

## DFS Test Report

**Report No.:** RF160621C27L-1

**FCC ID:** PY316200341

**Test Model:** RBR50

**Series Model:** RBS50, SRR60, SRS60 (refer to item 2.2 for more details)

**Received Date:** Jun. 20, 2016

**Test Date:** Feb. 17 ~ Feb. 24, 2017

**Issued Date:** Jun. 15, 2017

**Applicant:** NETGEAR, INC.

**Address:** 350 East Plumeria Drive, San Jose, CA 95134, USA

**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

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### Release Control Record

| Issue No.      | Description       | Date Issued   |
|----------------|-------------------|---------------|
| RF160621C27L-1 | Original release. | Jun. 15, 2017 |

## 1 Certificate of Conformity

**Product:** Orbi Router (refer to item 2.2 for more details)

**Brand:** NETGEAR

**Test Model:** RBR50

**Series Model:** RBS50, SRR60, SRS60 (refer to item 2.2 for more details)

**Sample Status:** Engineering sample

**Applicant:** NETGEAR, INC.

**Test Date:** Feb. 17 ~ Feb. 24, 2017

**Standards:** FCC Part 15, Subpart E (Section 15.407)

KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by :

  
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, Date: Jun. 15, 2017

Approved by :



Ken Liu / Senior Manager

, Date: Jun. 15, 2017

## 2 EUT Information

### 2.1 Operating Frequency Bands and Mode of EUT

Table 1: Operating Frequency Bands and Mode of EUT

Model: RBR50

| Operational Mode | Operating Frequency Range |              |
|------------------|---------------------------|--------------|
|                  | 5250~5350MHz              | 5470~5725MHz |
| Master           | ✓                         | ✓            |

Model: RBS50

| Operational Mode              | Operating Frequency Range |              |
|-------------------------------|---------------------------|--------------|
|                               | 5250~5350MHz              | 5470~5725MHz |
| Master                        | ✓                         | -            |
| Slave Without Radar Detection | -                         | ✓            |

### 2.2 EUT Software and Firmware Version

Table 2: The EUT Software/Firmware Version

| No. | Product        | Test Model No.           | Software/Firmware Version                                                         |
|-----|----------------|--------------------------|-----------------------------------------------------------------------------------|
| 1   | Orbi Router    | RBR50<br>(Refer to Note) | Firmware Version: V1.4.0.34-0112<br>WLAN software version:<br>QSDK SPF 2.0 CSU1.5 |
| 2   | Orbi Satellite | RBS50<br>(Refer to Note) | Firmware Version: V1.4.0.34-0112<br>WLAN software version:<br>QSDK SPF 2.0 CSU1.5 |

Note:

- All of the RF specifications (include antenna type and location) are identical and the difference between RBR50, RBS50 & SRR60, SRS60 is USB port.

| Brand   | Model        | Product Name   | RF module   | Difference                                                                            |
|---------|--------------|----------------|-------------|---------------------------------------------------------------------------------------|
| NETGEAR | RBR50, SRR60 | Orbi Router    | RF module 1 | software firmware: RBR50_V1.1.0.16Master mode only                                    |
|         |              |                | RF module 2 | The housings SRR60 is different with RBR50, and Beehive 3 has no USB port.            |
|         |              |                | BT Module   | The housings of SRR60 is different with RBS50, and SRR60 has no USB port.             |
|         | RBS50, SRS60 | Orbi Satellite | RF module 1 | software firmware: RBS50_V1.1.0.16Master mode and Client mode for 5.50 ~ 5.70GHz band |
|         |              |                | RF module 2 | The housings of SRS60 is different with RBR50, and SRS60 has no USB port.             |
|         |              |                | BT Module   | The housings of SRS60 is different with RBS50, and SRS60 has no USB port.             |

Note:

RF Module 1 support WLAN 2.4GHz band, 5.18 ~ 5.24GHz and 5.26 ~ 5.32GHz band functionally.  
RF Module 2 WLAN 5.50 ~ 5.70GHz and 5.745 ~ 5.825GHz band functionally.

- The module 2 card has type C, type D and different gaskets on the following modes. Mode C was the worst case for final test.

| Mode | Description                                                                                                    |
|------|----------------------------------------------------------------------------------------------------------------|
| A    | Type C on chain 1, 2, 3, and 4. Triangular gaskets on chain 1, 2, 3, and 4.                                    |
| B    | Type C on chain 1, 2, 3, and 4. Triangular gaskets on chain 1, 2, and 3. No gasket on chain 4.                 |
| C    | Type C on chain 1, 2, 3, and 4. Rectangular gaskets on chain 1, 2, 3, and 4.                                   |
| D    | Type C on chain 1, 2, 3, and 4. Rectangular gaskets on chain 1, 2, and 3. No gasket on chain 4.                |
| E    | Type C on chain 1, 2, and 3. Type D on chain 4. Triangular gaskets on chain 1, 2, and 3. No gasket on chain 4. |

3. The following filters are provided to this EUT.

| RF Module Brand / Model | Filter         | Position                     | Gasket                                       | Remark                                    |
|-------------------------|----------------|------------------------------|----------------------------------------------|-------------------------------------------|
| Module 1                | 1st (Filter 1) | TFL1 ,TFL2                   | With TFL1, TFL2 gasket                       | passive filter (pin to pin & Same design) |
|                         | 2nd (Filter 2) | TFL1 ,TFL2                   | Without TFL1, TFL2 gasket                    | passive filter (pin to pin & Same design) |
| Module 2                | 1st (Filter 3) | BHPF1 ,BHPF2<br>BHPF3 ,BHPF4 | With BHPF1, BHPF2,<br>BHPF3, BHPF4 gasket    | passive filter (pin to pin & Same design) |
|                         | 2nd (Filter 4) | BHPF1 ,BHPF2<br>BHPF3 ,BHPF4 | Without BHPF1, BHPF2,<br>BHPF3, BHPF4 gasket | passive filter (pin to pin & Same design) |

### 2.3 Description Of Available Antennas to The EUT

Table 3: Antenna List

| Antenna Type | Operation Frequency Range (MHz) | Directional Gain (dBi) |
|--------------|---------------------------------|------------------------|
| Dipole       | 5250~5350                       | 4.18                   |
| Dipole       | 5470~5725                       | 7.76                   |

## 2.4 EUT Maximum Conducted Power

Table 4: The Measured Conducted Output Power

### CDD Mode

#### 802.11a

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 23.24              | 210.708           |
| 5470~5725            | 23.11              | 204.701           |

#### 802.11ac VHT20

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 23.22              | 209.728           |
| 5470~5725            | 23.10              | 203.973           |

#### 802.11ac VHT40

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 23.21              | 209.442           |
| 5470~5725            | 23.14              | 206.128           |

#### 802.11ac VHT80

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 23.21              | 209.520           |
| 5470~5725            | 23.18              | 207.879           |

## Beamforming Mode

### 802.11ac VHT20

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 23.22              | 209.728           |
| 5470~5725            | 21.10              | 128.856           |

### 802.11ac VHT40

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 23.21              | 209.442           |
| 5470~5725            | 21.08              | 128.113           |

### 802.11ac VHT80

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 22.84              | 192.111           |
| 5470~5725            | 21.13              | 129.628           |



## 2.5 EUT Maximum E.I.R.P. Power

Table 5: The EIRP Output Power List

### CDD Mode

#### 802.11a

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 27.03              | 504.291           |
| 5470~5725            | 26.90              | 489.914           |

#### 802.11ac VHT20

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 27.01              | 501.945           |
| 5470~5725            | 26.89              | 488.172           |

#### 802.11ac VHT40

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 27.00              | 501.261           |
| 5470~5725            | 26.93              | 493.329           |

#### 802.11ac VHT80

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 27.00              | 501.448           |
| 5470~5725            | 26.97              | 497.520           |

## Beamforming Mode

### 802.11ac VHT20

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 27.40              | 549.541           |
| 5470~5725            | 28.86              | 769.130           |

### 802.11ac VHT40

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 27.39              | 548.277           |
| 5470~5725            | 28.84              | 765.597           |

### 802.11ac VHT80

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 27.02              | 503.501           |
| 5470~5725            | 28.89              | 774.462           |

## 2.6 Transmit Power Control (TPC)

U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

Maximum EIRP of this device is 774.462 mW which more than 500mW, therefore it's require TPC function.

The UUT can adjust a transmitter's output power based on the signal level present at the receiver. TPC is auto controlled by software

## 2.7 Statement of Manufacturer

Manufacturer statement confirming that information regarding the parameters of the detected Radar Waveforms is not available to the end user.

### 3 U-NII DFS Rule Requirements

#### 3.1 Working Modes and Required Test Items

The manufacturer shall state whether the EUT is capable of operating as a Master and/or a Client. If the EUT is capable of operating in more than one operating mode then each operating mode shall be tested separately. See tables 6 and 7 for the applicability of DFS requirements for each of the operational modes.

Table 6: Applicability of DFS Requirements Prior To Use a Channel

| Requirement                     | Operational Mode |                                |                             |
|---------------------------------|------------------|--------------------------------|-----------------------------|
|                                 | Master           | Client without radar detection | Client with radar detection |
| Non-Occupancy Period            | ✓                | ✓ note                         | ✓                           |
| DFS Detection Threshold         | ✓                | Not required                   | ✓                           |
| Channel Availability Check Time | ✓                | Not required                   | Not required                |
| U-NII Detection Bandwidth       | ✓                | Not required                   | ✓                           |

Note: Regarding KDB 905462 D03 Client Without DFS New Rules v01r01 section (b)(5/6),  
If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear. An analyzer plot that contains a single 30-minute sweep on the original channel.

Table 7: Applicability of DFS Requirements During Normal Operation.

| Requirement                       | Operational Mode                      |                                |
|-----------------------------------|---------------------------------------|--------------------------------|
|                                   | Master or Client with radar detection | Client without radar detection |
| DFS Detection Threshold           | ✓                                     | Not required                   |
| Channel Closing Transmission Time | ✓                                     | ✓                              |
| Channel Move Time                 | ✓                                     | ✓                              |
| U-NII Detection Bandwidth         | ✓                                     | Not required                   |

| Additional requirements for devices with multiple bandwidth modes | Master or Client with radar detection | Client without radar detection                       |
|-------------------------------------------------------------------|---------------------------------------|------------------------------------------------------|
| U-NII Detection Bandwidth and Statistical Performance Check       | All BW modes must be tested           | Not required                                         |
| Channel Move Time and Channel Closing Transmission Time           | Test using widest BW mode available   | Test using the widest BW mode available for the link |
| All other tests                                                   | Any single BW mode                    | Not required                                         |

Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

### 3.2 Test Limits and Radar Signal Parameters

#### Detection Threshold Values

Table 8: DFS Detection Thresholds For Master Devices And Client Devices With Radar Detection

| Maximum Transmit Power                                                          | Value<br>(See Notes 1, 2, and 3) |
|---------------------------------------------------------------------------------|----------------------------------|
| EIRP $\geq$ 200 milliwatt                                                       | -64 dBm                          |
| EIRP < 200 milliwatt and<br>power spectral density < 10 dBm/MHz                 | -62 dBm                          |
| EIRP < 200 milliwatt that do not meet the<br>power spectral density requirement | -64 dBm                          |

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.

Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

Table 9: DFS Response Requirement Values

| Parameter                         | Value                                                                                                        |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------|
| Non-occupancy period              | Minimum 30 minutes                                                                                           |
| Channel Availability Check Time   | 60 seconds                                                                                                   |
| Channel Move Time                 | 10 seconds<br>See Note 1.                                                                                    |
| Channel Closing Transmission Time | 200 milliseconds + an aggregate of 60<br>milliseconds over remaining 10 second period.<br>See Notes 1 and 2. |
| U-NII Detection Bandwidth         | Minimum 100% of the U-NII 99% transmission power<br>bandwidth. See Note 3                                    |

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

## Parameters of DFS Test Signals

Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 10: Short Pulse Radar Test Waveforms

| Radar Type                                                                                                                           | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                                         | Minimum Percentage of Successful Detection | Minimum Number of Trials |
|--------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------|
| 0                                                                                                                                    | 1                  | 1428                                                                                                                                                          | 18                                                                                                                       | See Note 1                                 | See Note 1               |
| 1                                                                                                                                    | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | Roundup $\left\{ \frac{1}{360} \cdot \left\lceil \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right\rceil \right\}$ | 60%                                        | 30                       |
|                                                                                                                                      |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A |                                                                                                                          |                                            |                          |
| 2                                                                                                                                    | 1-5                | 150-230                                                                                                                                                       | 23-29                                                                                                                    | 60%                                        | 30                       |
| 3                                                                                                                                    | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                                                    | 60%                                        | 30                       |
| 4                                                                                                                                    | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                                                    | 60%                                        | 30                       |
| Aggregate (Radar Types 1-4)                                                                                                          |                    |                                                                                                                                                               |                                                                                                                          | 80%                                        | 120                      |
| Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests. |                    |                                                                                                                                                               |                                                                                                                          |                                            |                          |

**Table 11: Long Pulse Radar Test Waveform**

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number Of Pulses Per Burst | Number Of Bursts | Minimum Percentage Of Successful Detection | Minimum Number Of Trials |
|------------|--------------------|-------------------|------------|----------------------------|------------------|--------------------------------------------|--------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 80%                                        | 30                       |

Three subsets of trials will be performed with a minimum of ten trials per subset. The subset of trials differ in where the Long Pulse Type 5 Signal is tuned in frequency.

- a) the Channel center frequency
- b) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the low edge of the UUT Occupied Bandwidth
- c) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the high edge of the UUT Occupied Bandwidth

It include 10 trails for every subset, the formula as below,

For subset case 1: the center frequency of the signal generator will remain fixed at the center of the UUT Channel.

For subset case 2: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 2. The center frequency of the signal generator for each trial is calculated by:

$$FL + (0.4 * \text{Chirp Width [in MHz]})$$

For subset case 3: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 3. The center frequency of the signal generator for each trial is calculated by:

$$FH - (0.4 * \text{Chirp Width [in MHz]})$$

**Table 12: Frequency Hopping Radar Test Waveform**

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Minimum Percentage Of Successful Detection | Minimum Number Of Trials |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|--------------------------------------------|--------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 70%                                        | 30                       |

#### 4. Test & Support Equipment List

##### 4.1 Test Instruments

Table 13: Test Instruments List

| Description & Manufacturer | Model No. | Brand   | Date Of Calibration | Due Date Of Calibration |
|----------------------------|-----------|---------|---------------------|-------------------------|
| R&S Spectrum analyzer      | ESR       | R&S     | 2017/02/20          | 2018/02/19              |
| Signal generator           | 8645A     | Agilent | 2016/08/08          | 2017/08/07              |

##### 4.2 Description of Support Units

###### Support Unit information.

| No. | Product                      | Brand   | Model No. | ID         |
|-----|------------------------------|---------|-----------|------------|
| 1   | Wireless-AC Mini USB Adapter | LINKSYS | AE6000    | Q87-AE6000 |

Note: This device was functioned as a ☐ Master ☒ Slave device during the DFS test.

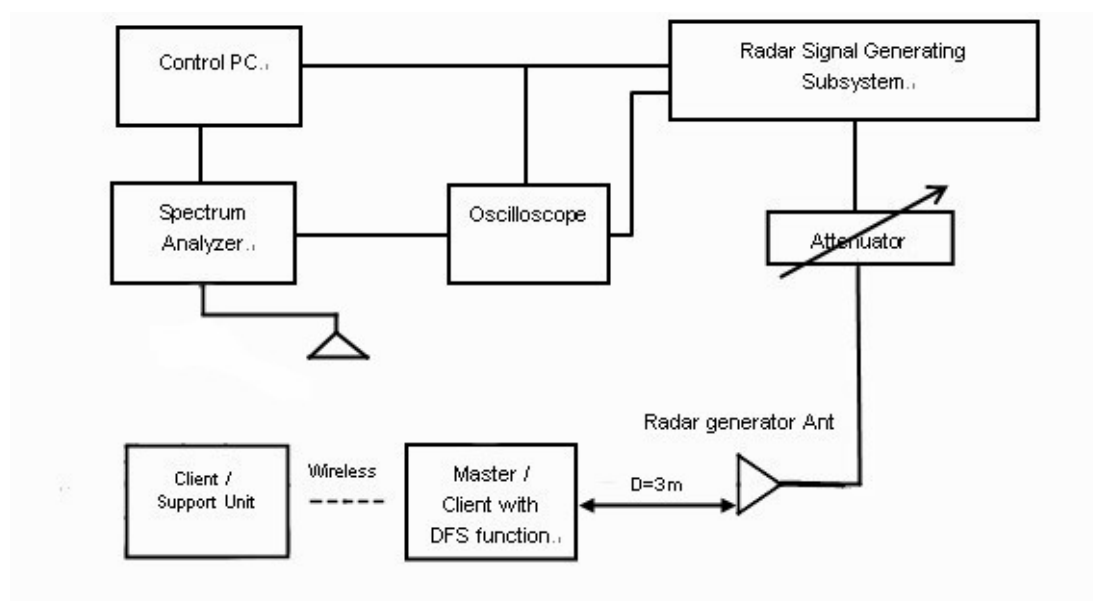


## 5. Test Procedure

### 5.1 ADT DFS Measurement System

A complete ADT DFS Measurement System consists of two subsystems: (1) the Radar Signal Generating Subsystem and (2) the Traffic Monitoring Subsystem. The control PC is necessary for generating the Radar waveforms in Table 10, 11 and 12. The traffic monitoring subsystem is specified to the type of Equipment under test (EUT).

#### Radiated Setup Configuration of ADT DFS Measurement System



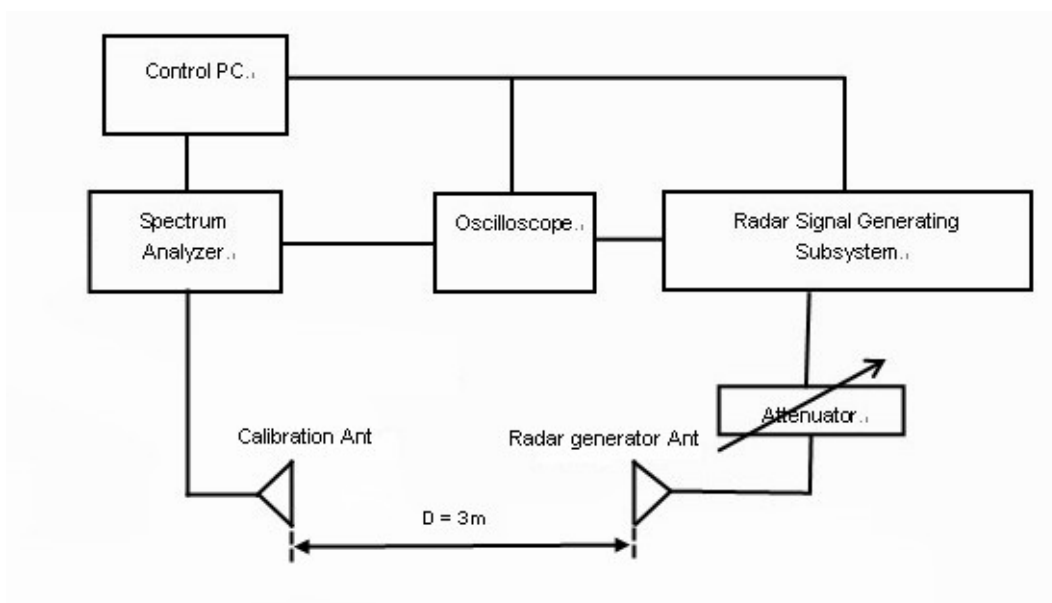
System testing will be performed with channel-loading using means appropriate to the data types that are used by the unlicensed device. The following requirements apply:

|   |                                                                                                                                                                            |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | a) The data file must be of a type that is typical for the device (i.e., MPEG-2, MPEG-4, WAV, MP3, MP4, AVI, etc.) and must generally be transmitting in a streaming mode. |
|   | b) Software to ping the client is permitted to simulate data transfer but must have random ping intervals.                                                                 |
| V | c) Timing plots are required with calculations demonstrating a minimum channel loading of approximately 17% or greater.                                                    |
|   | d) Unicast or Multicast protocols are preferable but other protocols may be used. The appropriate protocol used must be described in the test procedures.                  |

## 5.2 Calibration of DFS Detection Threshold Level

The measured channel is 5300MHz, 5310MHz and 5290MHz. The radar signal was the same as transmitted channels, and injected into the antenna of AP (master) or Client Device with Radar Detection, measured the channel closing transmission time and channel move time. The calibrated detection threshold level is set to -64dBm. The tested level is lower than required level hence it provides margin to the limit.

### Radiated setup configuration of Calibration of DFS Detection Threshold Level

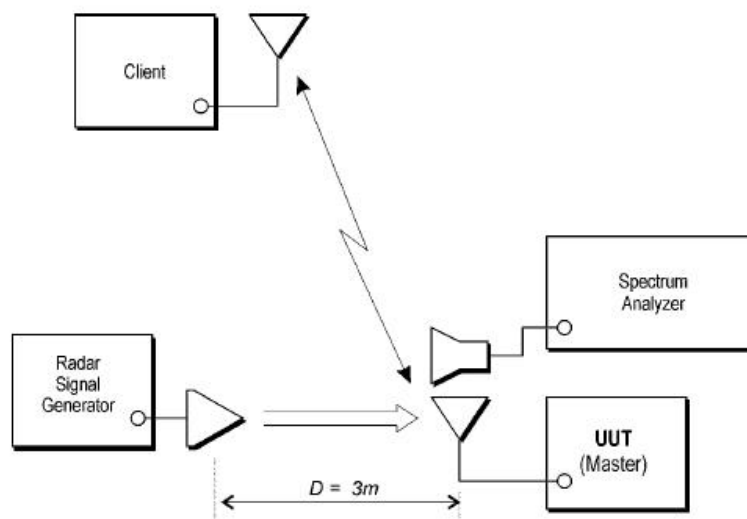


## 5.3 Deviation From Test Standard

No deviation.

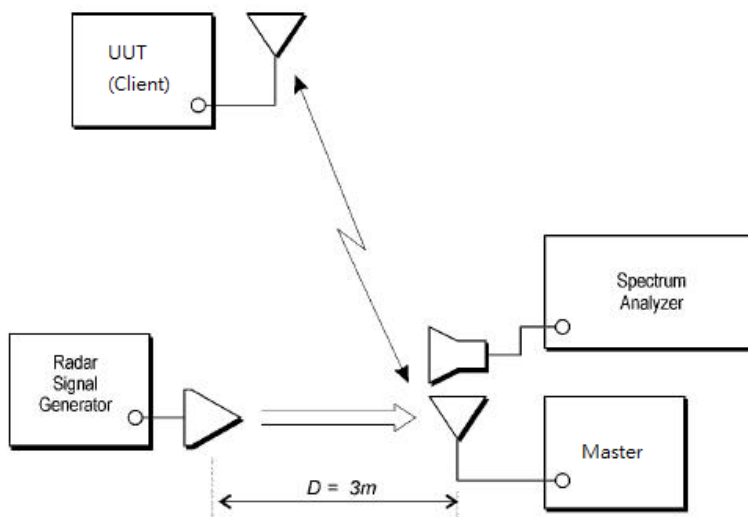
## 5.4 Radiated Test Setup Configuration

### 5.4.1 Master Mode



The EUT is a U-NII Device operating in Master mode. The radar test signals are injected into the Master Device.

### 5.4.2 Client mode



The EUT is a U-NII Device operating in Client mode without radar detection. The radar test signals are injected into the Master Device.

## 6. Test Results

### 6.1 Summary of Test Results

#### Master Mode

| Clause | Test Parameter                    | Remarks    | Pass/Fail |
|--------|-----------------------------------|------------|-----------|
| 15.407 | DFS Detection Threshold           | Applicable | Pass      |
| 15.407 | U-NII Detection Bandwidth         | Applicable | Pass      |
| 15.407 | Channel Availability Check Time   | Applicable | Pass      |
| 15.407 | Channel Move Time                 | Applicable | Pass      |
| 15.407 | Channel Closing Transmission Time | Applicable | Pass      |
| 15.407 | Non- Occupancy Period             | Applicable | Pass      |
| 15.407 | Uniform Spreading                 | Applicable | Pass      |

#### Slave without radar detection mode Master mode

| Clause | Test Parameter                    | Remarks        | Pass/Fail |
|--------|-----------------------------------|----------------|-----------|
| 15.407 | DFS Detection Threshold           | Not Applicable | NA        |
| 15.407 | Channel Availability Check Time   | Not Applicable | NA        |
| 15.407 | Channel Move Time                 | Applicable     | Pass      |
| 15.407 | Channel Closing Transmission Time | Applicable     | Pass      |
| 15.407 | Non- Occupancy Period             | Applicable     | Pass      |
| 15.407 | Uniform Spreading                 | Not Applicable | NA        |
| 15.407 | U-NII Detection Bandwidth         | Not Applicable | NA        |
| 15.407 | Non-associated test               | Applicable     | Pass      |
| 15.407 | Non-Co-Channel test               | Applicable     | Pass      |

## 6.2 Test Results

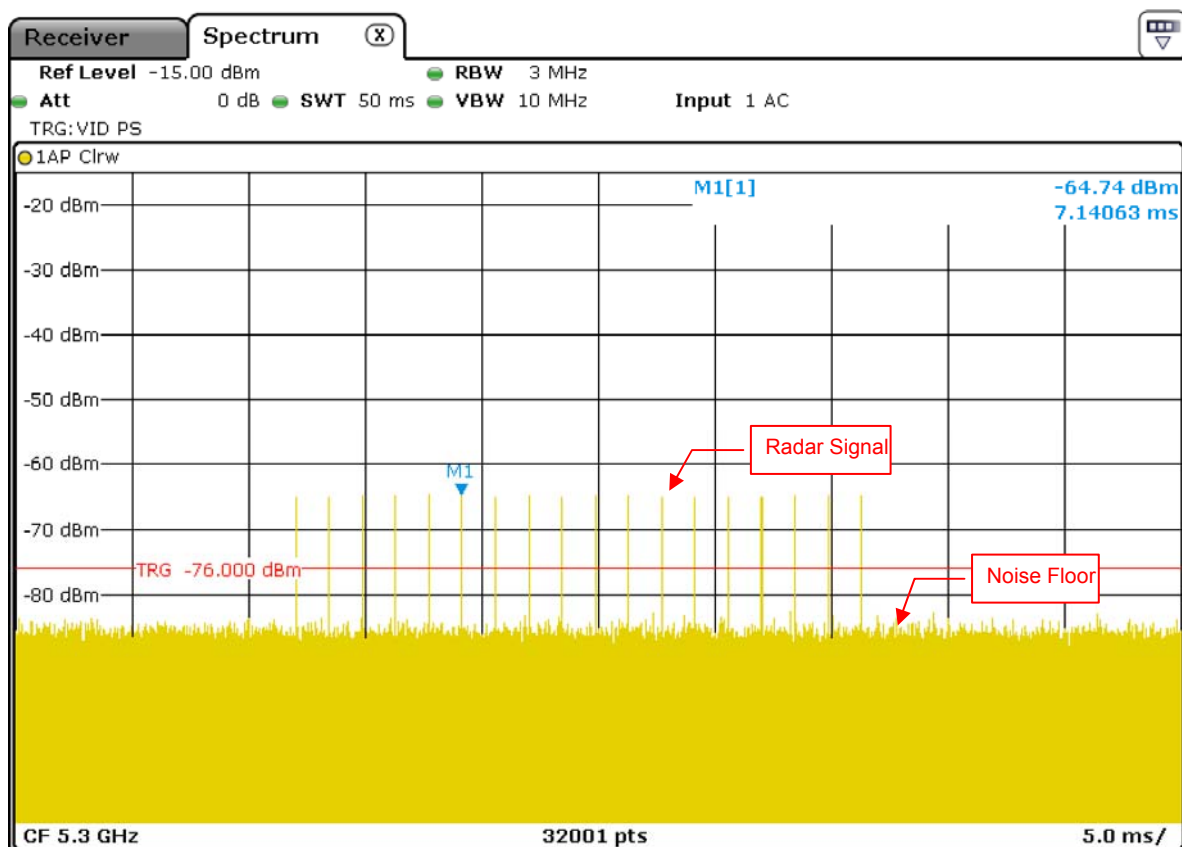
### 6.2.1 Test Mode

Master with injection at the Master. (Radar Test Waveforms are injected into the Master.)

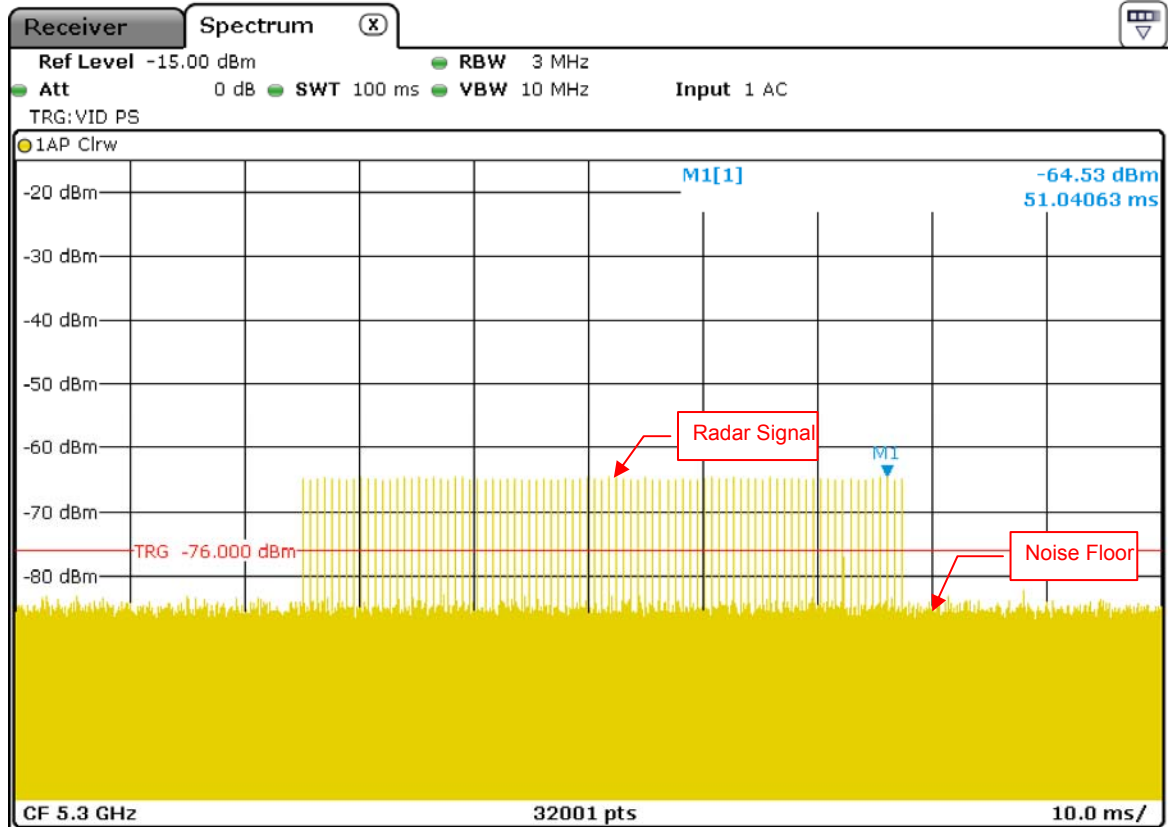
For 5250~5350MHz

#### DFS Detection Threshold

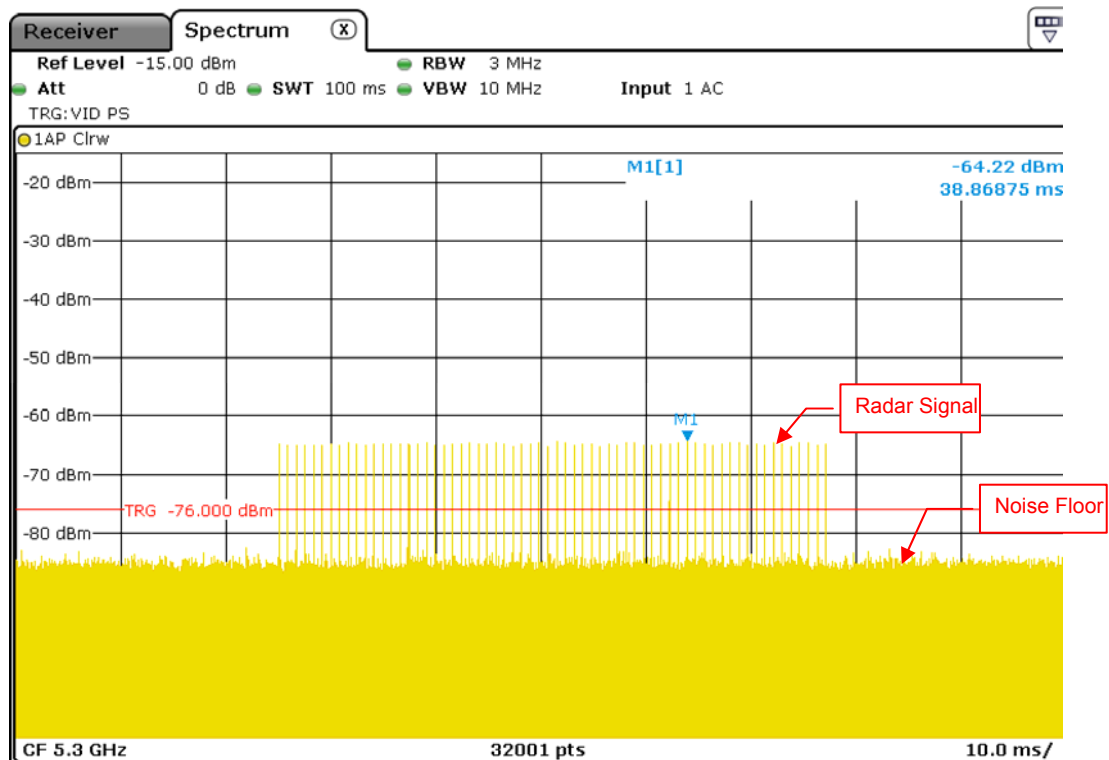
For a detection threshold level of -64dBm, the required signal strength at EUT antenna location is -64 dBm. The tested level is lower than required level hence it provides margin to the limit.



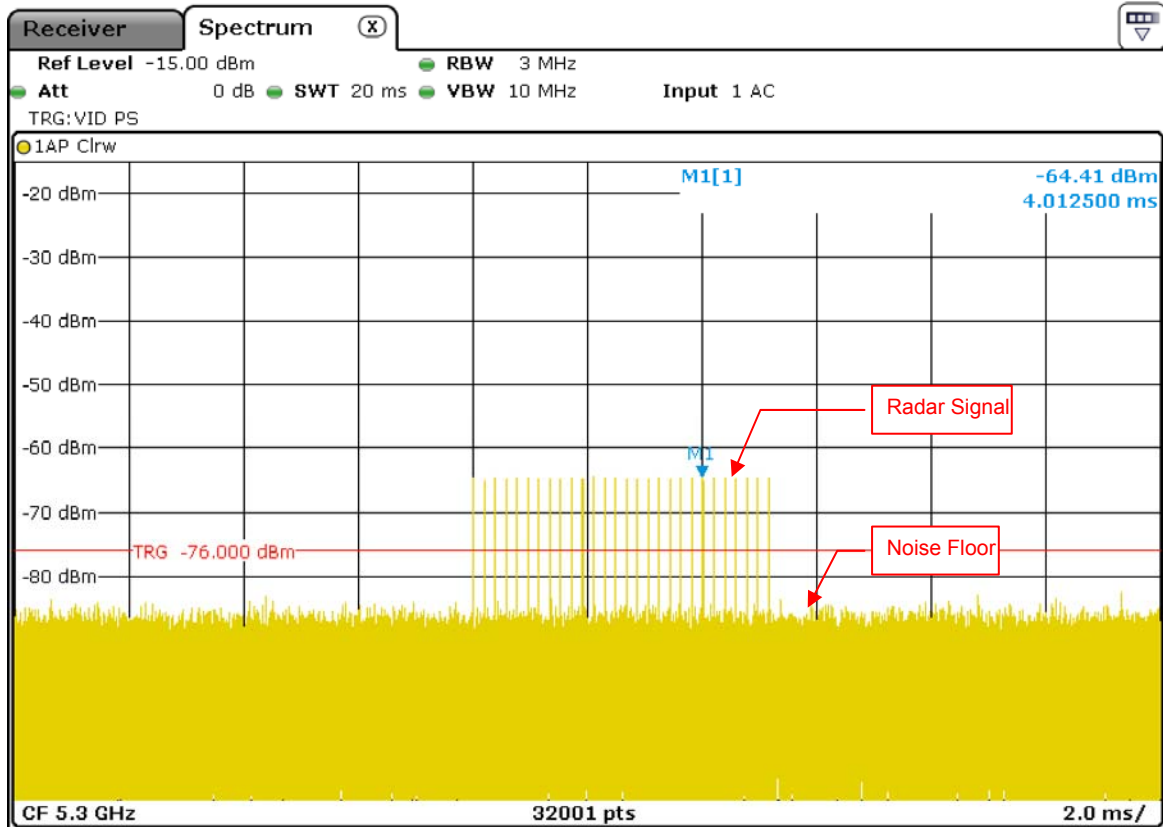
Radar Signal 0



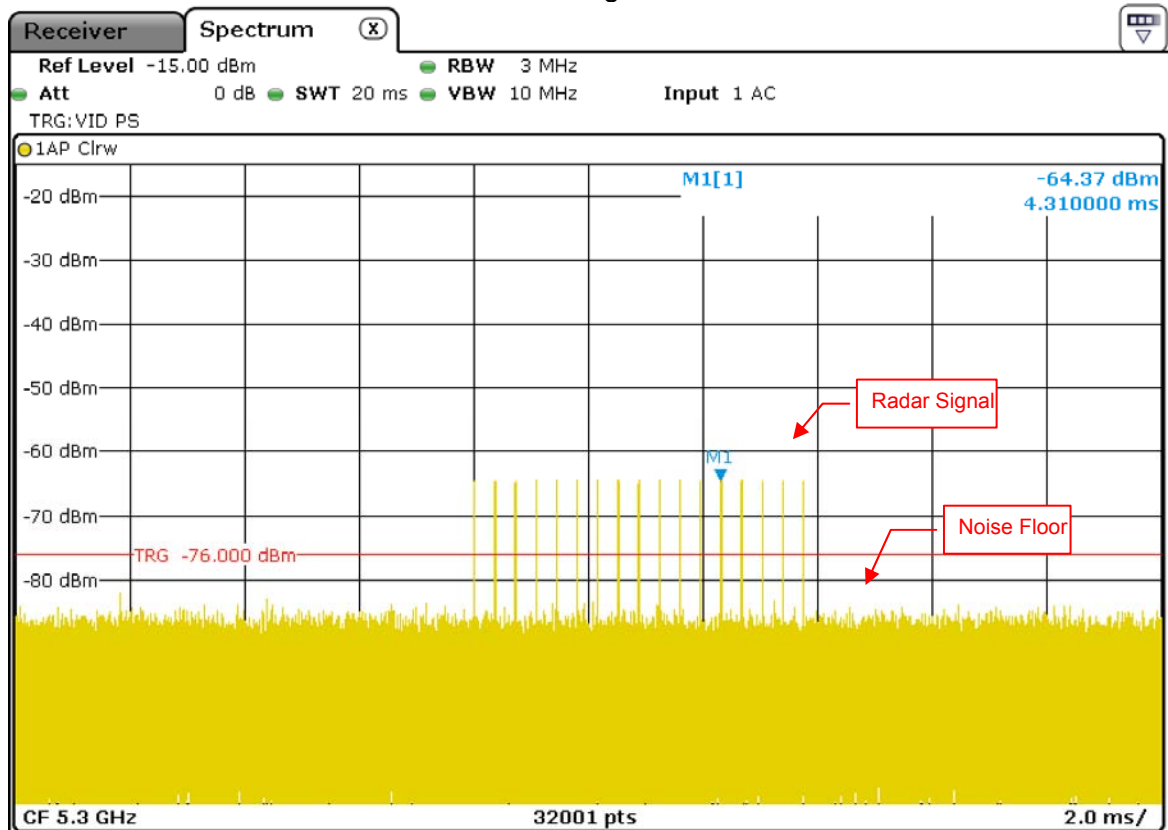
Radar Signal 1 (Test A)



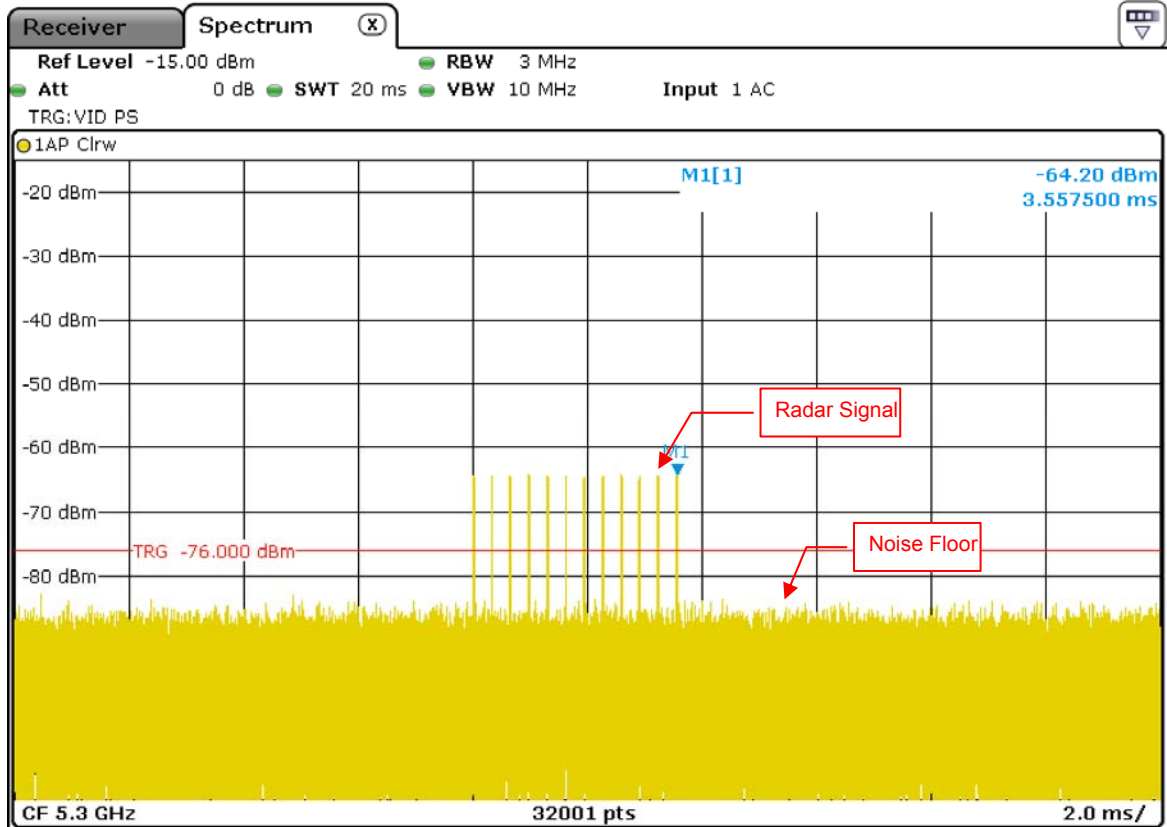
Radar Signal 1 (Test B)



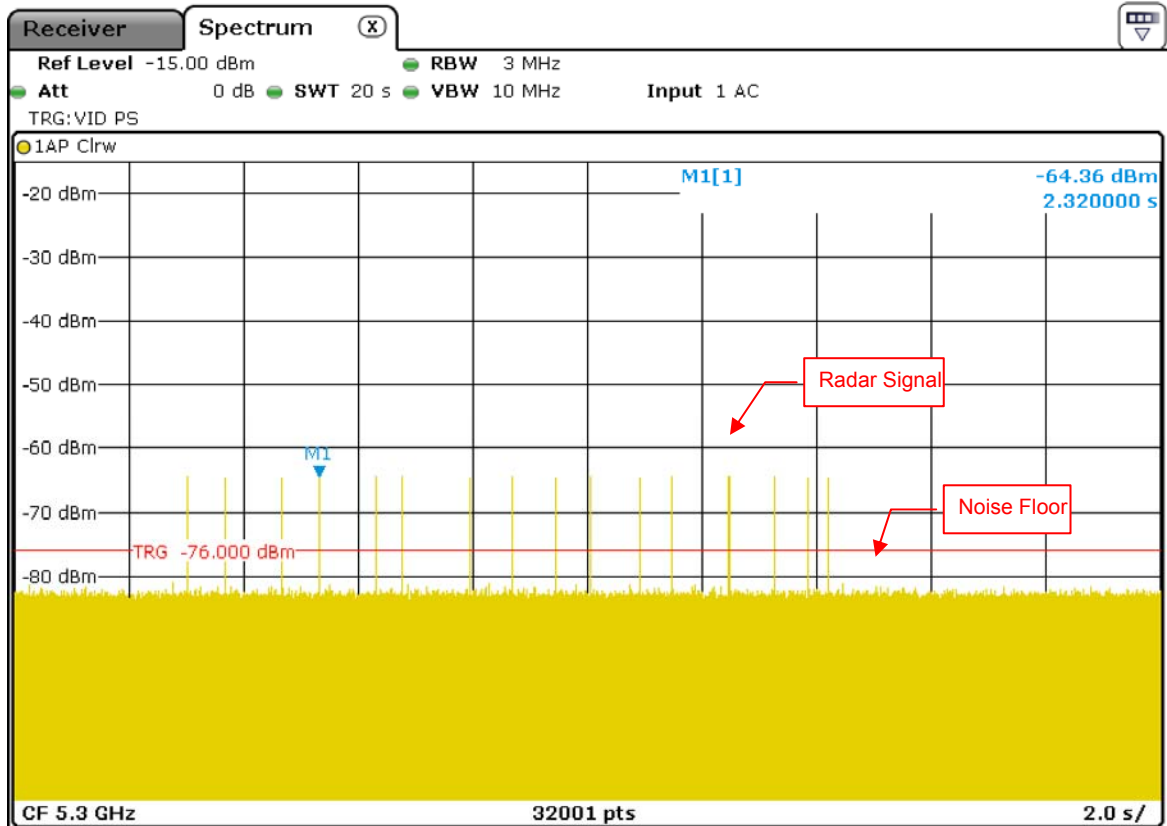
Radar Signal 2



Radar Signal 3

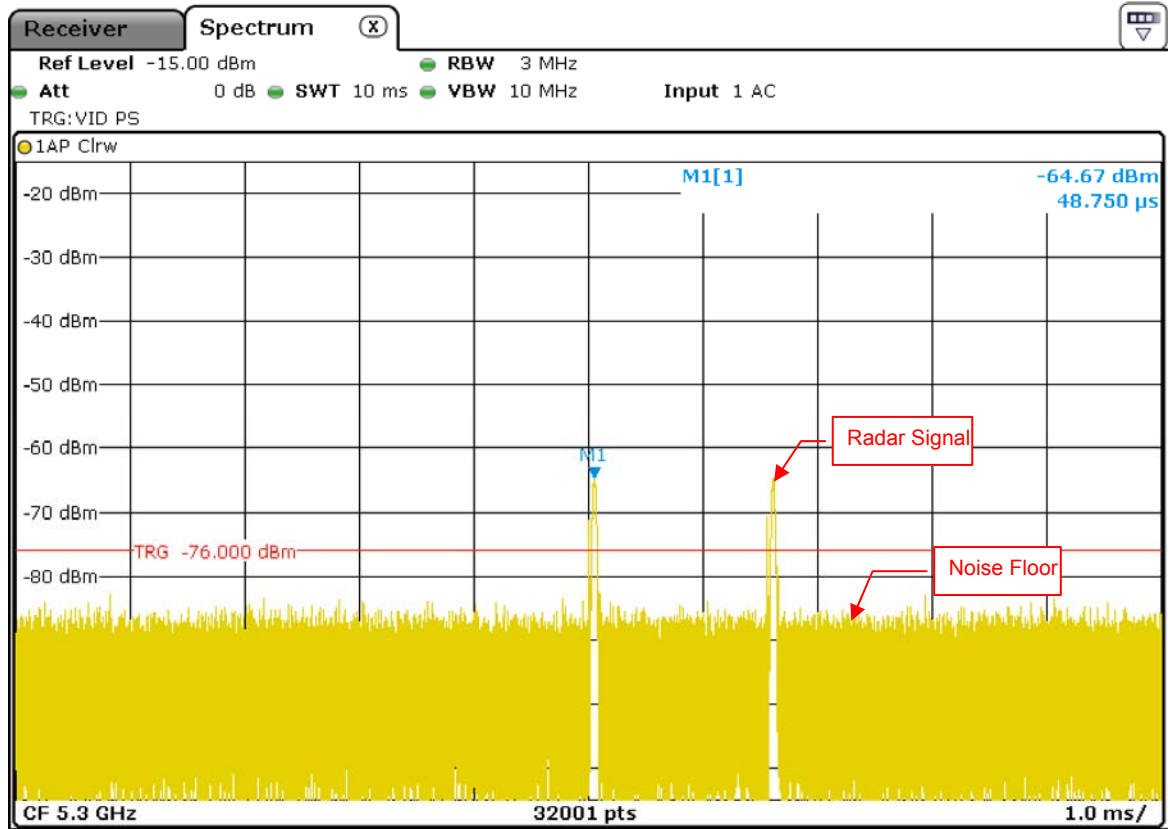


Radar Signal 4

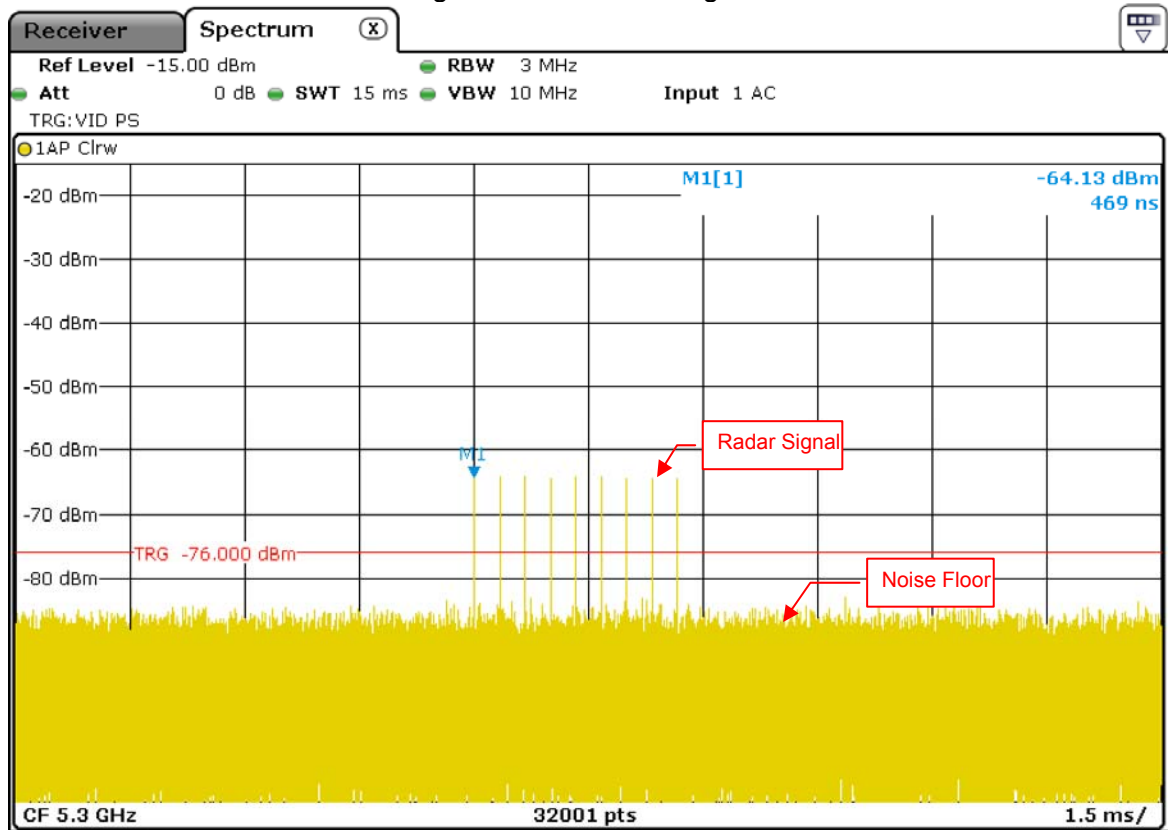


Radar Signal 5





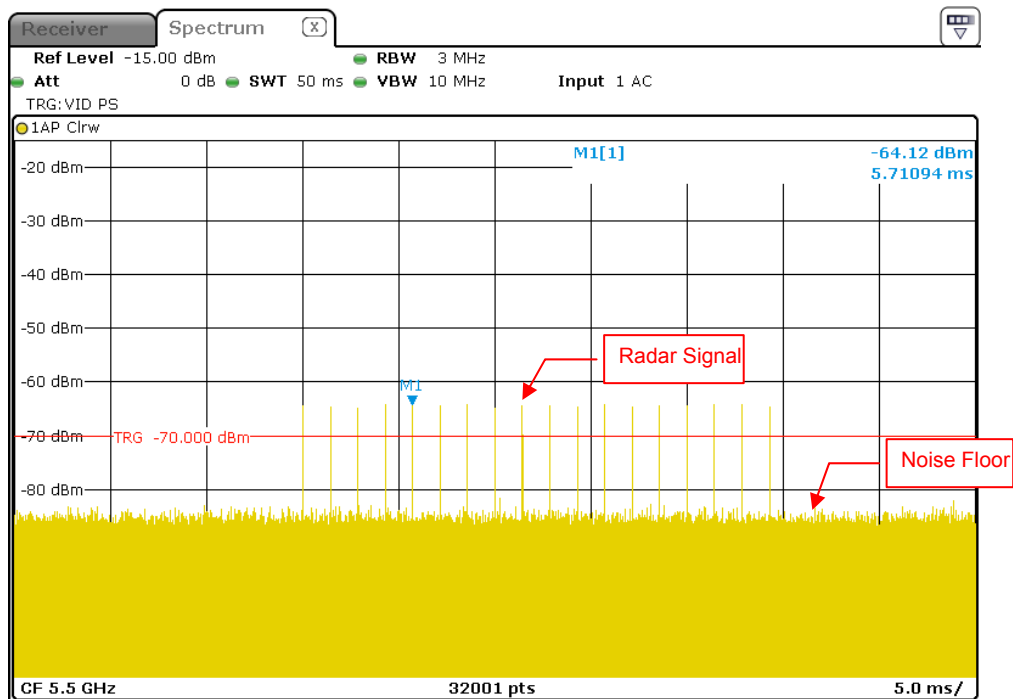
Single Burst of Radar Signal 5



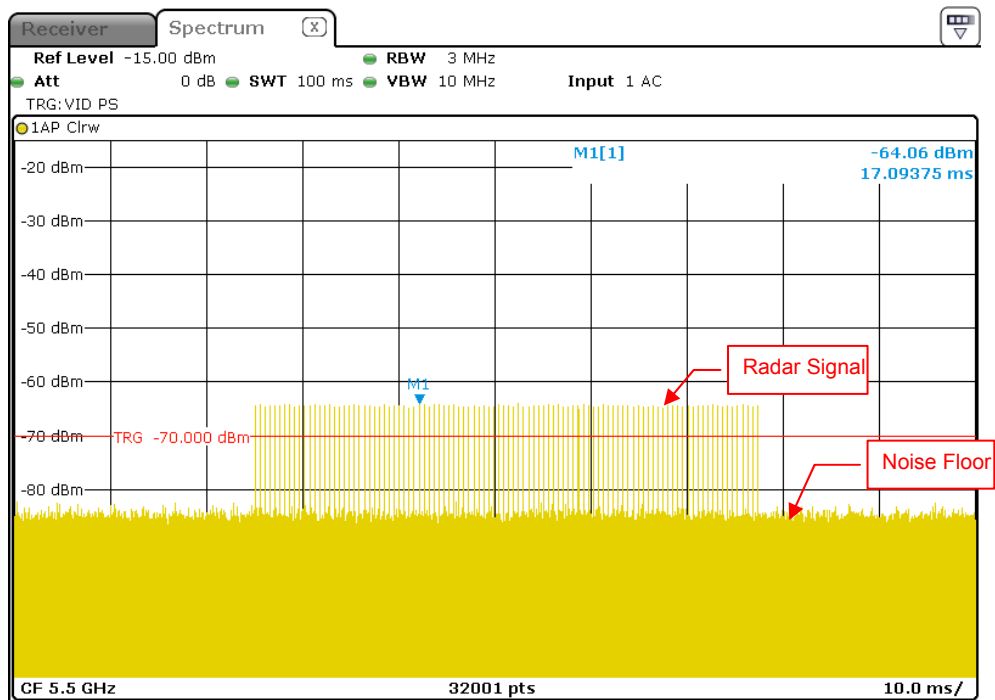
Radar Signal 6

For 5470~5725MHz  
DFS Detection Threshold

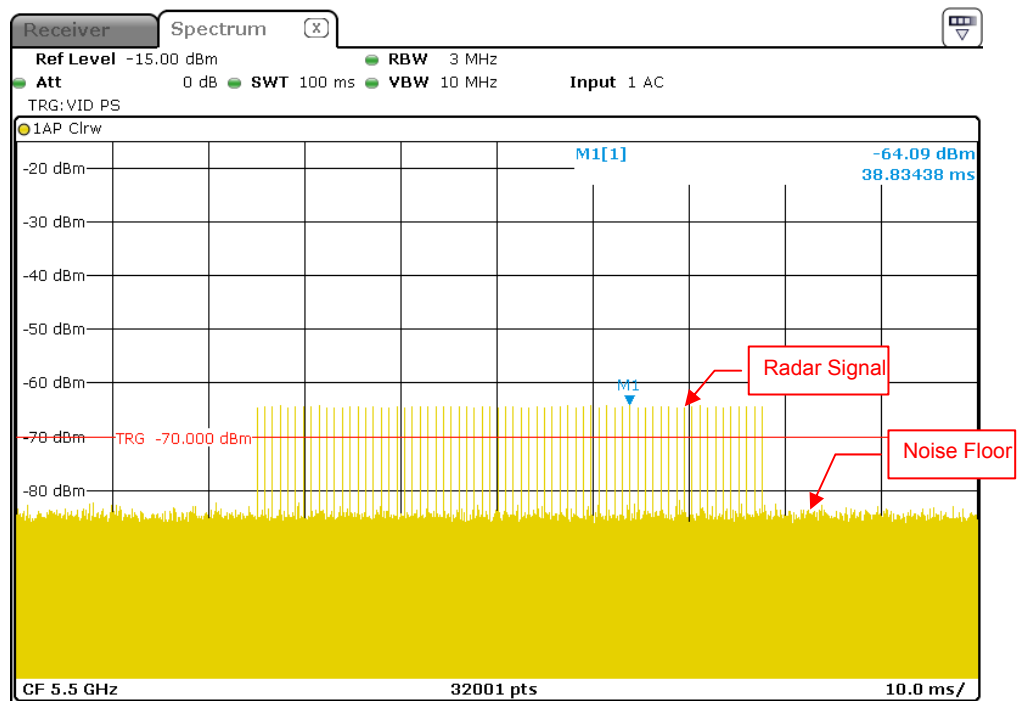
For a detection threshold level of -64dBm, the required signal strength at EUT antenna location is -64dBm. The tested level is lower than required level hence it provides margin to the limit.



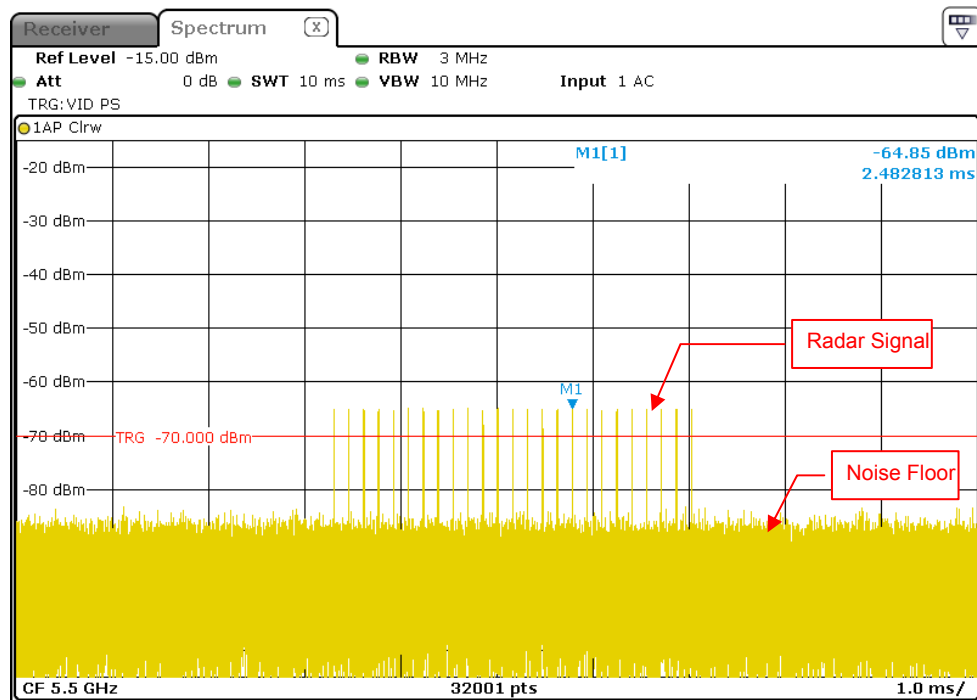
Radar Signal 0



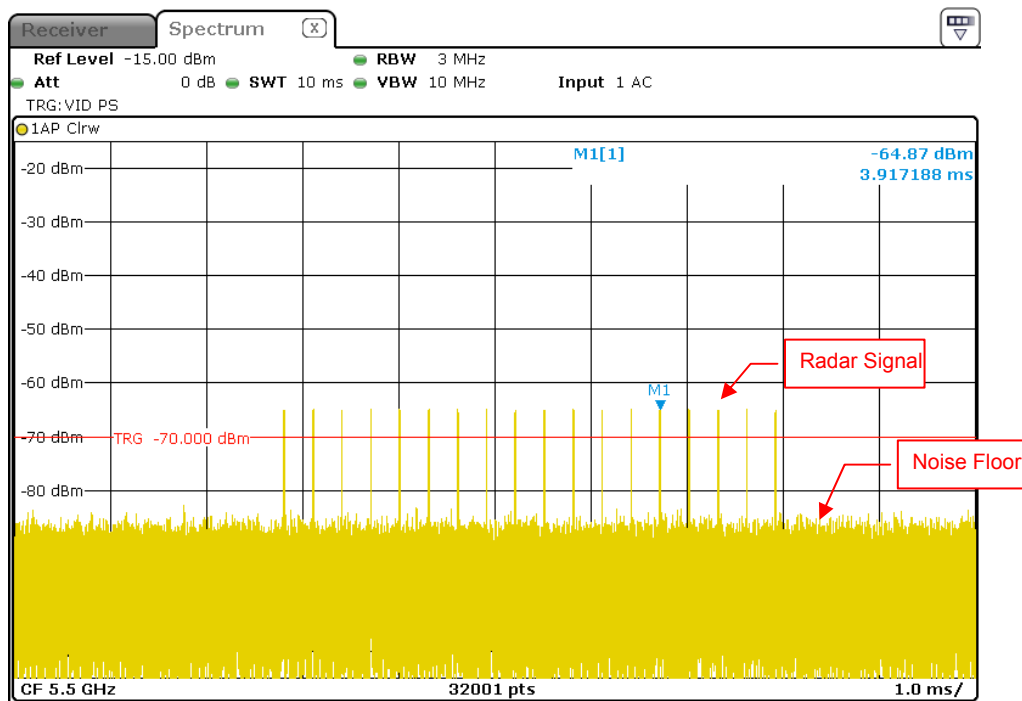
Radar Signal 1 (Test A)



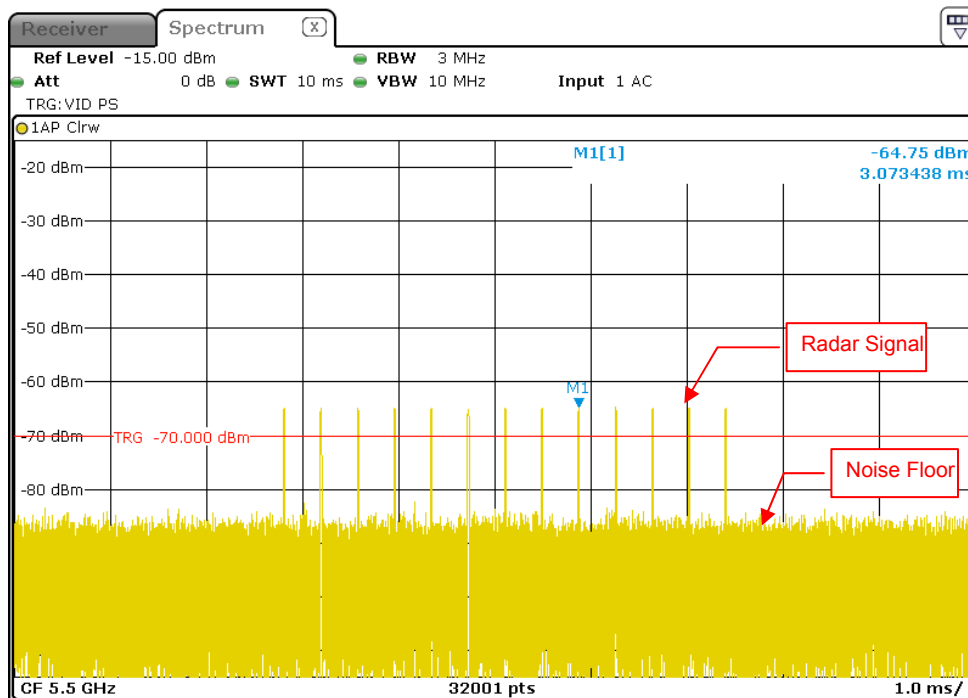
Radar Signal 1 (Test B)



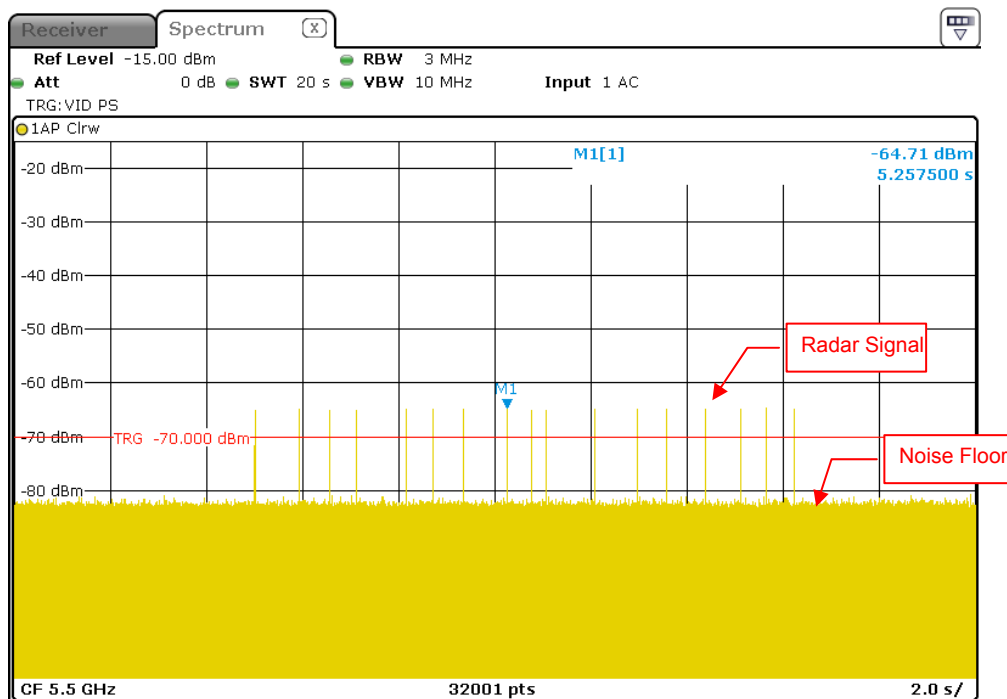
Radar Signal 2



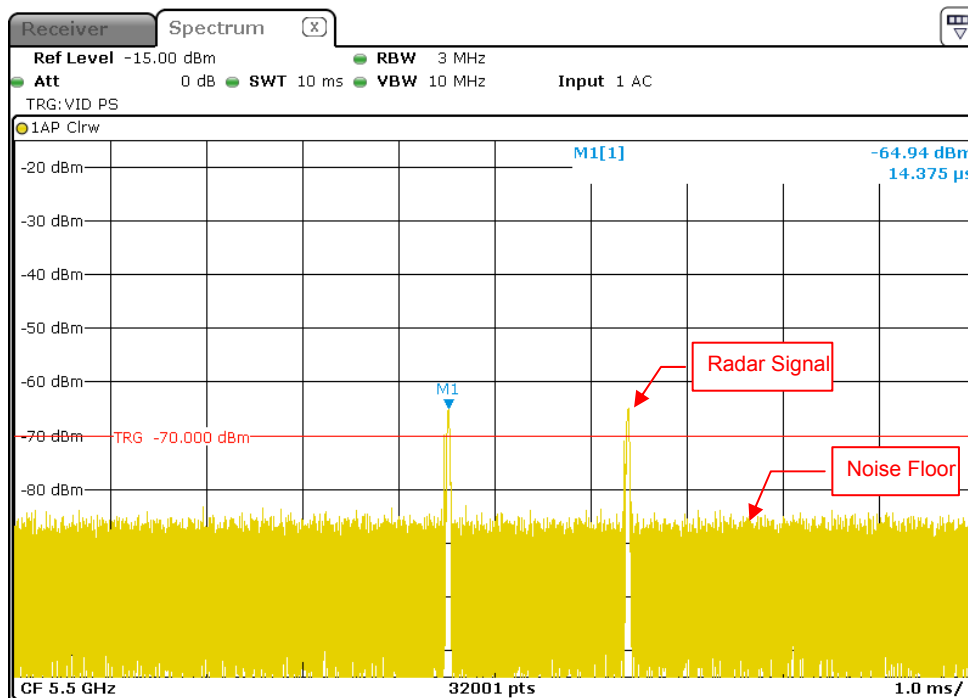
Radar Signal 3



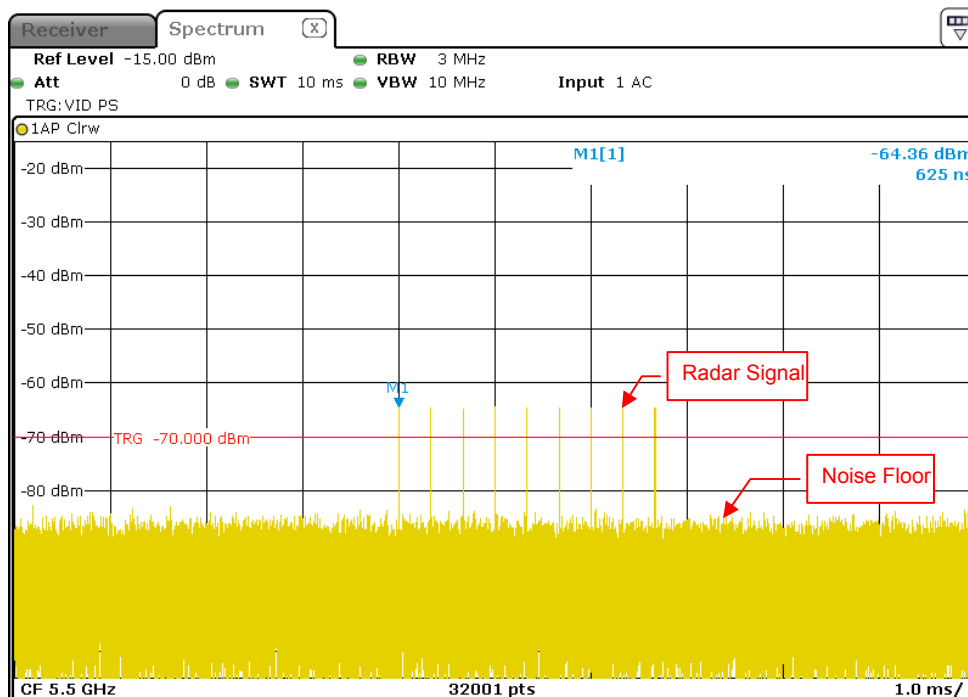
Radar Signal 4



Radar Signal 5



Single Burst of Radar Signal 5



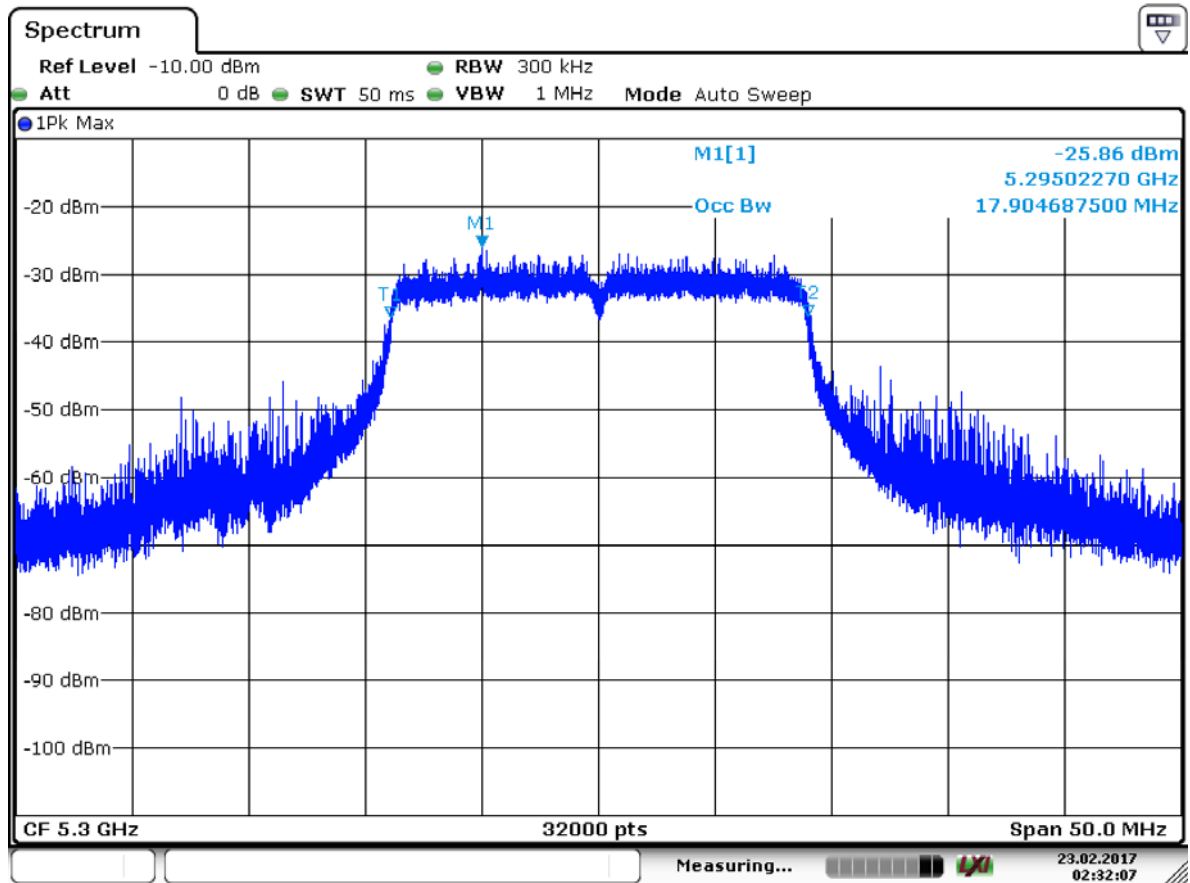
Radar Signal 6

## 6.2.2 U-NII Detection Bandwidth

For 5250~5350MHz

Model: RBR50

IEEE 802.11ac VHT20

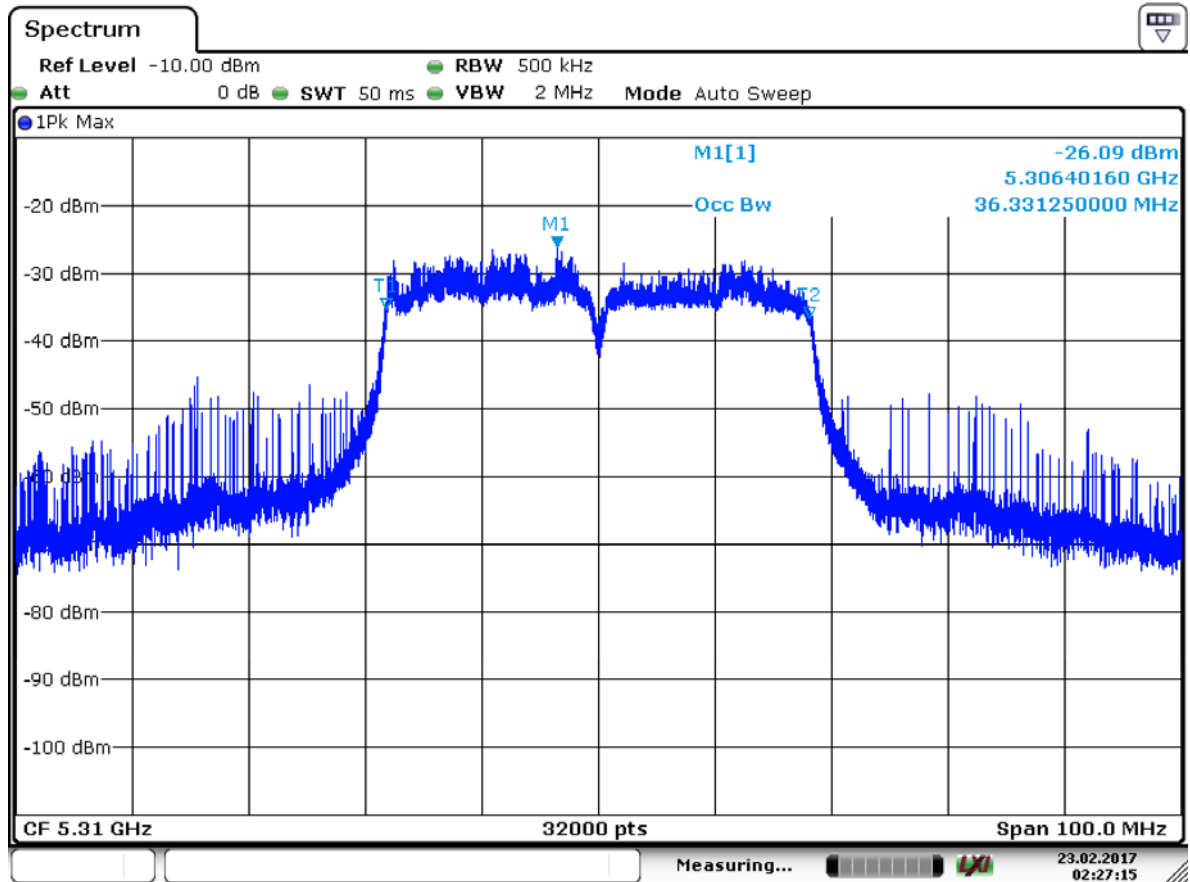


WWP501B30

Date: 23.FEB.2017 02:32:08

U-NII 99% Channel bandwidth

# IEEE 802.11ac VHT40



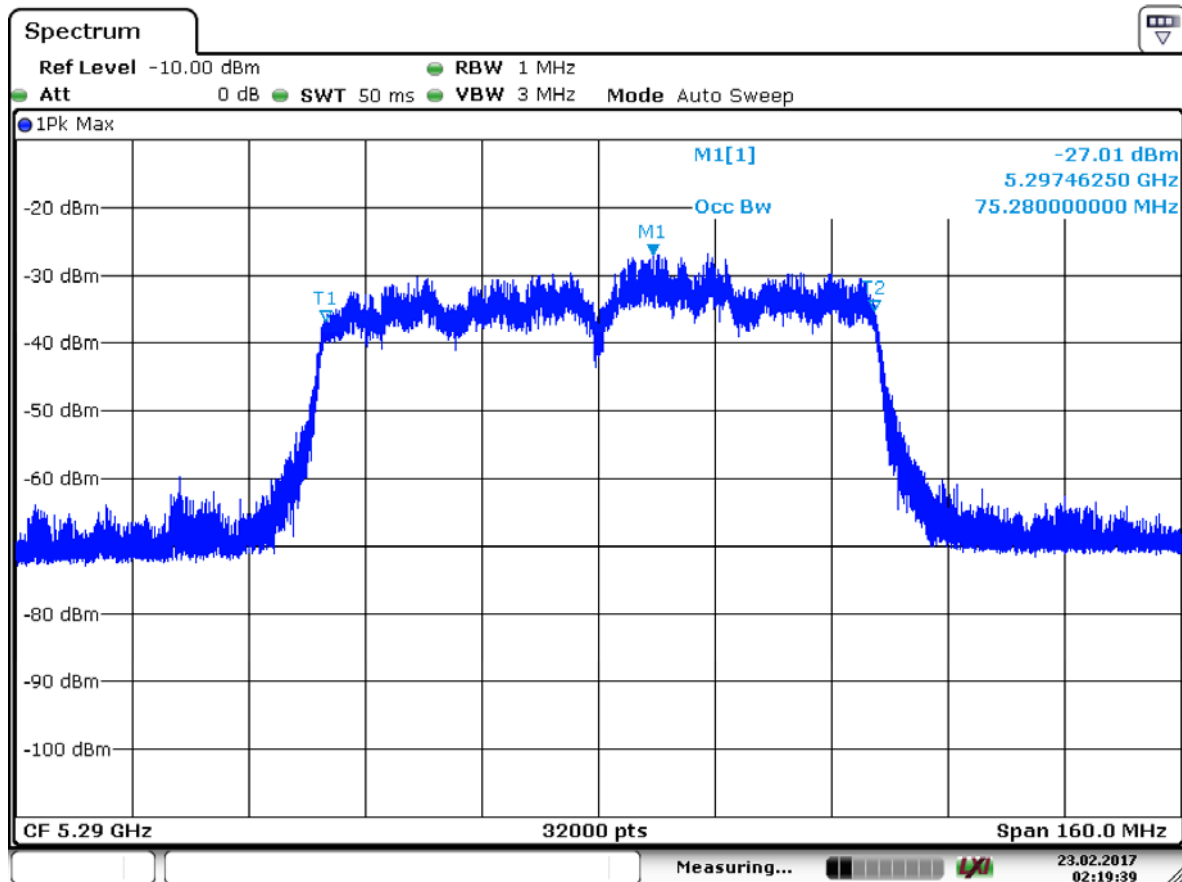
WWP501B30

Date: 23.FEB.2017 02:27:15

U-NII 99% Channel bandwidth



# IEEE 802.11ac VHT80



WWP501B30

Date: 23.FEB.2017 02:19:39

U-NII 99% Channel bandwidth

Detection Bandwidth Test - IEEE 802.11ac (VHT20)

Radar Type 0

EUT Frequency: 5300MHz

EUT 99% Power bandwidth: 17.9MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 17.9MHz

Detection bandwidth (5310(FH) – 5290(FL)) : 20MHz

Test Result : PASS

| Radar<br>Frequency<br>(MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection<br>Rate (%) |
|-----------------------------|--------------------------|---|---|---|---|---|---|---|---|----|-----------------------|
|                             | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                       |
| 5289                        | N                        | N | N | N | N | N | N | N | N | N  | 0                     |
| 5290(FL)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5291                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5292                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5293                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5294                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5295                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5296                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5297                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5298                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5299                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5300                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5301                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5302                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5303                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5304                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5305                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5306                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5307                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5308                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5309                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5310(FH)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5311                        | N                        | N | N | N | N | N | N | N | N | N  | 0                     |

# Detection Bandwidth Test - IEEE 802.11ac (VHT40)

Radar Type 0

EUT Frequency: 5310MHz

EUT 99% Power bandwidth: 36.33MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 36.33MHz

Detection bandwidth (5330(FH) – 5290(FL)) : 40MHz

Test Result : PASS

| Radar<br>Frequency<br>(MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection<br>Rate (%) |
|-----------------------------|--------------------------|---|---|---|---|---|---|---|---|----|-----------------------|
|                             | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                       |
| 5289                        | N                        | N | N | N | N | N | N | N | N | N  | 0                     |
| 5290(FL)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5291                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5292                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5293                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5294                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5295                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5296                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5297                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5298                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5299                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5300                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5301                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5302                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5303                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5304                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5305                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5306                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5307                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5308                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5309                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5310                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5311                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5312                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5313                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5314                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5315                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5316                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5317                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5318                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5319                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5320                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5321                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5322                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5323                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5324                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5325                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5326                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5327                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5328                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5329                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5330(FH)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5331                        | N                        | N | N | N | N | N | N | N | N | N  | 0                     |

# Detection Bandwidth Test - IEEE 802.11ac (VHT80)

Radar Type 0

EUT Frequency: 5290MHz

EUT 99% Power bandwidth: 75.28MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 75.28MHz

Detection bandwidth (5330(FH) – 5250(FL)) : 80MHz

Test Result : PASS

| Radar Frequency (MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection Rate (%) |
|-----------------------|--------------------------|---|---|---|---|---|---|---|---|----|--------------------|
|                       | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5249                  | N                        | N | N | N | N | N | N | N | N | N  | 0                  |
| 5250(FL)              | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5251                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5252                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5253                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5254                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5255                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5256                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5257                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5258                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5259                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5260                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5261                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5262                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5263                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5264                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5265                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5266                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5267                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5268                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5269                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5270                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5271                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5272                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5273                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5274                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5275                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5276                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5277                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5278                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5279                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5280                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5281                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5282                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5283                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5284                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5285                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5286                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5287                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5288                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5289                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5290                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |

# Detection Bandwidth Test - IEEE 802.11ac (VHT80)

Radar Type 0

EUT Frequency: 5290MHz

EUT 99% Power bandwidth: 75.28MHz

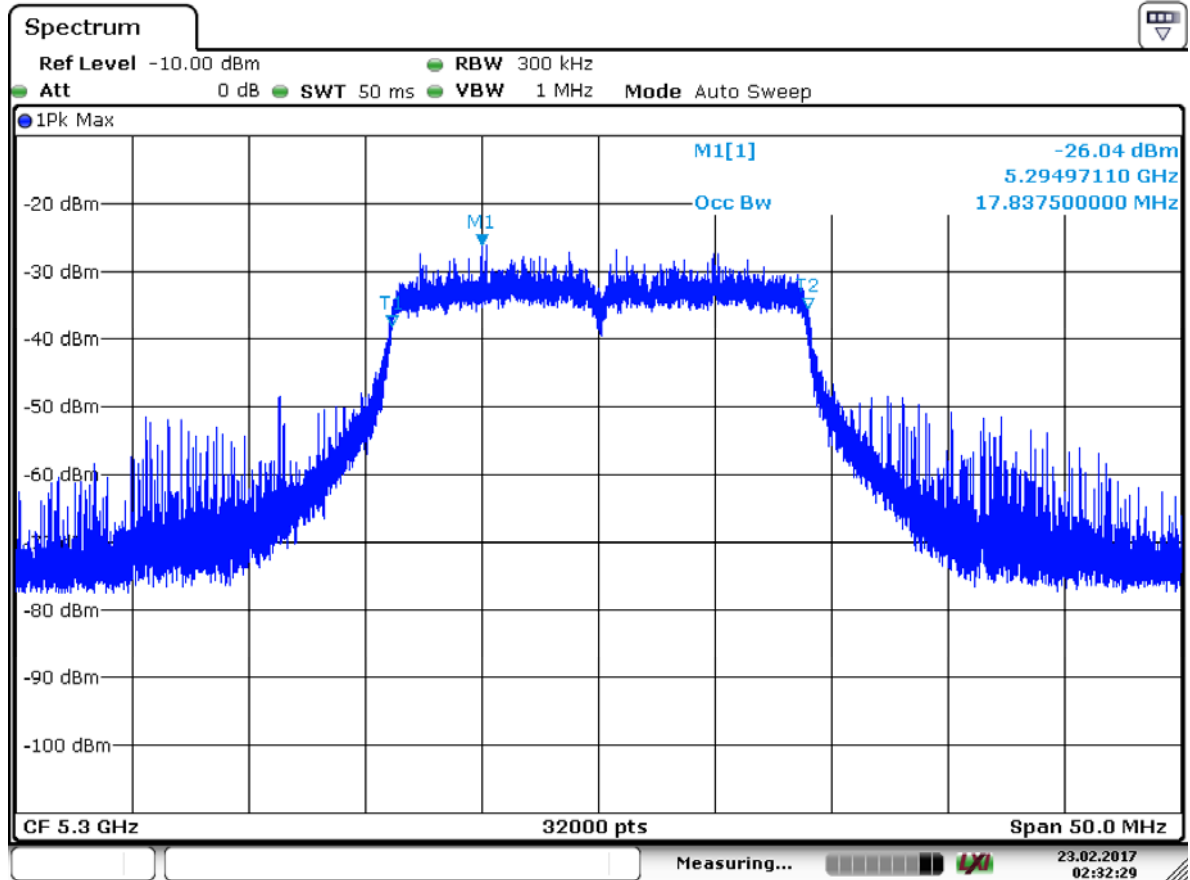
Detection bandwidth limit (100% of EUT 99% Power bandwidth): 75.28MHz

Detection bandwidth (5330(FH) – 5250(FL)) : 80MHz

Test Result : PASS

| Radar Frequency (MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection Rate (%) |
|-----------------------|--------------------------|---|---|---|---|---|---|---|---|----|--------------------|
|                       | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5291                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5292                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5293                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5294                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5295                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5296                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5297                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5298                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5299                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5300                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5301                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5302                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5303                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5304                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5305                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5306                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5307                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5308                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5309                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5310                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5311                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5312                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5313                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5314                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5315                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5316                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5317                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5318                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5319                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5320                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5321                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5322                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5323                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5324                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5325                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5326                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5327                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5328                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5329                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5330(FH)              | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5331                  | N                        | N | N | N | N | N | N | N | N | N  | 0                  |

Model: RBS50  
IEEE 802.11ac VHT20

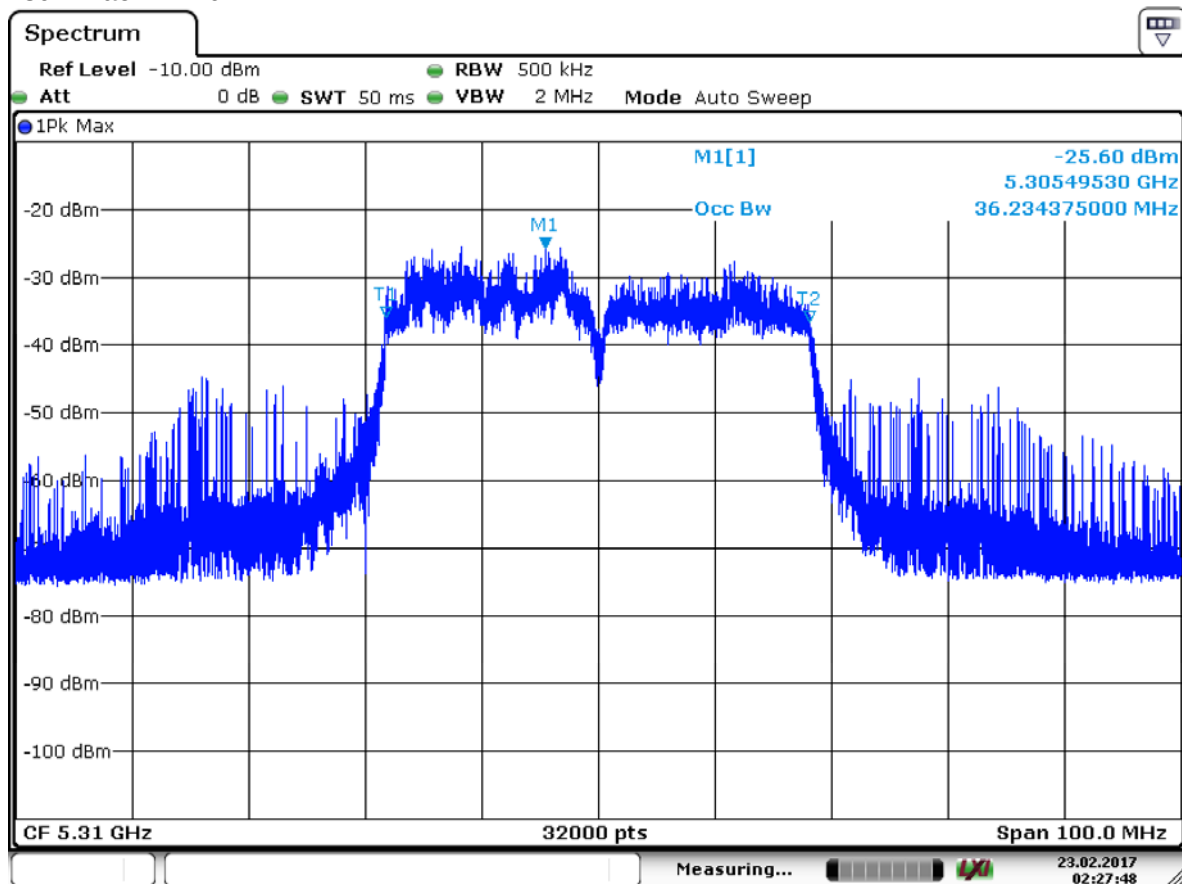


WWP501B30

Date: 23.FEB.2017 02:32:28

U-NII 99% Channel bandwidth

# IEEE 802.11ac VHT40

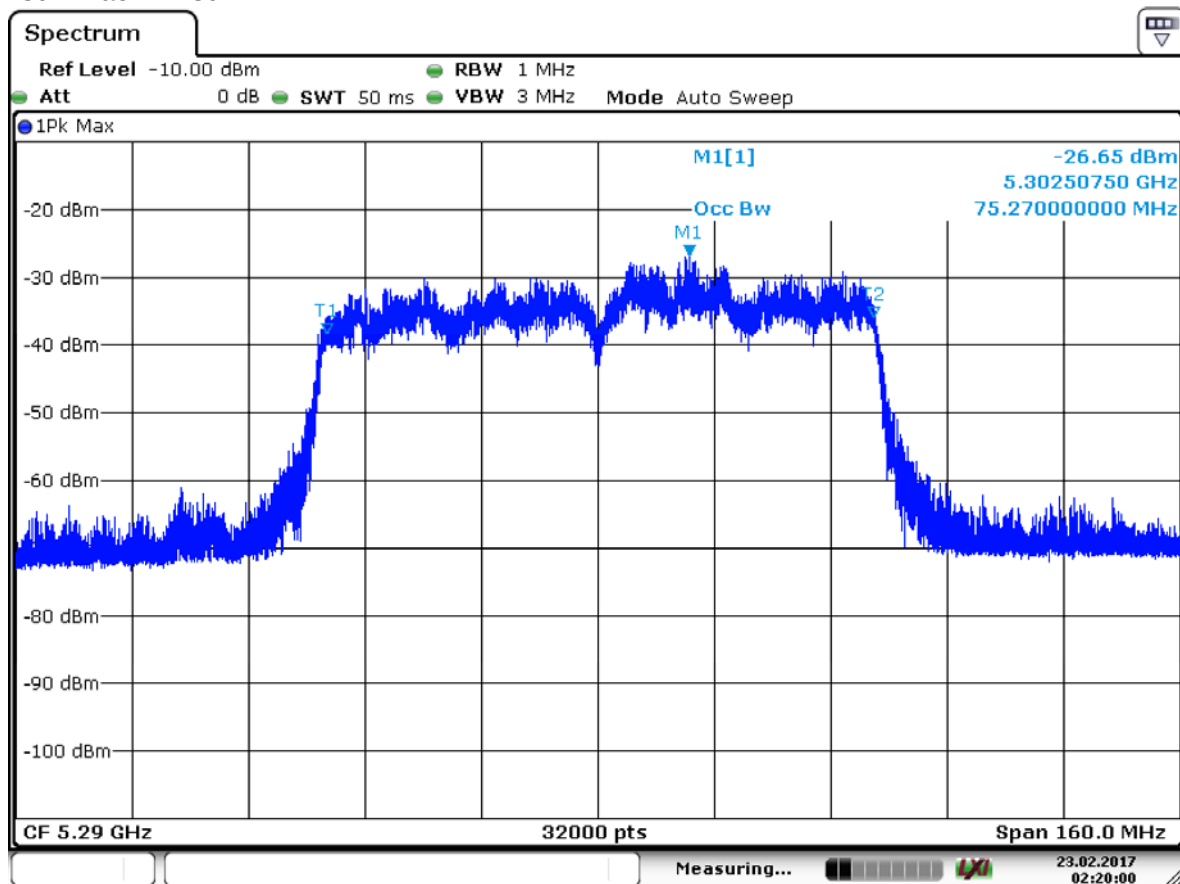


WWP501B30

Date: 23.FEB.2017 02:27:47

U-NII 99% Channel bandwidth

# IEEE 802.11ac VHT80



WWP501B30

Date: 23.FEB.2017 02:20:01

U-NII 99% Channel bandwidth



# Detection Bandwidth Test - IEEE 802.11ac (VHT20)

Radar Type 0

EUT Frequency: 5300MHz

EUT 99% Power bandwidth: 17.83MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 17.83MHz

Detection bandwidth (5310(FH) – 5290(FL)) : 20MHz

Test Result : PASS

| Radar<br>Frequency<br>(MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection<br>Rate (%) |
|-----------------------------|--------------------------|---|---|---|---|---|---|---|---|----|-----------------------|
|                             | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                       |
| 5289                        | N                        | N | N | N | N | N | N | N | N | N  | 0                     |
| 5290(FL)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5291                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5292                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5293                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5294                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5295                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5296                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5297                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5298                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5299                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5300                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5301                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5302                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5303                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5304                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5305                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5306                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5307                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5308                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5309                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5310(FH)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5311                        | N                        | N | N | N | N | N | N | N | N | N  | 0                     |

# Detection Bandwidth Test - IEEE 802.11ac (VHT40)

Radar Type 0

EUT Frequency: 5310MHz

EUT 99% Power bandwidth: 36.23MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 36.23MHz

Detection bandwidth (5330(FH) – 5290(FL)) : 40MHz

Test Result : PASS

| Radar<br>Frequency<br>(MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection<br>Rate (%) |
|-----------------------------|--------------------------|---|---|---|---|---|---|---|---|----|-----------------------|
|                             | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                       |
| 5289                        | N                        | N | N | N | N | N | N | N | N | N  | 0                     |
| 5290(FL)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5291                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5292                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5293                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5294                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5295                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5296                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5297                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5298                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5299                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5300                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5301                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5302                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5303                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5304                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5305                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5306                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5307                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5308                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5309                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5310                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5311                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5312                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5313                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5314                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5315                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5316                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5317                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5318                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5319                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5320                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5321                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5322                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5323                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5324                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5325                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5326                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5327                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5328                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5329                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5330(FH)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5331                        | N                        | N | N | N | N | N | N | N | N | N  | 0                     |

# Detection Bandwidth Test - IEEE 802.11ac (VHT80)

Radar Type 0

EUT Frequency: 5290MHz

EUT 99% Power bandwidth: 75.27MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 75.27MHz

Detection bandwidth (5330(FH) – 5250(FL)) : 80MHz

Test Result : PASS

| Radar<br>Frequency<br>(MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection<br>Rate (%) |
|-----------------------------|--------------------------|---|---|---|---|---|---|---|---|----|-----------------------|
|                             | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                       |
| 5249                        | N                        | N | N | N | N | N | N | N | N | N  | 0                     |
| 5250(FL)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5251                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5252                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5253                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5254                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5255                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5256                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5257                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5258                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5259                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5260                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5261                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5262                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5263                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5264                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5265                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5266                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5267                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5268                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5269                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5270                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5271                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5272                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5273                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5274                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5275                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5276                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5277                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5278                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5279                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5280                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5281                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5282                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5283                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5284                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5285                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5286                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5287                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5288                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5289                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5290                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |

Detection Bandwidth Test - IEEE 802.11ac (VHT80)

Radar Type 0

EUT Frequency: 5290MHz

EUT 99% Power bandwidth: 75.27MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 75.27MHz

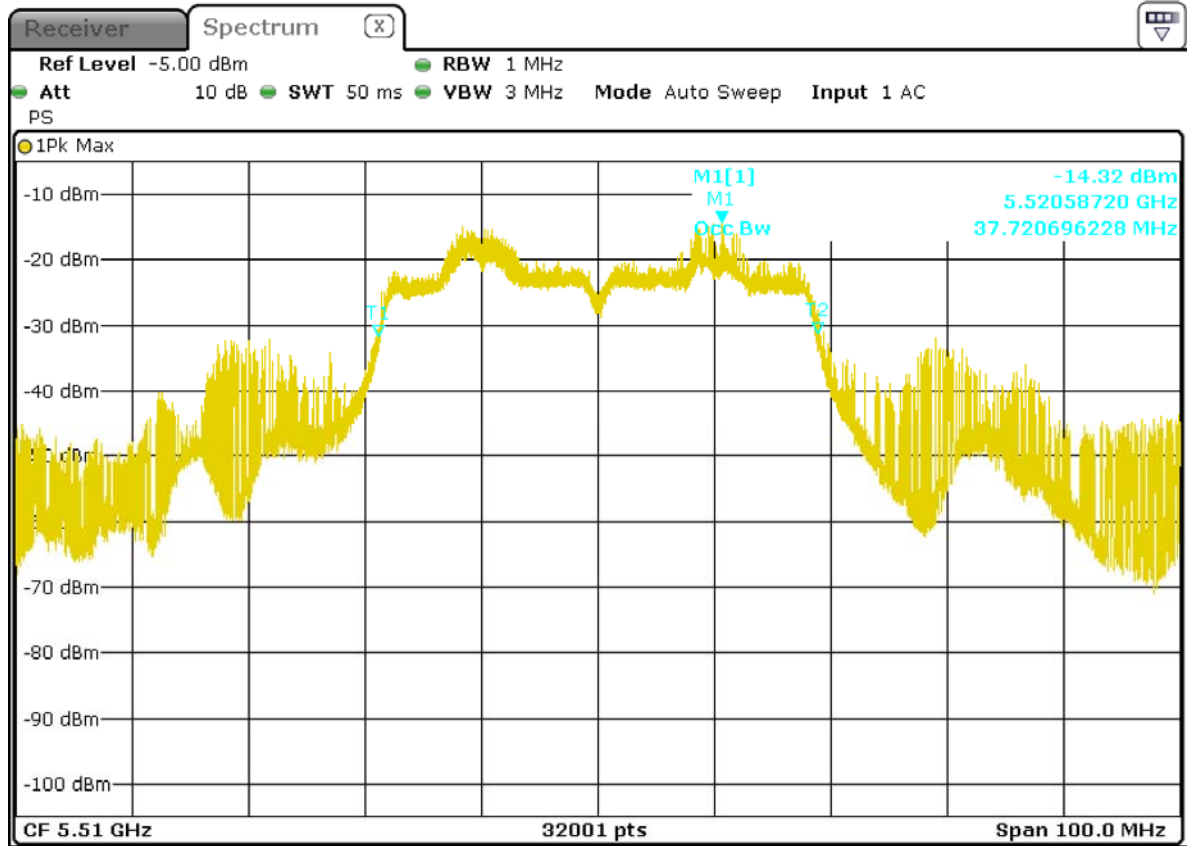
Detection bandwidth (5330(FH) – 5250(FL)) : 80MHz

Test Result : PASS

| Radar Frequency (MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection Rate (%) |
|-----------------------|--------------------------|---|---|---|---|---|---|---|---|----|--------------------|
|                       | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5291                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5292                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5293                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5294                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5295                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5296                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5297                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5298                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5299                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5300                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5301                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5302                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5303                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5304                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5305                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5306                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5307                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5308                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5309                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5310                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5311                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5312                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5313                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5314                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5315                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5316                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5317                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5318                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5319                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5320                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5321                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5322                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5323                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5324                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5325                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5326                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5327                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5328                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5329                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5330(FH)              | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5331                  | N                        | N | N | N | N | N | N | N | N | N  | 0                  |

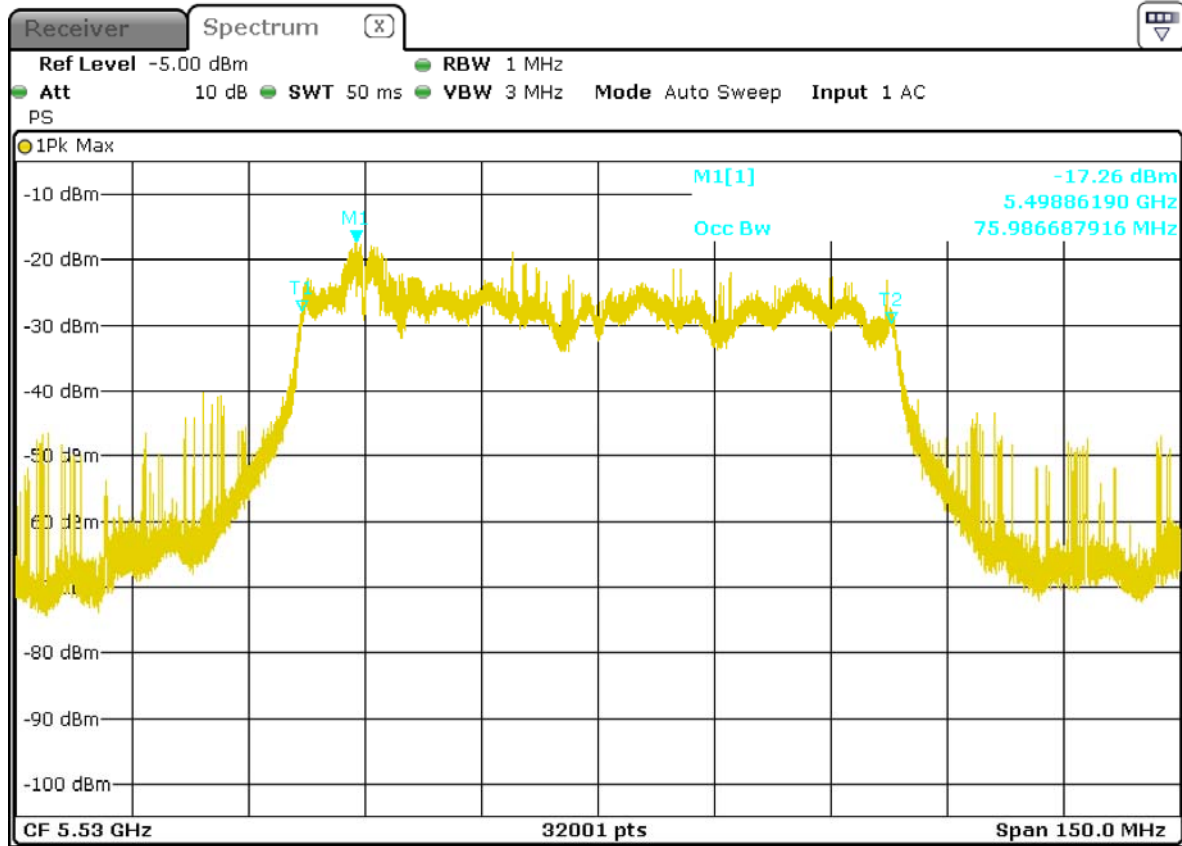


# IEEE 802.11ac VHT40



U-NII 99% Channel bandwidth

# IEEE 802.11ac VHT80



U-NII 99% Channel bandwidth

Model: RBR50

| Detection Bandwidth Test - IEEE 802.11ac VHT20                        |                          |   |   |   |   |   |   |   |   |    |                    |
|-----------------------------------------------------------------------|--------------------------|---|---|---|---|---|---|---|---|----|--------------------|
| Radar Type 0                                                          |                          |   |   |   |   |   |   |   |   |    |                    |
| EUT Frequency: 5500MHz                                                |                          |   |   |   |   |   |   |   |   |    |                    |
| EUT 99% Power bandwidth: 17.71MHz                                     |                          |   |   |   |   |   |   |   |   |    |                    |
| Detection bandwidth limit (100% of EUT 99% Power bandwidth): 17.71MHz |                          |   |   |   |   |   |   |   |   |    |                    |
| Detection bandwidth (5510(FH) – 5490(FL)) : 20MHz                     |                          |   |   |   |   |   |   |   |   |    |                    |
| Test Result : PASS                                                    |                          |   |   |   |   |   |   |   |   |    |                    |
| Radar Frequency (MHz)                                                 | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection Rate (%) |
|                                                                       | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5489                                                                  | N                        | N | N | N | N | N | N | N | N | N  | 0                  |
| 5490(FL)                                                              | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5491                                                                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5492                                                                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5493                                                                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5494                                                                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5495                                                                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5496                                                                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5497                                                                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5498                                                                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5499                                                                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5500                                                                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5501                                                                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5502                                                                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5503                                                                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5504                                                                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5505                                                                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5506                                                                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5507                                                                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5508                                                                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5509                                                                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5510(FH)                                                              | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5511                                                                  | N                        | N | N | N | N | N | N | N | N | N  | 0                  |



# Detection Bandwidth Test - IEEE 802.11ac VHT40

Radar Type 0

EUT Frequency: 5510MHz

EUT 99% Power bandwidth: 37.72MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 37.72MHz

Detection bandwidth (5530(FH) – 5490(FL)) : 40MHz

Test Result : PASS

| Radar<br>Frequency<br>(MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection<br>Rate (%) |
|-----------------------------|--------------------------|---|---|---|---|---|---|---|---|----|-----------------------|
|                             | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                       |
| 5489                        | N                        | N | N | N | N | N | N | N | N | N  | 0                     |
| 5490(FL)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5491                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5492                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5493                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5494                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5495                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5496                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5497                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5498                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5499                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5500                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5501                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5502                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5503                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5504                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5505                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5506                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5507                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5508                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5509                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5510                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5511                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5512                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5513                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5514                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5515                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5516                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5517                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5518                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5519                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5520                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5521                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5522                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5523                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5524                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5525                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5526                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5527                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5528                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5529                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5530(FH)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5531                        | N                        | N | N | N | N | N | N | N | N | N  | 0                     |

# Detection Bandwidth Test - IEEE 802.11ac VHT80

Radar Type 0

EUT Frequency: 5530MHz

EUT 99% Power bandwidth: 75.98MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 75.98MHz

Detection bandwidth (5570(FH) – 5490(FL)) : 80MHz

Test Result : PASS

| Radar<br>Frequency<br>(MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection<br>Rate (%) |
|-----------------------------|--------------------------|---|---|---|---|---|---|---|---|----|-----------------------|
|                             | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                       |
| 5489                        | N                        | N | N | N | N | N | N | N | N | N  | 0                     |
| 5490(FL)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5491                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5492                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5493                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5494                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5495                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5496                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5497                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5498                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5499                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5500                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5501                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5502                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5503                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5504                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5505                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5506                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5507                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5508                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5509                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5510                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5511                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5512                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5513                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5514                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5515                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5516                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5517                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5518                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5519                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5520                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5521                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5522                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5523                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5524                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5525                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5526                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5527                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5528                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5529                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5530                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5531                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5532                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |

# Detection Bandwidth Test - IEEE 802.11ac VHT80

Radar Type 0

EUT Frequency: 5530MHz

EUT 99% Power bandwidth: 75.98MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 75.98MHz

Detection bandwidth (5570(FH) – 5490(FL)) : 80MHz

Test Result : PASS

| Radar<br>Frequency<br>(MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection<br>Rate (%) |
|-----------------------------|--------------------------|---|---|---|---|---|---|---|---|----|-----------------------|
|                             | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                       |
| 5533                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5534                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5535                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5536                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5537                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5538                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5539                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5540                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5541                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5542                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5543                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5544                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5545                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5546                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5547                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5548                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5549                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5550                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5551                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5552                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5553                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5554                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5555                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5556                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5557                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5558                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5559                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5560                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5561                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5562                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5563                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5564                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5565                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5566                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5567                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5568                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5569                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5570(FH)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5571                        | N                        | N | N | N | N | N | N | N | N | N  | 0                     |

### 6.2.3 Channel Availability Check Time

If the EUT successfully detected the radar burst, it should be observed as the EUT has no transmissions occurred until the EUT starts transmitting on another channel.

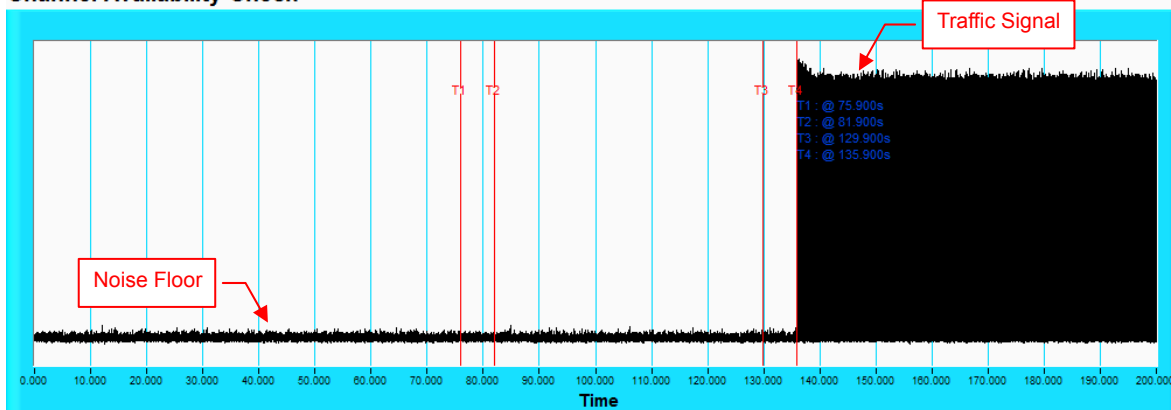
| Timing of Radar Signal | Observation |                   |
|------------------------|-------------|-------------------|
|                        | EUT         | Spectrum Analyzer |
| Within 1 to 6 second   | Detected    | No transmissions  |
| Within 54 to 60 second | Detected    | No transmissions  |

#### Initial Channel Availability Check Time

For 5250~5350MHz

Model: RBR50

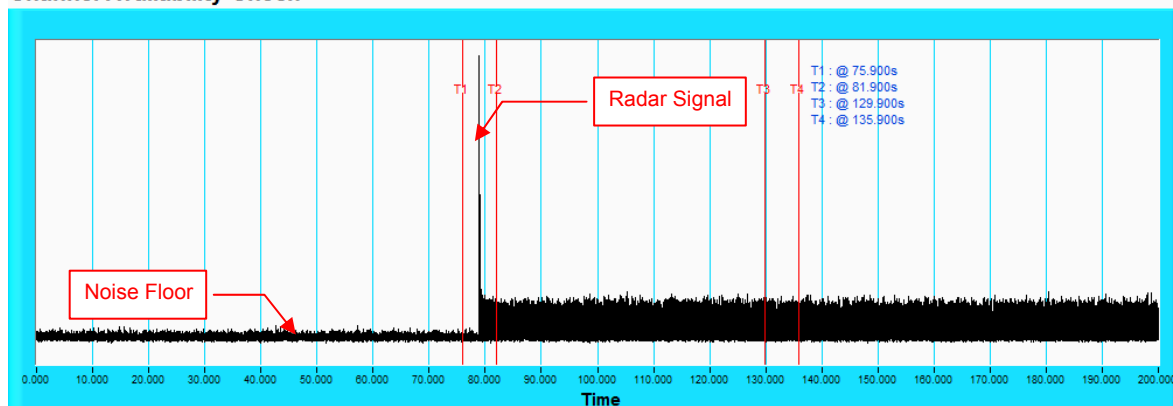
#### Channel Availability Check



**NOTE:** T1 denotes the end of power-up time period is 75.9 second. T4 denotes the end of Channel Availability Check time is 135.9 second. Channel Availability Check time is equal to ( T4 – T1) 60 seconds.

## Radar Burst at the Beginning of the Channel Availability Check Time

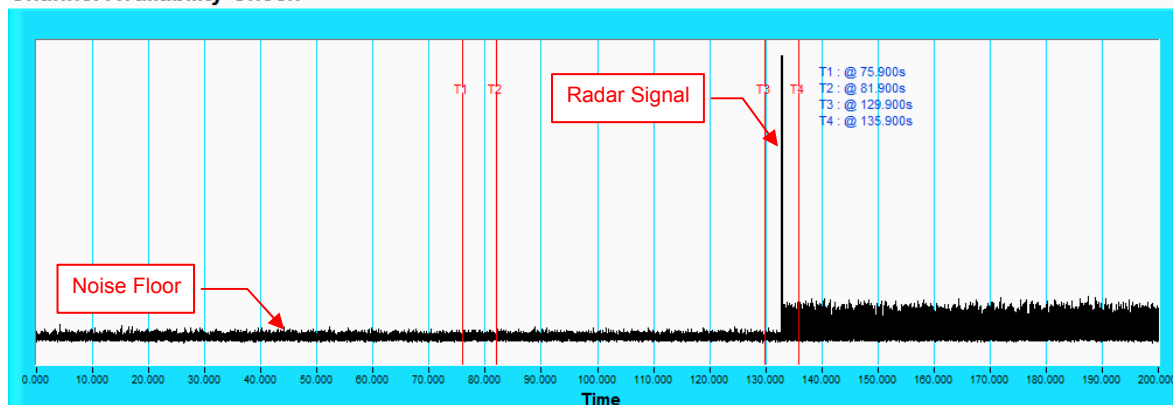
### Channel Availability Check



**NOTE:** T1 denotes the end of power up time period is 75.9 second. T2 denotes 81.9 second, the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T4 denotes the 135.9 second.

## Radar Burst at the End of the Channel Availability Check Time

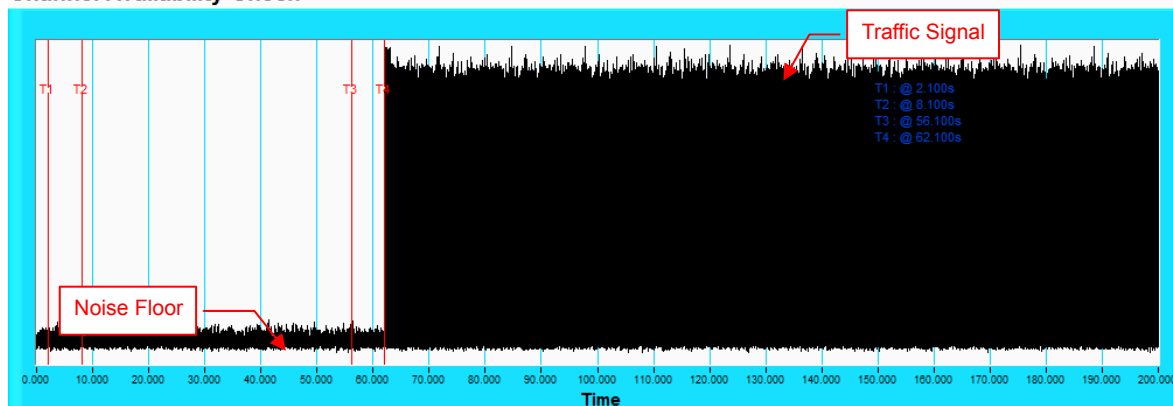
### Channel Availability Check



**NOTE:** T1 denotes the end of power up time period is 75.9 second. T3 denotes 129.9 second and radar burst was commenced within 54<sup>th</sup> second to 60<sup>th</sup> second window starting from the end of power-up sequence. T4 denotes the 135.9 second.

Model: RBS50

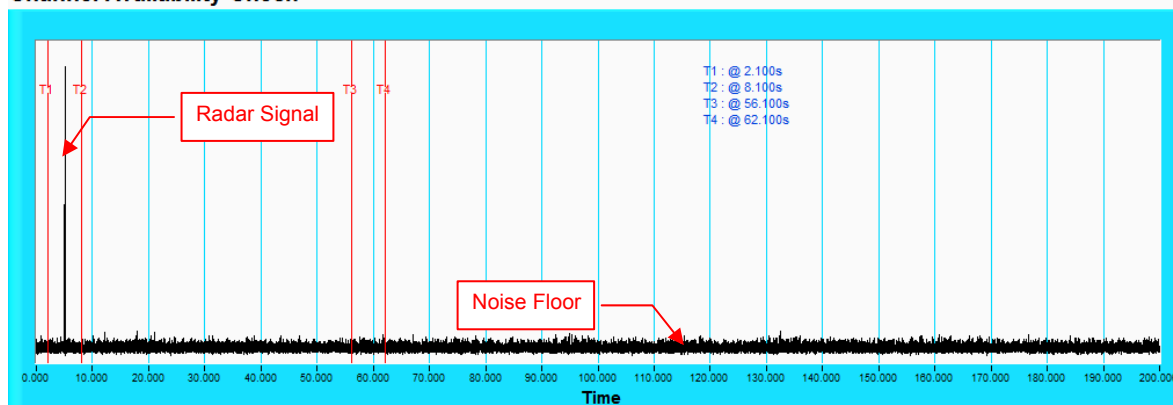
### Channel Availability Check



**NOTE:** T1 denotes the end of power-up time period is 2.1 second. T4 denotes the end of Channel Availability Check time is 62.1 second. Channel Availability Check time is equal to ( T4 – T1) 60 seconds.

### Radar Burst at the Beginning of the Channel Availability Check Time

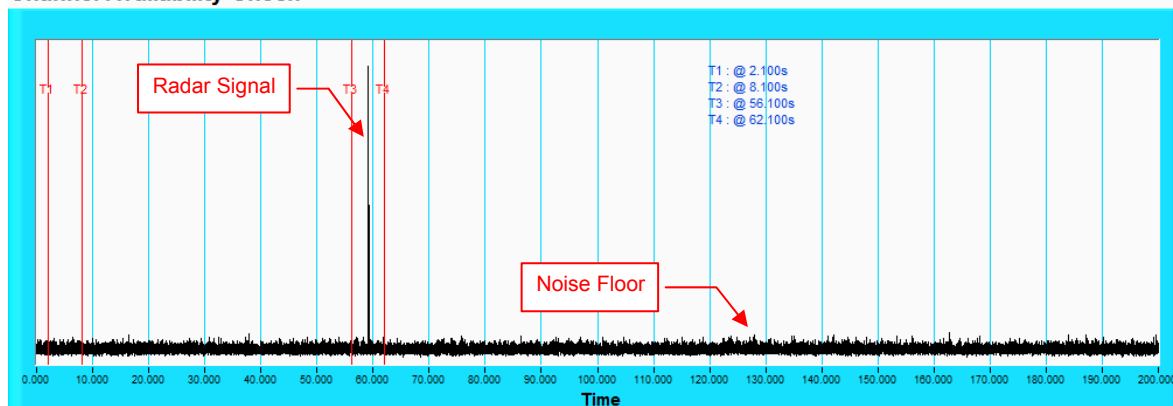
#### Channel Availability Check



**NOTE:** T1 denotes the end of power up time period is 2.1 second. T2 denotes 8.1 second, the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T4 denotes the 62.1 second.

### Radar Burst at the End of the Channel Availability Check Time

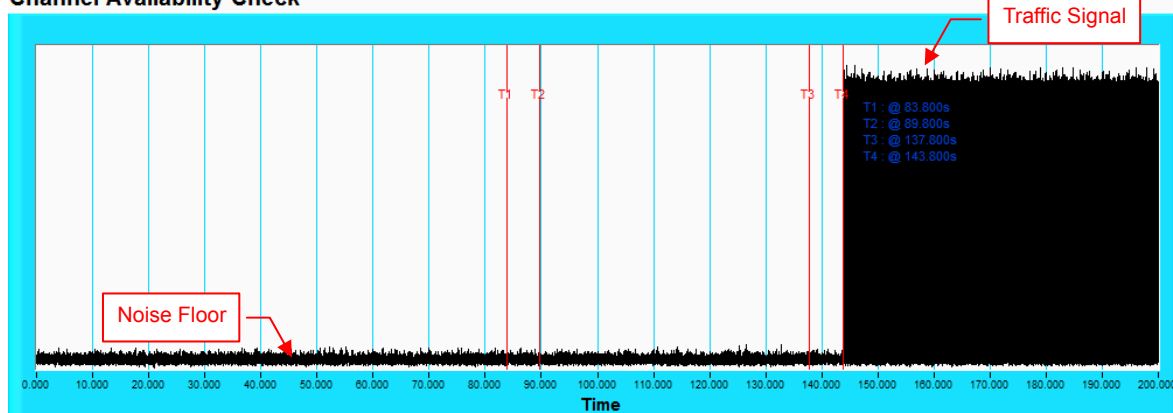
#### Channel Availability Check



**NOTE:** T1 denotes the end of power up time period is 2.1 second. T3 denotes 56.1 second and radar burst was commenced within 54<sup>th</sup> second to 60<sup>th</sup> second window starting from the end of power-up sequence. T4 denotes the 62.1 second.

For 5470~5725MHz  
Model: RBR50

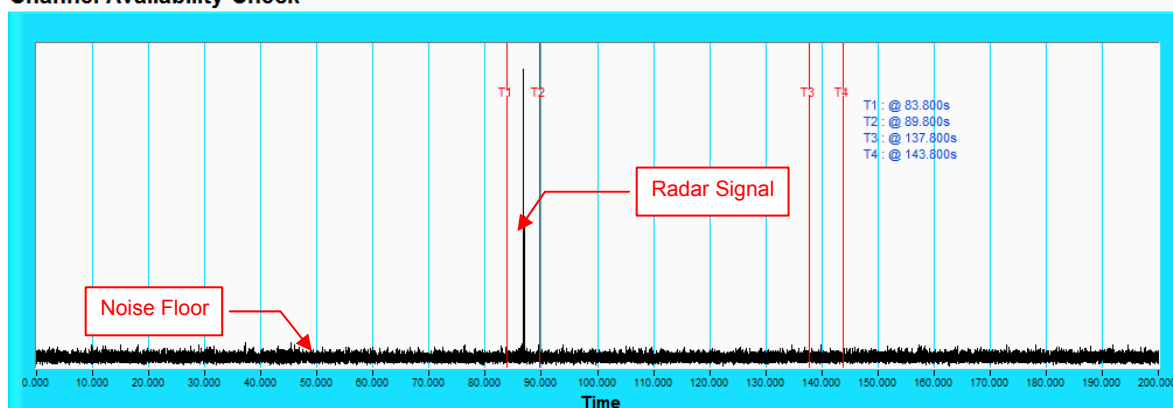
### Channel Availability Check



**NOTE:** T1 denotes the end of power-up time period is 83.8 second. T4 denotes the end of Channel Availability Check time is 143.8 second. Channel Availability Check time is equal to (T4 – T1) 60 seconds.

### Radar Burst at the Beginning of the Channel Availability Check Time

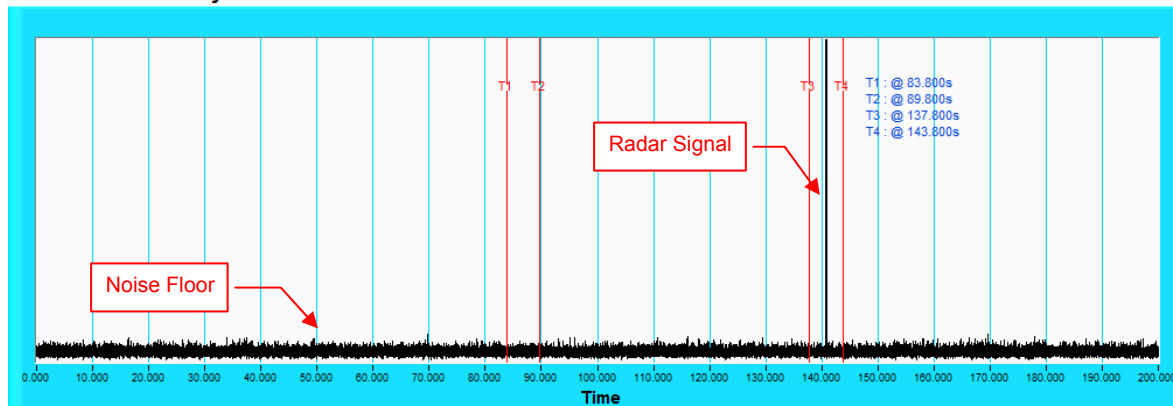
#### Channel Availability Check



**NOTE:** T1 denotes the end of power up time period is 83.8 second. T2 denotes 89.8 second, the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T4 denotes the 143.8 second.

## Radar Burst at the End of the Channel Availability Check Time

### Channel Availability Check



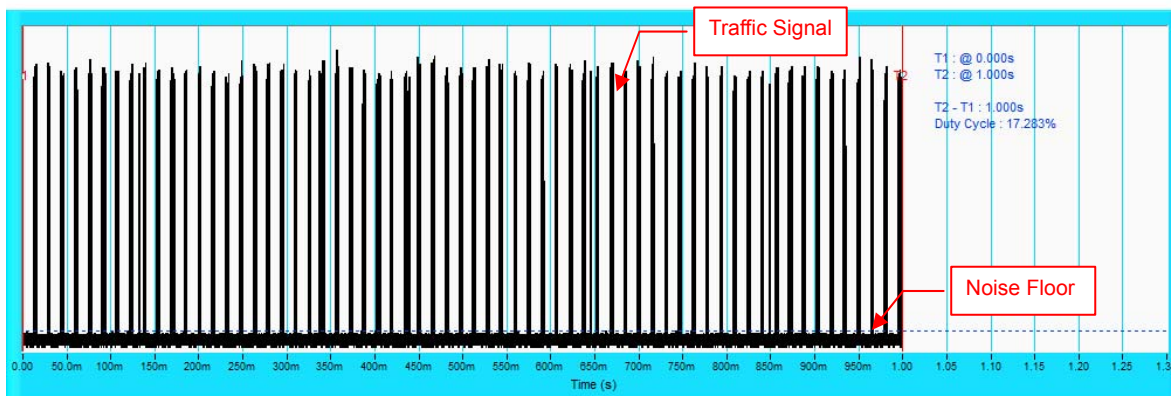
**NOTE:** T1 denotes the end of power up time period is 83.8 second. T3 denotes 137.8 second and radar burst was commenced within 54<sup>th</sup> second to 60<sup>th</sup> second window starting from the end of power-up sequence. T4 denotes the 143.8 second.



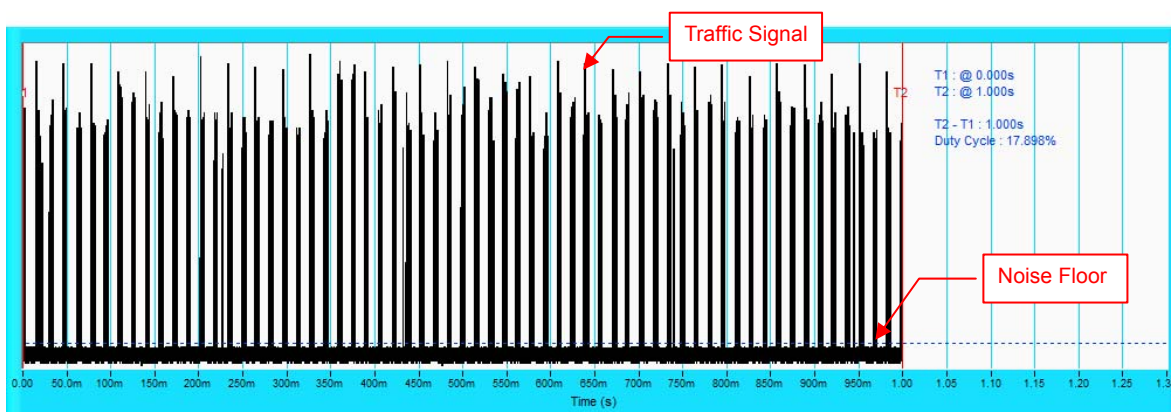
## 6.2.4 Channel Closing Transmission and Channel Move Time

For 5250~5350MHz  
Wireless Traffic Loading

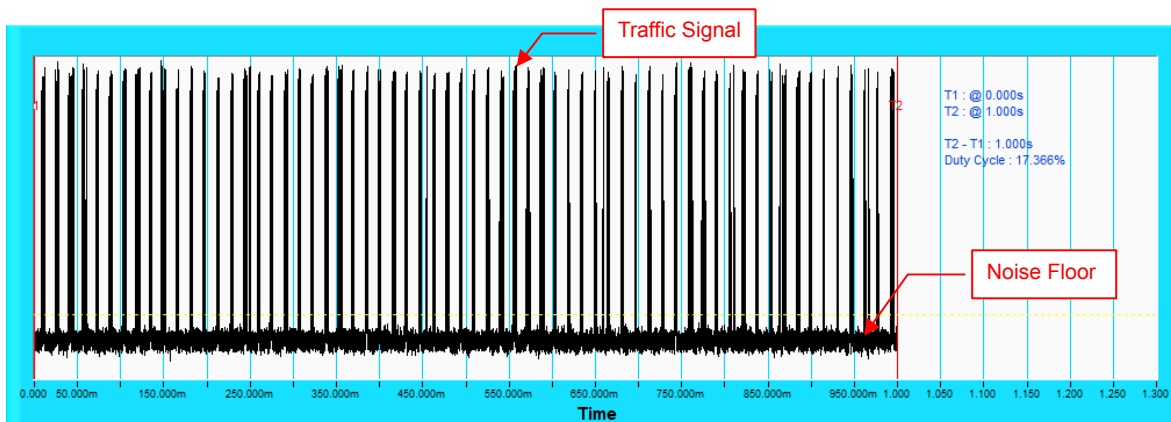
### 802.11ac (VHT20)



### 802.11ac (VHT40)



### 802.11ac (VHT80)

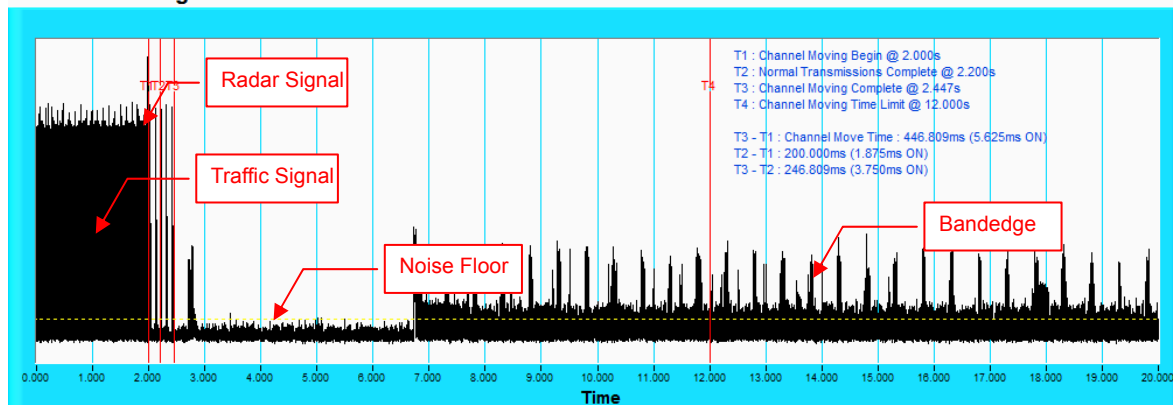


Model: RBR50

## Radar signal 0

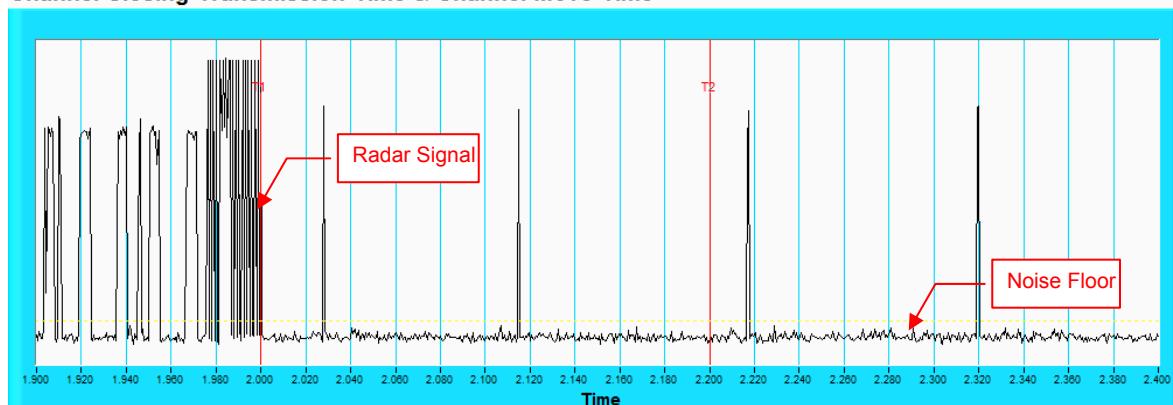
802.11ac (VHT80)

### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time

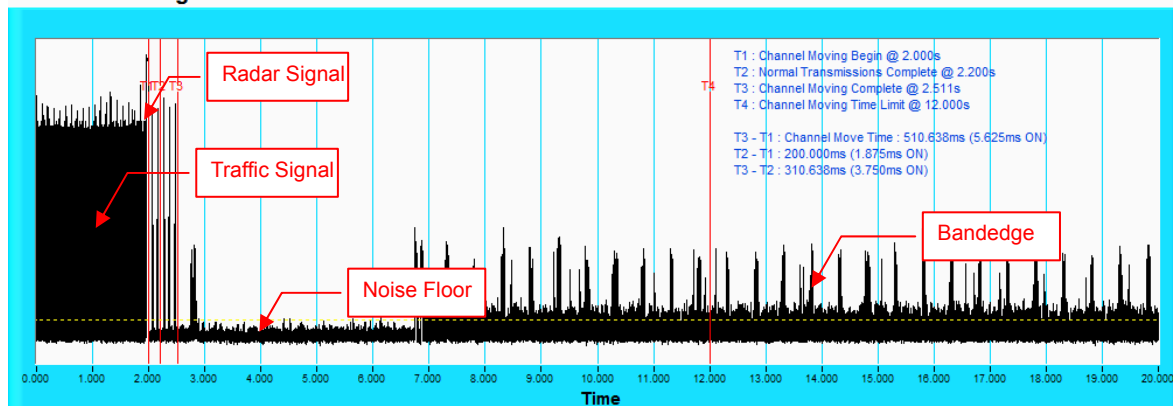


**NOTE:** Zoom-in of the first 500ms after radar signal applied.

## Radar signal 1

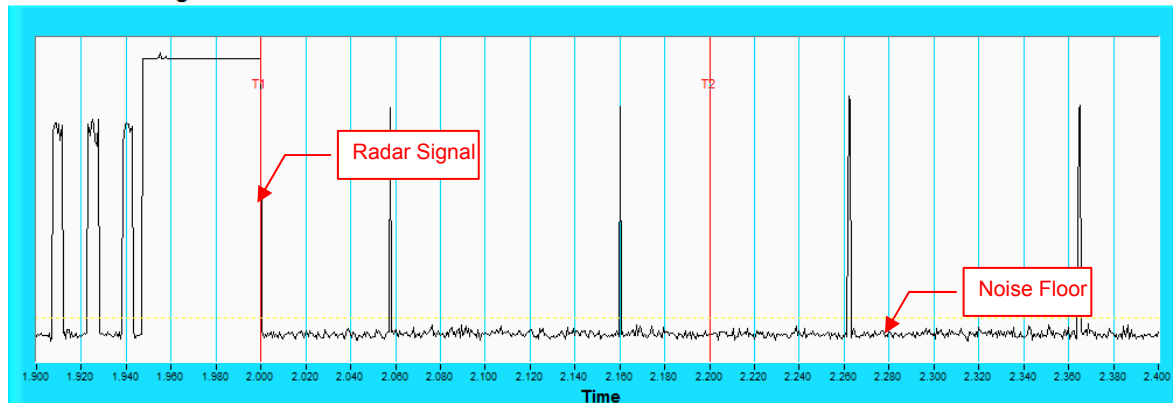
802.11ac (VHT80)

### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time

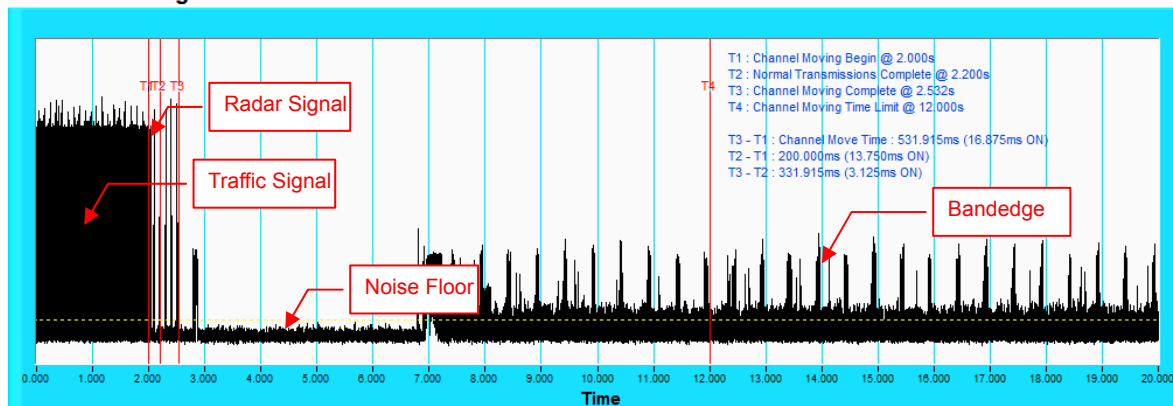


**NOTE:** Zoom-in of the first 500ms after radar signal applied.

## Radar signal 2

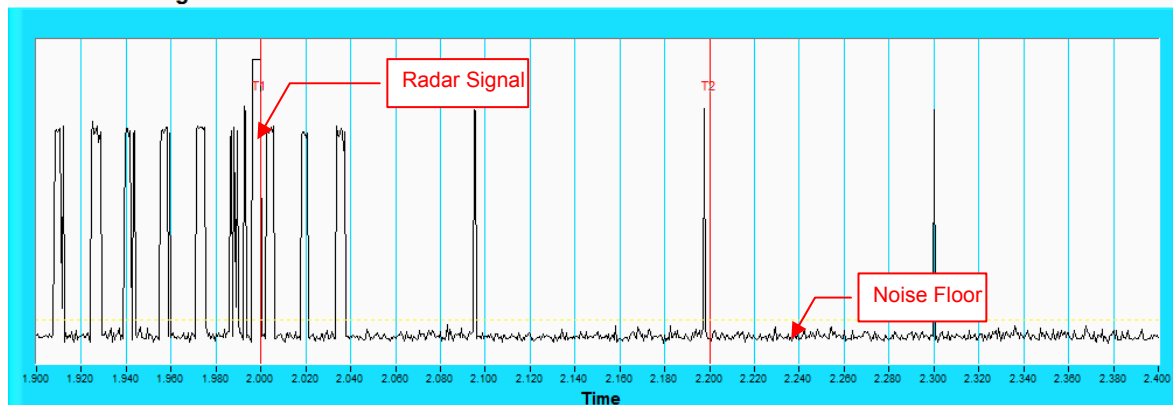
802.11ac (VHT80)

### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time

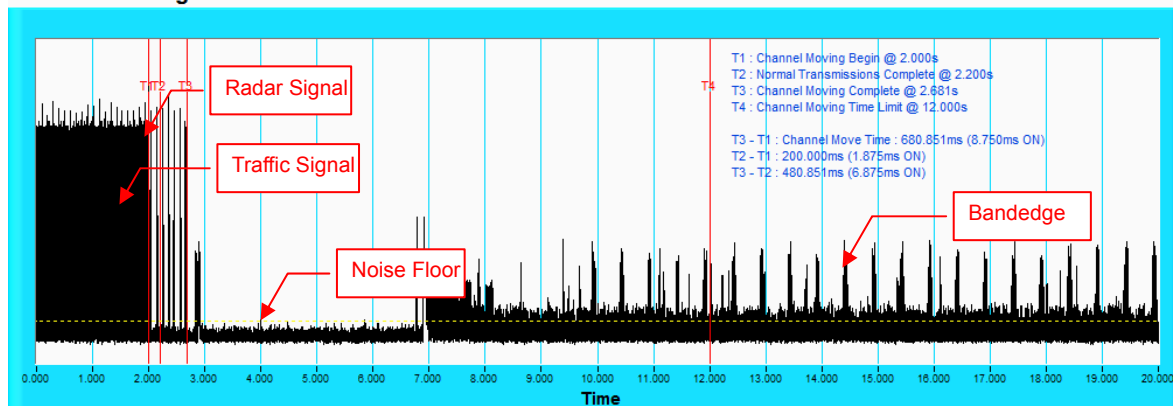


**NOTE:** Zoom-in of the first 500ms after radar signal applied.

## Radar signal 3

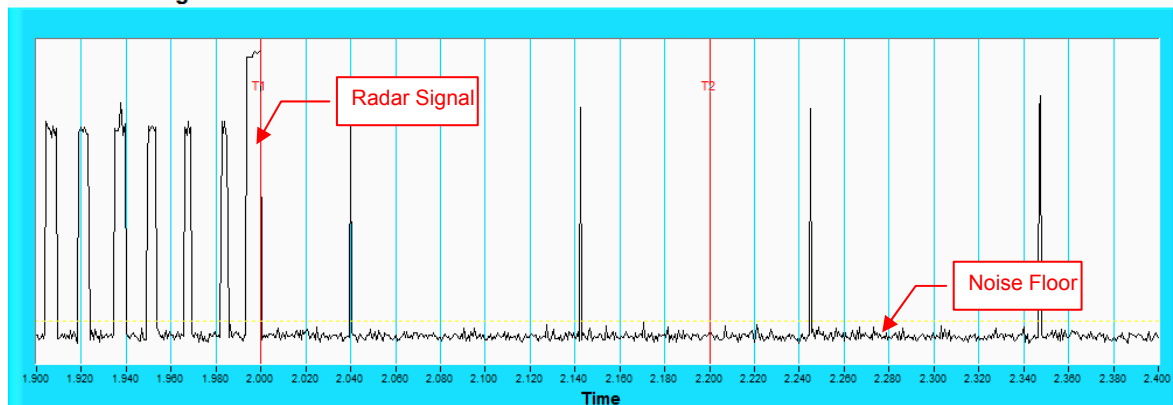
802.11ac (VHT80)

### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time

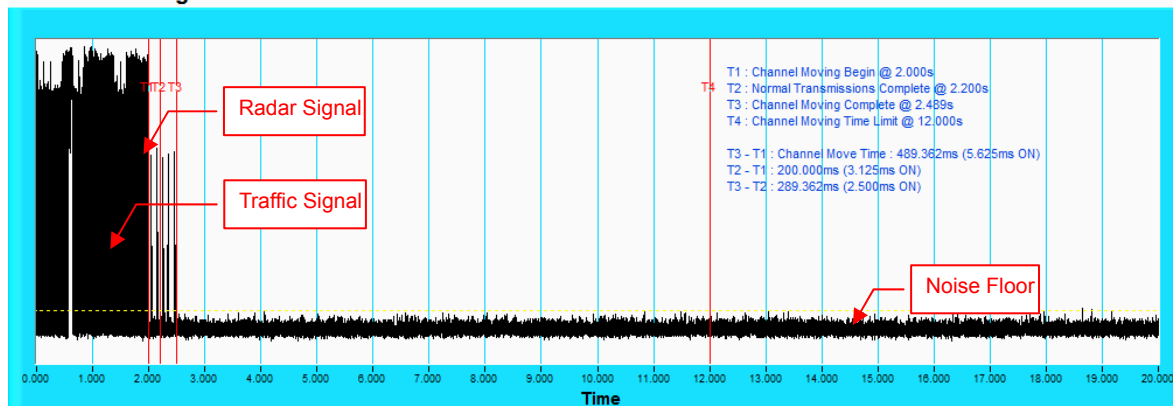


**NOTE:** Room-in of the first 500ms after radar signal applied.

## Radar signal 4

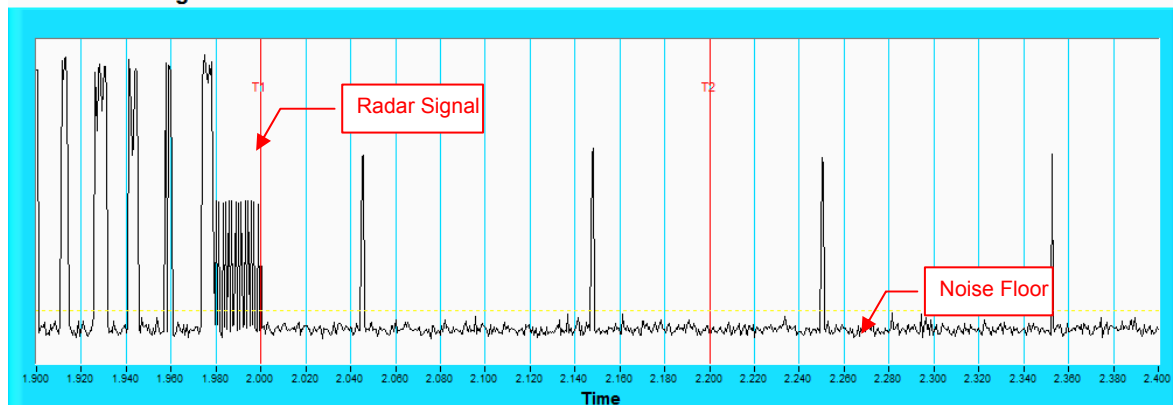
802.11ac (VHT80)

### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time



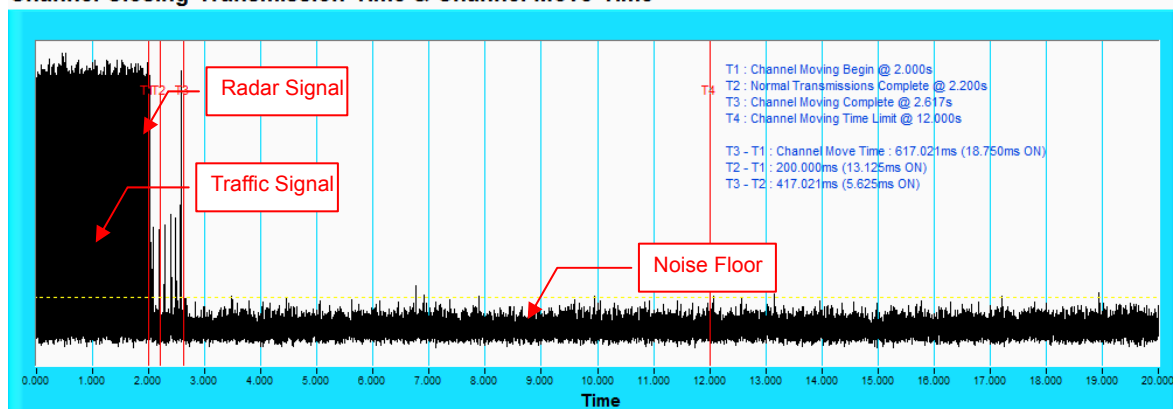
**NOTE:** Room-in of the first 500ms after radar signal applied.

Model: RBS50

## Radar signal 0

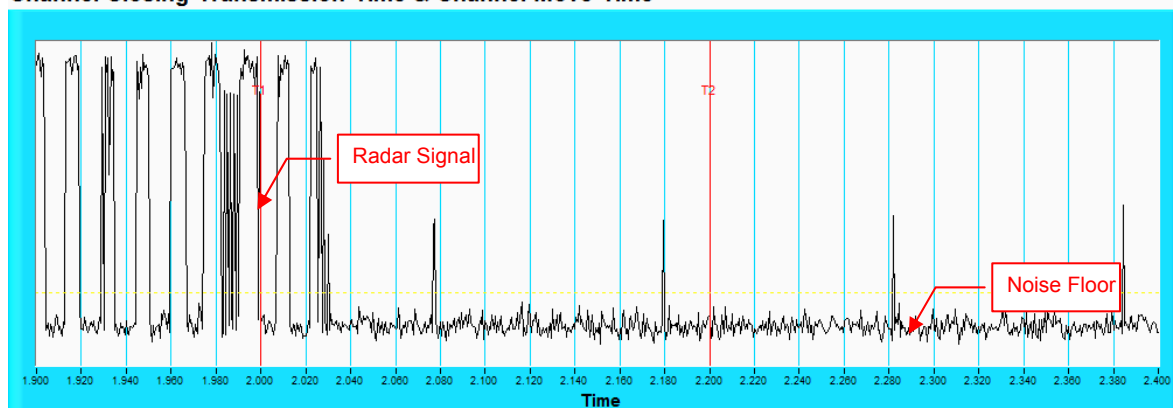
802.11ac (VHT80)

### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

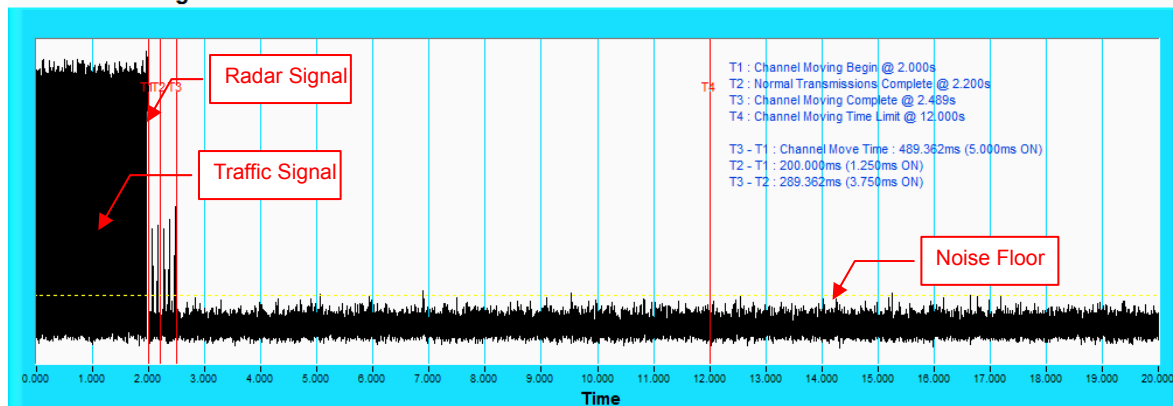
### Channel Closing Transmission Time & Channel Move Time



**NOTE:** Zoom-in of the first 500ms after radar signal applied.

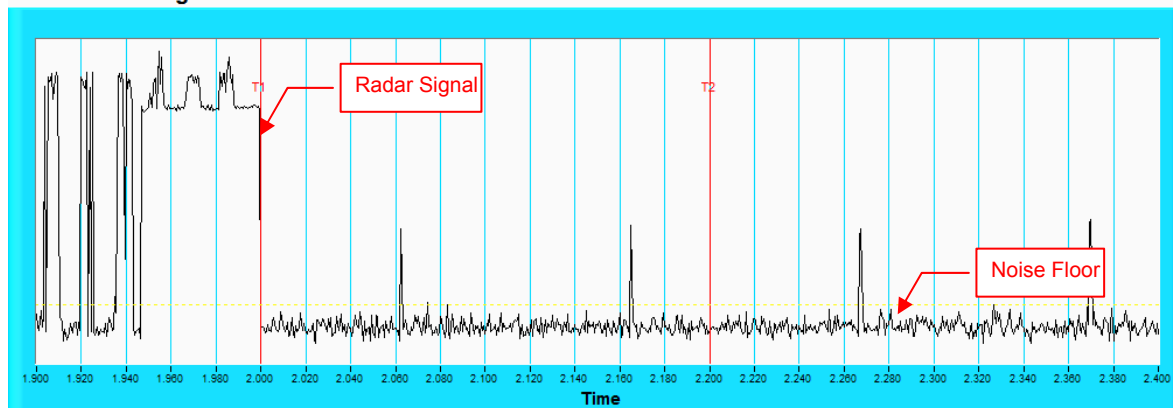
## Radar signal 1 802.11ac (VHT80)

### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time



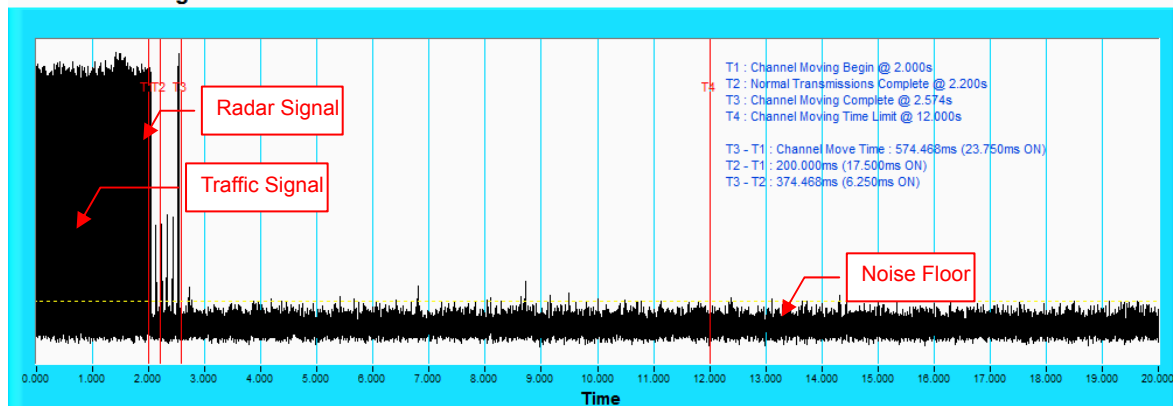
**NOTE:** Zoom-in of the first 500ms after radar signal applied.



## Radar signal 2

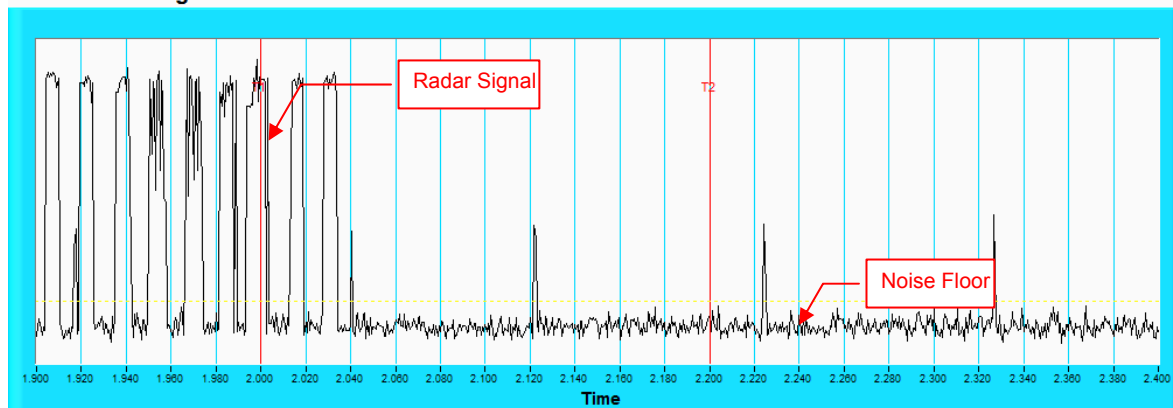
### 802.11ac (VHT80)

#### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

#### Channel Closing Transmission Time & Channel Move Time

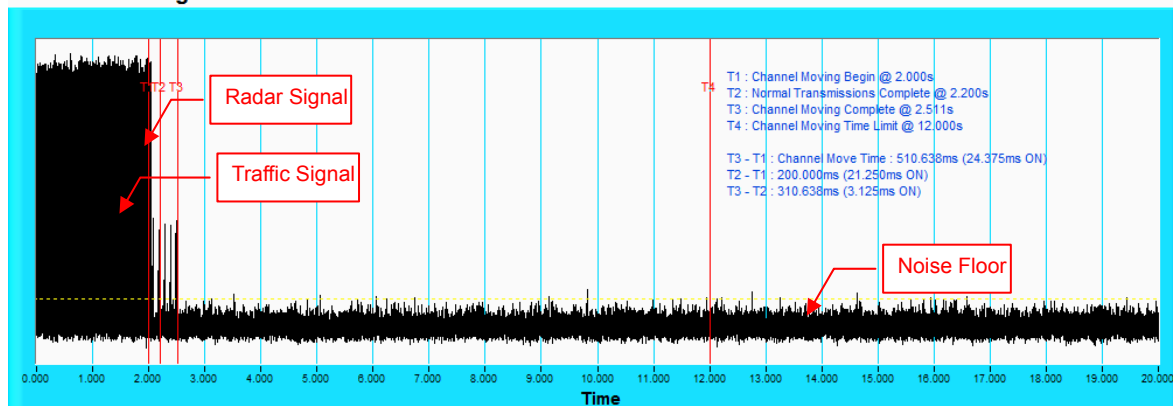


**NOTE:** Zoom-in of the first 500ms after radar signal applied.

## Radar signal 3

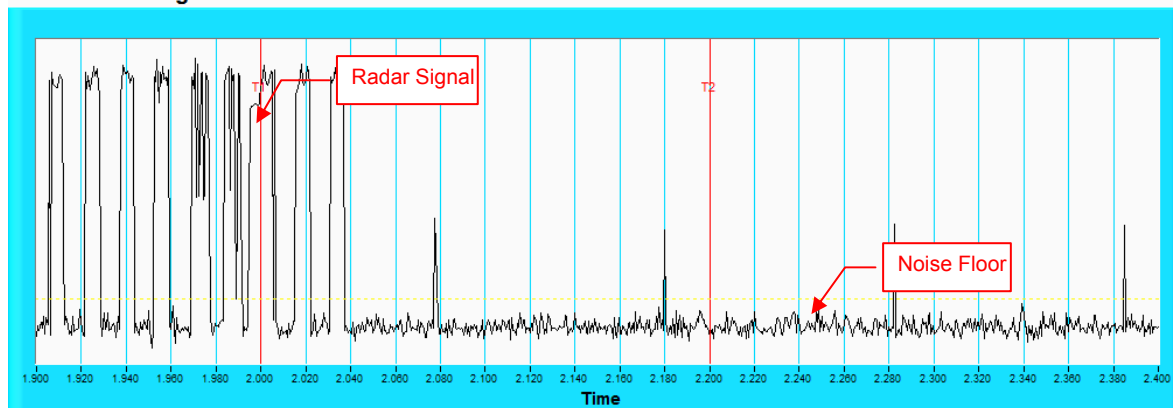
802.11ac (VHT80)

### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time

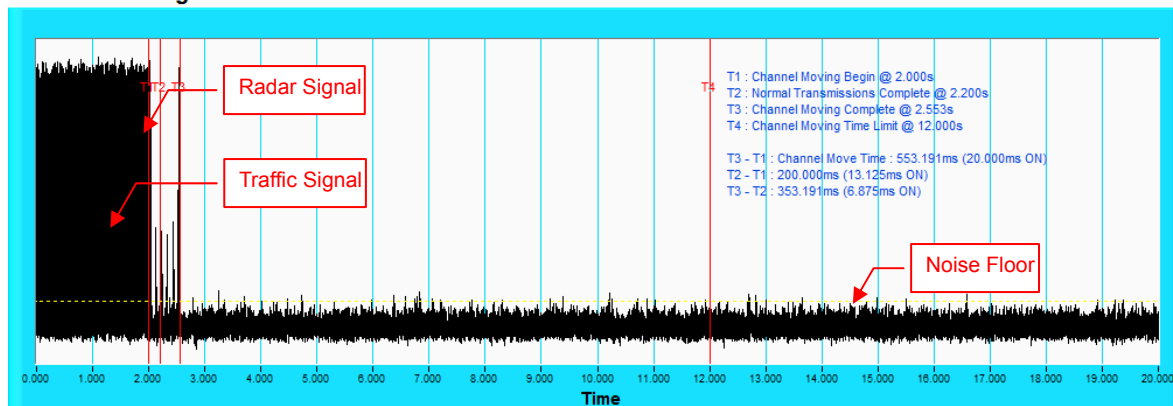


**NOTE:** Room-in of the first 500ms after radar signal applied.

## Radar signal 4

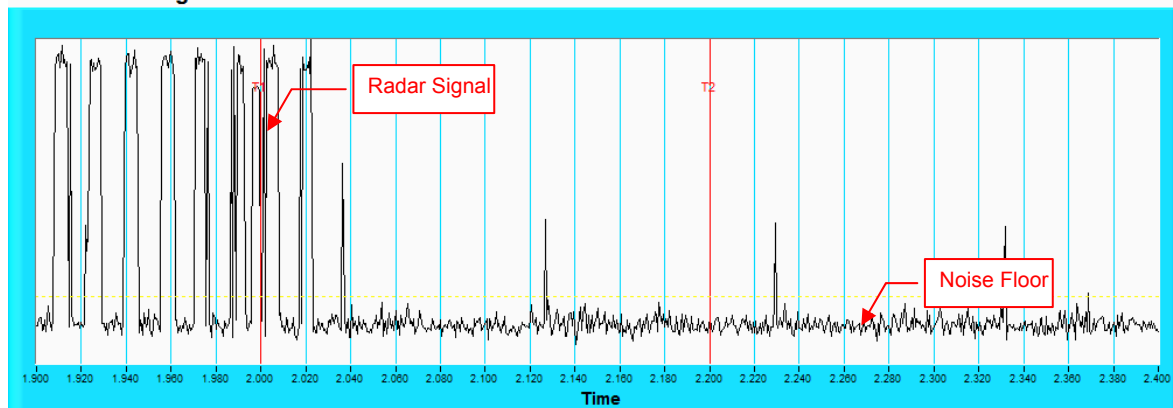
802.11ac (VHT80)

### Channel Closing Transmission Time & Channel Move Time



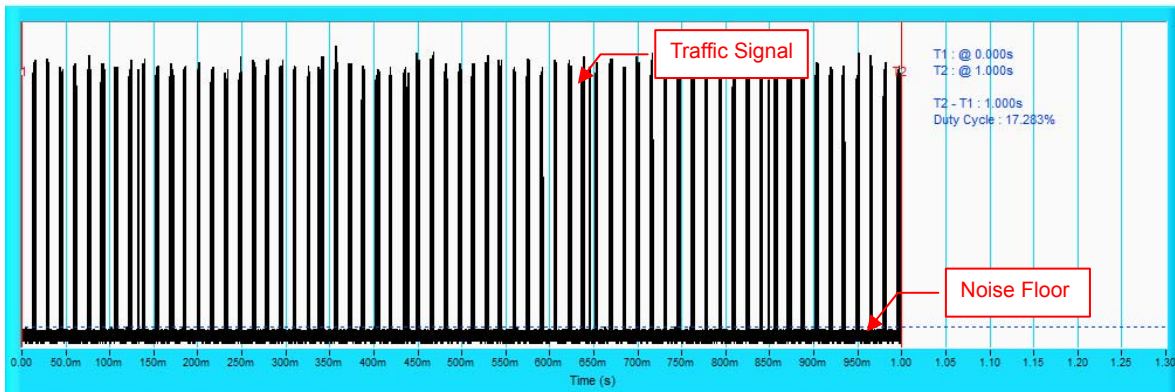
**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time

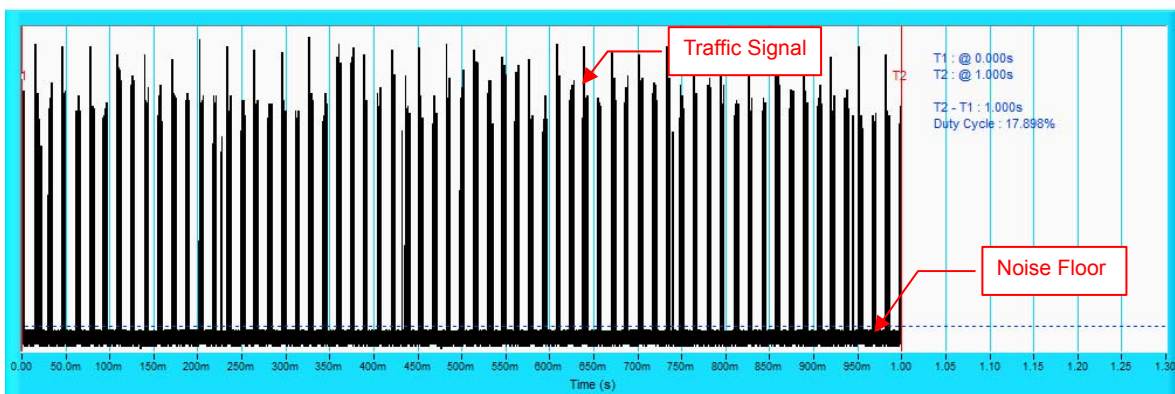


**NOTE:** Room-in of the first 500ms after radar signal applied.

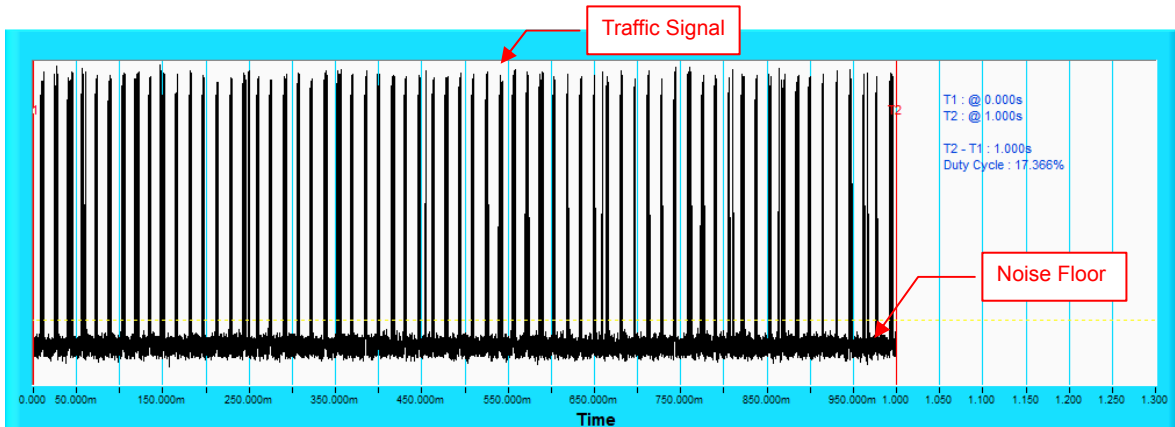
For 5470~5725MHz  
Wireless Traffic Loading  
IEEE 802.11ac VHT20



IEEE 802.11ac VHT40



IEEE 802.11ac VHT80

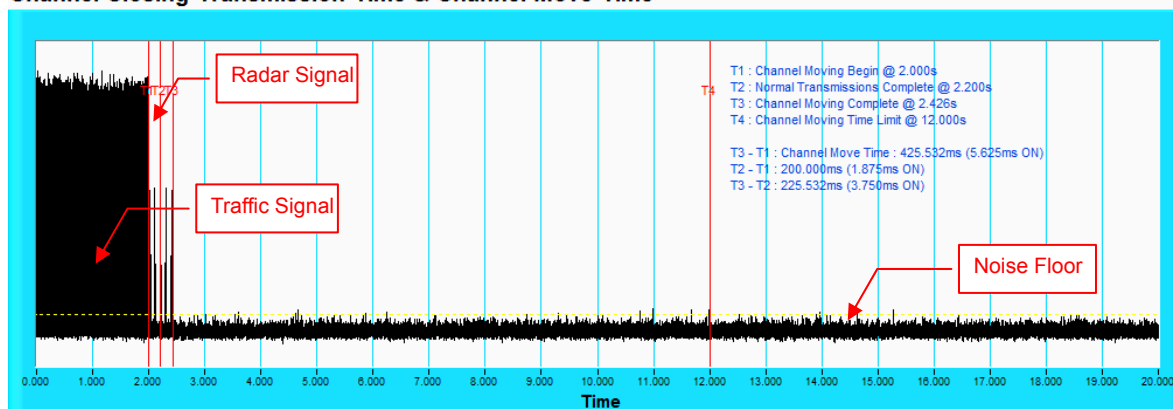


## Radar signal 0

Model: RBR50

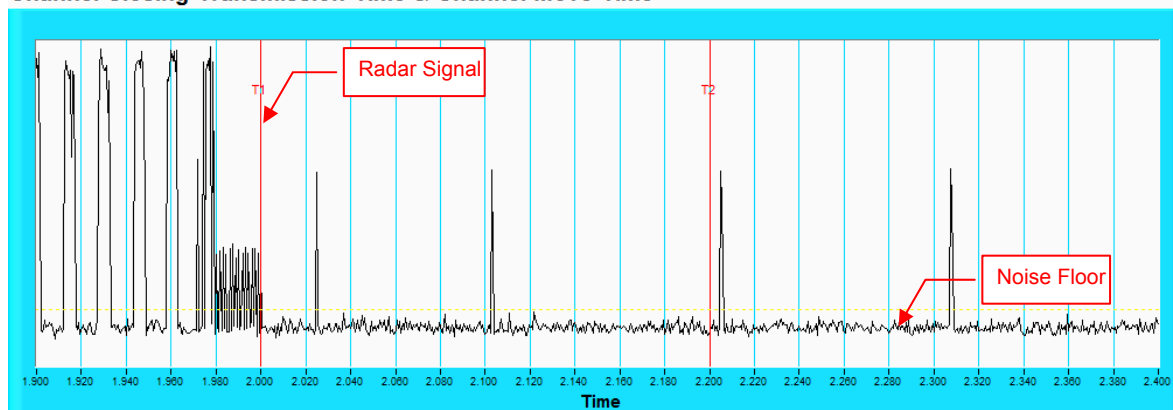
IEEE 802.11ac VHT80

### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time

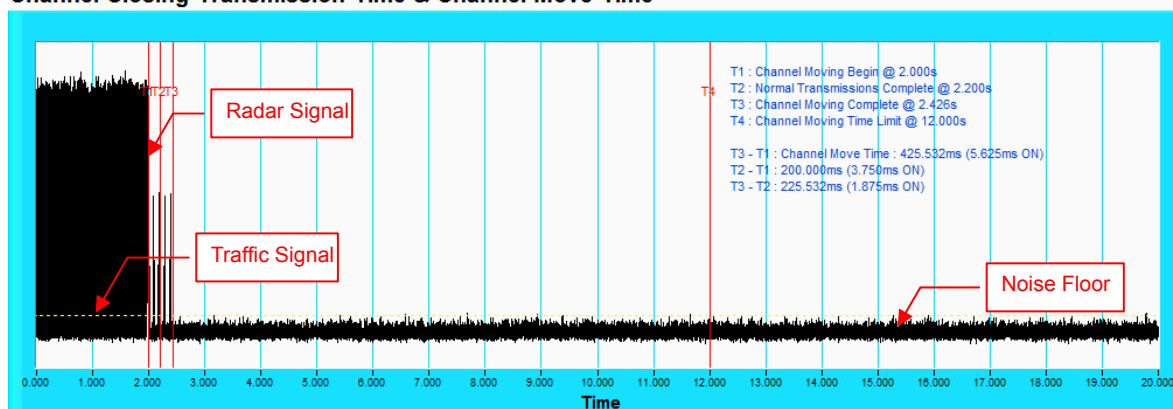


**NOTE:** Zoom-in of the first 500ms after radar signal applied.

## Radar signal 1

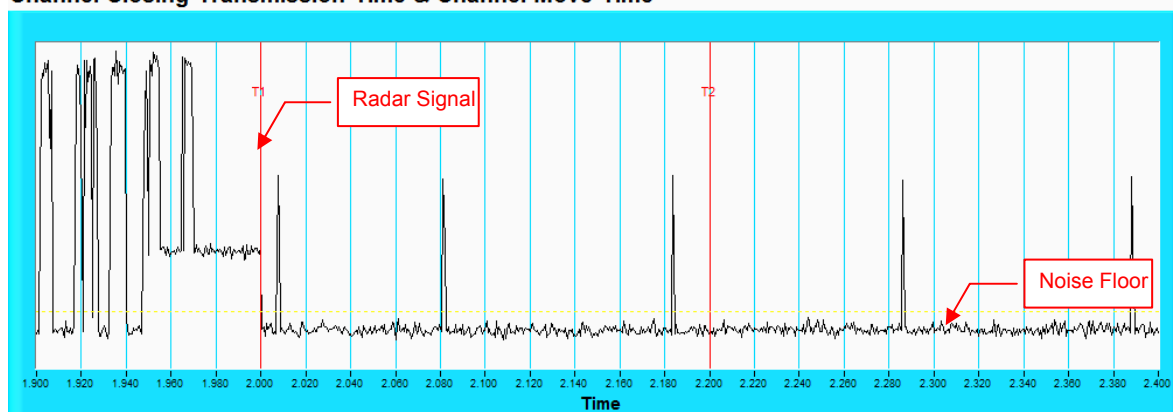
IEEE 802.11ac VHT80

### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time

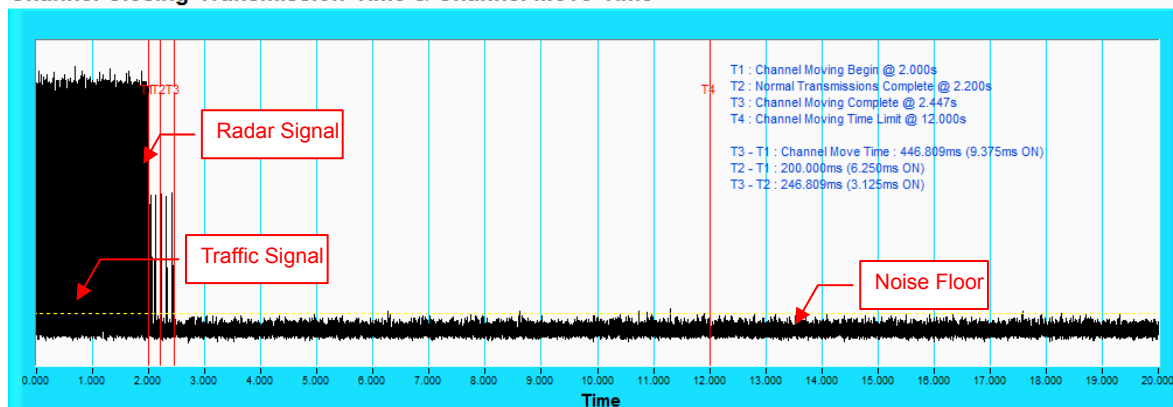


**NOTE:** Zoom-in of the first 500ms after radar signal applied.

## Radar signal 2

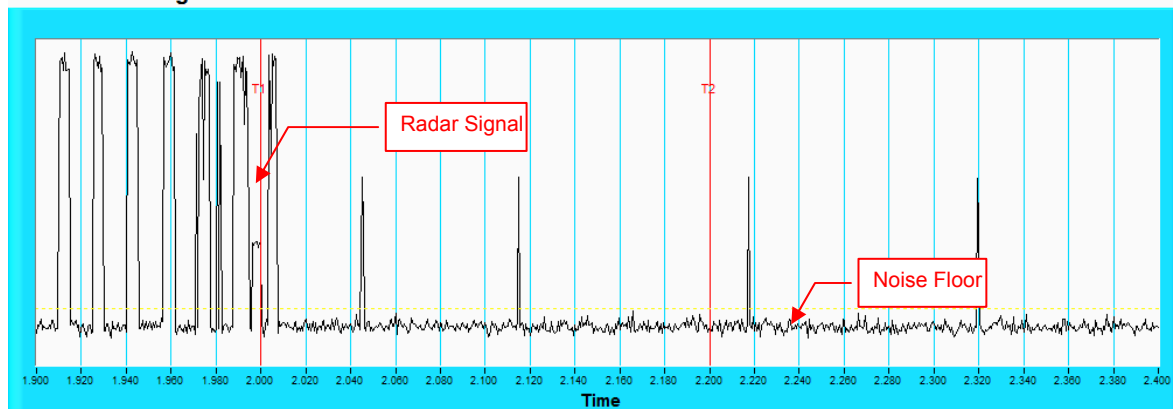
IEEE 802.11ac VHT80

### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time

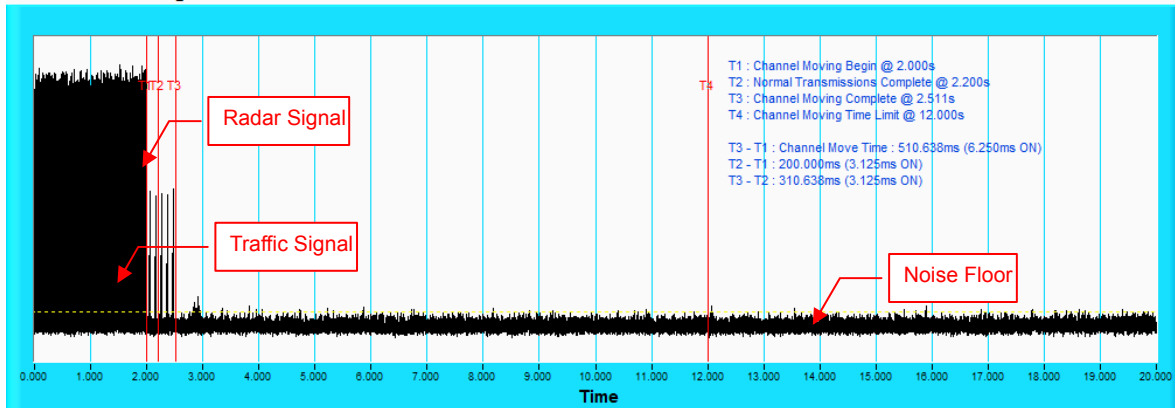


**NOTE:** Zoom-in of the first 500ms after radar signal applied.

## Radar signal 3

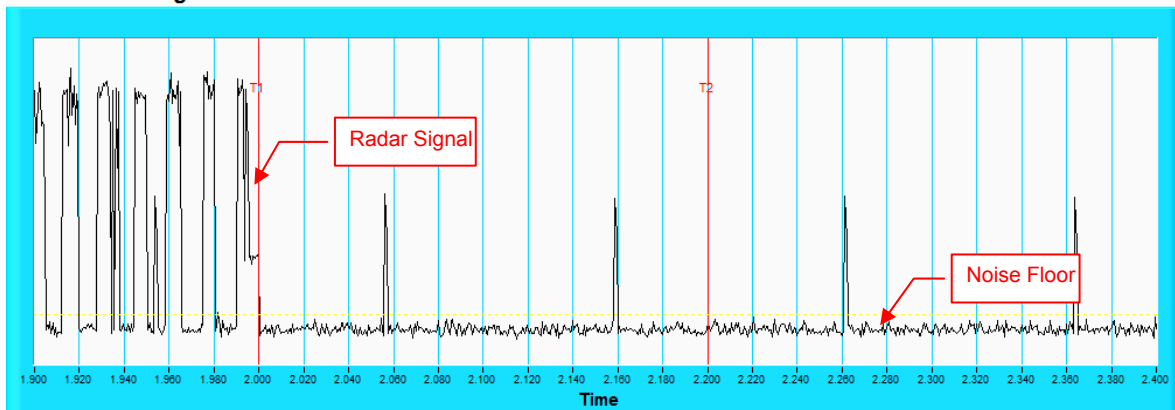
IEEE 802.11ac VHT80

### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time



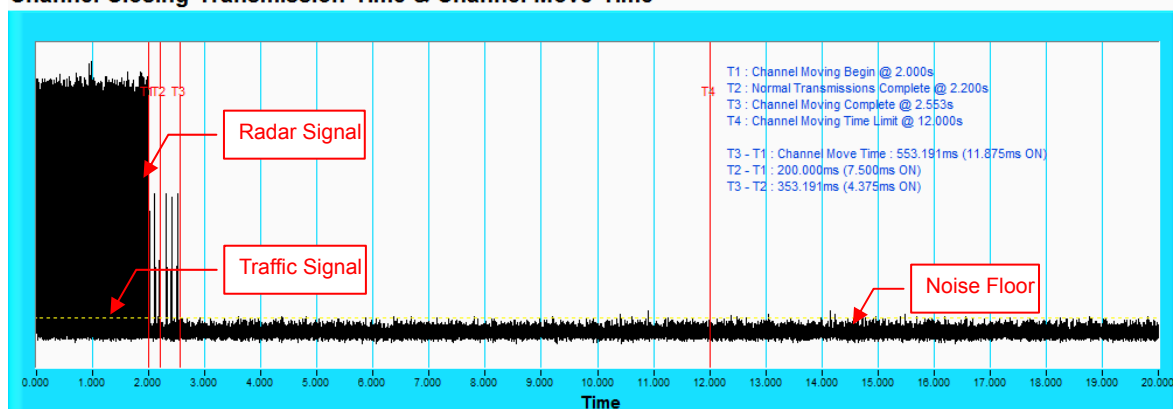
**NOTE:** Room-in of the first 500ms after radar signal applied.



## Radar signal 4

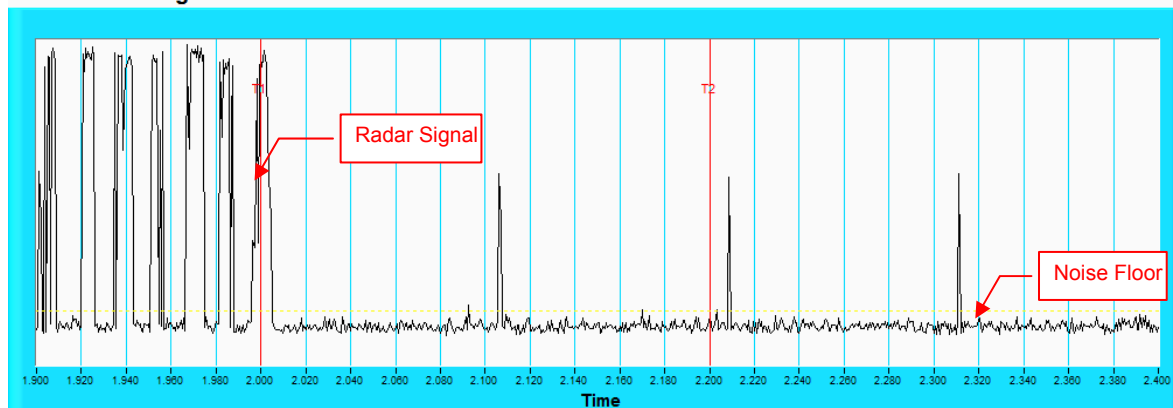
IEEE 802.11ac VHT80

### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time



**NOTE:** Room-in of the first 500ms after radar signal applied.

## 6.2.5 Detection rate

For 5250~5350  
Model: RBR50

### IEEE 802.11ac (VHT20)

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                      | Number of Pulses                                       | Number of Trials(Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                       | Roundup $\left\{ \frac{1}{360} \cdot \right\}$         | 30                      | 100%                                   |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μ sec, with a minimum increment of 1 μ sec, excluding PRI values selected in Test A | $\left\{ \frac{19 \cdot 10^6}{PRI_{\mu sec}} \right\}$ |                         |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                         | 23-29                                                  | 30                      | 93.3%                                  |
| 3                           | 6-10               | 200-500                                                                                                                                                         | 16-18                                                  | 30                      | 86.7%                                  |
| 4                           | 11-20              | 200-500                                                                                                                                                         | 12-16                                                  | 30                      | 80%                                    |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                                 |                                                        | 120                     | 90%                                    |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 86.7%                                  |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100%                                   |

The Detailed Radar pattern and Statistical Performance showed in Annex A.

# IEEE 802.11ac (VHT40)

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                  | Number of Trials(Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | Roundup $\left\{ \frac{1}{360} \cdot \left( \frac{19 \cdot 10^6}{PRI_{\mu sec}} \right) \right\}$ | 30                      | 93.3%                                  |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A |                                                                                                   |                         |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                       | 23-29                                                                                             | 30                      | 93.3%                                  |
| 3                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                             | 30                      | 93.3%                                  |
| 4                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                             | 30                      | 93.3%                                  |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                               |                                                                                                   | 120                     | 93.3%                                  |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 86.7%                                  |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100%                                   |

The Detailed Radar pattern and Statistical Performance showed in Annex A.

# IEEE 802.11ac (VHT80)

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                      | Number of Pulses                                                                                  | Number of Trials(Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                       | Roundup $\left\{ \frac{1}{360} \cdot \left( \frac{19 \cdot 10^6}{PRI_{\mu sec}} \right) \right\}$ | 30                      | 100%                                   |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μ sec, with a minimum increment of 1 μ sec, excluding PRI values selected in Test A |                                                                                                   |                         |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                         | 23-29                                                                                             | 30                      | 96.7%                                  |
| 3                           | 6-10               | 200-500                                                                                                                                                         | 16-18                                                                                             | 30                      | 86.7%                                  |
| 4                           | 11-20              | 200-500                                                                                                                                                         | 12-16                                                                                             | 30                      | 86.7%                                  |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                                 |                                                                                                   | 120                     | 92.52%                                 |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 90%                                    |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100%                                   |

The Detailed Radar pattern and Statistical Performance showed in Annex A.

Model: RBS50

**IEEE 802.11ac (VHT20)**

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                      | Number of Pulses                                                                                  | Number of Trials(Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                       | Roundup $\left\{ \frac{1}{360} \cdot \left( \frac{19 \cdot 10^6}{PRI_{\mu sec}} \right) \right\}$ | 30                      | 100%                                   |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μ sec, with a minimum increment of 1 μ sec, excluding PRI values selected in Test A |                                                                                                   |                         |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                         | 23-29                                                                                             | 30                      | 93.3%                                  |
| 3                           | 6-10               | 200-500                                                                                                                                                         | 16-18                                                                                             | 30                      | 86.7%                                  |
| 4                           | 11-20              | 200-500                                                                                                                                                         | 12-16                                                                                             | 30                      | 86.7%                                  |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                                 |                                                                                                   | 120                     | 91.67%                                 |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 90%                                    |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100%                                   |

The Detailed Radar pattern and Statistical Performance showed in Annex A.

# IEEE 802.11ac (VHT40)

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                  | Number of Trials(Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | Roundup $\left\{ \frac{1}{360} \cdot \left( \frac{19 \cdot 10^6}{PRI_{\mu sec}} \right) \right\}$ | 30                      | 93.3%                                  |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A |                                                                                                   |                         |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                       | 23-29                                                                                             | 30                      | 96.7%                                  |
| 3                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                             | 30                      | 90%                                    |
| 4                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                             | 30                      | 93.3%                                  |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                               |                                                                                                   | 120                     | 93.32%                                 |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 86.7%                                  |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100%                                   |

The Detailed Radar pattern and Statistical Performance showed in Annex A.

# IEEE 802.11ac (VHT80)

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                      | Number of Pulses                                                                                  | Number of Trials(Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                       | Roundup $\left\{ \frac{1}{360} \cdot \left( \frac{19 \cdot 10^6}{PRI_{\mu sec}} \right) \right\}$ | 30                      | 100%                                   |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μ sec, with a minimum increment of 1 μ sec, excluding PRI values selected in Test A |                                                                                                   |                         |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                         | 23-29                                                                                             | 30                      | 96.7%                                  |
| 3                           | 6-10               | 200-500                                                                                                                                                         | 16-18                                                                                             | 30                      | 90%                                    |
| 4                           | 11-20              | 200-500                                                                                                                                                         | 12-16                                                                                             | 30                      | 93.3%                                  |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                                 |                                                                                                   | 120                     | 95%                                    |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 90%                                    |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100%                                   |

The Detailed Radar pattern and Statistical Performance showed in Annex A.

For 5470~5725MHz  
Model: RBR50

### IEEE 802.11ac VHT20

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                                                                  | Number of Trials(Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | Roundup $\left\{ \left\lceil \frac{1}{360} \right\rceil \cdot \left\lceil \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right\rceil \right\}$ | 30                      | 100%                                   |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A |                                                                                                                                                   |                         |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                       | 23-29                                                                                                                                             | 30                      | 93.3%                                  |
| 3                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                                                                             | 30                      | 86.7%                                  |
| 4                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                                                                             | 30                      | 80%                                    |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                               |                                                                                                                                                   | 120                     | 90%                                    |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 86.7%                                  |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100%                                   |

The Detailed Radar pattern and Statistical Performance showed in Annex A.



# IEEE 802.11ac VHT40

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                      | Number of Pulses                                                                                  | Number of Trials(Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                       | Roundup $\left\{ \frac{1}{360} \cdot \left( \frac{19 \cdot 10^6}{PRI_{\mu sec}} \right) \right\}$ | 30                      | 93.3%                                  |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μ sec, with a minimum increment of 1 μ sec, excluding PRI values selected in Test A |                                                                                                   |                         |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                         | 23-29                                                                                             | 30                      | 86.7%                                  |
| 3                           | 6-10               | 200-500                                                                                                                                                         | 16-18                                                                                             | 30                      | 90%                                    |
| 4                           | 11-20              | 200-500                                                                                                                                                         | 12-16                                                                                             | 30                      | 93.3%                                  |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                                 |                                                                                                   | 120                     | 90.825%                                |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 86.7%                                  |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100%                                   |

The Detailed Radar pattern and Statistical Performance showed in Annex A.

# IEEE 802.11ac VHT80

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                      | Number of Pulses                                                                                  | Number of Trials(Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                       | Roundup $\left\{ \frac{1}{360} \cdot \left( \frac{19 \cdot 10^6}{PRI_{\mu sec}} \right) \right\}$ | 30                      | 96.7%                                  |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μ sec, with a minimum increment of 1 μ sec, excluding PRI values selected in Test A |                                                                                                   |                         |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                         | 23-29                                                                                             | 30                      | 93.3%                                  |
| 3                           | 6-10               | 200-500                                                                                                                                                         | 16-18                                                                                             | 30                      | 100%                                   |
| 4                           | 11-20              | 200-500                                                                                                                                                         | 12-16                                                                                             | 30                      | 86.7%                                  |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                                 |                                                                                                   | 120                     | 94.175%                                |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 93.3%                                  |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100%                                   |

The Detailed Radar pattern and Statistical Performance showed in Annex A.

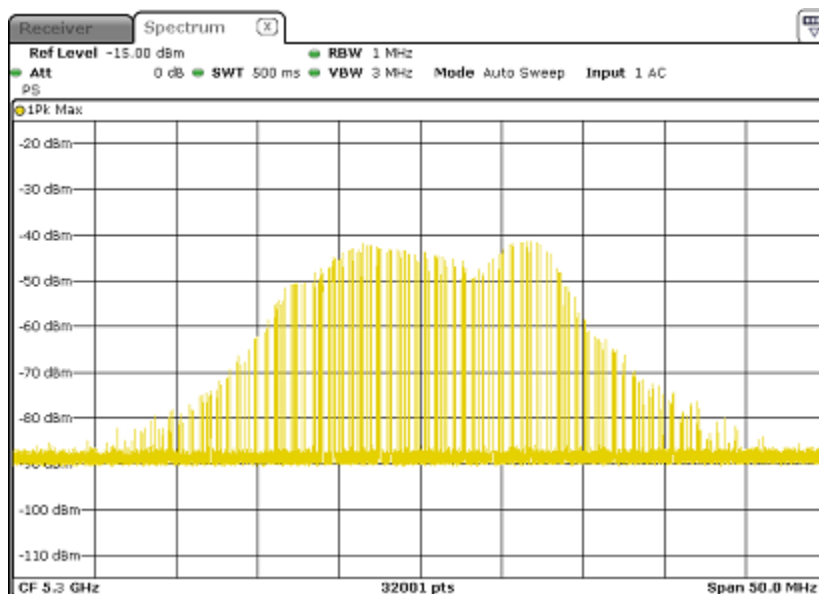
## 6.2.6 Non- Occupancy Period

### Associate test:

During the 30 minutes observation time, EUT did not make any transmissions on a channel after a radar signal was detected on that channel by either the Channel Availability Check or the In-Service Monitoring.

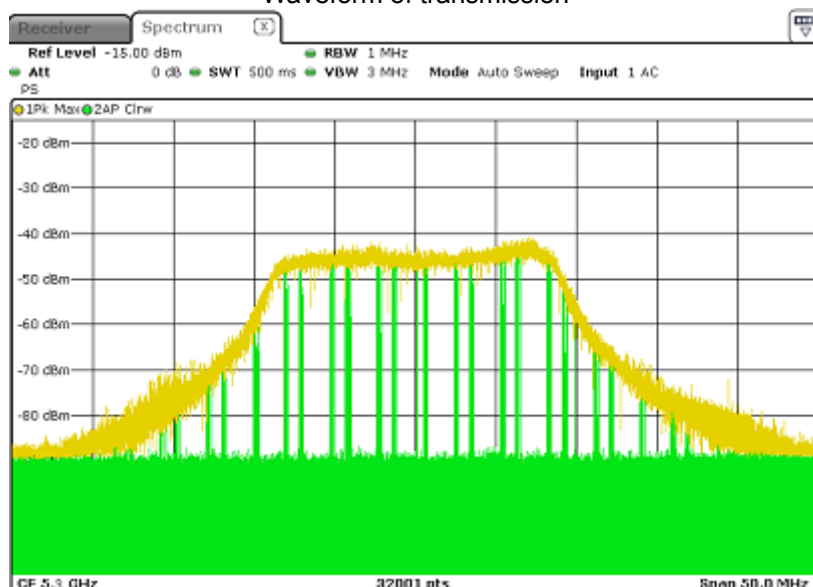
- 1) EUT (Client) links with master on 5300MHz.

Waveform of EUT links up with Master



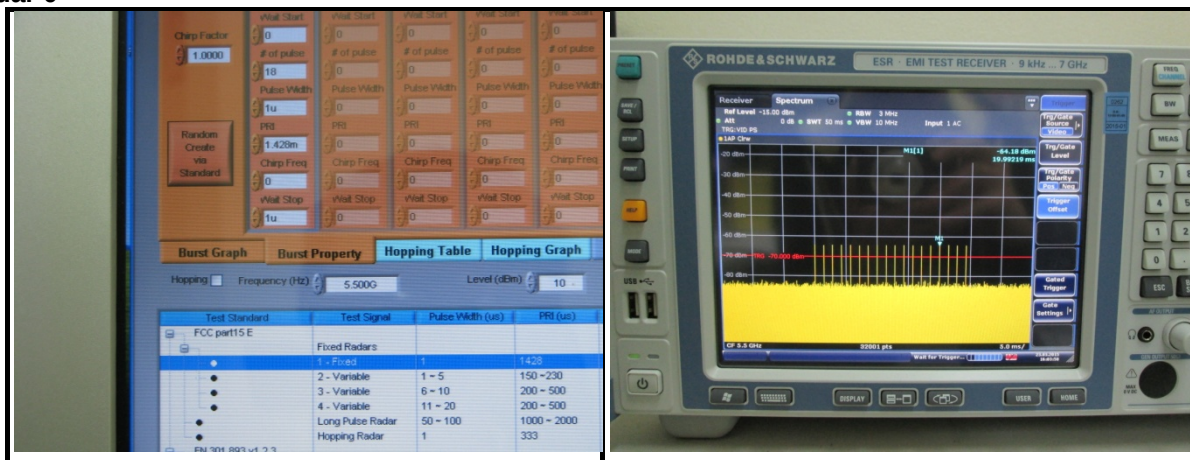
- 2) Client plays specified files via master.

Waveform of transmission



3) Radar signal is applied to the Master device and WiFi traffic signal stop immediately.

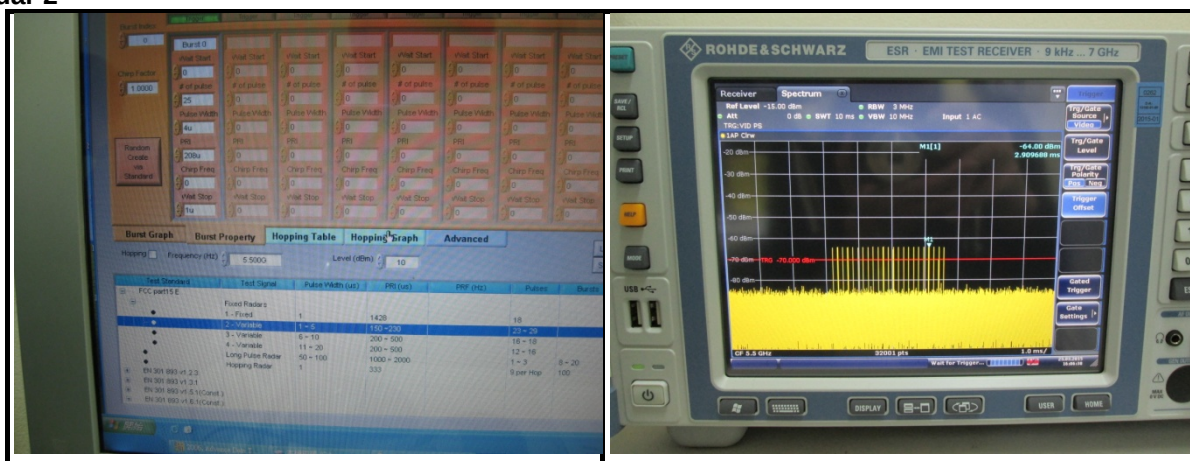
### Radar 0



### Radar 1

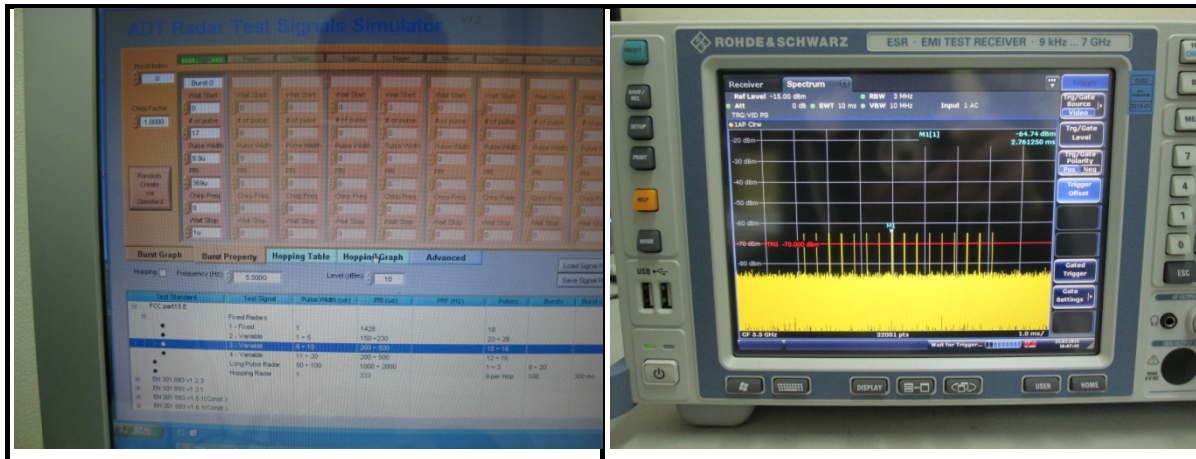


### Radar 2

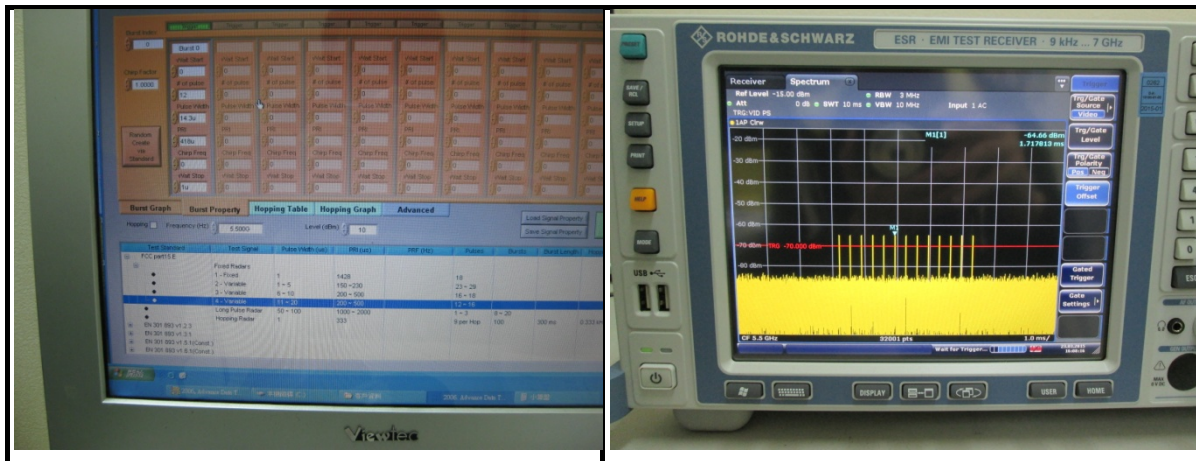




### Radar 3



### Radar 4



### Radar 5



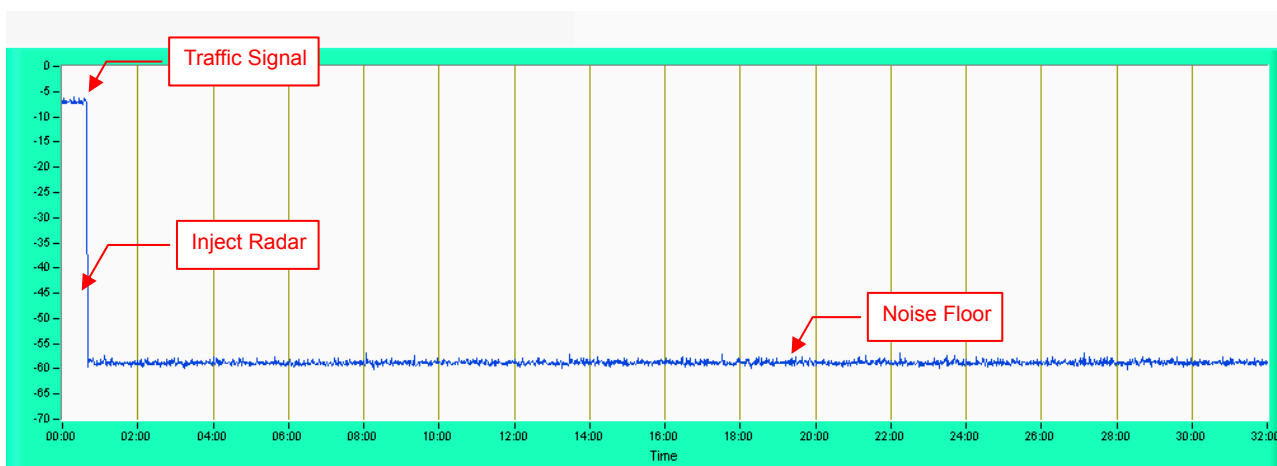
## Radar 6



4) 5300MHz has been monitored in 30 minutes period. In this period, no any transmission occurs.

Plot of 30minutes period

## 802.11ac (VHT20)



**NOTE:** Test setup are shown on Test setup photo.pdf

### 6.2.7 Uniform Spreading

The intention of the uniform spreading is to provide, on aggregate, a uniform loading of the spectrum. The EUT randomly select next output channel without any bias or fixed pattern, so that all channels in DFS bands (5470 MHz to 5725 MHz) will be used equally.

### 6.2.8 Transmit Power Control (TPC)

| TPC | E.I.R.P | FCC 15.407(h)(1)                                                            |
|-----|---------|-----------------------------------------------------------------------------|
| √   | > 500mW | The TPC mechanism is required for system with an E.I.R.P. of above 500mW    |
|     | < 500mW | The TPC mechanism is not required for system with an E.I.R.P. of less 500mW |

### 6.3 Test Results: Client

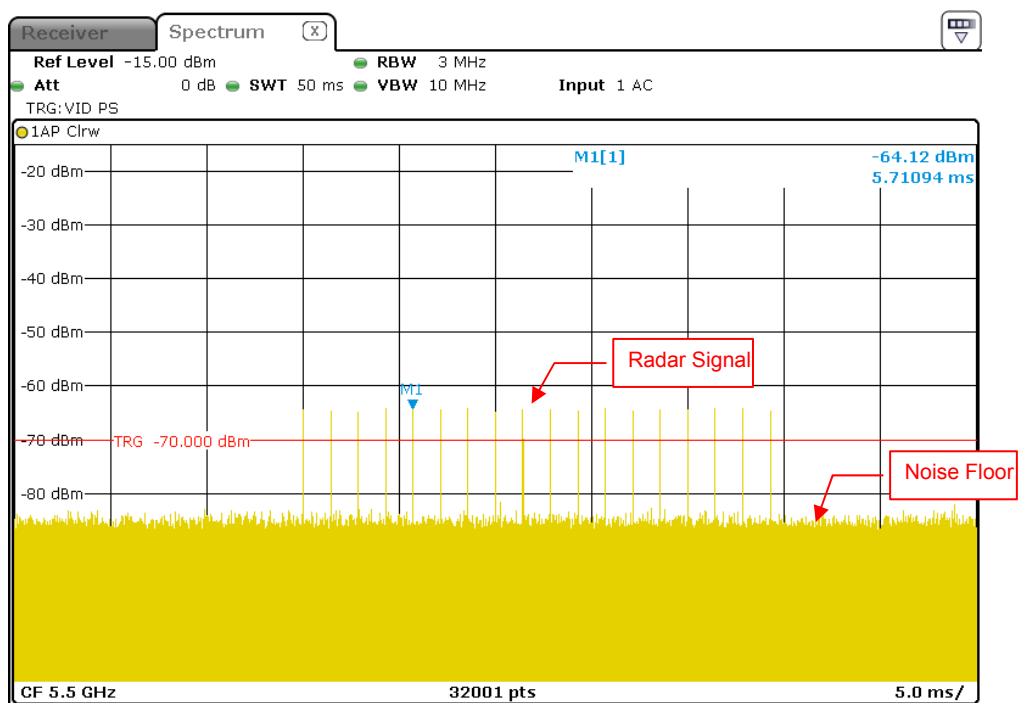
#### 6.3.1 Test Mode: Device operating in Client without radar detection mode

##### Model: RBS50

Client with injection at the Master. (The radar test signals are injected into the Master Device.)

##### DFS Detection Threshold

For a detection threshold level of -64dBm, the required signal strength at EUT antenna location is -64dBm. The tested level is lower than required level hence it provides margin to the limit.



Radar Signal 0

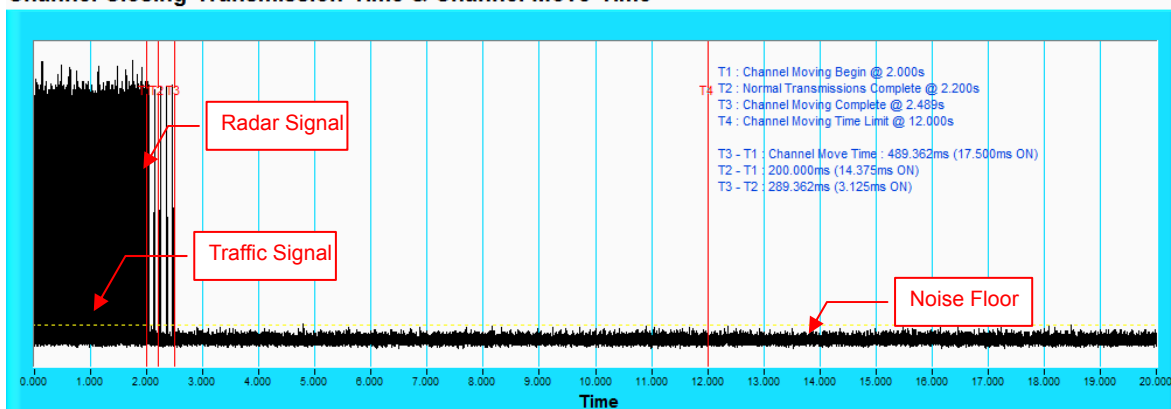


## 6.3.2 Channel Closing Transmission and Channel Move Time

### Radar signal 0

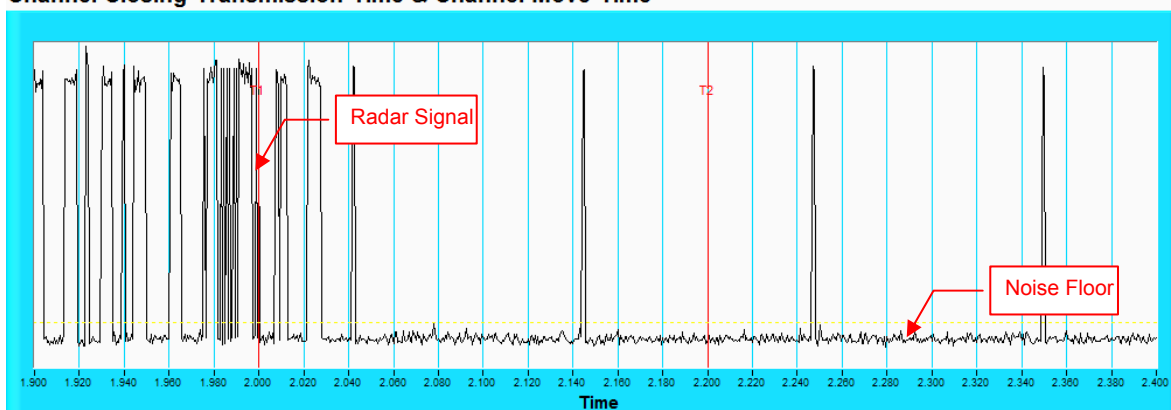
#### 802.11ac VHT20

##### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

##### Channel Closing Transmission Time & Channel Move Time

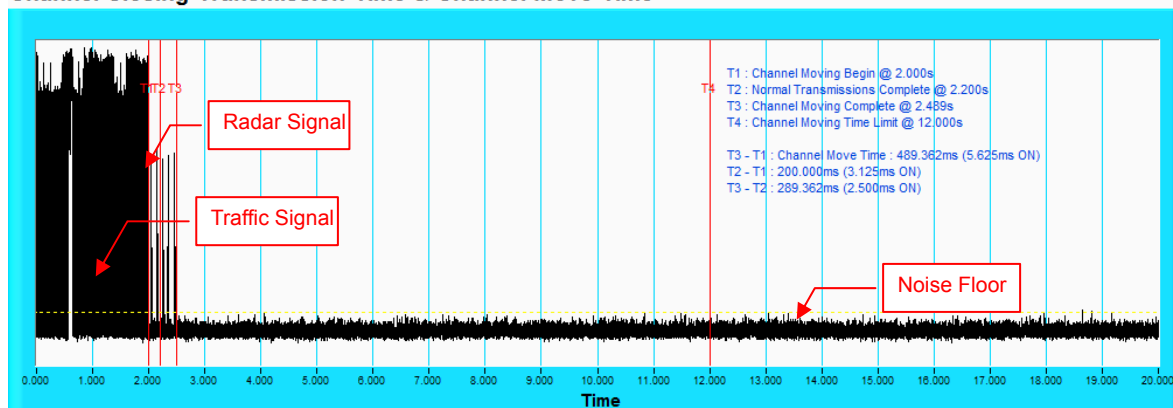


**NOTE:** Zoom-in of the first 500ms after radar signal applied.

## Radar signal 0

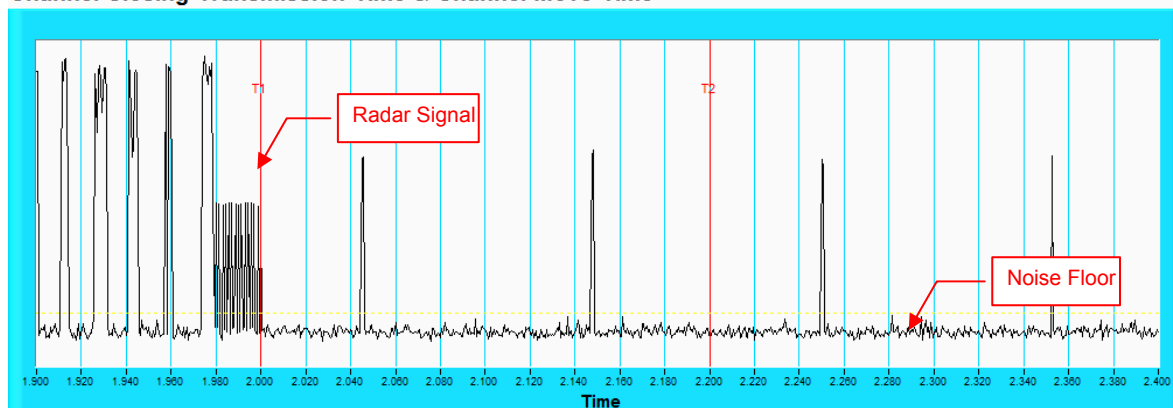
### 802.11ac VHT40

#### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

#### Channel Closing Transmission Time & Channel Move Time

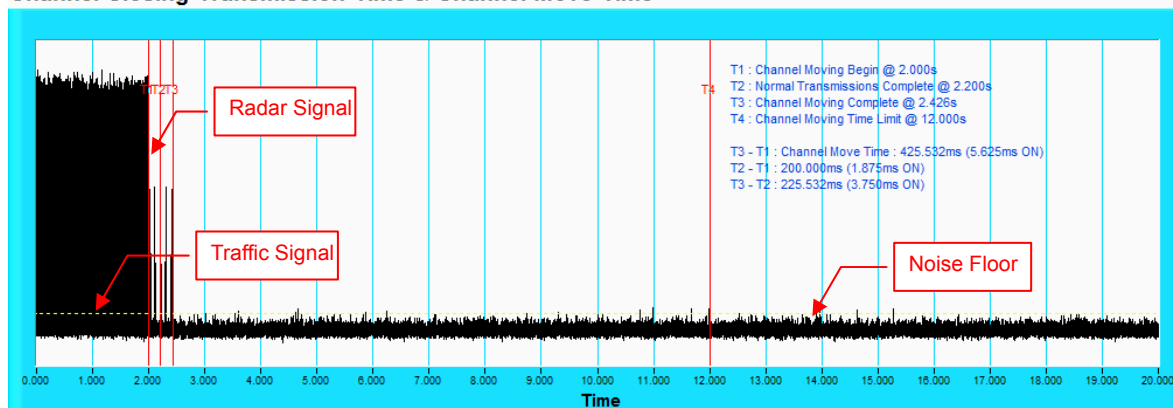


**NOTE:** Zoom-in of the first 500ms after radar signal applied.

## Radar signal 0

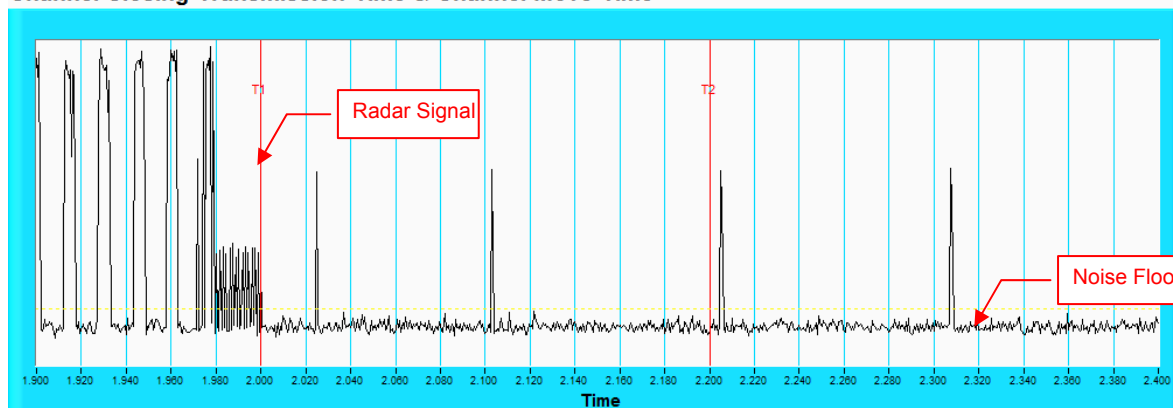
### 802.11ac VHT80

#### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

#### Channel Closing Transmission Time & Channel Move Time



**NOTE:** Zoom-in of the first 500ms after radar signal applied.

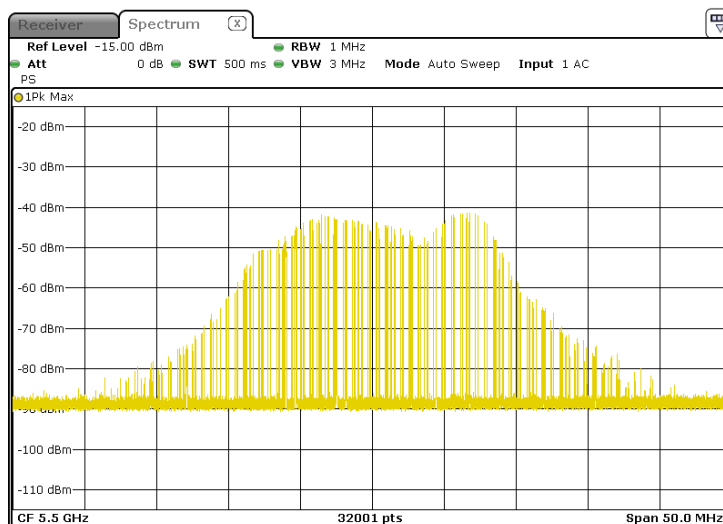
### 6.3.3 Non-Occupancy Period

#### Associate test:

During the 30 minutes observation time, UUT did not make any transmissions on a channel after a radar signal was detected on that channel by either the Channel Availability Check or the In-Service Monitoring.

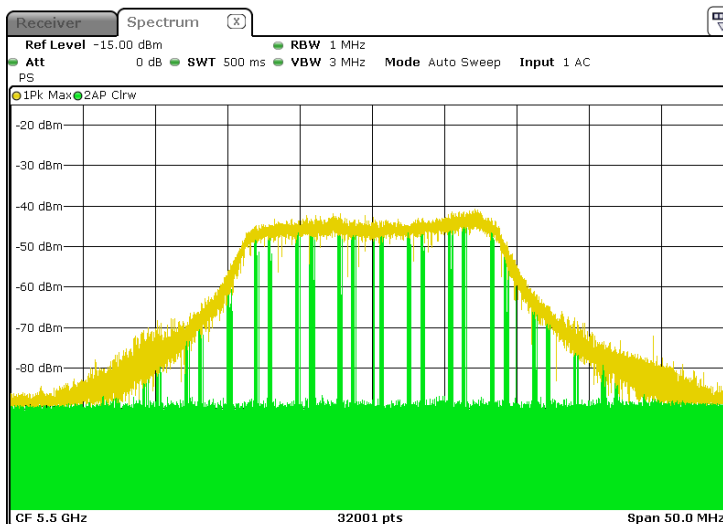
- 1) EUT (Client) links with master on 5500MHz.

Waveform of EUT links up with Master



- 2) Client plays specified files via master.

Waveform of transmission



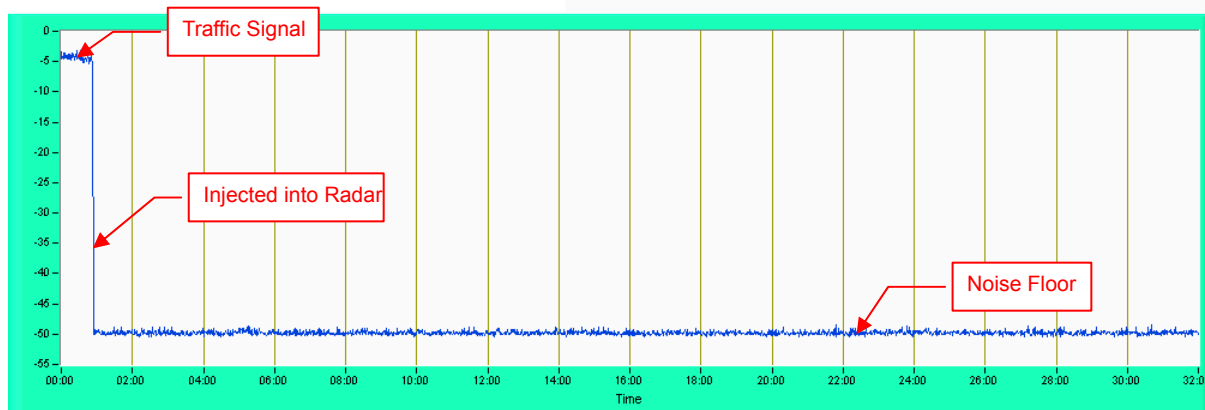
3) Radar signal 0 is applied to the Master device and WiFi traffic signal stop immediately.



4) 5500MHz has been monitored in 30 minutes period. In this period, no any transmission occurs.

Plot of 30minutes period

802.11ac VHT20



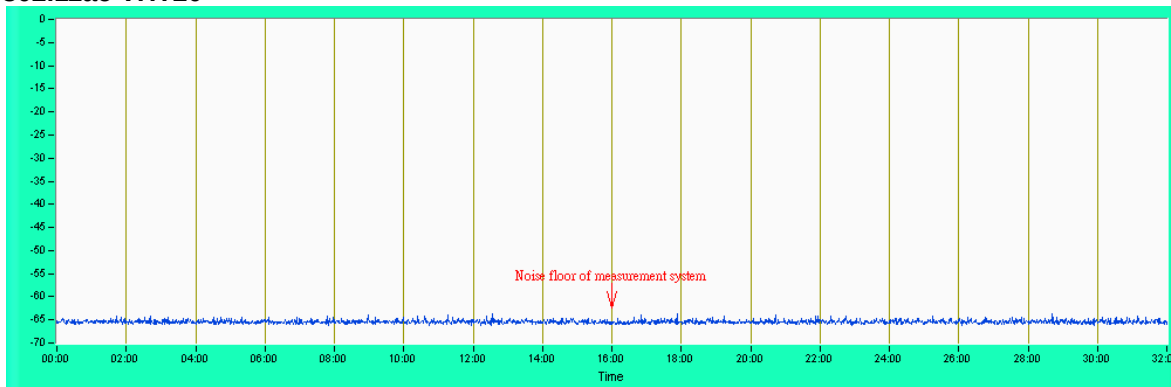
NOTE: Test setup are shown on Test setup photo.pdf

#### 6.3.4 Non-Associated Test

Master was off.

During the 30 minutes observation time, The EUT did not make any transmissions in the DFS band after EUT power up.

#### 802.11ac VHT20



#### 6.3.5 Non-Co-Channel Test

The EUT was investigated after radar was detected the channel and made sure no co-channel operation with radars.

## 7. Information on the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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**Web Site:** [www.bureauveritas-adt.com](http://www.bureauveritas-adt.com)

The address and road map of all our labs can be found in our web site also.

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**Annex-A****For 5250~5350MHz****Model: RBR50****Annex A.1: The Detailed Radar pattern and Statistical Performance****IEEE 802.11ac VHT20**

| Type 1 Radar Statistical Performances |                  |                 |                                   |         |                       |           |
|---------------------------------------|------------------|-----------------|-----------------------------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | Pulse Repetition Frequency Number | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 99               | 1.0u            | 2                                 | 538.0u  | 5291                  | Yes       |
| 2                                     | 95               | 1.0u            | 3                                 | 558.0u  | 5292                  | Yes       |
| 3                                     | 92               | 1.0u            | 4                                 | 578.0u  | 5293                  | Yes       |
| 4                                     | 86               | 1.0u            | 6                                 | 618.0u  | 5294                  | Yes       |
| 5                                     | 83               | 1.0u            | 7                                 | 638.0u  | 5295                  | Yes       |
| 6                                     | 81               | 1.0u            | 8                                 | 658.0u  | 5296                  | Yes       |
| 7                                     | 78               | 1.0u            | 9                                 | 678.0u  | 5297                  | Yes       |
| 8                                     | 76               | 1.0u            | 10                                | 698.0u  | 5298                  | Yes       |
| 9                                     | 74               | 1.0u            | 11                                | 718.0u  | 5299                  | Yes       |
| 10                                    | 67               | 1.0u            | 15                                | 798.0u  | 5300                  | Yes       |
| 11                                    | 63               | 1.0u            | 17                                | 838.0u  | 5301                  | Yes       |
| 12                                    | 62               | 1.0u            | 18                                | 858.0u  | 5302                  | Yes       |
| 13                                    | 61               | 1.0u            | 19                                | 878.0u  | 5303                  | Yes       |
| 14                                    | 59               | 1.0u            | 20                                | 898.0u  | 5304                  | Yes       |
| 15                                    | 58               | 1.0u            | 21                                | 918.0u  | 5305                  | Yes       |
| 16                                    | 66               | 1.0u            | -                                 | 801.0u  | 5306                  | Yes       |
| 17                                    | 59               | 1.0u            | -                                 | 901.0u  | 5307                  | Yes       |
| 18                                    | 63               | 1.0u            | -                                 | 841.0u  | 5308                  | Yes       |
| 19                                    | 39               | 1.0u            | -                                 | 1.365m  | 5309                  | Yes       |
| 20                                    | 69               | 1.0u            | -                                 | 769.0u  | 5307                  | Yes       |
| 21                                    | 63               | 1.0u            | -                                 | 849.0u  | 5305                  | Yes       |
| 22                                    | 57               | 1.0u            | -                                 | 929.0u  | 5303                  | Yes       |
| 23                                    | 56               | 1.0u            | -                                 | 949.0u  | 5302                  | Yes       |
| 24                                    | 69               | 1.0u            | -                                 | 775.0u  | 5300                  | Yes       |
| 25                                    | 65               | 1.0u            | -                                 | 815.0u  | 5298                  | Yes       |
| 26                                    | 61               | 1.0u            | -                                 | 875.0u  | 5296                  | Yes       |
| 27                                    | 59               | 1.0u            | -                                 | 895.0u  | 5294                  | Yes       |
| 28                                    | 58               | 1.0u            | -                                 | 915.0u  | 5293                  | Yes       |
| 29                                    | 57               | 1.0u            | -                                 | 935.0u  | 5292                  | Yes       |
| 30                                    | 19               | 1.0u            | -                                 | 2.853m  | 5291                  | Yes       |
| Detection Rate: 100.0 %               |                  |                 |                                   |         |                       |           |



| Type 2 Radar Statistical Performances |                  |                 |         |                       |                        |
|---------------------------------------|------------------|-----------------|---------|-----------------------|------------------------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection              |
| 1                                     | 23               | 2.3u            | 222.0u  | 5291                  | Yes                    |
| 2                                     | 28               | 1.8u            | 204.0u  | 5292                  | No                     |
| 3                                     | 26               | 1.6u            | 225.0u  | 5293                  | Yes                    |
| 4                                     | 27               | 3.8u            | 168.0u  | 5294                  | Yes                    |
| 5                                     | 27               | 1.1u            | 227.0u  | 5295                  | Yes                    |
| 6                                     | 27               | 2.6u            | 166.0u  | 5296                  | Yes                    |
| 7                                     | 24               | 4.7u            | 161.0u  | 5297                  | Yes                    |
| 8                                     | 28               | 1.9u            | 180.0u  | 5298                  | Yes                    |
| 9                                     | 29               | 1.3u            | 176.0u  | 5299                  | Yes                    |
| 10                                    | 23               | 1.8u            | 170.0u  | 5300                  | Yes                    |
| 11                                    | 29               | 1.4u            | 195.0u  | 5301                  | Yes                    |
| 12                                    | 25               | 3.4u            | 228.0u  | 5302                  | Yes                    |
| 13                                    | 26               | 2.3u            | 206.0u  | 5303                  | Yes                    |
| 14                                    | 27               | 4.5u            | 189.0u  | 5304                  | Yes                    |
| 15                                    | 25               | 3.9u            | 194.0u  | 5302                  | Yes                    |
| 16                                    | 25               | 3.0u            | 154.0u  | 5303                  | Yes                    |
| 17                                    | 23               | 3.6u            | 182.0u  | 5304                  | Yes                    |
| 18                                    | 26               | 3.4u            | 160.0u  | 5305                  | Yes                    |
| 19                                    | 25               | 3.3u            | 229.0u  | 5306                  | Yes                    |
| 20                                    | 23               | 1.9u            | 151.0u  | 5307                  | Yes                    |
| 21                                    | 25               | 1.8u            | 184.0u  | 5308                  | Yes                    |
| 22                                    | 28               | 2.3u            | 229.0u  | 5309                  | Yes                    |
| 23                                    | 29               | 1.1u            | 210.0u  | 5307                  | Yes                    |
| 24                                    | 26               | 2.2u            | 203.0u  | 5305                  | Yes                    |
| 25                                    | 25               | 2.9u            | 222.0u  | 5303                  | Yes                    |
| 26                                    | 28               | 1.4u            | 220.0u  | 5302                  | Yes                    |
| 27                                    | 26               | 1.8u            | 155.0u  | 5300                  | No                     |
| 28                                    | 29               | 3.4u            | 155.0u  | 5298                  | Yes                    |
| 29                                    | 28               | 3.1u            | 204.0u  | 5296                  | Yes                    |
| 30                                    | 26               | 4.4u            | 176.0u  | 5291                  | Yes                    |
|                                       |                  |                 |         |                       | Detection Rate: 93.3 % |

| Type 3 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 18               | 7.8u            | 292.0u  | 5291                  | Yes       |
| 2                                     | 18               | 7.0u            | 366.0u  | 5292                  | No        |
| 3                                     | 18               | 9.2u            | 486.0u  | 5293                  | Yes       |
| 4                                     | 17               | 6.8u            | 216.0u  | 5294                  | Yes       |
| 5                                     | 18               | 7.3u            | 446.0u  | 5295                  | Yes       |
| 6                                     | 16               | 6.6u            | 208.0u  | 5296                  | Yes       |
| 7                                     | 17               | 6.8u            | 347.0u  | 5297                  | Yes       |
| 8                                     | 17               | 9.6u            | 232.0u  | 5298                  | No        |
| 9                                     | 17               | 6.2u            | 364.0u  | 5299                  | Yes       |
| 10                                    | 16               | 7.1u            | 407.0u  | 5300                  | Yes       |
| 11                                    | 18               | 6.6u            | 458.0u  | 5301                  | Yes       |
| 12                                    | 17               | 9.1u            | 226.0u  | 5302                  | Yes       |
| 13                                    | 16               | 6.9u            | 297.0u  | 5303                  | No        |
| 14                                    | 18               | 9.8u            | 463.0u  | 5304                  | Yes       |
| 15                                    | 17               | 6.1u            | 329.0u  | 5302                  | Yes       |
| 16                                    | 17               | 10.0u           | 333.0u  | 5303                  | Yes       |
| 17                                    | 18               | 8.5u            | 399.0u  | 5304                  | Yes       |
| 18                                    | 17               | 8.7u            | 316.0u  | 5305                  | Yes       |
| 19                                    | 16               | 9.9u            | 402.0u  | 5306                  | Yes       |
| 20                                    | 17               | 6.9u            | 446.0u  | 5307                  | Yes       |
| 21                                    | 16               | 6.6u            | 451.0u  | 5308                  | Yes       |
| 22                                    | 16               | 8.2u            | 272.0u  | 5296                  | Yes       |
| 23                                    | 17               | 8.5u            | 395.0u  | 5297                  | Yes       |
| 24                                    | 17               | 8.4u            | 379.0u  | 5298                  | Yes       |
| 25                                    | 16               | 7.4u            | 292.0u  | 5299                  | Yes       |
| 26                                    | 16               | 9.8u            | 489.0u  | 5300                  | Yes       |
| 27                                    | 17               | 7.7u            | 375.0u  | 5301                  | Yes       |
| 28                                    | 16               | 7.7u            | 297.0u  | 5302                  | Yes       |
| 29                                    | 18               | 9.2u            | 347.0u  | 5303                  | Yes       |
| 30                                    | 16               | 6.9u            | 415.0u  | 5291                  | No        |
| Detection Rate: 86.7 %                |                  |                 |         |                       |           |

| Type 4 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 14               | 18.2u           | 402.0u  | 5291                  | Yes       |
| 2                                     | 13               | 14.5u           | 226.0u  | 5292                  | No        |
| 3                                     | 15               | 13.7u           | 340.0u  | 5293                  | Yes       |
| 4                                     | 16               | 12.2u           | 469.0u  | 5294                  | Yes       |
| 5                                     | 12               | 14.6u           | 220.0u  | 5295                  | Yes       |
| 6                                     | 15               | 17.0u           | 370.0u  | 5296                  | Yes       |
| 7                                     | 15               | 11.4u           | 458.0u  | 5297                  | Yes       |
| 8                                     | 13               | 11.6u           | 487.0u  | 5298                  | Yes       |
| 9                                     | 16               | 16.2u           | 202.0u  | 5299                  | Yes       |
| 10                                    | 15               | 19.8u           | 363.0u  | 5300                  | Yes       |
| 11                                    | 14               | 11.8u           | 424.0u  | 5301                  | Yes       |
| 12                                    | 14               | 18.0u           | 407.0u  | 5302                  | No        |
| 13                                    | 16               | 17.8u           | 256.0u  | 5303                  | No        |
| 14                                    | 16               | 13.1u           | 420.0u  | 5304                  | Yes       |
| 15                                    | 13               | 18.6u           | 243.0u  | 5302                  | Yes       |
| 16                                    | 14               | 13.4u           | 284.0u  | 5303                  | Yes       |
| 17                                    | 12               | 17.7u           | 410.0u  | 5304                  | Yes       |
| 18                                    | 15               | 19.3u           | 234.0u  | 5305                  | No        |
| 19                                    | 14               | 11.9u           | 411.0u  | 5306                  | Yes       |
| 20                                    | 16               | 13.4u           | 420.0u  | 5307                  | Yes       |
| 21                                    | 14               | 19.2u           | 235.0u  | 5308                  | No        |
| 22                                    | 14               | 15.2u           | 406.0u  | 5295                  | Yes       |
| 23                                    | 15               | 18.7u           | 408.0u  | 5296                  | Yes       |
| 24                                    | 13               | 16.1u           | 366.0u  | 5297                  | Yes       |
| 25                                    | 13               | 11.3u           | 369.0u  | 5298                  | Yes       |
| 26                                    | 14               | 17.1u           | 284.0u  | 5299                  | Yes       |
| 27                                    | 13               | 13.5u           | 495.0u  | 5300                  | Yes       |
| 28                                    | 15               | 16.8u           | 424.0u  | 5301                  | Yes       |
| 29                                    | 14               | 16.3u           | 322.0u  | 5302                  | Yes       |
| 30                                    | 13               | 13.0u           | 314.0u  | 5291                  | No        |
| Detection Rate: 80.0 %                |                  |                 |         |                       |           |

| Type 5 Radar Statistical Performances |                  |                        |
|---------------------------------------|------------------|------------------------|
| Trial #                               | Test Signal Name | Detection              |
| 1                                     | LP_Signal_01     | Yes                    |
| 2                                     | LP_Signal_02     | Yes                    |
| 3                                     | LP_Signal_03     | Yes                    |
| 4                                     | LP_Signal_04     | No                     |
| 5                                     | LP_Signal_05     | Yes                    |
| 6                                     | LP_Signal_06     | Yes                    |
| 7                                     | LP_Signal_07     | Yes                    |
| 8                                     | LP_Signal_08     | Yes                    |
| 9                                     | LP_Signal_09     | Yes                    |
| 10                                    | LP_Signal_10     | Yes                    |
| 11                                    | LP_Signal_11     | No                     |
| 12                                    | LP_Signal_12     | Yes                    |
| 13                                    | LP_Signal_13     | Yes                    |
| 14                                    | LP_Signal_14     | Yes                    |
| 15                                    | LP_Signal_15     | Yes                    |
| 16                                    | LP_Signal_16     | Yes                    |
| 17                                    | LP_Signal_17     | Yes                    |
| 18                                    | LP_Signal_18     | No                     |
| 19                                    | LP_Signal_19     | Yes                    |
| 20                                    | LP_Signal_20     | Yes                    |
| 21                                    | LP_Signal_21     | Yes                    |
| 22                                    | LP_Signal_22     | Yes                    |
| 23                                    | LP_Signal_23     | Yes                    |
| 24                                    | LP_Signal_24     | Yes                    |
| 25                                    | LP_Signal_25     | Yes                    |
| 26                                    | LP_Signal_26     | Yes                    |
| 27                                    | LP_Signal_27     | No                     |
| 28                                    | LP_Signal_28     | Yes                    |
| 29                                    | LP_Signal_29     | Yes                    |
| 30                                    | LP_Signal_30     | Yes                    |
|                                       |                  | Detection Rate: 86.7 % |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_01  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5293MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 5M            | 59.2u              | -                           | -                           | 243.0m                |
| 2                               | 2                   | 5M            | 94.5u              | 1.834m                      | -                           | 299.3m                |
| 3                               | 2                   | 5M            | 95.4u              | 1.641m                      | -                           | 566.0m                |
| 4                               | 3                   | 5M            | 59.5u              | 1.313m                      | 1.332m                      | 354.8m                |
| 5                               | 2                   | 5M            | 62.1u              | 1.158m                      | -                           | 618.4m                |
| 6                               | 3                   | 5M            | 73.9u              | 1.671m                      | 1.534m                      | 629.7m                |
| 7                               | 2                   | 5M            | 50.4u              | 1.155m                      | -                           | 384.7m                |
| 8                               | 3                   | 5M            | 62.7u              | 1.675m                      | 1.571m                      | 94.54m                |
| 9                               | 1                   | 5M            | 52.4u              | -                           | -                           | 45.93m                |
| 10                              | 3                   | 5M            | 55.9u              | 1.743m                      | 1.537m                      | 37.45m                |
| 11                              | 2                   | 5M            | 62.1u              | 1.725m                      | -                           | 173.9m                |
| 12                              | 3                   | 5M            | 65.1u              | 1.567m                      | 1.369m                      | 549.6m                |
| 13                              | 3                   | 5M            | 80.3u              | 1.548m                      | 1.117m                      | 530.8m                |
| 14                              | 2                   | 5M            | 85.5u              | 1.063m                      | -                           | 265.8m                |
| 15                              | 3                   | 5M            | 54.7u              | 1.134m                      | 1.657m                      | 49.43m                |
| 16                              | 2                   | 5M            | 85.8u              | 1.450m                      | -                           | 382.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_02  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 11   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5293MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 5M            | 77.4u              | 928.6u                      | 1.433m                      | 748.0m                |
| 2                               | 2                   | 5M            | 76.8u              | 1.792m                      | -                           | 106.4m                |
| 3                               | 2                   | 5M            | 80.6u              | 1.265m                      | -                           | 687.9m                |
| 4                               | 3                   | 5M            | 91.4u              | 1.357m                      | 1.842m                      | 327.9m                |
| 5                               | 3                   | 5M            | 90.0u              | 1.712m                      | 1.217m                      | 846.9m                |
| 6                               | 2                   | 5M            | 64.2u              | 1.792m                      | -                           | 764.9m                |
| 7                               | 2                   | 5M            | 97.3u              | 1.153m                      | -                           | 266.8m                |
| 8                               | 2                   | 5M            | 52.9u              | 952.1u                      | -                           | 132.9m                |
| 9                               | 3                   | 5M            | 95.0u              | 1.657m                      | 1.029m                      | 423.4m                |
| 10                              | 2                   | 5M            | 87.7u              | 1.304m                      | -                           | 303.7m                |
| 11                              | 3                   | 5M            | 69.8u              | 1.737m                      | 1.511m                      | 612.5m                |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_03

Number of Bursts in Trial: 16

Chrip Center Frequency: 5293MHz

| Burst | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
|-------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| 1     | 3                   | 6M            | 58.3u              | 1.169m                      | 1.228m                      | 212.0m                |
| 2     | 1                   | 6M            | 67.9u              | -                           | -                           | 683.3m                |
| 3     | 2                   | 6M            | 76.5u              | 1.176m                      | -                           | 683.9m                |
| 4     | 2                   | 6M            | 54.8u              | 1.298m                      | -                           | 490.2m                |
| 5     | 3                   | 6M            | 79.2u              | 1.024m                      | 1.835m                      | 160.4m                |
| 6     | 2                   | 6M            | 89.3u              | 1.805m                      | -                           | 653.3m                |
| 7     | 1                   | 6M            | 77.2u              | -                           | -                           | 73.40m                |
| 8     | 3                   | 6M            | 89.4u              | 1.249m                      | 1.228m                      | 589.4m                |
| 9     | 3                   | 6M            | 97.7u              | 1.549m                      | 1.052m                      | 484.7m                |
| 10    | 3                   | 6M            | 99.5u              | 1.824m                      | 1.045m                      | 490.8m                |
| 11    | 2                   | 6M            | 62.4u              | 1.758m                      | -                           | 48.28m                |
| 12    | 2                   | 6M            | 99.1u              | 1.202m                      | -                           | 270.9m                |
| 13    | 3                   | 6M            | 92.6u              | 1.079m                      | 1.569m                      | 227.5m                |
| 14    | 2                   | 6M            | 87.4u              | 1.359m                      | -                           | 577.4m                |
| 15    | 1                   | 6M            | 81.1u              | -                           | -                           | 371.3m                |
| 16    | 3                   | 6M            | 50.5u              | 1.117m                      | 996.5u                      | 19.19m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_04  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 15   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5293MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 6M            | 68.7u              | -                           | -                           | 13.44m                |
| 2                               | 1                   | 6M            | 92.8u              | -                           | -                           | 618.8m                |
| 3                               | 2                   | 6M            | 73.7u              | 1.459m                      | -                           | 424.4m                |
| 4                               | 2                   | 6M            | 97.6u              | 1.294m                      | -                           | 736.2m                |
| 5                               | 1                   | 6M            | 93.2u              | -                           | -                           | 795.7m                |
| 6                               | 2                   | 6M            | 97.1u              | 1.871m                      | -                           | 787.0m                |
| 7                               | 2                   | 6M            | 89.4u              | 948.6u                      | -                           | 601.5m                |
| 8                               | 2                   | 6M            | 92.5u              | 922.5u                      | -                           | 499.5m                |
| 9                               | 2                   | 6M            | 94.8u              | 1.066m                      | -                           | 562.5m                |
| 10                              | 2                   | 6M            | 78.1u              | 1.629m                      | -                           | 68.89m                |
| 11                              | 1                   | 6M            | 88.1u              | -                           | -                           | 749.7m                |
| 12                              | 3                   | 6M            | 98.0u              | 1.708m                      | 999.0u                      | 541.0m                |
| 13                              | 2                   | 6M            | 74.6u              | 1.001m                      | -                           | 9.908m                |
| 14                              | 1                   | 6M            | 80.3u              | -                           | -                           | 107.8m                |
| 15                              | 1                   | 6M            | 66.7u              | -                           | -                           | 643.2m                |



| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_05  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 10   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5293MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 2                | 7M         | 55.6u           | 1.308m                   | -                        | 946.0m             |
| 2                               | 2                | 7M         | 90.3u           | 1.109m                   | -                        | 586.0m             |
| 3                               | 3                | 7M         | 75.1u           | 1.179m                   | 1.124m                   | 427.1m             |
| 4                               | 3                | 7M         | 86.1u           | 1.371m                   | 1.270m                   | 375.9m             |
| 5                               | 2                | 7M         | 89.1u           | 1.058m                   | -                        | 615.5m             |
| 6                               | 2                | 7M         | 76.9u           | 1.774m                   | -                        | 247.3m             |
| 7                               | 2                | 7M         | 64.3u           | 1.929m                   | -                        | 1.055              |
| 8                               | 3                | 7M         | 61.7u           | 1.387m                   | 1.721m                   | 167.4m             |
| 9                               | 2                | 7M         | 95.7u           | 1.831m                   | -                        | 305.4m             |
| 10                              | 3                | 7M         | 84.7u           | 1.764m                   | 1.195m                   | 294.9m             |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_06  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 14   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5293MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 3                | 7M         | 61.1u           | 1.316m                   | 1.353m                   | 376.4m             |
| 2                               | 2                | 7M         | 69.8u           | 1.577m                   | -                        | 775.8m             |
| 3                               | 3                | 7M         | 83.7u           | 1.741m                   | 1.014m                   | 812.2m             |
| 4                               | 3                | 7M         | 93.6u           | 933.4u                   | 990.4u                   | 456.3m             |
| 5                               | 1                | 7M         | 88.6u           | -                        | -                        | 210.5m             |
| 6                               | 1                | 7M         | 71.2u           | -                        | -                        | 415.3m             |
| 7                               | 2                | 7M         | 64.3u           | 1.046m                   | -                        | 215.6m             |
| 8                               | 1                | 7M         | 67.5u           | -                        | -                        | 630.2m             |
| 9                               | 1                | 7M         | 66.7u           | -                        | -                        | 332.1m             |
| 10                              | 1                | 7M         | 73.9u           | -                        | -                        | 254.5m             |
| 11                              | 2                | 7M         | 68.8u           | 1.006m                   | -                        | 808.5m             |
| 12                              | 2                | 7M         | 51.4u           | 1.834m                   | -                        | 352.5m             |
| 13                              | 2                | 7M         | 60.3u           | 1.317m                   | -                        | 643.1m             |
| 14                              | 1                | 7M         | 84.8u           | -                        | -                        | 743.2m             |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_07  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 13   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5297MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 1                | 15M        | 58.8u           | -                        | -                        | 24.59m             |
| 2                               | 2                | 15M        | 70.7u           | 1.396m                   | -                        | 679.2m             |
| 3                               | 2                | 15M        | 73.6u           | 1.819m                   | -                        | 117.6m             |
| 4                               | 2                | 15M        | 61.6u           | 1.469m                   | -                        | 619.5m             |
| 5                               | 2                | 15M        | 94.1u           | 1.818m                   | -                        | 334.8m             |
| 6                               | 2                | 15M        | 75.1u           | 1.779m                   | -                        | 356.5m             |
| 7                               | 2                | 15M        | 72.8u           | 1.892m                   | -                        | 109.8m             |
| 8                               | 1                | 15M        | 60.6u           | -                        | -                        | 347.6m             |
| 9                               | 1                | 15M        | 78.3u           | -                        | -                        | 296.3m             |
| 10                              | 1                | 15M        | 92.8u           | -                        | -                        | 611.0m             |
| 11                              | 2                | 15M        | 87.0u           | 1.901m                   | -                        | 64.79m             |
| 12                              | 2                | 15M        | 98.1u           | 1.888m                   | -                        | 304.4m             |
| 13                              | 2                | 15M        | 53.2u           | 1.031m                   | -                        | 667.8m             |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_08  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 8    |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5297MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 3                | 15M        | 86.3u           | 1.743m                   | 985.7u                   | 297.0m             |
| 2                               | 1                | 15M        | 66.0u           | -                        | -                        | 1.473              |
| 3                               | 3                | 15M        | 67.9u           | 1.531m                   | 1.717m                   | 438.4m             |
| 4                               | 3                | 15M        | 86.6u           | 1.433m                   | 1.491m                   | 650.2m             |
| 5                               | 2                | 15M        | 59.3u           | 1.648m                   | -                        | 773.9m             |
| 6                               | 2                | 15M        | 60.7u           | 1.384m                   | -                        | 278.3m             |
| 7                               | 2                | 15M        | 58.5u           | 1.114m                   | -                        | 1.321              |
| 8                               | 2                | 15M        | 88.9u           | 920.1u                   | -                        | 360.9m             |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_09  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5299MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 80.2u              | 1.739m                      | -                           | 720.6m                |
| 2                               | 3                   | 20M           | 50.1u              | 1.816m                      | 1.933m                      | 558.9m                |
| 3                               | 1                   | 20M           | 96.2u              | -                           | -                           | 211.8m                |
| 4                               | 3                   | 20M           | 72.6u              | 1.275m                      | 1.410m                      | 628.1m                |
| 5                               | 2                   | 20M           | 92.6u              | 1.262m                      | -                           | 295.1m                |
| 6                               | 2                   | 20M           | 70.1u              | 1.814m                      | -                           | 404.0m                |
| 7                               | 2                   | 20M           | 96.2u              | 1.463m                      | -                           | 89.45m                |
| 8                               | 2                   | 20M           | 78.6u              | 1.436m                      | -                           | 275.4m                |
| 9                               | 2                   | 20M           | 85.9u              | 1.077m                      | -                           | 726.5m                |
| 10                              | 3                   | 20M           | 86.3u              | 1.689m                      | 1.395m                      | 279.8m                |
| 11                              | 1                   | 20M           | 88.0u              | -                           | -                           | 142.6m                |
| 12                              | 3                   | 20M           | 58.3u              | 1.051m                      | 995.7u                      | 248.6m                |
| 13                              | 2                   | 20M           | 95.3u              | 1.642m                      | -                           | 392.4m                |
| 14                              | 3                   | 20M           | 93.1u              | 1.100m                      | 1.481m                      | 639.1m                |
| 15                              | 1                   | 20M           | 96.7u              | -                           | -                           | 614.9m                |
| 16                              | 2                   | 20M           | 67.1u              | 1.370m                      | -                           | 471.2m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_10  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5299MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 98.6u              | 1.198m                      | -                           | 344.9m                |
| 2                               | 2                   | 20M           | 57.6u              | 961.4u                      | -                           | 641.7m                |
| 3                               | 1                   | 20M           | 56.4u              | -                           | -                           | 308.8m                |
| 4                               | 1                   | 20M           | 81.4u              | -                           | -                           | 180.2m                |
| 5                               | 1                   | 20M           | 61.8u              | -                           | -                           | 297.7m                |
| 6                               | 2                   | 20M           | 90.4u              | 1.563m                      | -                           | 282.9m                |
| 7                               | 3                   | 20M           | 68.8u              | 1.515m                      | 1.370m                      | 37.46m                |
| 8                               | 1                   | 20M           | 73.9u              | -                           | -                           | 475.8m                |
| 9                               | 2                   | 20M           | 68.4u              | 1.684m                      | -                           | 117.5m                |
| 10                              | 3                   | 20M           | 95.4u              | 1.490m                      | 1.735m                      | 155.9m                |
| 11                              | 1                   | 20M           | 70.9u              | -                           | -                           | 253.8m                |
| 12                              | 1                   | 20M           | 94.7u              | -                           | -                           | 356.0m                |
| 13                              | 3                   | 20M           | 76.9u              | 1.750m                      | 1.203m                      | 56.37m                |
| 14                              | 3                   | 20M           | 80.6u              | 1.024m                      | 1.881m                      | 588.3m                |
| 15                              | 2                   | 20M           | 87.2u              | 1.015m                      | -                           | 223.6m                |
| 16                              | 2                   | 20M           | 85.9u              | 1.898m                      | -                           | 380.5m                |
| 17                              | 1                   | 20M           | 62.9u              | -                           | -                           | 127.1m                |
| 18                              | 2                   | 20M           | 96.3u              | 1.532m                      | -                           | 541.3m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_11  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5300MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 6M            | 74.4u              | -                           | -                           | 870.4m                |
| 2                               | 2                   | 6M            | 73.0u              | 1.799m                      | -                           | 254.4m                |
| 3                               | 1                   | 6M            | 69.1u              | -                           | -                           | 695.0m                |
| 4                               | 2                   | 6M            | 80.4u              | 1.729m                      | -                           | 818.0m                |
| 5                               | 2                   | 6M            | 80.1u              | 1.222m                      | -                           | 775.0m                |
| 6                               | 3                   | 6M            | 61.6u              | 1.022m                      | 1.568m                      | 773.7m                |
| 7                               | 2                   | 6M            | 72.5u              | 1.562m                      | -                           | 260.7m                |
| 8                               | 3                   | 6M            | 69.9u              | 1.863m                      | 1.712m                      | 187.4m                |
| 9                               | 2                   | 6M            | 98.9u              | 1.750m                      | -                           | 407.2m                |
| 10                              | 1                   | 6M            | 86.5u              | -                           | -                           | 242.1m                |
| 11                              | 2                   | 6M            | 67.5u              | 1.178m                      | -                           | 608.3m                |
| 12                              | 3                   | 6M            | 85.8u              | 1.665m                      | 1.754m                      | 944.7m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_12  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5300MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 6M            | 63.2u              | -                           | -                           | 639.7m                |
| 2                               | 3                   | 6M            | 51.2u              | 1.477m                      | 1.835m                      | 678.8m                |
| 3                               | 3                   | 6M            | 64.0u              | 1.440m                      | 1.154m                      | 534.7m                |
| 4                               | 2                   | 6M            | 70.2u              | 1.135m                      | -                           | 1.023                 |
| 5                               | 2                   | 6M            | 82.2u              | 1.368m                      | -                           | 565.5m                |
| 6                               | 2                   | 6M            | 90.8u              | 1.524m                      | -                           | 59.60m                |
| 7                               | 2                   | 6M            | 61.5u              | 985.5u                      | -                           | 1.004                 |
| 8                               | 1                   | 6M            | 52.3u              | -                           | -                           | 775.3m                |
| 9                               | 3                   | 6M            | 75.8u              | 1.274m                      | 1.399m                      | 123.2m                |
| 10                              | 1                   | 6M            | 83.4u              | -                           | -                           | 1.109                 |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_13  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 8    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5300MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 11M           | 84.4u              | 1.421m                      | -                           | 801.3m                |
| 2                               | 3                   | 11M           | 70.4u              | 1.837m                      | 1.413m                      | 694.8m                |
| 3                               | 1                   | 11M           | 56.8u              | -                           | -                           | 852.3m                |
| 4                               | 2                   | 11M           | 88.3u              | 1.609m                      | -                           | 214.6m                |
| 5                               | 3                   | 11M           | 63.4u              | 1.206m                      | 1.734m                      | 788.8m                |
| 6                               | 3                   | 11M           | 66.9u              | 942.1u                      | 1.551m                      | 502.0m                |
| 7                               | 3                   | 11M           | 67.8u              | 938.2u                      | 1.580m                      | 404.8m                |
| 8                               | 2                   | 11M           | 68.5u              | 1.233m                      | -                           | 191.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_14  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5300MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 11M           | 83.2u              | -                           | -                           | 45.94m                |
| 2                               | 2                   | 11M           | 64.2u              | 1.124m                      | -                           | 371.8m                |
| 3                               | 2                   | 11M           | 93.6u              | 1.066m                      | -                           | 35.45m                |
| 4                               | 2                   | 11M           | 81.4u              | 1.900m                      | -                           | 379.4m                |
| 5                               | 2                   | 11M           | 72.5u              | 1.373m                      | -                           | 425.9m                |
| 6                               | 2                   | 11M           | 63.2u              | 1.827m                      | -                           | 395.1m                |
| 7                               | 3                   | 11M           | 78.0u              | 1.366m                      | 1.019m                      | 157.6m                |
| 8                               | 1                   | 11M           | 70.4u              | -                           | -                           | 237.3m                |
| 9                               | 3                   | 11M           | 62.4u              | 1.269m                      | 1.701m                      | 582.7m                |
| 10                              | 1                   | 11M           | 85.8u              | -                           | -                           | 223.0m                |
| 11                              | 3                   | 11M           | 57.4u              | 1.075m                      | 1.909m                      | 626.8m                |
| 12                              | 2                   | 11M           | 66.5u              | 1.637m                      | -                           | 578.6m                |
| 13                              | 3                   | 11M           | 52.8u              | 1.165m                      | 1.623m                      | 626.6m                |
| 14                              | 3                   | 11M           | 51.0u              | 1.021m                      | 1.068m                      | 482.0m                |
| 15                              | 1                   | 11M           | 52.0u              | -                           | -                           | 471.8m                |
| 16                              | 2                   | 11M           | 72.0u              | 1.694m                      | -                           | 284.8m                |
| 17                              | 2                   | 11M           | 58.9u              | 1.920m                      | -                           | 155.7m                |
| 18                              | 3                   | 11M           | 84.2u              | 1.879m                      | 1.077m                      | 352.7m                |
| 19                              | 2                   | 11M           | 51.5u              | 1.504m                      | -                           | 605.5m                |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_15

Number of Bursts in Trial: 11

Chrip Center Frequency: 5300MHz

| Burst | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
|-------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| 1     | 2                   | 16M           | 60.9u              | 1.685m                      | -                           | 1.030                 |
| 2     | 2                   | 16M           | 86.8u              | 1.363m                      | -                           | 1.069                 |
| 3     | 2                   | 16M           | 95.4u              | 1.521m                      | -                           | 296.1m                |
| 4     | 3                   | 16M           | 73.5u              | 1.628m                      | 1.226m                      | 377.5m                |
| 5     | 2                   | 16M           | 67.5u              | 1.036m                      | -                           | 644.9m                |
| 6     | 3                   | 16M           | 65.5u              | 1.798m                      | 1.561m                      | 766.1m                |
| 7     | 3                   | 16M           | 95.9u              | 1.094m                      | 1.242m                      | 537.2m                |
| 8     | 2                   | 16M           | 96.2u              | 1.578m                      | -                           | 172.3m                |
| 9     | 2                   | 16M           | 90.4u              | 1.274m                      | -                           | 256.1m                |
| 10    | 2                   | 16M           | 90.1u              | 1.319m                      | -                           | 842.4m                |
| 11    | 2                   | 16M           | 59.3u              | 1.600m                      | -                           | 728.8m                |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_16  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5300MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 16M           | 53.9u              | -                           | -                           | 653.0m                |
| 2                               | 3                   | 16M           | 87.4u              | 1.140m                      | 1.207m                      | 109.0m                |
| 3                               | 2                   | 16M           | 56.0u              | 1.104m                      | -                           | 462.3m                |
| 4                               | 2                   | 16M           | 62.5u              | 1.625m                      | -                           | 704.3m                |
| 5                               | 2                   | 16M           | 66.7u              | 1.202m                      | -                           | 296.4m                |
| 6                               | 2                   | 16M           | 65.6u              | 1.571m                      | -                           | 169.5m                |
| 7                               | 2                   | 16M           | 65.2u              | 1.889m                      | -                           | 703.7m                |
| 8                               | 1                   | 16M           | 67.4u              | -                           | -                           | 78.58m                |
| 9                               | 3                   | 16M           | 70.1u              | 1.820m                      | 1.460m                      | 419.9m                |
| 10                              | 2                   | 16M           | 62.3u              | 1.636m                      | -                           | 7.821m                |
| 11                              | 3                   | 16M           | 79.8u              | 1.442m                      | 1.551m                      | 384.2m                |
| 12                              | 1                   | 16M           | 81.4u              | -                           | -                           | 378.9m                |
| 13                              | 2                   | 16M           | 75.0u              | 1.336m                      | -                           | 742.0m                |
| 14                              | 2                   | 16M           | 74.3u              | 1.487m                      | -                           | 726.4m                |
| 15                              | 3                   | 16M           | 88.8u              | 1.772m                      | 1.153m                      | 168.4m                |
| 16                              | 3                   | 16M           | 67.7u              | 1.248m                      | 1.211m                      | 647.3m                |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_17  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 9    |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5300MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 3                | 18M        | 50.9u           | 1.721m                   | 1.677m                   | 787.1m             |
| 2                               | 2                | 18M        | 70.9u           | 1.645m                   | -                        | 357.8m             |
| 3                               | 2                | 18M        | 61.2u           | 1.863m                   | -                        | 730.2m             |
| 4                               | 3                | 18M        | 55.6u           | 1.573m                   | 1.305m                   | 472.0m             |
| 5                               | 2                | 18M        | 61.9u           | 1.421m                   | -                        | 88.96m             |
| 6                               | 1                | 18M        | 52.6u           | -                        | -                        | 911.3m             |
| 7                               | 3                | 18M        | 60.7u           | 1.420m                   | 1.845m                   | 81.67m             |
| 8                               | 2                | 18M        | 76.7u           | 1.616m                   | -                        | 600.1m             |
| 9                               | 1                | 18M        | 82.1u           | -                        | -                        | 1.017              |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_18  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 12   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5300MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 3                | 18M        | 52.0u           | 963.0u                   | 1.272m                   | 607.1m             |
| 2                               | 2                | 18M        | 94.7u           | 1.569m                   | -                        | 970.0m             |
| 3                               | 2                | 18M        | 81.7u           | 1.783m                   | -                        | 405.2m             |
| 4                               | 1                | 18M        | 79.0u           | -                        | -                        | 481.4m             |
| 5                               | 3                | 18M        | 68.5u           | 1.228m                   | 1.226m                   | 689.8m             |
| 6                               | 2                | 18M        | 54.6u           | 1.639m                   | -                        | 657.6m             |
| 7                               | 1                | 18M        | 68.1u           | -                        | -                        | 841.1m             |
| 8                               | 1                | 18M        | 89.8u           | -                        | -                        | 916.7m             |
| 9                               | 1                | 18M        | 69.1u           | -                        | -                        | 211.7m             |
| 10                              | 1                | 18M        | 97.8u           | -                        | -                        | 374.1m             |
| 11                              | 2                | 18M        | 96.3u           | 1.242m                   | -                        | 457.4m             |
| 12                              | 3                | 18M        | 95.6u           | 981.4u                   | 1.107m                   | 828.4m             |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_19  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5300MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 78.6u              | 1.551m                      | -                           | 833.2m                |
| 2                               | 2                   | 20M           | 51.6u              | 990.4u                      | -                           | 825.2m                |
| 3                               | 2                   | 20M           | 86.8u              | 1.097m                      | -                           | 809.6m                |
| 4                               | 1                   | 20M           | 60.5u              | -                           | -                           | 792.9m                |
| 5                               | 2                   | 20M           | 54.9u              | 1.783m                      | -                           | 491.4m                |
| 6                               | 2                   | 20M           | 75.7u              | 1.245m                      | -                           | 717.7m                |
| 7                               | 2                   | 20M           | 55.0u              | 1.513m                      | -                           | 1.155                 |
| 8                               | 2                   | 20M           | 79.2u              | 955.8u                      | -                           | 118.6m                |
| 9                               | 1                   | 20M           | 56.4u              | -                           | -                           | 881.1m                |
| 10                              | 1                   | 20M           | 97.7u              | -                           | -                           | 978.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_20  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 20   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5300MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 63.1u              | 1.352m                      | -                           | 165.6m                |
| 2                               | 2                   | 20M           | 58.9u              | 1.458m                      | -                           | 231.2m                |
| 3                               | 2                   | 20M           | 77.9u              | 1.812m                      | -                           | 578.2m                |
| 4                               | 2                   | 20M           | 55.4u              | 1.834m                      | -                           | 493.0m                |
| 5                               | 3                   | 20M           | 93.5u              | 1.337m                      | 1.895m                      | 207.5m                |
| 6                               | 2                   | 20M           | 92.8u              | 1.212m                      | -                           | 161.6m                |
| 7                               | 3                   | 20M           | 60.2u              | 1.500m                      | 1.299m                      | 450.6m                |
| 8                               | 3                   | 20M           | 92.9u              | 980.1u                      | 1.224m                      | 70.72m                |
| 9                               | 3                   | 20M           | 68.5u              | 1.737m                      | 1.169m                      | 263.0m                |
| 10                              | 2                   | 20M           | 85.6u              | 967.4u                      | -                           | 128.5m                |
| 11                              | 2                   | 20M           | 85.4u              | 1.165m                      | -                           | 495.9m                |
| 12                              | 2                   | 20M           | 68.2u              | 1.498m                      | -                           | 88.26m                |
| 13                              | 2                   | 20M           | 66.6u              | 1.769m                      | -                           | 10.88m                |
| 14                              | 3                   | 20M           | 56.7u              | 1.517m                      | 1.056m                      | 393.2m                |
| 15                              | 1                   | 20M           | 61.9u              | -                           | -                           | 488.3m                |
| 16                              | 3                   | 20M           | 92.9u              | 1.185m                      | 1.163m                      | 309.7m                |
| 17                              | 2                   | 20M           | 59.6u              | 1.139m                      | -                           | 243.6m                |
| 18                              | 3                   | 20M           | 71.4u              | 1.337m                      | 1.026m                      | 381.3m                |
| 19                              | 3                   | 20M           | 66.5u              | 1.886m                      | 1.669m                      | 75.38m                |
| 20                              | 1                   | 20M           | 99.2u              | -                           | -                           | 205.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_21  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5307MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 5M            | 59.2u              | -                           | -                           | 243.0m                |
| 2                               | 2                   | 5M            | 94.5u              | 1.834m                      | -                           | 299.3m                |
| 3                               | 2                   | 5M            | 95.4u              | 1.641m                      | -                           | 566.0m                |
| 4                               | 3                   | 5M            | 59.5u              | 1.313m                      | 1.332m                      | 354.8m                |
| 5                               | 2                   | 5M            | 62.1u              | 1.158m                      | -                           | 618.4m                |
| 6                               | 3                   | 5M            | 73.9u              | 1.671m                      | 1.534m                      | 629.7m                |
| 7                               | 2                   | 5M            | 50.4u              | 1.155m                      | -                           | 384.7m                |
| 8                               | 3                   | 5M            | 62.7u              | 1.675m                      | 1.571m                      | 94.54m                |
| 9                               | 1                   | 5M            | 52.4u              | -                           | -                           | 45.93m                |
| 10                              | 3                   | 5M            | 55.9u              | 1.743m                      | 1.537m                      | 37.45m                |
| 11                              | 2                   | 5M            | 62.1u              | 1.725m                      | -                           | 173.9m                |
| 12                              | 3                   | 5M            | 65.1u              | 1.567m                      | 1.369m                      | 549.6m                |
| 13                              | 3                   | 5M            | 80.3u              | 1.548m                      | 1.117m                      | 530.8m                |
| 14                              | 2                   | 5M            | 85.5u              | 1.063m                      | -                           | 265.8m                |
| 15                              | 3                   | 5M            | 54.7u              | 1.134m                      | 1.657m                      | 49.43m                |
| 16                              | 2                   | 5M            | 85.8u              | 1.450m                      | -                           | 382.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_22  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5307MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 5M            | 61.2u              | 1.793m                      | 1.857m                      | 398.8m                |
| 2                               | 1                   | 5M            | 53.7u              | -                           | -                           | 300.3m                |
| 3                               | 2                   | 5M            | 82.7u              | 1.900m                      | -                           | 154.0m                |
| 4                               | 3                   | 5M            | 98.8u              | 1.369m                      | 1.879m                      | 7.212m                |
| 5                               | 2                   | 5M            | 54.9u              | 1.516m                      | -                           | 475.2m                |
| 6                               | 3                   | 5M            | 57.2u              | 1.640m                      | 1.396m                      | 427.7m                |
| 7                               | 2                   | 5M            | 91.6u              | 1.507m                      | -                           | 435.3m                |
| 8                               | 2                   | 5M            | 69.8u              | 1.897m                      | -                           | 349.7m                |
| 9                               | 2                   | 5M            | 58.1u              | 1.668m                      | -                           | 584.4m                |
| 10                              | 2                   | 5M            | 81.6u              | 1.380m                      | -                           | 184.8m                |
| 11                              | 2                   | 5M            | 57.5u              | 1.242m                      | -                           | 221.2m                |
| 12                              | 3                   | 5M            | 92.2u              | 1.227m                      | 913.8u                      | 353.3m                |
| 13                              | 2                   | 5M            | 81.9u              | 1.129m                      | -                           | 486.4m                |
| 14                              | 2                   | 5M            | 66.9u              | 1.395m                      | -                           | 235.5m                |
| 15                              | 1                   | 5M            | 67.9u              | -                           | -                           | 415.5m                |
| 16                              | 3                   | 5M            | 99.2u              | 1.884m                      | 1.803m                      | 462.9m                |
| 17                              | 2                   | 5M            | 71.2u              | 1.043m                      | -                           | 214.2m                |
| 18                              | 1                   | 5M            | 70.9u              | -                           | -                           | 379.4m                |
| 19                              | 2                   | 5M            | 68.8u              | 1.209m                      | -                           | 322.3m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_23  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5305MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 10M           | 77.1u              | 1.267m                      | -                           | 774.1m                |
| 2                               | 3                   | 10M           | 99.8u              | 1.558m                      | 1.032m                      | 769.0m                |
| 3                               | 2                   | 10M           | 73.2u              | 1.204m                      | -                           | 760.7m                |
| 4                               | 3                   | 10M           | 74.0u              | 1.642m                      | 1.403m                      | 202.1m                |
| 5                               | 2                   | 10M           | 61.7u              | 982.3u                      | -                           | 236.2m                |
| 6                               | 2                   | 10M           | 68.4u              | 1.120m                      | -                           | 889.3m                |
| 7                               | 2                   | 10M           | 98.4u              | 1.604m                      | -                           | 192.4m                |
| 8                               | 2                   | 10M           | 72.5u              | 1.756m                      | -                           | 721.2m                |
| 9                               | 3                   | 10M           | 52.4u              | 1.480m                      | 1.691m                      | 405.5m                |
| 10                              | 3                   | 10M           | 96.6u              | 1.397m                      | 1.029m                      | 235.6m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_24  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 9    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5305MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 10M           | 80.2u              | 1.716m                      | 1.208m                      | 458.3m                |
| 2                               | 2                   | 10M           | 99.0u              | 1.877m                      | -                           | 80.24m                |
| 3                               | 1                   | 10M           | 70.5u              | -                           | -                           | 705.0m                |
| 4                               | 1                   | 10M           | 88.3u              | -                           | -                           | 69.65m                |
| 5                               | 2                   | 10M           | 56.4u              | 1.516m                      | -                           | 922.0m                |
| 6                               | 1                   | 10M           | 100.0u             | -                           | -                           | 179.3m                |
| 7                               | 2                   | 10M           | 58.2u              | 994.8u                      | -                           | 1.187                 |
| 8                               | 1                   | 10M           | 98.0u              | -                           | -                           | 223.9m                |
| 9                               | 1                   | 10M           | 92.7u              | -                           | -                           | 927.1m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_25  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5303MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 15M           | 94.0u              | 1.223m                      | -                           | 602.5m                |
| 2                               | 1                   | 15M           | 72.8u              | -                           | -                           | 973.3m                |
| 3                               | 1                   | 15M           | 53.8u              | -                           | -                           | 901.9m                |
| 4                               | 2                   | 15M           | 62.4u              | 1.292m                      | -                           | 937.5m                |
| 5                               | 2                   | 15M           | 78.8u              | 1.014m                      | -                           | 731.3m                |
| 6                               | 2                   | 15M           | 93.5u              | 1.149m                      | -                           | 20.15m                |
| 7                               | 1                   | 15M           | 61.8u              | -                           | -                           | 620.4m                |
| 8                               | 3                   | 15M           | 82.0u              | 1.788m                      | 1.001m                      | 82.34m                |
| 9                               | 1                   | 15M           | 63.6u              | -                           | -                           | 891.7m                |
| 10                              | 2                   | 15M           | 76.7u              | 1.229m                      | -                           | 49.96m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_26  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 11   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5303MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 15M           | 84.4u              | -                           | -                           | 558.9m                |
| 2                               | 2                   | 15M           | 74.4u              | 1.227m                      | -                           | 40.96m                |
| 3                               | 3                   | 15M           | 59.9u              | 1.513m                      | 1.461m                      | 466.4m                |
| 4                               | 1                   | 15M           | 54.6u              | -                           | -                           | 934.1m                |
| 5                               | 2                   | 15M           | 56.2u              | 1.306m                      | -                           | 791.5m                |
| 6                               | 2                   | 15M           | 80.1u              | 1.693m                      | -                           | 378.4m                |
| 7                               | 2                   | 15M           | 50.2u              | 1.675m                      | -                           | 844.0m                |
| 8                               | 2                   | 15M           | 89.6u              | 1.641m                      | -                           | 762.8m                |
| 9                               | 1                   | 15M           | 81.8u              | -                           | -                           | 133.1m                |
| 10                              | 1                   | 15M           | 89.0u              | -                           | -                           | 56.12m                |
| 11                              | 1                   | 15M           | 62.1u              | -                           | -                           | 784.8m                |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_27  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 17   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5302MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 18M           | 99.1u              | -                           | -                           | 365.0m                |
| 2                               | 2                   | 18M           | 80.2u              | 1.073m                      | -                           | 218.9m                |
| 3                               | 1                   | 18M           | 98.4u              | -                           | -                           | 62.40m                |
| 4                               | 2                   | 18M           | 79.9u              | 924.1u                      | -                           | 28.38m                |
| 5                               | 3                   | 18M           | 85.7u              | 1.729m                      | 1.103m                      | 59.49m                |
| 6                               | 3                   | 18M           | 83.1u              | 1.033m                      | 1.823m                      | 360.0m                |
| 7                               | 1                   | 18M           | 93.9u              | -                           | -                           | 207.7m                |
| 8                               | 2                   | 18M           | 92.9u              | 1.657m                      | -                           | 307.2m                |
| 9                               | 2                   | 18M           | 93.9u              | 1.164m                      | -                           | 269.1m                |
| 10                              | 3                   | 18M           | 71.8u              | 1.516m                      | 1.207m                      | 433.3m                |
| 11                              | 2                   | 18M           | 60.1u              | 1.913m                      | -                           | 334.1m                |
| 12                              | 2                   | 18M           | 65.1u              | 1.569m                      | -                           | 471.0m                |
| 13                              | 2                   | 18M           | 70.1u              | 1.020m                      | -                           | 403.4m                |
| 14                              | 2                   | 18M           | 54.7u              | 1.505m                      | -                           | 537.2m                |
| 15                              | 2                   | 18M           | 71.7u              | 1.764m                      | -                           | 569.9m                |
| 16                              | 2                   | 18M           | 98.5u              | 1.729m                      | -                           | 505.7m                |
| 17                              | 2                   | 18M           | 90.2u              | 1.677m                      | -                           | 644.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_28  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5302MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 18M           | 91.4u              | -                           | -                           | 1.193                 |
| 2                               | 2                   | 18M           | 59.0u              | 1.416m                      | -                           | 691.9m                |
| 3                               | 3                   | 18M           | 75.5u              | 1.576m                      | 1.710m                      | 949.0m                |
| 4                               | 3                   | 18M           | 57.2u              | 1.495m                      | 1.274m                      | 98.67m                |
| 5                               | 2                   | 18M           | 86.9u              | 1.499m                      | -                           | 1.077                 |
| 6                               | 3                   | 18M           | 59.2u              | 1.913m                      | 1.856m                      | 327.0m                |
| 7                               | 1                   | 18M           | 79.4u              | -                           | -                           | 681.2m                |
| 8                               | 3                   | 18M           | 98.1u              | 1.764m                      | 1.499m                      | 780.6m                |
| 9                               | 2                   | 18M           | 79.1u              | 1.785m                      | -                           | 22.12m                |
| 10                              | 3                   | 18M           | 75.5u              | 1.187m                      | 1.373m                      | 229.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_29  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5301MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 80.2u              | 1.739m                      | -                           | 720.6m                |
| 2                               | 3                   | 20M           | 50.1u              | 1.816m                      | 1.933m                      | 558.9m                |
| 3                               | 1                   | 20M           | 96.2u              | -                           | -                           | 211.8m                |
| 4                               | 3                   | 20M           | 72.6u              | 1.275m                      | 1.410m                      | 628.1m                |
| 5                               | 2                   | 20M           | 92.6u              | 1.262m                      | -                           | 295.1m                |
| 6                               | 2                   | 20M           | 70.1u              | 1.814m                      | -                           | 404.0m                |
| 7                               | 2                   | 20M           | 96.2u              | 1.463m                      | -                           | 89.45m                |
| 8                               | 2                   | 20M           | 78.6u              | 1.436m                      | -                           | 275.4m                |
| 9                               | 2                   | 20M           | 85.9u              | 1.077m                      | -                           | 726.5m                |
| 10                              | 3                   | 20M           | 86.3u              | 1.689m                      | 1.395m                      | 279.8m                |
| 11                              | 1                   | 20M           | 88.0u              | -                           | -                           | 142.6m                |
| 12                              | 3                   | 20M           | 58.3u              | 1.051m                      | 995.7u                      | 248.6m                |
| 13                              | 2                   | 20M           | 95.3u              | 1.642m                      | -                           | 392.4m                |
| 14                              | 3                   | 20M           | 93.1u              | 1.100m                      | 1.481m                      | 639.1m                |
| 15                              | 1                   | 20M           | 96.7u              | -                           | -                           | 614.9m                |
| 16                              | 2                   | 20M           | 67.1u              | 1.370m                      | -                           | 471.2m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_30  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5301MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 98.1u              | 1.220m                      | -                           | 507.2m                |
| 2                               | 2                   | 20M           | 73.5u              | 1.910m                      | -                           | 227.2m                |
| 3                               | 2                   | 20M           | 98.2u              | 1.506m                      | -                           | 631.2m                |
| 4                               | 3                   | 20M           | 97.9u              | 1.595m                      | 1.851m                      | 164.0m                |
| 5                               | 1                   | 20M           | 92.9u              | -                           | -                           | 45.06m                |
| 6                               | 2                   | 20M           | 76.6u              | 1.260m                      | -                           | 601.8m                |
| 7                               | 2                   | 20M           | 68.1u              | 1.217m                      | -                           | 342.9m                |
| 8                               | 1                   | 20M           | 53.3u              | -                           | -                           | 86.38m                |
| 9                               | 2                   | 20M           | 58.0u              | 978.0u                      | -                           | 75.50m                |
| 10                              | 1                   | 20M           | 66.6u              | -                           | -                           | 328.5m                |
| 11                              | 3                   | 20M           | 69.0u              | 1.388m                      | 1.330m                      | 707.6m                |
| 12                              | 2                   | 20M           | 68.3u              | 1.450m                      | -                           | 328.0m                |
| 13                              | 3                   | 20M           | 99.1u              | 1.752m                      | 1.303m                      | 426.0m                |
| 14                              | 1                   | 20M           | 94.8u              | -                           | -                           | 632.9m                |
| 15                              | 1                   | 20M           | 99.7u              | -                           | -                           | 169.8m                |
| 16                              | 1                   | 20M           | 51.5u              | -                           | -                           | 455.1m                |

| Type 6 Radar Statistical Performances |                  |                 |         |                         |
|---------------------------------------|------------------|-----------------|---------|-------------------------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Detection               |
| 1                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 2                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 3                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 4                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 5                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 6                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 7                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 8                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 9                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 10                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 11                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 12                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 13                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 14                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 15                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 16                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 17                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 18                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 19                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 20                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 21                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 22                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 23                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 24                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 25                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 26                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 27                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 28                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 29                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 30                                    | 9                | 1.0u            | 333.0u  | Yes                     |
|                                       |                  |                 |         | Detection Rate: 100.0 % |

| Type 6 Radar Statistical Performances |                                 |                         |
|---------------------------------------|---------------------------------|-------------------------|
| Trial #                               | Hopping Frequency Sequence Name | Detection               |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes                     |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes                     |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes                     |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes                     |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes                     |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes                     |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes                     |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes                     |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes                     |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes                     |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes                     |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes                     |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes                     |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes                     |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes                     |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes                     |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes                     |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes                     |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes                     |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes                     |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes                     |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes                     |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes                     |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes                     |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes                     |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes                     |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes                     |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes                     |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes                     |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes                     |
|                                       |                                 | Detection Rate: 100.0 % |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.505G            | 2    | 5.674G            | 3    | 5.257G            | 4    | 5.690G            |
| 5                                                | 5.520G            | 6    | 5.262G            | 7    | 5.356G            | 8    | 5.439G            |
| 9                                                | 5.685G            | 10   | 5.332G            | 11   | 5.720G            | 12   | 5.579G            |
| 13                                               | 5.313G            | 14   | 5.383G            | 15   | 5.697G            | 16   | 5.318G            |
| 17                                               | 5.695G            | 18   | 5.461G            | 19   | 5.719G            | 20   | 5.606G            |
| 21                                               | 5.533G            | 22   | 5.287G            | 23   | 5.675G            | 24   | 5.540G            |
| 25                                               | 5.604G            | 26   | 5.591G            | 27   | 5.564G            | 28   | 5.612G            |
| 29                                               | 5.399G            | 30   | 5.593G            | 31   | 5.600G            | 32   | 5.478G            |
| 33                                               | 5.667G            | 34   | 5.434G            | 35   | 5.299G            | 36   | 5.387G            |
| 37                                               | 5.319G            | 38   | 5.376G            | 39   | 5.710G            | 40   | 5.581G            |
| 41                                               | 5.624G            | 42   | 5.302G            | 43   | 5.406G            | 44   | 5.272G            |
| 45                                               | 5.531G            | 46   | 5.298G            | 47   | 5.303G            | 48   | 5.265G            |
| 49                                               | 5.688G            | 50   | 5.372G            | 51   | 5.699G            | 52   | 5.550G            |
| 53                                               | 5.336G            | 54   | 5.308G            | 55   | 5.565G            | 56   | 5.269G            |
| 57                                               | 5.635G            | 58   | 5.650G            | 59   | 5.357G            | 60   | 5.462G            |
| 61                                               | 5.389G            | 62   | 5.626G            | 63   | 5.411G            | 64   | 5.386G            |
| 65                                               | 5.665G            | 66   | 5.481G            | 67   | 5.354G            | 68   | 5.267G            |
| 69                                               | 5.279G            | 70   | 5.558G            | 71   | 5.578G            | 72   | 5.647G            |
| 73                                               | 5.717G            | 74   | 5.382G            | 75   | 5.297G            | 76   | 5.601G            |
| 77                                               | 5.630G            | 78   | 5.603G            | 79   | 5.676G            | 80   | 5.657G            |
| 81                                               | 5.608G            | 82   | 5.329G            | 83   | 5.388G            | 84   | 5.602G            |
| 85                                               | 5.549G            | 86   | 5.451G            | 87   | 5.709G            | 88   | 5.716G            |
| 89                                               | 5.643G            | 90   | 5.285G            | 91   | 5.377G            | 92   | 5.443G            |
| 93                                               | 5.535G            | 94   | 5.584G            | 95   | 5.506G            | 96   | 5.723G            |
| 97                                               | 5.507G            | 98   | 5.712G            | 99   | 5.680G            | 100  | 5.724G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.350G            | 2    | 5.673G            | 3    | 5.251G            | 4    | 5.286G            |
| 5                                                | 5.699G            | 6    | 5.714G            | 7    | 5.500G            | 8    | 5.265G            |
| 9                                                | 5.299G            | 10   | 5.455G            | 11   | 5.359G            | 12   | 5.611G            |
| 13                                               | 5.487G            | 14   | 5.448G            | 15   | 5.663G            | 16   | 5.373G            |
| 17                                               | 5.269G            | 18   | 5.614G            | 19   | 5.439G            | 20   | 5.385G            |
| 21                                               | 5.680G            | 22   | 5.603G            | 23   | 5.363G            | 24   | 5.341G            |
| 25                                               | 5.303G            | 26   | 5.504G            | 27   | 5.576G            | 28   | 5.584G            |
| 29                                               | 5.632G            | 30   | 5.535G            | 31   | 5.402G            | 32   | 5.597G            |
| 33                                               | 5.308G            | 34   | 5.566G            | 35   | 5.689G            | 36   | 5.301G            |
| 37                                               | 5.494G            | 38   | 5.400G            | 39   | 5.513G            | 40   | 5.691G            |
| 41                                               | 5.553G            | 42   | 5.343G            | 43   | 5.532G            | 44   | 5.520G            |
| 45                                               | 5.664G            | 46   | 5.718G            | 47   | 5.612G            | 48   | 5.444G            |
| 49                                               | 5.452G            | 50   | 5.588G            | 51   | 5.307G            | 52   | 5.422G            |
| 53                                               | 5.662G            | 54   | 5.275G            | 55   | 5.583G            | 56   | 5.578G            |
| 57                                               | 5.595G            | 58   | 5.479G            | 59   | 5.410G            | 60   | 5.693G            |
| 61                                               | 5.465G            | 62   | 5.312G            | 63   | 5.268G            | 64   | 5.629G            |
| 65                                               | 5.671G            | 66   | 5.284G            | 67   | 5.406G            | 68   | 5.624G            |
| 69                                               | 5.300G            | 70   | 5.568G            | 71   | 5.318G            | 72   | 5.711G            |
| 73                                               | 5.330G            | 74   | 5.399G            | 75   | 5.694G            | 76   | 5.631G            |
| 77                                               | 5.416G            | 78   | 5.723G            | 79   | 5.637G            | 80   | 5.339G            |
| 81                                               | 5.252G            | 82   | 5.703G            | 83   | 5.654G            | 84   | 5.538G            |
| 85                                               | 5.478G            | 86   | 5.482G            | 87   | 5.474G            | 88   | 5.407G            |
| 89                                               | 5.279G            | 90   | 5.316G            | 91   | 5.592G            | 92   | 5.627G            |
| 93                                               | 5.594G            | 94   | 5.633G            | 95   | 5.380G            | 96   | 5.598G            |
| 97                                               | 5.533G            | 98   | 5.446G            | 99   | 5.526G            | 100  | 5.555G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.501G            | 2    | 5.592G            | 3    | 5.263G            | 4    | 5.484G            |
| 5                                                | 5.549G            | 6    | 5.346G            | 7    | 5.361G            | 8    | 5.576G            |
| 9                                                | 5.264G            | 10   | 5.700G            | 11   | 5.623G            | 12   | 5.324G            |
| 13                                               | 5.640G            | 14   | 5.669G            | 15   | 5.344G            | 16   | 5.579G            |
| 17                                               | 5.703G            | 18   | 5.585G            | 19   | 5.382G            | 20   | 5.601G            |
| 21                                               | 5.364G            | 22   | 5.296G            | 23   | 5.524G            | 24   | 5.532G            |
| 25                                               | 5.546G            | 26   | 5.555G            | 27   | 5.710G            | 28   | 5.644G            |
| 29                                               | 5.465G            | 30   | 5.456G            | 31   | 5.526G            | 32   | 5.627G            |
| 33                                               | 5.621G            | 34   | 5.717G            | 35   | 5.667G            | 36   | 5.652G            |
| 37                                               | 5.659G            | 38   | 5.498G            | 39   | 5.478G            | 40   | 5.386G            |
| 41                                               | 5.654G            | 42   | 5.508G            | 43   | 5.716G            | 44   | 5.599G            |
| 45                                               | 5.408G            | 46   | 5.427G            | 47   | 5.306G            | 48   | 5.402G            |
| 49                                               | 5.337G            | 50   | 5.464G            | 51   | 5.712G            | 52   | 5.358G            |
| 53                                               | 5.278G            | 54   | 5.680G            | 55   | 5.365G            | 56   | 5.442G            |
| 57                                               | 5.432G            | 58   | 5.538G            | 59   | 5.315G            | 60   | 5.587G            |
| 61                                               | 5.342G            | 62   | 5.615G            | 63   | 5.674G            | 64   | 5.563G            |
| 65                                               | 5.668G            | 66   | 5.460G            | 67   | 5.590G            | 68   | 5.542G            |
| 69                                               | 5.685G            | 70   | 5.469G            | 71   | 5.453G            | 72   | 5.429G            |
| 73                                               | 5.504G            | 74   | 5.660G            | 75   | 5.353G            | 76   | 5.616G            |
| 77                                               | 5.417G            | 78   | 5.672G            | 79   | 5.331G            | 80   | 5.393G            |
| 81                                               | 5.449G            | 82   | 5.347G            | 83   | 5.610G            | 84   | 5.706G            |
| 85                                               | 5.314G            | 86   | 5.321G            | 87   | 5.415G            | 88   | 5.724G            |
| 89                                               | 5.392G            | 90   | 5.437G            | 91   | 5.691G            | 92   | 5.407G            |
| 93                                               | 5.625G            | 94   | 5.463G            | 95   | 5.582G            | 96   | 5.646G            |
| 97                                               | 5.622G            | 98   | 5.688G            | 99   | 5.266G            | 100  | 5.428G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.487G            | 2    | 5.498G            | 3    | 5.707G            | 4    | 5.277G            |
| 5                                                | 5.312G            | 6    | 5.447G            | 7    | 5.259G            | 8    | 5.548G            |
| 9                                                | 5.492G            | 10   | 5.699G            | 11   | 5.308G            | 12   | 5.677G            |
| 13                                               | 5.328G            | 14   | 5.520G            | 15   | 5.318G            | 16   | 5.433G            |
| 17                                               | 5.440G            | 18   | 5.294G            | 19   | 5.486G            | 20   | 5.258G            |
| 21                                               | 5.370G            | 22   | 5.405G            | 23   | 5.266G            | 24   | 5.380G            |
| 25                                               | 5.292G            | 26   | 5.590G            | 27   | 5.459G            | 28   | 5.495G            |
| 29                                               | 5.541G            | 30   | 5.564G            | 31   | 5.472G            | 32   | 5.680G            |
| 33                                               | 5.558G            | 34   | 5.319G            | 35   | 5.645G            | 36   | 5.475G            |
| 37                                               | 5.591G            | 38   | 5.375G            | 39   | 5.678G            | 40   | 5.649G            |
| 41                                               | 5.437G            | 42   | 5.674G            | 43   | 5.706G            | 44   | 5.460G            |
| 45                                               | 5.316G            | 46   | 5.636G            | 47   | 5.301G            | 48   | 5.660G            |
| 49                                               | 5.416G            | 50   | 5.284G            | 51   | 5.321G            | 52   | 5.545G            |
| 53                                               | 5.260G            | 54   | 5.353G            | 55   | 5.489G            | 56   | 5.334G            |
| 57                                               | 5.256G            | 58   | 5.600G            | 59   | 5.307G            | 60   | 5.683G            |
| 61                                               | 5.288G            | 62   | 5.637G            | 63   | 5.631G            | 64   | 5.253G            |
| 65                                               | 5.604G            | 66   | 5.709G            | 67   | 5.568G            | 68   | 5.697G            |
| 69                                               | 5.404G            | 70   | 5.508G            | 71   | 5.681G            | 72   | 5.345G            |
| 73                                               | 5.300G            | 74   | 5.497G            | 75   | 5.633G            | 76   | 5.655G            |
| 77                                               | 5.415G            | 78   | 5.333G            | 79   | 5.251G            | 80   | 5.374G            |
| 81                                               | 5.451G            | 82   | 5.443G            | 83   | 5.625G            | 84   | 5.473G            |
| 85                                               | 5.584G            | 86   | 5.338G            | 87   | 5.647G            | 88   | 5.304G            |
| 89                                               | 5.525G            | 90   | 5.542G            | 91   | 5.361G            | 92   | 5.650G            |
| 93                                               | 5.482G            | 94   | 5.666G            | 95   | 5.608G            | 96   | 5.589G            |
| 97                                               | 5.427G            | 98   | 5.384G            | 99   | 5.457G            | 100  | 5.355G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.583G            | 2    | 5.381G            | 3    | 5.662G            | 4    | 5.649G            |
| 5                                                | 5.275G            | 6    | 5.678G            | 7    | 5.287G            | 8    | 5.452G            |
| 9                                                | 5.461G            | 10   | 5.670G            | 11   | 5.279G            | 12   | 5.702G            |
| 13                                               | 5.399G            | 14   | 5.420G            | 15   | 5.479G            | 16   | 5.278G            |
| 17                                               | 5.487G            | 18   | 5.484G            | 19   | 5.320G            | 20   | 5.433G            |
| 21                                               | 5.550G            | 22   | 5.333G            | 23   | 5.573G            | 24   | 5.456G            |
| 25                                               | 5.299G            | 26   | 5.261G            | 27   | 5.263G            | 28   | 5.614G            |
| 29                                               | 5.321G            | 30   | 5.300G            | 31   | 5.391G            | 32   | 5.551G            |
| 33                                               | 5.600G            | 34   | 5.509G            | 35   | 5.718G            | 36   | 5.522G            |
| 37                                               | 5.396G            | 38   | 5.713G            | 39   | 5.457G            | 40   | 5.717G            |
| 41                                               | 5.659G            | 42   | 5.607G            | 43   | 5.536G            | 44   | 5.370G            |
| 45                                               | 5.329G            | 46   | 5.708G            | 47   | 5.534G            | 48   | 5.429G            |
| 49                                               | 5.492G            | 50   | 5.379G            | 51   | 5.653G            | 52   | 5.545G            |
| 53                                               | 5.620G            | 54   | 5.681G            | 55   | 5.546G            | 56   | 5.715G            |
| 57                                               | 5.616G            | 58   | 5.591G            | 59   | 5.508G            | 60   | 5.375G            |
| 61                                               | 5.271G            | 62   | 5.596G            | 63   | 5.500G            | 64   | 5.455G            |
| 65                                               | 5.318G            | 66   | 5.585G            | 67   | 5.336G            | 68   | 5.657G            |
| 69                                               | 5.598G            | 70   | 5.251G            | 71   | 5.512G            | 72   | 5.668G            |
| 73                                               | 5.665G            | 74   | 5.667G            | 75   | 5.682G            | 76   | 5.407G            |
| 77                                               | 5.489G            | 78   | 5.309G            | 79   | 5.490G            | 80   | 5.418G            |
| 81                                               | 5.257G            | 82   | 5.697G            | 83   | 5.719G            | 84   | 5.341G            |
| 85                                               | 5.689G            | 86   | 5.647G            | 87   | 5.568G            | 88   | 5.699G            |
| 89                                               | 5.674G            | 90   | 5.572G            | 91   | 5.619G            | 92   | 5.408G            |
| 93                                               | 5.664G            | 94   | 5.706G            | 95   | 5.360G            | 96   | 5.439G            |
| 97                                               | 5.284G            | 98   | 5.312G            | 99   | 5.367G            | 100  | 5.478G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.493G            | 2    | 5.665G            | 3    | 5.291G            | 4    | 5.553G            |
| 5                                                | 5.367G            | 6    | 5.518G            | 7    | 5.444G            | 8    | 5.350G            |
| 9                                                | 5.338G            | 10   | 5.467G            | 11   | 5.262G            | 12   | 5.629G            |
| 13                                               | 5.439G            | 14   | 5.406G            | 15   | 5.267G            | 16   | 5.293G            |
| 17                                               | 5.384G            | 18   | 5.447G            | 19   | 5.647G            | 20   | 5.716G            |
| 21                                               | 5.583G            | 22   | 5.697G            | 23   | 5.260G            | 24   | 5.609G            |
| 25                                               | 5.465G            | 26   | 5.632G            | 27   | 5.268G            | 28   | 5.593G            |
| 29                                               | 5.611G            | 30   | 5.546G            | 31   | 5.466G            | 32   | 5.478G            |
| 33                                               | 5.653G            | 34   | 5.660G            | 35   | 5.357G            | 36   | 5.454G            |
| 37                                               | 5.605G            | 38   | 5.502G            | 39   | 5.604G            | 40   | 5.703G            |
| 41                                               | 5.637G            | 42   | 5.519G            | 43   | 5.258G            | 44   | 5.601G            |
| 45                                               | 5.516G            | 46   | 5.346G            | 47   | 5.645G            | 48   | 5.638G            |
| 49                                               | 5.418G            | 50   | 5.354G            | 51   | 5.644G            | 52   | 5.456G            |
| 53                                               | 5.682G            | 54   | 5.702G            | 55   | 5.607G            | 56   | 5.503G            |
| 57                                               | 5.396G            | 58   | 5.441G            | 59   | 5.273G            | 60   | 5.548G            |
| 61                                               | 5.314G            | 62   | 5.371G            | 63   | 5.306G            | 64   | 5.360G            |
| 65                                               | 5.691G            | 66   | 5.413G            | 67   | 5.551G            | 68   | 5.485G            |
| 69                                               | 5.495G            | 70   | 5.419G            | 71   | 5.531G            | 72   | 5.492G            |
| 73                                               | 5.499G            | 74   | 5.392G            | 75   | 5.347G            | 76   | 5.497G            |
| 77                                               | 5.692G            | 78   | 5.342G            | 79   | 5.723G            | 80   | 5.356G            |
| 81                                               | 5.484G            | 82   | 5.491G            | 83   | 5.705G            | 84   | 5.563G            |
| 85                                               | 5.394G            | 86   | 5.397G            | 87   | 5.534G            | 88   | 5.269G            |
| 89                                               | 5.471G            | 90   | 5.514G            | 91   | 5.339G            | 92   | 5.640G            |
| 93                                               | 5.332G            | 94   | 5.680G            | 95   | 5.482G            | 96   | 5.488G            |
| 97                                               | 5.429G            | 98   | 5.430G            | 99   | 5.464G            | 100  | 5.295G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.320G            | 2    | 5.390G            | 3    | 5.286G            | 4    | 5.418G            |
| 5                                                | 5.603G            | 6    | 5.488G            | 7    | 5.457G            | 8    | 5.410G            |
| 9                                                | 5.299G            | 10   | 5.545G            | 11   | 5.358G            | 12   | 5.355G            |
| 13                                               | 5.454G            | 14   | 5.277G            | 15   | 5.687G            | 16   | 5.582G            |
| 17                                               | 5.434G            | 18   | 5.475G            | 19   | 5.619G            | 20   | 5.627G            |
| 21                                               | 5.307G            | 22   | 5.317G            | 23   | 5.319G            | 24   | 5.421G            |
| 25                                               | 5.556G            | 26   | 5.541G            | 27   | 5.623G            | 28   | 5.546G            |
| 29                                               | 5.336G            | 30   | 5.578G            | 31   | 5.304G            | 32   | 5.325G            |
| 33                                               | 5.574G            | 34   | 5.382G            | 35   | 5.570G            | 36   | 5.544G            |
| 37                                               | 5.700G            | 38   | 5.571G            | 39   | 5.491G            | 40   | 5.465G            |
| 41                                               | 5.272G            | 42   | 5.536G            | 43   | 5.279G            | 44   | 5.402G            |
| 45                                               | 5.628G            | 46   | 5.595G            | 47   | 5.479G            | 48   | 5.401G            |
| 49                                               | 5.451G            | 50   | 5.356G            | 51   | 5.309G            | 52   | 5.561G            |
| 53                                               | 5.539G            | 54   | 5.685G            | 55   | 5.648G            | 56   | 5.693G            |
| 57                                               | 5.414G            | 58   | 5.679G            | 59   | 5.362G            | 60   | 5.695G            |
| 61                                               | 5.256G            | 62   | 5.283G            | 63   | 5.376G            | 64   | 5.706G            |
| 65                                               | 5.504G            | 66   | 5.441G            | 67   | 5.284G            | 68   | 5.449G            |
| 69                                               | 5.476G            | 70   | 5.462G            | 71   | 5.381G            | 72   | 5.343G            |
| 73                                               | 5.638G            | 74   | 5.689G            | 75   | 5.357G            | 76   | 5.389G            |
| 77                                               | 5.255G            | 78   | 5.303G            | 79   | 5.592G            | 80   | 5.675G            |
| 81                                               | 5.450G            | 82   | 5.611G            | 83   | 5.566G            | 84   | 5.265G            |
| 85                                               | 5.510G            | 86   | 5.724G            | 87   | 5.680G            | 88   | 5.392G            |
| 89                                               | 5.296G            | 90   | 5.605G            | 91   | 5.490G            | 92   | 5.631G            |
| 93                                               | 5.560G            | 94   | 5.612G            | 95   | 5.555G            | 96   | 5.487G            |
| 97                                               | 5.530G            | 98   | 5.327G            | 99   | 5.573G            | 100  | 5.704G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.537G            | 2    | 5.669G            | 3    | 5.683G            | 4    | 5.517G            |
| 5                                                | 5.583G            | 6    | 5.304G            | 7    | 5.607G            | 8    | 5.656G            |
| 9                                                | 5.424G            | 10   | 5.441G            | 11   | 5.256G            | 12   | 5.552G            |
| 13                                               | 5.599G            | 14   | 5.277G            | 15   | 5.349G            | 16   | 5.707G            |
| 17                                               | 5.521G            | 18   | 5.478G            | 19   | 5.612G            | 20   | 5.302G            |
| 21                                               | 5.677G            | 22   | 5.581G            | 23   | 5.300G            | 24   | 5.412G            |
| 25                                               | 5.381G            | 26   | 5.259G            | 27   | 5.637G            | 28   | 5.251G            |
| 29                                               | 5.296G            | 30   | 5.565G            | 31   | 5.306G            | 32   | 5.285G            |
| 33                                               | 5.648G            | 34   | 5.563G            | 35   | 5.452G            | 36   | 5.555G            |
| 37                                               | 5.650G            | 38   | 5.495G            | 39   | 5.503G            | 40   | 5.594G            |
| 41                                               | 5.469G            | 42   | 5.582G            | 43   | 5.307G            | 44   | 5.255G            |
| 45                                               | 5.253G            | 46   | 5.323G            | 47   | 5.676G            | 48   | 5.709G            |
| 49                                               | 5.720G            | 50   | 5.712G            | 51   | 5.679G            | 52   | 5.482G            |
| 53                                               | 5.438G            | 54   | 5.415G            | 55   | 5.268G            | 56   | 5.636G            |
| 57                                               | 5.593G            | 58   | 5.427G            | 59   | 5.383G            | 60   | 5.661G            |
| 61                                               | 5.560G            | 62   | 5.697G            | 63   | 5.675G            | 64   | 5.468G            |
| 65                                               | 5.649G            | 66   | 5.298G            | 67   | 5.651G            | 68   | 5.400G            |
| 69                                               | 5.647G            | 70   | 5.467G            | 71   | 5.329G            | 72   | 5.652G            |
| 73                                               | 5.589G            | 74   | 5.347G            | 75   | 5.628G            | 76   | 5.500G            |
| 77                                               | 5.689G            | 78   | 5.368G            | 79   | 5.611G            | 80   | 5.387G            |
| 81                                               | 5.608G            | 82   | 5.473G            | 83   | 5.575G            | 84   | 5.278G            |
| 85                                               | 5.704G            | 86   | 5.662G            | 87   | 5.342G            | 88   | 5.592G            |
| 89                                               | 5.686G            | 90   | 5.702G            | 91   | 5.624G            | 92   | 5.434G            |
| 93                                               | 5.416G            | 94   | 5.553G            | 95   | 5.576G            | 96   | 5.477G            |
| 97                                               | 5.464G            | 98   | 5.396G            | 99   | 5.386G            | 100  | 5.432G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.349G            | 2    | 5.590G            | 3    | 5.466G            | 4    | 5.546G            |
| 5                                                | 5.530G            | 6    | 5.355G            | 7    | 5.575G            | 8    | 5.709G            |
| 9                                                | 5.350G            | 10   | 5.724G            | 11   | 5.456G            | 12   | 5.682G            |
| 13                                               | 5.625G            | 14   | 5.554G            | 15   | 5.713G            | 16   | 5.477G            |
| 17                                               | 5.432G            | 18   | 5.412G            | 19   | 5.454G            | 20   | 5.402G            |
| 21                                               | 5.357G            | 22   | 5.389G            | 23   | 5.626G            | 24   | 5.717G            |
| 25                                               | 5.282G            | 26   | 5.524G            | 27   | 5.697G            | 28   | 5.264G            |
| 29                                               | 5.467G            | 30   | 5.720G            | 31   | 5.459G            | 32   | 5.313G            |
| 33                                               | 5.640G            | 34   | 5.329G            | 35   | 5.605G            | 36   | 5.427G            |
| 37                                               | 5.295G            | 38   | 5.567G            | 39   | 5.302G            | 40   | 5.635G            |
| 41                                               | 5.278G            | 42   | 5.578G            | 43   | 5.461G            | 44   | 5.700G            |
| 45                                               | 5.455G            | 46   | 5.327G            | 47   | 5.592G            | 48   | 5.275G            |
| 49                                               | 5.632G            | 50   | 5.453G            | 51   | 5.422G            | 52   | 5.300G            |
| 53                                               | 5.721G            | 54   | 5.650G            | 55   | 5.704G            | 56   | 5.380G            |
| 57                                               | 5.403G            | 58   | 5.373G            | 59   | 5.367G            | 60   | 5.372G            |
| 61                                               | 5.492G            | 62   | 5.690G            | 63   | 5.618G            | 64   | 5.540G            |
| 65                                               | 5.508G            | 66   | 5.485G            | 67   | 5.496G            | 68   | 5.548G            |
| 69                                               | 5.512G            | 70   | 5.687G            | 71   | 5.296G            | 72   | 5.676G            |
| 73                                               | 5.499G            | 74   | 5.440G            | 75   | 5.579G            | 76   | 5.604G            |
| 77                                               | 5.608G            | 78   | 5.723G            | 79   | 5.576G            | 80   | 5.703G            |
| 81                                               | 5.433G            | 82   | 5.612G            | 83   | 5.482G            | 84   | 5.583G            |
| 85                                               | 5.633G            | 86   | 5.582G            | 87   | 5.437G            | 88   | 5.521G            |
| 89                                               | 5.601G            | 90   | 5.391G            | 91   | 5.647G            | 92   | 5.393G            |
| 93                                               | 5.419G            | 94   | 5.598G            | 95   | 5.434G            | 96   | 5.597G            |
| 97                                               | 5.446G            | 98   | 5.478G            | 99   | 5.551G            | 100  | 5.621G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.550G            | 2    | 5.265G            | 3    | 5.435G            | 4    | 5.470G            |
| 5                                                | 5.657G            | 6    | 5.490G            | 7    | 5.566G            | 8    | 5.303G            |
| 9                                                | 5.400G            | 10   | 5.263G            | 11   | 5.271G            | 12   | 5.372G            |
| 13                                               | 5.448G            | 14   | 5.659G            | 15   | 5.549G            | 16   | 5.571G            |
| 17                                               | 5.381G            | 18   | 5.398G            | 19   | 5.278G            | 20   | 5.511G            |
| 21                                               | 5.583G            | 22   | 5.333G            | 23   | 5.482G            | 24   | 5.494G            |
| 25                                               | 5.353G            | 26   | 5.668G            | 27   | 5.460G            | 28   | 5.563G            |
| 29                                               | 5.706G            | 30   | 5.421G            | 31   | 5.283G            | 32   | 5.703G            |
| 33                                               | 5.554G            | 34   | 5.503G            | 35   | 5.513G            | 36   | 5.461G            |
| 37                                               | 5.355G            | 38   | 5.341G            | 39   | 5.532G            | 40   | 5.528G            |
| 41                                               | 5.380G            | 42   | 5.698G            | 43   | 5.392G            | 44   | 5.582G            |
| 45                                               | 5.285G            | 46   | 5.425G            | 47   | 5.454G            | 48   | 5.617G            |
| 49                                               | 5.323G            | 50   | 5.281G            | 51   | 5.544G            | 52   | 5.466G            |
| 53                                               | 5.447G            | 54   | 5.420G            | 55   | 5.600G            | 56   | 5.676G            |
| 57                                               | 5.422G            | 58   | 5.638G            | 59   | 5.324G            | 60   | 5.295G            |
| 61                                               | 5.359G            | 62   | 5.483G            | 63   | 5.628G            | 64   | 5.350G            |
| 65                                               | 5.690G            | 66   | 5.389G            | 67   | 5.495G            | 68   | 5.252G            |
| 69                                               | 5.603G            | 70   | 5.688G            | 71   | 5.266G            | 72   | 5.696G            |
| 73                                               | 5.713G            | 74   | 5.649G            | 75   | 5.465G            | 76   | 5.413G            |
| 77                                               | 5.551G            | 78   | 5.615G            | 79   | 5.620G            | 80   | 5.358G            |
| 81                                               | 5.567G            | 82   | 5.442G            | 83   | 5.524G            | 84   | 5.506G            |
| 85                                               | 5.296G            | 86   | 5.597G            | 87   | 5.360G            | 88   | 5.484G            |
| 89                                               | 5.430G            | 90   | 5.407G            | 91   | 5.612G            | 92   | 5.619G            |
| 93                                               | 5.488G            | 94   | 5.631G            | 95   | 5.375G            | 96   | 5.432G            |
| 97                                               | 5.641G            | 98   | 5.342G            | 99   | 5.443G            | 100  | 5.590G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.408G            | 2    | 5.306G            | 3    | 5.263G            | 4    | 5.393G            |
| 5                                                | 5.321G            | 6    | 5.559G            | 7    | 5.525G            | 8    | 5.427G            |
| 9                                                | 5.723G            | 10   | 5.451G            | 11   | 5.696G            | 12   | 5.626G            |
| 13                                               | 5.709G            | 14   | 5.553G            | 15   | 5.257G            | 16   | 5.474G            |
| 17                                               | 5.261G            | 18   | 5.669G            | 19   | 5.462G            | 20   | 5.348G            |
| 21                                               | 5.487G            | 22   | 5.589G            | 23   | 5.625G            | 24   | 5.294G            |
| 25                                               | 5.262G            | 26   | 5.711G            | 27   | 5.362G            | 28   | 5.623G            |
| 29                                               | 5.568G            | 30   | 5.564G            | 31   | 5.666G            | 32   | 5.413G            |
| 33                                               | 5.538G            | 34   | 5.484G            | 35   | 5.641G            | 36   | 5.520G            |
| 37                                               | 5.721G            | 38   | 5.483G            | 39   | 5.659G            | 40   | 5.339G            |
| 41                                               | 5.300G            | 42   | 5.478G            | 43   | 5.563G            | 44   | 5.269G            |
| 45                                               | 5.684G            | 46   | 5.663G            | 47   | 5.252G            | 48   | 5.254G            |
| 49                                               | 5.480G            | 50   | 5.655G            | 51   | 5.521G            | 52   | 5.377G            |
| 53                                               | 5.603G            | 54   | 5.627G            | 55   | 5.314G            | 56   | 5.364G            |
| 57                                               | 5.629G            | 58   | 5.365G            | 59   | 5.351G            | 60   | 5.528G            |
| 61                                               | 5.657G            | 62   | 5.447G            | 63   | 5.270G            | 64   | 5.477G            |
| 65                                               | 5.515G            | 66   | 5.295G            | 67   | 5.268G            | 68   | 5.383G            |
| 69                                               | 5.251G            | 70   | 5.458G            | 71   | 5.320G            | 72   | 5.374G            |
| 73                                               | 5.492G            | 74   | 5.358G            | 75   | 5.357G            | 76   | 5.410G            |
| 77                                               | 5.676G            | 78   | 5.588G            | 79   | 5.414G            | 80   | 5.399G            |
| 81                                               | 5.498G            | 82   | 5.491G            | 83   | 5.604G            | 84   | 5.658G            |
| 85                                               | 5.330G            | 86   | 5.613G            | 87   | 5.317G            | 88   | 5.539G            |
| 89                                               | 5.652G            | 90   | 5.403G            | 91   | 5.675G            | 92   | 5.642G            |
| 93                                               | 5.551G            | 94   | 5.343G            | 95   | 5.460G            | 96   | 5.543G            |
| 97                                               | 5.369G            | 98   | 5.276G            | 99   | 5.532G            | 100  | 5.708G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.603G            | 2    | 5.666G            | 3    | 5.522G            | 4    | 5.502G            |
| 5                                                | 5.678G            | 6    | 5.480G            | 7    | 5.479G            | 8    | 5.281G            |
| 9                                                | 5.364G            | 10   | 5.297G            | 11   | 5.713G            | 12   | 5.316G            |
| 13                                               | 5.476G            | 14   | 5.662G            | 15   | 5.437G            | 16   | 5.710G            |
| 17                                               | 5.561G            | 18   | 5.306G            | 19   | 5.416G            | 20   | 5.463G            |
| 21                                               | 5.268G            | 22   | 5.498G            | 23   | 5.674G            | 24   | 5.313G            |
| 25                                               | 5.549G            | 26   | 5.294G            | 27   | 5.558G            | 28   | 5.637G            |
| 29                                               | 5.583G            | 30   | 5.462G            | 31   | 5.291G            | 32   | 5.492G            |
| 33                                               | 5.452G            | 34   | 5.260G            | 35   | 5.497G            | 36   | 5.535G            |
| 37                                               | 5.586G            | 38   | 5.577G            | 39   | 5.658G            | 40   | 5.470G            |
| 41                                               | 5.424G            | 42   | 5.264G            | 43   | 5.680G            | 44   | 5.347G            |
| 45                                               | 5.619G            | 46   | 5.500G            | 47   | 5.266G            | 48   | 5.411G            |
| 49                                               | 5.272G            | 50   | 5.353G            | 51   | 5.661G            | 52   | 5.317G            |
| 53                                               | 5.696G            | 54   | 5.576G            | 55   | 5.391G            | 56   | 5.376G            |
| 57                                               | 5.442G            | 58   | 5.432G            | 59   | 5.305G            | 60   | 5.461G            |
| 61                                               | 5.398G            | 62   | 5.394G            | 63   | 5.368G            | 64   | 5.283G            |
| 65                                               | 5.624G            | 66   | 5.414G            | 67   | 5.483G            | 68   | 5.458G            |
| 69                                               | 5.329G            | 70   | 5.634G            | 71   | 5.578G            | 72   | 5.718G            |
| 73                                               | 5.387G            | 74   | 5.596G            | 75   | 5.650G            | 76   | 5.517G            |
| 77                                               | 5.690G            | 78   | 5.453G            | 79   | 5.613G            | 80   | 5.653G            |
| 81                                               | 5.628G            | 82   | 5.451G            | 83   | 5.478G            | 84   | 5.356G            |
| 85                                               | 5.441G            | 86   | 5.381G            | 87   | 5.552G            | 88   | 5.395G            |
| 89                                               | 5.341G            | 90   | 5.496G            | 91   | 5.455G            | 92   | 5.469G            |
| 93                                               | 5.573G            | 94   | 5.365G            | 95   | 5.642G            | 96   | 5.505G            |
| 97                                               | 5.309G            | 98   | 5.397G            | 99   | 5.568G            | 100  | 5.639G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.375G            | 2    | 5.264G            | 3    | 5.273G            | 4    | 5.293G            |
| 5                                                | 5.612G            | 6    | 5.436G            | 7    | 5.695G            | 8    | 5.549G            |
| 9                                                | 5.422G            | 10   | 5.631G            | 11   | 5.262G            | 12   | 5.490G            |
| 13                                               | 5.589G            | 14   | 5.506G            | 15   | 5.326G            | 16   | 5.282G            |
| 17                                               | 5.657G            | 18   | 5.497G            | 19   | 5.509G            | 20   | 5.660G            |
| 21                                               | 5.474G            | 22   | 5.629G            | 23   | 5.272G            | 24   | 5.314G            |
| 25                                               | 5.433G            | 26   | 5.560G            | 27   | 5.399G            | 28   | 5.357G            |
| 29                                               | 5.668G            | 30   | 5.484G            | 31   | 5.408G            | 32   | 5.325G            |
| 33                                               | 5.434G            | 34   | 5.356G            | 35   | 5.563G            | 36   | 5.285G            |
| 37                                               | 5.401G            | 38   | 5.426G            | 39   | 5.393G            | 40   | 5.621G            |
| 41                                               | 5.277G            | 42   | 5.567G            | 43   | 5.593G            | 44   | 5.559G            |
| 45                                               | 5.496G            | 46   | 5.675G            | 47   | 5.419G            | 48   | 5.319G            |
| 49                                               | 5.690G            | 50   | 5.694G            | 51   | 5.373G            | 52   | 5.661G            |
| 53                                               | 5.367G            | 54   | 5.522G            | 55   | 5.674G            | 56   | 5.265G            |
| 57                                               | 5.300G            | 58   | 5.468G            | 59   | 5.596G            | 60   | 5.324G            |
| 61                                               | 5.528G            | 62   | 5.526G            | 63   | 5.537G            | 64   | 5.669G            |
| 65                                               | 5.599G            | 66   | 5.358G            | 67   | 5.303G            | 68   | 5.648G            |
| 69                                               | 5.378G            | 70   | 5.478G            | 71   | 5.469G            | 72   | 5.407G            |
| 73                                               | 5.513G            | 74   | 5.263G            | 75   | 5.586G            | 76   | 5.360G            |
| 77                                               | 5.571G            | 78   | 5.604G            | 79   | 5.446G            | 80   | 5.479G            |
| 81                                               | 5.482G            | 82   | 5.366G            | 83   | 5.394G            | 84   | 5.693G            |
| 85                                               | 5.288G            | 86   | 5.512G            | 87   | 5.551G            | 88   | 5.585G            |
| 89                                               | 5.723G            | 90   | 5.705G            | 91   | 5.412G            | 92   | 5.711G            |
| 93                                               | 5.345G            | 94   | 5.486G            | 95   | 5.678G            | 96   | 5.361G            |
| 97                                               | 5.390G            | 98   | 5.352G            | 99   | 5.649G            | 100  | 5.647G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.507G            | 2    | 5.709G            | 3    | 5.352G            | 4    | 5.516G            |
| 5                                                | 5.503G            | 6    | 5.594G            | 7    | 5.415G            | 8    | 5.255G            |
| 9                                                | 5.475G            | 10   | 5.275G            | 11   | 5.657G            | 12   | 5.344G            |
| 13                                               | 5.534G            | 14   | 5.406G            | 15   | 5.612G            | 16   | 5.671G            |
| 17                                               | 5.389G            | 18   | 5.314G            | 19   | 5.323G            | 20   | 5.544G            |
| 21                                               | 5.277G            | 22   | 5.302G            | 23   | 5.545G            | 24   | 5.577G            |
| 25                                               | 5.388G            | 26   | 5.258G            | 27   | 5.386G            | 28   | 5.434G            |
| 29                                               | 5.312G            | 30   | 5.595G            | 31   | 5.689G            | 32   | 5.420G            |
| 33                                               | 5.287G            | 34   | 5.408G            | 35   | 5.464G            | 36   | 5.511G            |
| 37                                               | 5.443G            | 38   | 5.427G            | 39   | 5.416G            | 40   | 5.365G            |
| 41                                               | 5.500G            | 42   | 5.587G            | 43   | 5.457G            | 44   | 5.395G            |
| 45                                               | 5.621G            | 46   | 5.588G            | 47   | 5.442G            | 48   | 5.411G            |
| 49                                               | 5.390G            | 50   | 5.539G            | 51   | 5.425G            | 52   | 5.521G            |
| 53                                               | 5.722G            | 54   | 5.696G            | 55   | 5.413G            | 56   | 5.529G            |
| 57                                               | 5.355G            | 58   | 5.656G            | 59   | 5.704G            | 60   | 5.316G            |
| 61                                               | 5.480G            | 62   | 5.581G            | 63   | 5.632G            | 64   | 5.676G            |
| 65                                               | 5.482G            | 66   | 5.432G            | 67   | 5.259G            | 68   | 5.438G            |
| 69                                               | 5.694G            | 70   | 5.580G            | 71   | 5.536G            | 72   | 5.663G            |
| 73                                               | 5.495G            | 74   | 5.674G            | 75   | 5.347G            | 76   | 5.400G            |
| 77                                               | 5.465G            | 78   | 5.330G            | 79   | 5.589G            | 80   | 5.519G            |
| 81                                               | 5.699G            | 82   | 5.645G            | 83   | 5.380G            | 84   | 5.672G            |
| 85                                               | 5.635G            | 86   | 5.548G            | 87   | 5.563G            | 88   | 5.710G            |
| 89                                               | 5.348G            | 90   | 5.629G            | 91   | 5.641G            | 92   | 5.509G            |
| 93                                               | 5.317G            | 94   | 5.384G            | 95   | 5.562G            | 96   | 5.666G            |
| 97                                               | 5.332G            | 98   | 5.456G            | 99   | 5.262G            | 100  | 5.701G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.332G            | 2    | 5.253G            | 3    | 5.256G            | 4    | 5.368G            |
| 5                                                | 5.366G            | 6    | 5.427G            | 7    | 5.495G            | 8    | 5.322G            |
| 9                                                | 5.496G            | 10   | 5.474G            | 11   | 5.448G            | 12   | 5.678G            |
| 13                                               | 5.410G            | 14   | 5.687G            | 15   | 5.686G            | 16   | 5.533G            |
| 17                                               | 5.269G            | 18   | 5.385G            | 19   | 5.429G            | 20   | 5.261G            |
| 21                                               | 5.585G            | 22   | 5.509G            | 23   | 5.255G            | 24   | 5.478G            |
| 25                                               | 5.360G            | 26   | 5.339G            | 27   | 5.335G            | 28   | 5.512G            |
| 29                                               | 5.604G            | 30   | 5.462G            | 31   | 5.479G            | 32   | 5.562G            |
| 33                                               | 5.693G            | 34   | 5.337G            | 35   | 5.671G            | 36   | 5.260G            |
| 37                                               | 5.382G            | 38   | 5.556G            | 39   | 5.523G            | 40   | 5.292G            |
| 41                                               | 5.273G            | 42   | 5.313G            | 43   | 5.586G            | 44   | 5.668G            |
| 45                                               | 5.317G            | 46   | 5.324G            | 47   | 5.505G            | 48   | 5.486G            |
| 49                                               | 5.358G            | 50   | 5.493G            | 51   | 5.456G            | 52   | 5.610G            |
| 53                                               | 5.528G            | 54   | 5.590G            | 55   | 5.506G            | 56   | 5.517G            |
| 57                                               | 5.530G            | 58   | 5.640G            | 59   | 5.318G            | 60   | 5.274G            |
| 61                                               | 5.381G            | 62   | 5.579G            | 63   | 5.667G            | 64   | 5.661G            |
| 65                                               | 5.415G            | 66   | 5.442G            | 67   | 5.621G            | 68   | 5.552G            |
| 69                                               | 5.455G            | 70   | 5.300G            | 71   | 5.441G            | 72   | 5.491G            |
| 73                                               | 5.722G            | 74   | 5.305G            | 75   | 5.331G            | 76   | 5.365G            |
| 77                                               | 5.390G            | 78   | 5.637G            | 79   | 5.266G            | 80   | 5.591G            |
| 81                                               | 5.563G            | 82   | 5.607G            | 83   | 5.461G            | 84   | 5.262G            |
| 85                                               | 5.605G            | 86   | 5.617G            | 87   | 5.403G            | 88   | 5.600G            |
| 89                                               | 5.492G            | 90   | 5.294G            | 91   | 5.706G            | 92   | 5.507G            |
| 93                                               | 5.284G            | 94   | 5.298G            | 95   | 5.564G            | 96   | 5.650G            |
| 97                                               | 5.537G            | 98   | 5.611G            | 99   | 5.645G            | 100  | 5.413G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.469G            | 2    | 5.426G            | 3    | 5.347G            | 4    | 5.449G            |
| 5                                                | 5.330G            | 6    | 5.537G            | 7    | 5.391G            | 8    | 5.687G            |
| 9                                                | 5.666G            | 10   | 5.332G            | 11   | 5.651G            | 12   | 5.341G            |
| 13                                               | 5.352G            | 14   | 5.457G            | 15   | 5.686G            | 16   | 5.531G            |
| 17                                               | 5.693G            | 18   | 5.631G            | 19   | 5.269G            | 20   | 5.525G            |
| 21                                               | 5.702G            | 22   | 5.403G            | 23   | 5.536G            | 24   | 5.363G            |
| 25                                               | 5.516G            | 26   | 5.538G            | 27   | 5.490G            | 28   | 5.511G            |
| 29                                               | 5.724G            | 30   | 5.704G            | 31   | 5.442G            | 32   | 5.441G            |
| 33                                               | 5.411G            | 34   | 5.717G            | 35   | 5.571G            | 36   | 5.647G            |
| 37                                               | 5.649G            | 38   | 5.606G            | 39   | 5.319G            | 40   | 5.448G            |
| 41                                               | 5.504G            | 42   | 5.472G            | 43   | 5.609G            | 44   | 5.438G            |
| 45                                               | 5.545G            | 46   | 5.480G            | 47   | 5.256G            | 48   | 5.679G            |
| 49                                               | 5.382G            | 50   | 5.284G            | 51   | 5.543G            | 52   | 5.424G            |
| 53                                               | 5.317G            | 54   | 5.520G            | 55   | 5.604G            | 56   | 5.397G            |
| 57                                               | 5.505G            | 58   | 5.463G            | 59   | 5.685G            | 60   | 5.602G            |
| 61                                               | 5.270G            | 62   | 5.618G            | 63   | 5.662G            | 64   | 5.273G            |
| 65                                               | 5.707G            | 66   | 5.664G            | 67   | 5.552G            | 68   | 5.294G            |
| 69                                               | 5.320G            | 70   | 5.464G            | 71   | 5.641G            | 72   | 5.476G            |
| 73                                               | 5.661G            | 74   | 5.566G            | 75   | 5.299G            | 76   | 5.584G            |
| 77                                               | 5.619G            | 78   | 5.420G            | 79   | 5.488G            | 80   | 5.593G            |
| 81                                               | 5.654G            | 82   | 5.714G            | 83   | 5.287G            | 84   | 5.657G            |
| 85                                               | 5.337G            | 86   | 5.644G            | 87   | 5.648G            | 88   | 5.659G            |
| 89                                               | 5.251G            | 90   | 5.265G            | 91   | 5.279G            | 92   | 5.359G            |
| 93                                               | 5.460G            | 94   | 5.413G            | 95   | 5.308G            | 96   | 5.544G            |
| 97                                               | 5.640G            | 98   | 5.394G            | 99   | 5.348G            | 100  | 5.613G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.421G            | 2    | 5.498G            | 3    | 5.713G            | 4    | 5.660G            |
| 5                                                | 5.583G            | 6    | 5.662G            | 7    | 5.657G            | 8    | 5.641G            |
| 9                                                | 5.268G            | 10   | 5.654G            | 11   | 5.517G            | 12   | 5.259G            |
| 13                                               | 5.485G            | 14   | 5.419G            | 15   | 5.276G            | 16   | 5.649G            |
| 17                                               | 5.467G            | 18   | 5.646G            | 19   | 5.359G            | 20   | 5.642G            |
| 21                                               | 5.659G            | 22   | 5.620G            | 23   | 5.345G            | 24   | 5.257G            |
| 25                                               | 5.288G            | 26   | 5.478G            | 27   | 5.637G            | 28   | 5.252G            |
| 29                                               | 5.489G            | 30   | 5.274G            | 31   | 5.703G            | 32   | 5.534G            |
| 33                                               | 5.376G            | 34   | 5.719G            | 35   | 5.682G            | 36   | 5.413G            |
| 37                                               | 5.614G            | 38   | 5.448G            | 39   | 5.256G            | 40   | 5.365G            |
| 41                                               | 5.587G            | 42   | 5.350G            | 43   | 5.605G            | 44   | 5.447G            |
| 45                                               | 5.328G            | 46   | 5.710G            | 47   | 5.330G            | 48   | 5.679G            |
| 49                                               | 5.557G            | 50   | 5.674G            | 51   | 5.437G            | 52   | 5.668G            |
| 53                                               | 5.714G            | 54   | 5.353G            | 55   | 5.488G            | 56   | 5.427G            |
| 57                                               | 5.577G            | 58   | 5.482G            | 59   | 5.700G            | 60   | 5.626G            |
| 61                                               | 5.307G            | 62   | 5.464G            | 63   | 5.423G            | 64   | 5.336G            |
| 65                                               | 5.617G            | 66   | 5.608G            | 67   | 5.562G            | 68   | 5.443G            |
| 69                                               | 5.446G            | 70   | 5.561G            | 71   | 5.493G            | 72   | 5.560G            |
| 73                                               | 5.304G            | 74   | 5.354G            | 75   | 5.495G            | 76   | 5.680G            |
| 77                                               | 5.397G            | 78   | 5.344G            | 79   | 5.426G            | 80   | 5.425G            |
| 81                                               | 5.599G            | 82   | 5.567G            | 83   | 5.510G            | 84   | 5.555G            |
| 85                                               | 5.625G            | 86   | 5.324G            | 87   | 5.707G            | 88   | 5.262G            |
| 89                                               | 5.501G            | 90   | 5.651G            | 91   | 5.292G            | 92   | 5.424G            |
| 93                                               | 5.573G            | 94   | 5.411G            | 95   | 5.597G            | 96   | 5.691G            |
| 97                                               | 5.435G            | 98   | 5.459G            | 99   | 5.282G            | 100  | 5.600G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.471G            | 2    | 5.678G            | 3    | 5.410G            | 4    | 5.537G            |
| 5                                                | 5.446G            | 6    | 5.666G            | 7    | 5.563G            | 8    | 5.355G            |
| 9                                                | 5.484G            | 10   | 5.489G            | 11   | 5.556G            | 12   | 5.596G            |
| 13                                               | 5.454G            | 14   | 5.682G            | 15   | 5.554G            | 16   | 5.595G            |
| 17                                               | 5.270G            | 18   | 5.610G            | 19   | 5.586G            | 20   | 5.549G            |
| 21                                               | 5.264G            | 22   | 5.415G            | 23   | 5.266G            | 24   | 5.339G            |
| 25                                               | 5.662G            | 26   | 5.697G            | 27   | 5.379G            | 28   | 5.392G            |
| 29                                               | 5.301G            | 30   | 5.334G            | 31   | 5.573G            | 32   | 5.643G            |
| 33                                               | 5.253G            | 34   | 5.439G            | 35   | 5.300G            | 36   | 5.519G            |
| 37                                               | 5.267G            | 38   | 5.689G            | 39   | 5.539G            | 40   | 5.455G            |
| 41                                               | 5.468G            | 42   | 5.613G            | 43   | 5.496G            | 44   | 5.665G            |
| 45                                               | 5.381G            | 46   | 5.250G            | 47   | 5.298G            | 48   | 5.272G            |
| 49                                               | 5.592G            | 50   | 5.360G            | 51   | 5.532G            | 52   | 5.324G            |
| 53                                               | 5.710G            | 54   | 5.409G            | 55   | 5.517G            | 56   | 5.467G            |
| 57                                               | 5.647G            | 58   | 5.668G            | 59   | 5.309G            | 60   | 5.548G            |
| 61                                               | 5.317G            | 62   | 5.428G            | 63   | 5.597G            | 64   | 5.314G            |
| 65                                               | 5.481G            | 66   | 5.308G            | 67   | 5.584G            | 68   | 5.622G            |
| 69                                               | 5.358G            | 70   | 5.466G            | 71   | 5.616G            | 72   | 5.295G            |
| 73                                               | 5.364G            | 74   | 5.261G            | 75   | 5.655G            | 76   | 5.660G            |
| 77                                               | 5.457G            | 78   | 5.672G            | 79   | 5.565G            | 80   | 5.652G            |
| 81                                               | 5.260G            | 82   | 5.683G            | 83   | 5.343G            | 84   | 5.401G            |
| 85                                               | 5.325G            | 86   | 5.686G            | 87   | 5.353G            | 88   | 5.315G            |
| 89                                               | 5.373G            | 90   | 5.402G            | 91   | 5.352G            | 92   | 5.599G            |
| 93                                               | 5.626G            | 94   | 5.702G            | 95   | 5.258G            | 96   | 5.460G            |
| 97                                               | 5.724G            | 98   | 5.670G            | 99   | 5.444G            | 100  | 5.388G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.550G            | 2    | 5.672G            | 3    | 5.305G            | 4    | 5.508G            |
| 5                                                | 5.713G            | 6    | 5.500G            | 7    | 5.312G            | 8    | 5.704G            |
| 9                                                | 5.291G            | 10   | 5.288G            | 11   | 5.664G            | 12   | 5.468G            |
| 13                                               | 5.405G            | 14   | 5.558G            | 15   | 5.313G            | 16   | 5.308G            |
| 17                                               | 5.390G            | 18   | 5.685G            | 19   | 5.526G            | 20   | 5.394G            |
| 21                                               | 5.616G            | 22   | 5.333G            | 23   | 5.419G            | 24   | 5.461G            |
| 25                                               | 5.417G            | 26   | 5.393G            | 27   | 5.427G            | 28   | 5.650G            |
| 29                                               | 5.376G            | 30   | 5.351G            | 31   | 5.656G            | 32   | 5.494G            |
| 33                                               | 5.700G            | 34   | 5.365G            | 35   | 5.624G            | 36   | 5.551G            |
| 37                                               | 5.259G            | 38   | 5.657G            | 39   | 5.470G            | 40   | 5.666G            |
| 41                                               | 5.250G            | 42   | 5.501G            | 43   | 5.681G            | 44   | 5.496G            |
| 45                                               | 5.370G            | 46   | 5.689G            | 47   | 5.535G            | 48   | 5.271G            |
| 49                                               | 5.444G            | 50   | 5.696G            | 51   | 5.337G            | 52   | 5.621G            |
| 53                                               | 5.265G            | 54   | 5.399G            | 55   | 5.609G            | 56   | 5.722G            |
| 57                                               | 5.401G            | 58   | 5.667G            | 59   | 5.473G            | 60   | 5.511G            |
| 61                                               | 5.350G            | 62   | 5.614G            | 63   | 5.516G            | 64   | 5.409G            |
| 65                                               | 5.260G            | 66   | 5.709G            | 67   | 5.677G            | 68   | 5.590G            |
| 69                                               | 5.671G            | 70   | 5.418G            | 71   | 5.297G            | 72   | 5.623G            |
| 73                                               | 5.539G            | 74   | 5.371G            | 75   | 5.280G            | 76   | 5.422G            |
| 77                                               | 5.607G            | 78   | 5.407G            | 79   | 5.533G            | 80   | 5.316G            |
| 81                                               | 5.301G            | 82   | 5.640G            | 83   | 5.610G            | 84   | 5.454G            |
| 85                                               | 5.413G            | 86   | 5.512G            | 87   | 5.577G            | 88   | 5.557G            |
| 89                                               | 5.471G            | 90   | 5.622G            | 91   | 5.439G            | 92   | 5.361G            |
| 93                                               | 5.582G            | 94   | 5.360G            | 95   | 5.440G            | 96   | 5.537G            |
| 97                                               | 5.406G            | 98   | 5.585G            | 99   | 5.342G            | 100  | 5.462G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.664G            | 2    | 5.377G            | 3    | 5.595G            | 4    | 5.701G            |
| 5                                                | 5.596G            | 6    | 5.490G            | 7    | 5.573G            | 8    | 5.706G            |
| 9                                                | 5.594G            | 10   | 5.393G            | 11   | 5.581G            | 12   | 5.592G            |
| 13                                               | 5.403G            | 14   | 5.547G            | 15   | 5.428G            | 16   | 5.314G            |
| 17                                               | 5.643G            | 18   | 5.585G            | 19   | 5.444G            | 20   | 5.405G            |
| 21                                               | 5.279G            | 22   | 5.294G            | 23   | 5.477G            | 24   | 5.277G            |
| 25                                               | 5.543G            | 26   | 5.338G            | 27   | 5.720G            | 28   | 5.613G            |
| 29                                               | 5.323G            | 30   | 5.541G            | 31   | 5.496G            | 32   | 5.270G            |
| 33                                               | 5.499G            | 34   | 5.410G            | 35   | 5.530G            | 36   | 5.339G            |
| 37                                               | 5.452G            | 38   | 5.287G            | 39   | 5.423G            | 40   | 5.375G            |
| 41                                               | 5.328G            | 42   | 5.644G            | 43   | 5.620G            | 44   | 5.333G            |
| 45                                               | 5.635G            | 46   | 5.566G            | 47   | 5.645G            | 48   | 5.497G            |
| 49                                               | 5.325G            | 50   | 5.417G            | 51   | 5.523G            | 52   | 5.562G            |
| 53                                               | 5.605G            | 54   | 5.495G            | 55   | 5.271G            | 56   | 5.693G            |
| 57                                               | 5.442G            | 58   | 5.524G            | 59   | 5.637G            | 60   | 5.407G            |
| 61                                               | 5.421G            | 62   | 5.342G            | 63   | 5.435G            | 64   | 5.590G            |
| 65                                               | 5.636G            | 66   | 5.711G            | 67   | 5.468G            | 68   | 5.288G            |
| 69                                               | 5.488G            | 70   | 5.719G            | 71   | 5.699G            | 72   | 5.400G            |
| 73                                               | 5.343G            | 74   | 5.589G            | 75   | 5.379G            | 76   | 5.408G            |
| 77                                               | 5.406G            | 78   | 5.712G            | 79   | 5.370G            | 80   | 5.268G            |
| 81                                               | 5.299G            | 82   | 5.576G            | 83   | 5.619G            | 84   | 5.332G            |
| 85                                               | 5.361G            | 86   | 5.465G            | 87   | 5.517G            | 88   | 5.485G            |
| 89                                               | 5.724G            | 90   | 5.557G            | 91   | 5.297G            | 92   | 5.586G            |
| 93                                               | 5.321G            | 94   | 5.368G            | 95   | 5.683G            | 96   | 5.526G            |
| 97                                               | 5.649G            | 98   | 5.587G            | 99   | 5.582G            | 100  | 5.681G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.265G            | 2    | 5.645G            | 3    | 5.335G            | 4    | 5.680G            |
| 5                                                | 5.551G            | 6    | 5.661G            | 7    | 5.669G            | 8    | 5.387G            |
| 9                                                | 5.352G            | 10   | 5.635G            | 11   | 5.451G            | 12   | 5.534G            |
| 13                                               | 5.511G            | 14   | 5.708G            | 15   | 5.721G            | 16   | 5.644G            |
| 17                                               | 5.524G            | 18   | 5.634G            | 19   | 5.453G            | 20   | 5.698G            |
| 21                                               | 5.631G            | 22   | 5.445G            | 23   | 5.279G            | 24   | 5.582G            |
| 25                                               | 5.488G            | 26   | 5.687G            | 27   | 5.292G            | 28   | 5.673G            |
| 29                                               | 5.361G            | 30   | 5.256G            | 31   | 5.471G            | 32   | 5.523G            |
| 33                                               | 5.464G            | 34   | 5.330G            | 35   | 5.555G            | 36   | 5.499G            |
| 37                                               | 5.700G            | 38   | 5.613G            | 39   | 5.695G            | 40   | 5.672G            |
| 41                                               | 5.591G            | 42   | 5.399G            | 43   | 5.432G            | 44   | 5.664G            |
| 45                                               | 5.578G            | 46   | 5.571G            | 47   | 5.478G            | 48   | 5.463G            |
| 49                                               | 5.431G            | 50   | 5.516G            | 51   | 5.371G            | 52   | 5.652G            |
| 53                                               | 5.709G            | 54   | 5.692G            | 55   | 5.421G            | 56   | 5.480G            |
| 57                                               | 5.425G            | 58   | 5.293G            | 59   | 5.285G            | 60   | 5.693G            |
| 61                                               | 5.666G            | 62   | 5.609G            | 63   | 5.377G            | 64   | 5.338G            |
| 65                                               | 5.597G            | 66   | 5.430G            | 67   | 5.568G            | 68   | 5.489G            |
| 69                                               | 5.495G            | 70   | 5.479G            | 71   | 5.304G            | 72   | 5.527G            |
| 73                                               | 5.473G            | 74   | 5.397G            | 75   | 5.643G            | 76   | 5.626G            |
| 77                                               | 5.411G            | 78   | 5.702G            | 79   | 5.409G            | 80   | 5.512G            |
| 81                                               | 5.599G            | 82   | 5.497G            | 83   | 5.393G            | 84   | 5.351G            |
| 85                                               | 5.706G            | 86   | 5.327G            | 87   | 5.660G            | 88   | 5.437G            |
| 89                                               | 5.322G            | 90   | 5.566G            | 91   | 5.553G            | 92   | 5.501G            |
| 93                                               | 5.315G            | 94   | 5.590G            | 95   | 5.385G            | 96   | 5.650G            |
| 97                                               | 5.614G            | 98   | 5.705G            | 99   | 5.276G            | 100  | 5.469G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.609G            | 2    | 5.255G            | 3    | 5.447G            | 4    | 5.276G            |
| 5                                                | 5.345G            | 6    | 5.385G            | 7    | 5.526G            | 8    | 5.623G            |
| 9                                                | 5.601G            | 10   | 5.535G            | 11   | 5.657G            | 12   | 5.300G            |
| 13                                               | 5.306G            | 14   | 5.708G            | 15   | 5.495G            | 16   | 5.422G            |
| 17                                               | 5.658G            | 18   | 5.379G            | 19   | 5.692G            | 20   | 5.502G            |
| 21                                               | 5.253G            | 22   | 5.498G            | 23   | 5.380G            | 24   | 5.670G            |
| 25                                               | 5.460G            | 26   | 5.514G            | 27   | 5.545G            | 28   | 5.319G            |
| 29                                               | 5.252G            | 30   | 5.457G            | 31   | 5.478G            | 32   | 5.707G            |
| 33                                               | 5.722G            | 34   | 5.681G            | 35   | 5.329G            | 36   | 5.390G            |
| 37                                               | 5.367G            | 38   | 5.622G            | 39   | 5.286G            | 40   | 5.472G            |
| 41                                               | 5.435G            | 42   | 5.427G            | 43   | 5.458G            | 44   | 5.715G            |
| 45                                               | 5.537G            | 46   | 5.312G            | 47   | 5.671G            | 48   | 5.521G            |
| 49                                               | 5.322G            | 50   | 5.655G            | 51   | 5.308G            | 52   | 5.484G            |
| 53                                               | 5.361G            | 54   | 5.304G            | 55   | 5.259G            | 56   | 5.418G            |
| 57                                               | 5.360G            | 58   | 5.724G            | 59   | 5.594G            | 60   | 5.420G            |
| 61                                               | 5.549G            | 62   | 5.454G            | 63   | 5.314G            | 64   | 5.569G            |
| 65                                               | 5.467G            | 66   | 5.450G            | 67   | 5.519G            | 68   | 5.444G            |
| 69                                               | 5.268G            | 70   | 5.663G            | 71   | 5.709G            | 72   | 5.610G            |
| 73                                               | 5.621G            | 74   | 5.647G            | 75   | 5.648G            | 76   | 5.557G            |
| 77                                               | 5.529G            | 78   | 5.483G            | 79   | 5.589G            | 80   | 5.377G            |
| 81                                               | 5.338G            | 82   | 5.698G            | 83   | 5.433G            | 84   | 5.446G            |
| 85                                               | 5.618G            | 86   | 5.597G            | 87   | 5.393G            | 88   | 5.554G            |
| 89                                               | 5.477G            | 90   | 5.403G            | 91   | 5.280G            | 92   | 5.719G            |
| 93                                               | 5.263G            | 94   | 5.465G            | 95   | 5.305G            | 96   | 5.646G            |
| 97                                               | 5.550G            | 98   | 5.396G            | 99   | 5.637G            | 100  | 5.716G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.401G            | 2    | 5.459G            | 3    | 5.412G            | 4    | 5.639G            |
| 5                                                | 5.383G            | 6    | 5.630G            | 7    | 5.689G            | 8    | 5.673G            |
| 9                                                | 5.441G            | 10   | 5.384G            | 11   | 5.432G            | 12   | 5.451G            |
| 13                                               | 5.608G            | 14   | 5.440G            | 15   | 5.593G            | 16   | 5.398G            |
| 17                                               | 5.590G            | 18   | 5.280G            | 19   | 5.339G            | 20   | 5.257G            |
| 21                                               | 5.702G            | 22   | 5.422G            | 23   | 5.648G            | 24   | 5.683G            |
| 25                                               | 5.642G            | 26   | 5.479G            | 27   | 5.354G            | 28   | 5.718G            |
| 29                                               | 5.633G            | 30   | 5.620G            | 31   | 5.562G            | 32   | 5.334G            |
| 33                                               | 5.515G            | 34   | 5.546G            | 35   | 5.585G            | 36   | 5.486G            |
| 37                                               | 5.366G            | 38   | 5.409G            | 39   | 5.375G            | 40   | 5.392G            |
| 41                                               | 5.482G            | 42   | 5.313G            | 43   | 5.660G            | 44   | 5.279G            |
| 45                                               | 5.563G            | 46   | 5.617G            | 47   | 5.694G            | 48   | 5.307G            |
| 49                                               | 5.314G            | 50   | 5.376G            | 51   | 5.447G            | 52   | 5.697G            |
| 53                                               | 5.393G            | 54   | 5.698G            | 55   | 5.335G            | 56   | 5.358G            |
| 57                                               | 5.503G            | 58   | 5.605G            | 59   | 5.712G            | 60   | 5.413G            |
| 61                                               | 5.285G            | 62   | 5.662G            | 63   | 5.576G            | 64   | 5.429G            |
| 65                                               | 5.365G            | 66   | 5.653G            | 67   | 5.284G            | 68   | 5.687G            |
| 69                                               | 5.415G            | 70   | 5.315G            | 71   | 5.347G            | 72   | 5.722G            |
| 73                                               | 5.613G            | 74   | 5.372G            | 75   | 5.425G            | 76   | 5.504G            |
| 77                                               | 5.723G            | 78   | 5.330G            | 79   | 5.672G            | 80   | 5.473G            |
| 81                                               | 5.423G            | 82   | 5.618G            | 83   | 5.526G            | 84   | 5.452G            |
| 85                                               | 5.301G            | 86   | 5.460G            | 87   | 5.652G            | 88   | 5.592G            |
| 89                                               | 5.547G            | 90   | 5.286G            | 91   | 5.614G            | 92   | 5.603G            |
| 93                                               | 5.696G            | 94   | 5.484G            | 95   | 5.721G            | 96   | 5.343G            |
| 97                                               | 5.519G            | 98   | 5.667G            | 99   | 5.407G            | 100  | 5.489G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.338G            | 2    | 5.690G            | 3    | 5.513G            | 4    | 5.614G            |
| 5                                                | 5.452G            | 6    | 5.451G            | 7    | 5.357G            | 8    | 5.646G            |
| 9                                                | 5.375G            | 10   | 5.403G            | 11   | 5.400G            | 12   | 5.341G            |
| 13                                               | 5.469G            | 14   | 5.723G            | 15   | 5.707G            | 16   | 5.314G            |
| 17                                               | 5.708G            | 18   | 5.474G            | 19   | 5.336G            | 20   | 5.416G            |
| 21                                               | 5.427G            | 22   | 5.521G            | 23   | 5.593G            | 24   | 5.611G            |
| 25                                               | 5.598G            | 26   | 5.558G            | 27   | 5.652G            | 28   | 5.581G            |
| 29                                               | 5.383G            | 30   | 5.642G            | 31   | 5.313G            | 32   | 5.649G            |
| 33                                               | 5.722G            | 34   | 5.664G            | 35   | 5.561G            | 36   | 5.594G            |
| 37                                               | 5.266G            | 38   | 5.334G            | 39   | 5.685G            | 40   | 5.701G            |
| 41                                               | 5.437G            | 42   | 5.544G            | 43   | 5.332G            | 44   | 5.603G            |
| 45                                               | 5.465G            | 46   | 5.379G            | 47   | 5.579G            | 48   | 5.262G            |
| 49                                               | 5.250G            | 50   | 5.724G            | 51   | 5.283G            | 52   | 5.291G            |
| 53                                               | 5.587G            | 54   | 5.391G            | 55   | 5.329G            | 56   | 5.382G            |
| 57                                               | 5.372G            | 58   | 5.645G            | 59   | 5.455G            | 60   | 5.596G            |
| 61                                               | 5.422G            | 62   | 5.251G            | 63   | 5.609G            | 64   | 5.559G            |
| 65                                               | 5.497G            | 66   | 5.253G            | 67   | 5.545G            | 68   | 5.438G            |
| 69                                               | 5.488G            | 70   | 5.697G            | 71   | 5.503G            | 72   | 5.348G            |
| 73                                               | 5.583G            | 74   | 5.390G            | 75   | 5.647G            | 76   | 5.377G            |
| 77                                               | 5.535G            | 78   | 5.298G            | 79   | 5.556G            | 80   | 5.571G            |
| 81                                               | 5.644G            | 82   | 5.625G            | 83   | 5.490G            | 84   | 5.610G            |
| 85                                               | 5.592G            | 86   | 5.426G            | 87   | 5.280G            | 88   | 5.591G            |
| 89                                               | 5.305G            | 90   | 5.564G            | 91   | 5.721G            | 92   | 5.285G            |
| 93                                               | 5.526G            | 94   | 5.315G            | 95   | 5.698G            | 96   | 5.624G            |
| 97                                               | 5.258G            | 98   | 5.505G            | 99   | 5.606G            | 100  | 5.516G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.337G            | 2    | 5.639G            | 3    | 5.406G            | 4    | 5.583G            |
| 5                                                | 5.403G            | 6    | 5.551G            | 7    | 5.705G            | 8    | 5.571G            |
| 9                                                | 5.488G            | 10   | 5.253G            | 11   | 5.519G            | 12   | 5.369G            |
| 13                                               | 5.575G            | 14   | 5.445G            | 15   | 5.511G            | 16   | 5.419G            |
| 17                                               | 5.619G            | 18   | 5.261G            | 19   | 5.473G            | 20   | 5.710G            |
| 21                                               | 5.580G            | 22   | 5.657G            | 23   | 5.446G            | 24   | 5.508G            |
| 25                                               | 5.355G            | 26   | 5.634G            | 27   | 5.334G            | 28   | 5.460G            |
| 29                                               | 5.648G            | 30   | 5.546G            | 31   | 5.608G            | 32   | 5.674G            |
| 33                                               | 5.534G            | 34   | 5.723G            | 35   | 5.256G            | 36   | 5.629G            |
| 37                                               | 5.459G            | 38   | 5.352G            | 39   | 5.293G            | 40   | 5.517G            |
| 41                                               | 5.322G            | 42   | 5.467G            | 43   | 5.557G            | 44   | 5.672G            |
| 45                                               | 5.703G            | 46   | 5.415G            | 47   | 5.296G            | 48   | 5.547G            |
| 49                                               | 5.435G            | 50   | 5.465G            | 51   | 5.260G            | 52   | 5.282G            |
| 53                                               | 5.374G            | 54   | 5.430G            | 55   | 5.494G            | 56   | 5.640G            |
| 57                                               | 5.268G            | 58   | 5.432G            | 59   | 5.392G            | 60   | 5.307G            |
| 61                                               | 5.393G            | 62   | 5.344G            | 63   | 5.416G            | 64   | 5.285G            |
| 65                                               | 5.638G            | 66   | 5.597G            | 67   | 5.516G            | 68   | 5.690G            |
| 69                                               | 5.449G            | 70   | 5.504G            | 71   | 5.572G            | 72   | 5.669G            |
| 73                                               | 5.594G            | 74   | 5.532G            | 75   | 5.628G            | 76   | 5.673G            |
| 77                                               | 5.448G            | 78   | 5.537G            | 79   | 5.326G            | 80   | 5.266G            |
| 81                                               | 5.697G            | 82   | 5.522G            | 83   | 5.678G            | 84   | 5.655G            |
| 85                                               | 5.422G            | 86   | 5.317G            | 87   | 5.602G            | 88   | 5.264G            |
| 89                                               | 5.589G            | 90   | 5.627G            | 91   | 5.491G            | 92   | 5.701G            |
| 93                                               | 5.436G            | 94   | 5.680G            | 95   | 5.478G            | 96   | 5.558G            |
| 97                                               | 5.320G            | 98   | 5.662G            | 99   | 5.525G            | 100  | 5.434G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.518G            | 2    | 5.489G            | 3    | 5.280G            | 4    | 5.598G            |
| 5                                                | 5.417G            | 6    | 5.447G            | 7    | 5.418G            | 8    | 5.400G            |
| 9                                                | 5.674G            | 10   | 5.631G            | 11   | 5.668G            | 12   | 5.577G            |
| 13                                               | 5.654G            | 14   | 5.251G            | 15   | 5.570G            | 16   | 5.649G            |
| 17                                               | 5.318G            | 18   | 5.373G            | 19   | 5.558G            | 20   | 5.544G            |
| 21                                               | 5.331G            | 22   | 5.695G            | 23   | 5.395G            | 24   | 5.628G            |
| 25                                               | 5.551G            | 26   | 5.338G            | 27   | 5.678G            | 28   | 5.375G            |
| 29                                               | 5.448G            | 30   | 5.254G            | 31   | 5.693G            | 32   | 5.273G            |
| 33                                               | 5.501G            | 34   | 5.596G            | 35   | 5.406G            | 36   | 5.295G            |
| 37                                               | 5.253G            | 38   | 5.430G            | 39   | 5.315G            | 40   | 5.650G            |
| 41                                               | 5.565G            | 42   | 5.504G            | 43   | 5.533G            | 44   | 5.664G            |
| 45                                               | 5.547G            | 46   | 5.307G            | 47   | 5.385G            | 48   | 5.561G            |
| 49                                               | 5.521G            | 50   | 5.303G            | 51   | 5.383G            | 52   | 5.525G            |
| 53                                               | 5.300G            | 54   | 5.641G            | 55   | 5.613G            | 56   | 5.291G            |
| 57                                               | 5.614G            | 58   | 5.588G            | 59   | 5.365G            | 60   | 5.294G            |
| 61                                               | 5.600G            | 62   | 5.445G            | 63   | 5.387G            | 64   | 5.468G            |
| 65                                               | 5.405G            | 66   | 5.429G            | 67   | 5.450G            | 68   | 5.288G            |
| 69                                               | 5.462G            | 70   | 5.464G            | 71   | 5.443G            | 72   | 5.659G            |
| 73                                               | 5.344G            | 74   | 5.636G            | 75   | 5.611G            | 76   | 5.432G            |
| 77                                               | 5.341G            | 78   | 5.532G            | 79   | 5.420G            | 80   | 5.449G            |
| 81                                               | 5.284G            | 82   | 5.414G            | 83   | 5.724G            | 84   | 5.440G            |
| 85                                               | 5.556G            | 86   | 5.455G            | 87   | 5.499G            | 88   | 5.474G            |
| 89                                               | 5.481G            | 90   | 5.363G            | 91   | 5.478G            | 92   | 5.456G            |
| 93                                               | 5.264G            | 94   | 5.633G            | 95   | 5.589G            | 96   | 5.686G            |
| 97                                               | 5.538G            | 98   | 5.569G            | 99   | 5.524G            | 100  | 5.578G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.368G            | 2    | 5.583G            | 3    | 5.564G            | 4    | 5.520G            |
| 5                                                | 5.428G            | 6    | 5.366G            | 7    | 5.611G            | 8    | 5.390G            |
| 9                                                | 5.616G            | 10   | 5.556G            | 11   | 5.539G            | 12   | 5.485G            |
| 13                                               | 5.360G            | 14   | 5.302G            | 15   | 5.581G            | 16   | 5.614G            |
| 17                                               | 5.353G            | 18   | 5.358G            | 19   | 5.582G            | 20   | 5.325G            |
| 21                                               | 5.348G            | 22   | 5.292G            | 23   | 5.287G            | 24   | 5.567G            |
| 25                                               | 5.615G            | 26   | 5.346G            | 27   | 5.531G            | 28   | 5.263G            |
| 29                                               | 5.272G            | 30   | 5.282G            | 31   | 5.657G            | 32   | 5.554G            |
| 33                                               | 5.618G            | 34   | 5.580G            | 35   | 5.525G            | 36   | 5.291G            |
| 37                                               | 5.715G            | 38   | 5.343G            | 39   | 5.534G            | 40   | 5.312G            |
| 41                                               | 5.275G            | 42   | 5.270G            | 43   | 5.718G            | 44   | 5.696G            |
| 45                                               | 5.671G            | 46   | 5.307G            | 47   | 5.332G            | 48   | 5.721G            |
| 49                                               | 5.462G            | 50   | 5.714G            | 51   | 5.451G            | 52   | 5.679G            |
| 53                                               | 5.422G            | 54   | 5.317G            | 55   | 5.640G            | 56   | 5.695G            |
| 57                                               | 5.722G            | 58   | 5.598G            | 59   | 5.607G            | 60   | 5.648G            |
| 61                                               | 5.547G            | 62   | 5.396G            | 63   | 5.523G            | 64   | 5.659G            |
| 65                                               | 5.624G            | 66   | 5.584G            | 67   | 5.660G            | 68   | 5.452G            |
| 69                                               | 5.550G            | 70   | 5.440G            | 71   | 5.683G            | 72   | 5.382G            |
| 73                                               | 5.562G            | 74   | 5.578G            | 75   | 5.513G            | 76   | 5.393G            |
| 77                                               | 5.379G            | 78   | 5.409G            | 79   | 5.362G            | 80   | 5.297G            |
| 81                                               | 5.597G            | 82   | 5.337G            | 83   | 5.711G            | 84   | 5.460G            |
| 85                                               | 5.576G            | 86   | 5.605G            | 87   | 5.645G            | 88   | 5.591G            |
| 89                                               | 5.667G            | 90   | 5.398G            | 91   | 5.456G            | 92   | 5.380G            |
| 93                                               | 5.710G            | 94   | 5.636G            | 95   | 5.315G            | 96   | 5.277G            |
| 97                                               | 5.441G            | 98   | 5.676G            | 99   | 5.593G            | 100  | 5.394G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.336G            | 2    | 5.506G            | 3    | 5.514G            | 4    | 5.286G            |
| 5                                                | 5.715G            | 6    | 5.452G            | 7    | 5.408G            | 8    | 5.722G            |
| 9                                                | 5.332G            | 10   | 5.606G            | 11   | 5.608G            | 12   | 5.630G            |
| 13                                               | 5.676G            | 14   | 5.547G            | 15   | 5.568G            | 16   | 5.436G            |
| 17                                               | 5.503G            | 18   | 5.344G            | 19   | 5.723G            | 20   | 5.331G            |
| 21                                               | 5.637G            | 22   | 5.454G            | 23   | 5.589G            | 24   | 5.517G            |
| 25                                               | 5.586G            | 26   | 5.474G            | 27   | 5.267G            | 28   | 5.686G            |
| 29                                               | 5.333G            | 30   | 5.540G            | 31   | 5.585G            | 32   | 5.678G            |
| 33                                               | 5.482G            | 34   | 5.549G            | 35   | 5.473G            | 36   | 5.695G            |
| 37                                               | 5.412G            | 38   | 5.600G            | 39   | 5.620G            | 40   | 5.272G            |
| 41                                               | 5.499G            | 42   | 5.424G            | 43   | 5.366G            | 44   | 5.594G            |
| 45                                               | 5.526G            | 46   | 5.625G            | 47   | 5.632G            | 48   | 5.572G            |
| 49                                               | 5.260G            | 50   | 5.463G            | 51   | 5.679G            | 52   | 5.444G            |
| 53                                               | 5.716G            | 54   | 5.388G            | 55   | 5.587G            | 56   | 5.592G            |
| 57                                               | 5.399G            | 58   | 5.327G            | 59   | 5.607G            | 60   | 5.529G            |
| 61                                               | 5.455G            | 62   | 5.554G            | 63   | 5.688G            | 64   | 5.534G            |
| 65                                               | 5.250G            | 66   | 5.295G            | 67   | 5.541G            | 68   | 5.402G            |
| 69                                               | 5.551G            | 70   | 5.595G            | 71   | 5.459G            | 72   | 5.516G            |
| 73                                               | 5.467G            | 74   | 5.544G            | 75   | 5.358G            | 76   | 5.393G            |
| 77                                               | 5.490G            | 78   | 5.656G            | 79   | 5.493G            | 80   | 5.639G            |
| 81                                               | 5.410G            | 82   | 5.494G            | 83   | 5.346G            | 84   | 5.304G            |
| 85                                               | 5.357G            | 86   | 5.616G            | 87   | 5.339G            | 88   | 5.316G            |
| 89                                               | 5.318G            | 90   | 5.510G            | 91   | 5.405G            | 92   | 5.697G            |
| 93                                               | 5.483G            | 94   | 5.535G            | 95   | 5.672G            | 96   | 5.645G            |
| 97                                               | 5.558G            | 98   | 5.284G            | 99   | 5.460G            | 100  | 5.519G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.666G            | 2    | 5.685G            | 3    | 5.395G            | 4    | 5.370G            |
| 5                                                | 5.611G            | 6    | 5.291G            | 7    | 5.687G            | 8    | 5.327G            |
| 9                                                | 5.307G            | 10   | 5.486G            | 11   | 5.389G            | 12   | 5.604G            |
| 13                                               | 5.319G            | 14   | 5.463G            | 15   | 5.445G            | 16   | 5.357G            |
| 17                                               | 5.415G            | 18   | 5.721G            | 19   | 5.587G            | 20   | 5.585G            |
| 21                                               | 5.558G            | 22   | 5.574G            | 23   | 5.675G            | 24   | 5.566G            |
| 25                                               | 5.679G            | 26   | 5.570G            | 27   | 5.488G            | 28   | 5.640G            |
| 29                                               | 5.406G            | 30   | 5.617G            | 31   | 5.386G            | 32   | 5.592G            |
| 33                                               | 5.382G            | 34   | 5.448G            | 35   | 5.479G            | 36   | 5.461G            |
| 37                                               | 5.273G            | 38   | 5.671G            | 39   | 5.458G            | 40   | 5.432G            |
| 41                                               | 5.544G            | 42   | 5.271G            | 43   | 5.628G            | 44   | 5.343G            |
| 45                                               | 5.689G            | 46   | 5.709G            | 47   | 5.691G            | 48   | 5.529G            |
| 49                                               | 5.540G            | 50   | 5.633G            | 51   | 5.623G            | 52   | 5.667G            |
| 53                                               | 5.536G            | 54   | 5.277G            | 55   | 5.577G            | 56   | 5.625G            |
| 57                                               | 5.454G            | 58   | 5.595G            | 59   | 5.660G            | 60   | 5.564G            |
| 61                                               | 5.673G            | 62   | 5.362G            | 63   | 5.692G            | 64   | 5.252G            |
| 65                                               | 5.680G            | 66   | 5.304G            | 67   | 5.459G            | 68   | 5.436G            |
| 69                                               | 5.314G            | 70   | 5.723G            | 71   | 5.423G            | 72   | 5.651G            |
| 73                                               | 5.435G            | 74   | 5.553G            | 75   | 5.562G            | 76   | 5.602G            |
| 77                                               | 5.368G            | 78   | 5.646G            | 79   | 5.441G            | 80   | 5.412G            |
| 81                                               | 5.718G            | 82   | 5.552G            | 83   | 5.430G            | 84   | 5.607G            |
| 85                                               | 5.404G            | 86   | 5.393G            | 87   | 5.420G            | 88   | 5.672G            |
| 89                                               | 5.669G            | 90   | 5.596G            | 91   | 5.384G            | 92   | 5.428G            |
| 93                                               | 5.495G            | 94   | 5.268G            | 95   | 5.606G            | 96   | 5.551G            |
| 97                                               | 5.377G            | 98   | 5.588G            | 99   | 5.352G            | 100  | 5.477G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.458G            | 2    | 5.613G            | 3    | 5.717G            | 4    | 5.475G            |
| 5                                                | 5.607G            | 6    | 5.589G            | 7    | 5.417G            | 8    | 5.406G            |
| 9                                                | 5.298G            | 10   | 5.318G            | 11   | 5.710G            | 12   | 5.667G            |
| 13                                               | 5.351G            | 14   | 5.347G            | 15   | 5.300G            | 16   | 5.619G            |
| 17                                               | 5.309G            | 18   | 5.502G            | 19   | 5.578G            | 20   | 5.639G            |
| 21                                               | 5.573G            | 22   | 5.448G            | 23   | 5.462G            | 24   | 5.721G            |
| 25                                               | 5.389G            | 26   | 5.509G            | 27   | 5.414G            | 28   | 5.443G            |
| 29                                               | 5.262G            | 30   | 5.571G            | 31   | 5.558G            | 32   | 5.285G            |
| 33                                               | 5.529G            | 34   | 5.606G            | 35   | 5.419G            | 36   | 5.352G            |
| 37                                               | 5.566G            | 38   | 5.459G            | 39   | 5.304G            | 40   | 5.398G            |
| 41                                               | 5.339G            | 42   | 5.408G            | 43   | 5.281G            | 44   | 5.663G            |
| 45                                               | 5.690G            | 46   | 5.405G            | 47   | 5.335G            | 48   | 5.577G            |
| 49                                               | 5.491G            | 50   | 5.424G            | 51   | 5.411G            | 52   | 5.581G            |
| 53                                               | 5.715G            | 54   | 5.686G            | 55   | 5.267G            | 56   | 5.594G            |
| 57                                               | 5.277G            | 58   | 5.596G            | 59   | 5.457G            | 60   | 5.554G            |
| 61                                               | 5.388G            | 62   | 5.669G            | 63   | 5.474G            | 64   | 5.720G            |
| 65                                               | 5.453G            | 66   | 5.658G            | 67   | 5.500G            | 68   | 5.677G            |
| 69                                               | 5.358G            | 70   | 5.287G            | 71   | 5.338G            | 72   | 5.394G            |
| 73                                               | 5.609G            | 74   | 5.676G            | 75   | 5.353G            | 76   | 5.379G            |
| 77                                               | 5.616G            | 78   | 5.625G            | 79   | 5.257G            | 80   | 5.595G            |
| 81                                               | 5.588G            | 82   | 5.426G            | 83   | 5.556G            | 84   | 5.680G            |
| 85                                               | 5.373G            | 86   | 5.674G            | 87   | 5.350G            | 88   | 5.628G            |
| 89                                               | 5.423G            | 90   | 5.418G            | 91   | 5.260G            | 92   | 5.590G            |
| 93                                               | 5.392G            | 94   | 5.532G            | 95   | 5.478G            | 96   | 5.582G            |
| 97                                               | 5.562G            | 98   | 5.326G            | 99   | 5.548G            | 100  | 5.286G            |

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| Type 1 Radar Statistical Performances |                  |                 |                                   |         |                       |                        |
|---------------------------------------|------------------|-----------------|-----------------------------------|---------|-----------------------|------------------------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | Pulse Repetition Frequency Number | PRI (s) | Radar Frequency (MHz) | Detection              |
| 1                                     | 102              | 1.0u            | 1                                 | 518.0u  | 5291                  | Yes                    |
| 2                                     | 95               | 1.0u            | 3                                 | 558.0u  | 5293                  | Yes                    |
| 3                                     | 89               | 1.0u            | 5                                 | 598.0u  | 5294                  | No                     |
| 4                                     | 83               | 1.0u            | 7                                 | 638.0u  | 5295                  | Yes                    |
| 5                                     | 78               | 1.0u            | 9                                 | 678.0u  | 5297                  | Yes                    |
| 6                                     | 76               | 1.0u            | 10                                | 698.0u  | 5299                  | Yes                    |
| 7                                     | 74               | 1.0u            | 11                                | 718.0u  | 5300                  | Yes                    |
| 8                                     | 72               | 1.0u            | 12                                | 738.0u  | 5301                  | Yes                    |
| 9                                     | 68               | 1.0u            | 14                                | 778.0u  | 5303                  | Yes                    |
| 10                                    | 67               | 1.0u            | 15                                | 798.0u  | 5305                  | Yes                    |
| 11                                    | 63               | 1.0u            | 17                                | 838.0u  | 5306                  | Yes                    |
| 12                                    | 62               | 1.0u            | 18                                | 858.0u  | 5307                  | Yes                    |
| 13                                    | 59               | 1.0u            | 20                                | 898.0u  | 5308                  | Yes                    |
| 14                                    | 58               | 1.0u            | 21                                | 918.0u  | 5309                  | Yes                    |
| 15                                    | 57               | 1.0u            | 22                                | 938.0u  | 5310                  | Yes                    |
| 16                                    | 66               | 1.0u            | -                                 | 805.0u  | 5312                  | Yes                    |
| 17                                    | 63               | 1.0u            | -                                 | 845.0u  | 5313                  | Yes                    |
| 18                                    | 60               | 1.0u            | -                                 | 885.0u  | 5314                  | Yes                    |
| 19                                    | 59               | 1.0u            | -                                 | 905.0u  | 5316                  | Yes                    |
| 20                                    | 69               | 1.0u            | -                                 | 771.0u  | 5317                  | No                     |
| 21                                    | 66               | 1.0u            | -                                 | 811.0u  | 5319                  | Yes                    |
| 22                                    | 63               | 1.0u            | -                                 | 851.0u  | 5320                  | Yes                    |
| 23                                    | 60               | 1.0u            | -                                 | 891.0u  | 5322                  | Yes                    |
| 24                                    | 58               | 1.0u            | -                                 | 911.0u  | 5323                  | Yes                    |
| 25                                    | 92               | 1.0u            | -                                 | 577.0u  | 5324                  | Yes                    |
| 26                                    | 86               | 1.0u            | -                                 | 617.0u  | 5325                  | Yes                    |
| 27                                    | 78               | 1.0u            | -                                 | 677.0u  | 5326                  | Yes                    |
| 28                                    | 74               | 1.0u            | -                                 | 717.0u  | 5327                  | Yes                    |
| 29                                    | 68               | 1.0u            | -                                 | 777.0u  | 5328                  | Yes                    |
| 30                                    | 58               | 1.0u            | -                                 | 917.0u  | 5329                  | Yes                    |
|                                       |                  |                 |                                   |         |                       | Detection Rate: 93.3 % |

| Type 2 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 25               | 4.6u            | 200.0u  | 5291                  | Yes       |
| 2                                     | 27               | 2.8u            | 200.0u  | 5293                  | Yes       |
| 3                                     | 27               | 1.7u            | 161.0u  | 5294                  | No        |
| 4                                     | 28               | 2.6u            | 220.0u  | 5295                  | Yes       |
| 5                                     | 27               | 2.6u            | 218.0u  | 5297                  | Yes       |
| 6                                     | 27               | 1.7u            | 172.0u  | 5299                  | Yes       |
| 7                                     | 26               | 1.6u            | 191.0u  | 5300                  | Yes       |
| 8                                     | 25               | 3.7u            | 158.0u  | 5301                  | Yes       |
| 9                                     | 28               | 1.5u            | 228.0u  | 5303                  | Yes       |
| 10                                    | 26               | 4.9u            | 198.0u  | 5305                  | Yes       |
| 11                                    | 28               | 1.3u            | 205.0u  | 5306                  | Yes       |
| 12                                    | 29               | 2.6u            | 155.0u  | 5307                  | Yes       |
| 13                                    | 28               | 4.9u            | 224.0u  | 5308                  | Yes       |
| 14                                    | 24               | 2.9u            | 169.0u  | 5309                  | Yes       |
| 15                                    | 28               | 4.1u            | 183.0u  | 5310                  | Yes       |
| 16                                    | 27               | 1.7u            | 192.0u  | 5312                  | Yes       |
| 17                                    | 24               | 2.6u            | 191.0u  | 5313                  | Yes       |
| 18                                    | 27               | 4.6u            | 173.0u  | 5314                  | Yes       |
| 19                                    | 28               | 3.4u            | 187.0u  | 5316                  | Yes       |
| 20                                    | 27               | 4.3u            | 214.0u  | 5317                  | Yes       |
| 21                                    | 29               | 1.2u            | 179.0u  | 5319                  | Yes       |
| 22                                    | 25               | 1.1u            | 154.0u  | 5320                  | Yes       |
| 23                                    | 25               | 4.1u            | 159.0u  | 5322                  | Yes       |
| 24                                    | 28               | 2.9u            | 158.0u  | 5323                  | Yes       |
| 25                                    | 25               | 2.8u            | 215.0u  | 5324                  | Yes       |
| 26                                    | 27               | 4.0u            | 196.0u  | 5325                  | No        |
| 27                                    | 27               | 4.5u            | 215.0u  | 5326                  | Yes       |
| 28                                    | 27               | 2.9u            | 180.0u  | 5327                  | Yes       |
| 29                                    | 27               | 1.5u            | 177.0u  | 5328                  | Yes       |
| 30                                    | 28               | 1.6u            | 186.0u  | 5329                  | Yes       |
| Detection Rate: 93.3 %                |                  |                 |         |                       |           |

| Type 3 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 17               | 9.6u            | 218.0u  | 5291                  | Yes       |
| 2                                     | 18               | 8.4u            | 494.0u  | 5293                  | Yes       |
| 3                                     | 17               | 8.7u            | 375.0u  | 5294                  | Yes       |
| 4                                     | 18               | 7.0u            | 379.0u  | 5295                  | Yes       |
| 5                                     | 17               | 8.9u            | 401.0u  | 5297                  | Yes       |
| 6                                     | 17               | 8.3u            | 348.0u  | 5299                  | Yes       |
| 7                                     | 16               | 6.2u            | 454.0u  | 5300                  | Yes       |
| 8                                     | 18               | 9.2u            | 299.0u  | 5301                  | Yes       |
| 9                                     | 16               | 9.6u            | 347.0u  | 5303                  | Yes       |
| 10                                    | 16               | 7.0u            | 293.0u  | 5305                  | Yes       |
| 11                                    | 17               | 9.7u            | 434.0u  | 5306                  | Yes       |
| 12                                    | 16               | 9.5u            | 405.0u  | 5307                  | Yes       |
| 13                                    | 17               | 9.0u            | 459.0u  | 5308                  | Yes       |
| 14                                    | 18               | 6.2u            | 349.0u  | 5309                  | Yes       |
| 15                                    | 17               | 7.9u            | 225.0u  | 5310                  | Yes       |
| 16                                    | 18               | 8.0u            | 384.0u  | 5312                  | Yes       |
| 17                                    | 17               | 6.5u            | 220.0u  | 5313                  | Yes       |
| 18                                    | 16               | 8.4u            | 225.0u  | 5314                  | No        |
| 19                                    | 17               | 6.1u            | 210.0u  | 5316                  | Yes       |
| 20                                    | 16               | 6.0u            | 260.0u  | 5317                  | Yes       |
| 21                                    | 18               | 9.1u            | 470.0u  | 5319                  | Yes       |
| 22                                    | 16               | 7.1u            | 474.0u  | 5320                  | Yes       |
| 23                                    | 18               | 9.1u            | 433.0u  | 5322                  | Yes       |
| 24                                    | 18               | 9.1u            | 296.0u  | 5323                  | Yes       |
| 25                                    | 16               | 8.5u            | 368.0u  | 5324                  | Yes       |
| 26                                    | 16               | 6.4u            | 315.0u  | 5325                  | Yes       |
| 27                                    | 17               | 6.9u            | 204.0u  | 5326                  | Yes       |
| 28                                    | 18               | 6.8u            | 309.0u  | 5327                  | Yes       |
| 29                                    | 17               | 9.2u            | 351.0u  | 5328                  | No        |
| 30                                    | 17               | 9.0u            | 201.0u  | 5329                  | Yes       |
| Detection Rate: 93.3 %                |                  |                 |         |                       |           |

| Type 4 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 14               | 14.3u           | 312.0u  | 5291                  | Yes       |
| 2                                     | 13               | 18.3u           | 368.0u  | 5293                  | Yes       |
| 3                                     | 13               | 18.4u           | 392.0u  | 5294                  | Yes       |
| 4                                     | 16               | 14.9u           | 457.0u  | 5295                  | Yes       |
| 5                                     | 13               | 15.9u           | 337.0u  | 5297                  | Yes       |
| 6                                     | 14               | 13.7u           | 413.0u  | 5299                  | Yes       |
| 7                                     | 13               | 13.6u           | 263.0u  | 5300                  | Yes       |
| 8                                     | 14               | 11.2u           | 484.0u  | 5301                  | Yes       |
| 9                                     | 12               | 11.6u           | 341.0u  | 5303                  | Yes       |
| 10                                    | 14               | 18.2u           | 448.0u  | 5305                  | Yes       |
| 11                                    | 14               | 14.2u           | 423.0u  | 5306                  | Yes       |
| 12                                    | 14               | 12.4u           | 470.0u  | 5307                  | Yes       |
| 13                                    | 13               | 18.0u           | 336.0u  | 5308                  | Yes       |
| 14                                    | 15               | 17.8u           | 213.0u  | 5309                  | Yes       |
| 15                                    | 14               | 11.8u           | 297.0u  | 5310                  | Yes       |
| 16                                    | 15               | 16.6u           | 436.0u  | 5312                  | Yes       |
| 17                                    | 15               | 16.8u           | 298.0u  | 5313                  | Yes       |
| 18                                    | 13               | 14.9u           | 459.0u  | 5314                  | Yes       |
| 19                                    | 14               | 19.5u           | 286.0u  | 5316                  | Yes       |
| 20                                    | 16               | 18.4u           | 462.0u  | 5317                  | Yes       |
| 21                                    | 15               | 19.0u           | 314.0u  | 5319                  | Yes       |
| 22                                    | 15               | 16.2u           | 284.0u  | 5320                  | Yes       |
| 23                                    | 13               | 16.9u           | 396.0u  | 5322                  | No        |
| 24                                    | 15               | 14.9u           | 202.0u  | 5323                  | No        |
| 25                                    | 14               | 17.8u           | 492.0u  | 5324                  | Yes       |
| 26                                    | 12               | 14.2u           | 451.0u  | 5325                  | Yes       |
| 27                                    | 12               | 18.2u           | 350.0u  | 5326                  | Yes       |
| 28                                    | 15               | 14.7u           | 204.0u  | 5327                  | Yes       |
| 29                                    | 12               | 16.6u           | 418.0u  | 5328                  | Yes       |
| 30                                    | 13               | 14.1u           | 218.0u  | 5329                  | Yes       |
| Detection Rate: 93.3 %                |                  |                 |         |                       |           |



| Type 5 Radar Statistical Performances |                  |           |
|---------------------------------------|------------------|-----------|
| Trial #                               | Test Signal Name | Detection |
| 1                                     | LP_Signal_01     | No        |
| 2                                     | LP_Signal_02     | Yes       |
| 3                                     | LP_Signal_03     | Yes       |
| 4                                     | LP_Signal_04     | Yes       |
| 5                                     | LP_Signal_05     | Yes       |
| 6                                     | LP_Signal_06     | Yes       |
| 7                                     | LP_Signal_07     | Yes       |
| 8                                     | LP_Signal_08     | Yes       |
| 9                                     | LP_Signal_09     | Yes       |
| 10                                    | LP_Signal_10     | Yes       |
| 11                                    | LP_Signal_11     | Yes       |
| 12                                    | LP_Signal_12     | Yes       |
| 13                                    | LP_Signal_13     | Yes       |
| 14                                    | LP_Signal_14     | Yes       |
| 15                                    | LP_Signal_15     | No        |
| 16                                    | LP_Signal_16     | Yes       |
| 17                                    | LP_Signal_17     | Yes       |
| 18                                    | LP_Signal_18     | Yes       |
| 19                                    | LP_Signal_19     | Yes       |
| 20                                    | LP_Signal_20     | Yes       |
| 21                                    | LP_Signal_21     | Yes       |
| 22                                    | LP_Signal_22     | No        |
| 23                                    | LP_Signal_23     | Yes       |
| 24                                    | LP_Signal_24     | Yes       |
| 25                                    | LP_Signal_25     | Yes       |
| 26                                    | LP_Signal_26     | Yes       |
| 27                                    | LP_Signal_27     | Yes       |
| 28                                    | LP_Signal_28     | Yes       |
| 29                                    | LP_Signal_29     | Yes       |
| 30                                    | LP_Signal_30     | No        |
| Detection Rate: 86.7 %                |                  |           |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_01  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5294MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 5M            | 50.4u              | 1.916m                      | -                           | 334.6m                |
| 2                               | 2                   | 5M            | 54.2u              | 1.760m                      | -                           | 40.17m                |
| 3                               | 2                   | 5M            | 66.7u              | 1.591m                      | -                           | 375.0m                |
| 4                               | 1                   | 5M            | 81.8u              | -                           | -                           | 224.8m                |
| 5                               | 3                   | 5M            | 85.3u              | 1.562m                      | 1.550m                      | 598.5m                |
| 6                               | 2                   | 5M            | 50.9u              | 1.097m                      | -                           | 247.8m                |
| 7                               | 3                   | 5M            | 71.5u              | 1.403m                      | 1.250m                      | 384.9m                |
| 8                               | 1                   | 5M            | 57.3u              | -                           | -                           | 545.1m                |
| 9                               | 1                   | 5M            | 99.4u              | -                           | -                           | 327.7m                |
| 10                              | 2                   | 5M            | 81.7u              | 1.762m                      | -                           | 346.5m                |
| 11                              | 3                   | 5M            | 87.0u              | 1.625m                      | 1.683m                      | 237.2m                |
| 12                              | 2                   | 5M            | 94.9u              | 1.522m                      | -                           | 585.4m                |
| 13                              | 2                   | 5M            | 83.5u              | 1.529m                      | -                           | 480.1m                |
| 14                              | 2                   | 5M            | 66.1u              | 1.677m                      | -                           | 545.9m                |
| 15                              | 2                   | 5M            | 52.9u              | 1.709m                      | -                           | 563.8m                |
| 16                              | 3                   | 5M            | 51.5u              | 1.865m                      | 1.887m                      | 433.2m                |
| 17                              | 1                   | 5M            | 82.8u              | -                           | -                           | 4.846m                |
| 18                              | 2                   | 5M            | 84.6u              | 957.4u                      | -                           | 397.1m                |
| 19                              | 3                   | 5M            | 70.6u              | 1.247m                      | 1.791m                      | 432.2m                |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_02  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 13   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5294MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 2                | 5M         | 64.2u           | 1.510m                   | -                        | 171.7m             |
| 2                               | 2                | 5M         | 85.7u           | 1.457m                   | -                        | 23.95m             |
| 3                               | 3                | 5M         | 93.8u           | 1.348m                   | 1.769m                   | 685.0m             |
| 4                               | 3                | 5M         | 85.1u           | 1.065m                   | 1.624m                   | 112.8m             |
| 5                               | 1                | 5M         | 84.7u           | -                        | -                        | 797.2m             |
| 6                               | 2                | 5M         | 80.4u           | 1.702m                   | -                        | 14.43m             |
| 7                               | 1                | 5M         | 98.4u           | -                        | -                        | 314.4m             |
| 8                               | 2                | 5M         | 71.1u           | 1.369m                   | -                        | 529.1m             |
| 9                               | 1                | 5M         | 98.6u           | -                        | -                        | 667.9m             |
| 10                              | 2                | 5M         | 91.7u           | 1.176m                   | -                        | 571.6m             |
| 11                              | 2                | 5M         | 69.1u           | 1.770m                   | -                        | 615.7m             |
| 12                              | 2                | 5M         | 90.9u           | 1.511m                   | -                        | 676.8m             |
| 13                              | 2                | 5M         | 89.6u           | 1.199m                   | -                        | 683.8m             |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_03  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 9    |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5295MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 3                | 8M         | 71.1u           | 1.222m                   | 1.413m                   | 444.6m             |
| 2                               | 2                | 8M         | 59.0u           | 1.893m                   | -                        | 289.7m             |
| 3                               | 2                | 8M         | 60.7u           | 1.211m                   | -                        | 933.9m             |
| 4                               | 3                | 8M         | 68.6u           | 1.430m                   | 1.751m                   | 827.1m             |
| 5                               | 3                | 8M         | 78.0u           | 1.707m                   | 1.351m                   | 65.79m             |
| 6                               | 3                | 8M         | 95.0u           | 1.577m                   | 1.175m                   | 1.235              |
| 7                               | 2                | 8M         | 94.0u           | 1.043m                   | -                        | 1.170              |
| 8                               | 2                | 8M         | 82.2u           | 1.181m                   | -                        | 463.7m             |
| 9                               | 1                | 8M         | 55.8u           | -                        | -                        | 543.3m             |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_04  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 11   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5295MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 8M            | 77.4u              | 1.030m                      | 976.6u                      | 796.6m                |
| 2                               | 1                   | 8M            | 67.0u              | -                           | -                           | 626.7m                |
| 3                               | 2                   | 8M            | 66.8u              | 1.592m                      | -                           | 230.3m                |
| 4                               | 2                   | 8M            | 96.2u              | 1.786m                      | -                           | 706.5m                |
| 5                               | 1                   | 8M            | 73.5u              | -                           | -                           | 809.0m                |
| 6                               | 3                   | 8M            | 64.8u              | 1.909m                      | 1.249m                      | 95.29m                |
| 7                               | 3                   | 8M            | 69.4u              | 1.248m                      | 1.386m                      | 601.9m                |
| 8                               | 2                   | 8M            | 98.4u              | 1.041m                      | -                           | 333.4m                |
| 9                               | 1                   | 8M            | 86.7u              | -                           | -                           | 201.6m                |
| 10                              | 2                   | 8M            | 76.0u              | 1.466m                      | -                           | 691.6m                |
| 11                              | 3                   | 8M            | 64.9u              | 1.673m                      | 1.042m                      | 635.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_05  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5297MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 13M           | 71.5u              | 982.5u                      | -                           | 86.36m                |
| 2                               | 1                   | 13M           | 89.8u              | -                           | -                           | 993.6m                |
| 3                               | 1                   | 13M           | 83.2u              | -                           | -                           | 30.83m                |
| 4                               | 1                   | 13M           | 59.2u              | -                           | -                           | 837.0m                |
| 5                               | 1                   | 13M           | 68.7u              | -                           | -                           | 229.0m                |
| 6                               | 2                   | 13M           | 96.4u              | 1.547m                      | -                           | 543.5m                |
| 7                               | 2                   | 13M           | 84.2u              | 1.813m                      | -                           | 108.2m                |
| 8                               | 1                   | 13M           | 61.5u              | -                           | -                           | 194.1m                |
| 9                               | 2                   | 13M           | 87.9u              | 1.451m                      | -                           | 603.2m                |
| 10                              | 1                   | 13M           | 94.3u              | -                           | -                           | 285.9m                |
| 11                              | 2                   | 13M           | 61.6u              | 1.018m                      | -                           | 423.4m                |
| 12                              | 2                   | 13M           | 55.8u              | 1.245m                      | -                           | 287.7m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_06  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5297MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 13M           | 67.5u              | -                           | -                           | 502.0m                |
| 2                               | 1                   | 13M           | 88.4u              | -                           | -                           | 240.1m                |
| 3                               | 1                   | 13M           | 65.8u              | -                           | -                           | 262.9m                |
| 4                               | 2                   | 13M           | 62.4u              | 1.503m                      | -                           | 341.2m                |
| 5                               | 1                   | 13M           | 95.6u              | -                           | -                           | 958.2m                |
| 6                               | 3                   | 13M           | 62.0u              | 1.724m                      | 1.096m                      | 947.7m                |
| 7                               | 1                   | 13M           | 52.1u              | -                           | -                           | 612.1m                |
| 8                               | 2                   | 13M           | 50.7u              | 1.853m                      | -                           | 1.171                 |
| 9                               | 2                   | 13M           | 88.5u              | 1.693m                      | -                           | 992.4m                |
| 10                              | 2                   | 13M           | 51.3u              | 1.595m                      | -                           | 447.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_07  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 17   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5298MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 15M           | 73.3u              | 1.117m                      | -                           | 263.9m                |
| 2                               | 3                   | 15M           | 77.1u              | 1.610m                      | 1.018m                      | 283.7m                |
| 3                               | 2                   | 15M           | 70.2u              | 1.453m                      | -                           | 47.73m                |
| 4                               | 2                   | 15M           | 84.6u              | 1.444m                      | -                           | 566.8m                |
| 5                               | 3                   | 15M           | 82.8u              | 1.477m                      | 1.433m                      | 572.1m                |
| 6                               | 2                   | 15M           | 95.2u              | 987.8u                      | -                           | 614.1m                |
| 7                               | 3                   | 15M           | 95.3u              | 1.243m                      | 1.697m                      | 22.08m                |
| 8                               | 3                   | 15M           | 59.7u              | 1.441m                      | 1.343m                      | 23.27m                |
| 9                               | 3                   | 15M           | 69.3u              | 1.787m                      | 1.428m                      | 620.8m                |
| 10                              | 2                   | 15M           | 75.3u              | 1.838m                      | -                           | 693.6m                |
| 11                              | 3                   | 15M           | 91.2u              | 1.427m                      | 1.347m                      | 498.9m                |
| 12                              | 3                   | 15M           | 91.2u              | 1.212m                      | 1.579m                      | 309.3m                |
| 13                              | 2                   | 15M           | 94.7u              | 1.191m                      | -                           | 266.5m                |
| 14                              | 3                   | 15M           | 98.4u              | 1.552m                      | 1.534m                      | 614.4m                |
| 15                              | 3                   | 15M           | 54.0u              | 1.482m                      | 990.0u                      | 449.2m                |
| 16                              | 2                   | 15M           | 74.1u              | 1.675m                      | -                           | 613.7m                |
| 17                              | 2                   | 15M           | 83.4u              | 1.632m                      | -                           | 699.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_08  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 9    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5298MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 15M           | 97.5u              | -                           | -                           | 471.5m                |
| 2                               | 3                   | 15M           | 52.7u              | 1.940m                      | 1.267m                      | 85.10m                |
| 3                               | 2                   | 15M           | 85.6u              | 1.832m                      | -                           | 606.7m                |
| 4                               | 3                   | 15M           | 93.9u              | 1.311m                      | 1.757m                      | 129.9m                |
| 5                               | 2                   | 15M           | 77.8u              | 1.140m                      | -                           | 697.6m                |
| 6                               | 2                   | 15M           | 55.9u              | 1.283m                      | -                           | 587.3m                |
| 7                               | 3                   | 15M           | 77.8u              | 1.001m                      | 1.712m                      | 269.7m                |
| 8                               | 2                   | 15M           | 54.8u              | 1.560m                      | -                           | 1.196                 |
| 9                               | 2                   | 15M           | 54.1u              | 1.552m                      | -                           | 817.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_09  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 13   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5300MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 20M           | 99.7u              | 1.511m                      | 1.864m                      | 57.55m                |
| 2                               | 2                   | 20M           | 62.6u              | 1.651m                      | -                           | 208.8m                |
| 3                               | 2                   | 20M           | 78.6u              | 1.897m                      | -                           | 188.5m                |
| 4                               | 3                   | 20M           | 92.7u              | 1.075m                      | 1.701m                      | 713.1m                |
| 5                               | 2                   | 20M           | 84.2u              | 1.551m                      | -                           | 875.0m                |
| 6                               | 2                   | 20M           | 71.6u              | 1.165m                      | -                           | 311.7m                |
| 7                               | 1                   | 20M           | 67.9u              | -                           | -                           | 735.6m                |
| 8                               | 3                   | 20M           | 54.0u              | 1.098m                      | 1.873m                      | 138.9m                |
| 9                               | 1                   | 20M           | 82.3u              | -                           | -                           | 262.2m                |
| 10                              | 2                   | 20M           | 63.4u              | 1.368m                      | -                           | 14.73m                |
| 11                              | 2                   | 20M           | 64.4u              | 1.845m                      | -                           | 637.0m                |
| 12                              | 2                   | 20M           | 90.9u              | 1.294m                      | -                           | 356.2m                |
| 13                              | 1                   | 20M           | 96.9u              | -                           | -                           | 536.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_10  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5300MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 98.6u              | 1.198m                      | -                           | 344.9m                |
| 2                               | 2                   | 20M           | 57.6u              | 961.4u                      | -                           | 641.7m                |
| 3                               | 1                   | 20M           | 56.4u              | -                           | -                           | 308.8m                |
| 4                               | 1                   | 20M           | 81.4u              | -                           | -                           | 180.2m                |
| 5                               | 1                   | 20M           | 61.8u              | -                           | -                           | 297.7m                |
| 6                               | 2                   | 20M           | 90.4u              | 1.563m                      | -                           | 282.9m                |
| 7                               | 3                   | 20M           | 68.8u              | 1.515m                      | 1.370m                      | 37.46m                |
| 8                               | 1                   | 20M           | 73.9u              | -                           | -                           | 475.8m                |
| 9                               | 2                   | 20M           | 68.4u              | 1.684m                      | -                           | 117.5m                |
| 10                              | 3                   | 20M           | 95.4u              | 1.490m                      | 1.735m                      | 155.9m                |
| 11                              | 1                   | 20M           | 70.9u              | -                           | -                           | 253.8m                |
| 12                              | 1                   | 20M           | 94.7u              | -                           | -                           | 356.0m                |
| 13                              | 3                   | 20M           | 76.9u              | 1.750m                      | 1.203m                      | 56.37m                |
| 14                              | 3                   | 20M           | 80.6u              | 1.024m                      | 1.881m                      | 588.3m                |
| 15                              | 2                   | 20M           | 87.2u              | 1.015m                      | -                           | 223.6m                |
| 16                              | 2                   | 20M           | 85.9u              | 1.898m                      | -                           | 380.5m                |
| 17                              | 1                   | 20M           | 62.9u              | -                           | -                           | 127.1m                |
| 18                              | 2                   | 20M           | 96.3u              | 1.532m                      | -                           | 541.3m                |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_11  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 13   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5310MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 5M            | 64.2u              | 1.510m                      | -                           | 171.7m                |
| 2                               | 2                   | 5M            | 85.7u              | 1.457m                      | -                           | 23.95m                |
| 3                               | 3                   | 5M            | 93.8u              | 1.348m                      | 1.769m                      | 685.0m                |
| 4                               | 3                   | 5M            | 85.1u              | 1.065m                      | 1.624m                      | 112.8m                |
| 5                               | 1                   | 5M            | 84.7u              | -                           | -                           | 797.2m                |
| 6                               | 2                   | 5M            | 80.4u              | 1.702m                      | -                           | 14.43m                |
| 7                               | 1                   | 5M            | 98.4u              | -                           | -                           | 314.4m                |
| 8                               | 2                   | 5M            | 71.1u              | 1.369m                      | -                           | 529.1m                |
| 9                               | 1                   | 5M            | 98.6u              | -                           | -                           | 667.9m                |
| 10                              | 2                   | 5M            | 91.7u              | 1.176m                      | -                           | 571.6m                |
| 11                              | 2                   | 5M            | 69.1u              | 1.770m                      | -                           | 615.7m                |
| 12                              | 2                   | 5M            | 90.9u              | 1.511m                      | -                           | 676.8m                |
| 13                              | 2                   | 5M            | 89.6u              | 1.199m                      | -                           | 683.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_12  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5310MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 5M            | 61.2u              | 1.793m                      | 1.857m                      | 398.8m                |
| 2                               | 1                   | 5M            | 53.7u              | -                           | -                           | 300.3m                |
| 3                               | 2                   | 5M            | 82.7u              | 1.900m                      | -                           | 154.0m                |
| 4                               | 3                   | 5M            | 98.8u              | 1.369m                      | 1.879m                      | 7.212m                |
| 5                               | 2                   | 5M            | 54.9u              | 1.516m                      | -                           | 475.2m                |
| 6                               | 3                   | 5M            | 57.2u              | 1.640m                      | 1.396m                      | 427.7m                |
| 7                               | 2                   | 5M            | 91.6u              | 1.507m                      | -                           | 435.3m                |
| 8                               | 2                   | 5M            | 69.8u              | 1.897m                      | -                           | 349.7m                |
| 9                               | 2                   | 5M            | 58.1u              | 1.668m                      | -                           | 584.4m                |
| 10                              | 2                   | 5M            | 81.6u              | 1.380m                      | -                           | 184.8m                |
| 11                              | 2                   | 5M            | 57.5u              | 1.242m                      | -                           | 221.2m                |
| 12                              | 3                   | 5M            | 92.2u              | 1.227m                      | 913.8u                      | 353.3m                |
| 13                              | 2                   | 5M            | 81.9u              | 1.129m                      | -                           | 486.4m                |
| 14                              | 2                   | 5M            | 66.9u              | 1.395m                      | -                           | 235.5m                |
| 15                              | 1                   | 5M            | 67.9u              | -                           | -                           | 415.5m                |
| 16                              | 3                   | 5M            | 99.2u              | 1.884m                      | 1.803m                      | 462.9m                |
| 17                              | 2                   | 5M            | 71.2u              | 1.043m                      | -                           | 214.2m                |
| 18                              | 1                   | 5M            | 70.9u              | -                           | -                           | 379.4m                |
| 19                              | 2                   | 5M            | 68.8u              | 1.209m                      | -                           | 322.3m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_13  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5310MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 9M            | 83.6u              | 1.774m                      | -                           | 467.4m                |
| 2                               | 2                   | 9M            | 97.1u              | 1.796m                      | -                           | 328.2m                |
| 3                               | 1                   | 9M            | 84.9u              | -                           | -                           | 712.5m                |
| 4                               | 1                   | 9M            | 85.6u              | -                           | -                           | 456.6m                |
| 5                               | 2                   | 9M            | 97.8u              | 917.2u                      | -                           | 642.0m                |
| 6                               | 2                   | 9M            | 95.4u              | 1.079m                      | -                           | 800.8m                |
| 7                               | 1                   | 9M            | 71.2u              | -                           | -                           | 898.6m                |
| 8                               | 3                   | 9M            | 82.0u              | 1.666m                      | 1.468m                      | 784.5m                |
| 9                               | 3                   | 9M            | 86.6u              | 1.322m                      | 1.519m                      | 535.5m                |
| 10                              | 1                   | 9M            | 71.4u              | -                           | -                           | 43.23m                |
| 11                              | 2                   | 9M            | 62.2u              | 1.268m                      | -                           | 268.5m                |
| 12                              | 2                   | 9M            | 96.1u              | 1.888m                      | -                           | 253.4m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_14  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 13   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5310MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 9M            | 61.5u              | 955.5u                      | -                           | 640.4m                |
| 2                               | 1                   | 9M            | 92.5u              | -                           | -                           | 393.8m                |
| 3                               | 3                   | 9M            | 71.1u              | 1.724m                      | 1.483m                      | 227.5m                |
| 4                               | 2                   | 9M            | 79.5u              | 1.035m                      | -                           | 625.6m                |
| 5                               | 2                   | 9M            | 75.3u              | 1.324m                      | -                           | 302.7m                |
| 6                               | 3                   | 9M            | 71.1u              | 1.201m                      | 1.880m                      | 210.6m                |
| 7                               | 2                   | 9M            | 83.2u              | 1.845m                      | -                           | 576.6m                |
| 8                               | 2                   | 9M            | 81.1u              | 1.333m                      | -                           | 524.0m                |
| 9                               | 2                   | 9M            | 97.7u              | 1.050m                      | -                           | 855.4m                |
| 10                              | 2                   | 9M            | 95.7u              | 1.224m                      | -                           | 597.8m                |
| 11                              | 2                   | 9M            | 53.5u              | 1.334m                      | -                           | 874.0m                |
| 12                              | 3                   | 9M            | 70.8u              | 1.735m                      | 1.020m                      | 510.2m                |
| 13                              | 2                   | 9M            | 95.7u              | 1.535m                      | -                           | 870.2m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_15  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 17   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5310MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 15M           | 73.3u              | 1.117m                      | -                           | 263.9m                |
| 2                               | 3                   | 15M           | 77.1u              | 1.610m                      | 1.018m                      | 283.7m                |
| 3                               | 2                   | 15M           | 70.2u              | 1.453m                      | -                           | 47.73m                |
| 4                               | 2                   | 15M           | 84.6u              | 1.444m                      | -                           | 566.8m                |
| 5                               | 3                   | 15M           | 82.8u              | 1.477m                      | 1.433m                      | 572.1m                |
| 6                               | 2                   | 15M           | 95.2u              | 987.8u                      | -                           | 614.1m                |
| 7                               | 3                   | 15M           | 95.3u              | 1.243m                      | 1.697m                      | 22.08m                |
| 8                               | 3                   | 15M           | 59.7u              | 1.441m                      | 1.343m                      | 23.27m                |
| 9                               | 3                   | 15M           | 69.3u              | 1.787m                      | 1.428m                      | 620.8m                |
| 10                              | 2                   | 15M           | 75.3u              | 1.838m                      | -                           | 693.6m                |
| 11                              | 3                   | 15M           | 91.2u              | 1.427m                      | 1.347m                      | 498.9m                |
| 12                              | 3                   | 15M           | 91.2u              | 1.212m                      | 1.579m                      | 309.3m                |
| 13                              | 2                   | 15M           | 94.7u              | 1.191m                      | -                           | 266.5m                |
| 14                              | 3                   | 15M           | 98.4u              | 1.552m                      | 1.534m                      | 614.4m                |
| 15                              | 3                   | 15M           | 54.0u              | 1.482m                      | 990.0u                      | 449.2m                |
| 16                              | 2                   | 15M           | 74.1u              | 1.675m                      | -                           | 613.7m                |
| 17                              | 2                   | 15M           | 83.4u              | 1.632m                      | -                           | 699.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_16  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 8    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5310MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 15M           | 86.3u              | 1.743m                      | 985.7u                      | 297.0m                |
| 2                               | 1                   | 15M           | 66.0u              | -                           | -                           | 1.473                 |
| 3                               | 3                   | 15M           | 67.9u              | 1.531m                      | 1.717m                      | 438.4m                |
| 4                               | 3                   | 15M           | 86.6u              | 1.433m                      | 1.491m                      | 650.2m                |
| 5                               | 2                   | 15M           | 59.3u              | 1.648m                      | -                           | 773.9m                |
| 6                               | 2                   | 15M           | 60.7u              | 1.384m                      | -                           | 278.3m                |
| 7                               | 2                   | 15M           | 58.5u              | 1.114m                      | -                           | 1.321                 |
| 8                               | 2                   | 15M           | 88.9u              | 920.1u                      | -                           | 360.9m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_17  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5310MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 17M           | 56.6u              | 1.081m                      | 1.442m                      | 264.5m                |
| 2                               | 2                   | 17M           | 77.0u              | 1.479m                      | -                           | 411.6m                |
| 3                               | 1                   | 17M           | 64.7u              | -                           | -                           | 502.4m                |
| 4                               | 2                   | 17M           | 66.3u              | 1.533m                      | -                           | 128.2m                |
| 5                               | 2                   | 17M           | 66.5u              | 1.654m                      | -                           | 32.33m                |
| 6                               | 2                   | 17M           | 53.9u              | 1.723m                      | -                           | 368.5m                |
| 7                               | 2                   | 17M           | 95.4u              | 1.678m                      | -                           | 502.6m                |
| 8                               | 2                   | 17M           | 79.6u              | 1.481m                      | -                           | 375.6m                |
| 9                               | 2                   | 17M           | 94.7u              | 1.774m                      | -                           | 335.2m                |
| 10                              | 3                   | 17M           | 86.7u              | 1.256m                      | 1.147m                      | 567.5m                |
| 11                              | 2                   | 17M           | 65.2u              | 1.373m                      | -                           | 55.52m                |
| 12                              | 3                   | 17M           | 53.6u              | 1.336m                      | 1.086m                      | 350.4m                |
| 13                              | 1                   | 17M           | 93.6u              | -                           | -                           | 549.5m                |
| 14                              | 3                   | 17M           | 99.9u              | 1.866m                      | 961.1u                      | 222.0m                |
| 15                              | 2                   | 17M           | 98.7u              | 1.242m                      | -                           | 603.9m                |
| 16                              | 3                   | 17M           | 99.5u              | 992.5u                      | 1.138m                      | 514.9m                |
| 17                              | 2                   | 17M           | 88.7u              | 1.906m                      | -                           | 388.1m                |
| 18                              | 2                   | 17M           | 98.4u              | 1.185m                      | -                           | 429.7m                |
| 19                              | 2                   | 17M           | 84.8u              | 1.718m                      | -                           | 344.7m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_18  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 15   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5310MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 17M           | 74.4u              | 1.078m                      | -                           | 405.4m                |
| 2                               | 2                   | 17M           | 64.5u              | 1.652m                      | -                           | 642.9m                |
| 3                               | 2                   | 17M           | 60.9u              | 1.407m                      | -                           | 702.7m                |
| 4                               | 1                   | 17M           | 93.7u              | -                           | -                           | 738.4m                |
| 5                               | 3                   | 17M           | 73.4u              | 1.274m                      | 1.171m                      | 600.8m                |
| 6                               | 2                   | 17M           | 65.8u              | 1.640m                      | -                           | 566.8m                |
| 7                               | 2                   | 17M           | 67.9u              | 1.038m                      | -                           | 561.0m                |
| 8                               | 2                   | 17M           | 75.2u              | 970.8u                      | -                           | 25.08m                |
| 9                               | 1                   | 17M           | 58.5u              | -                           | -                           | 667.7m                |
| 10                              | 1                   | 17M           | 97.9u              | -                           | -                           | 176.6m                |
| 11                              | 3                   | 17M           | 87.6u              | 1.679m                      | 1.187m                      | 730.3m                |
| 12                              | 1                   | 17M           | 94.5u              | -                           | -                           | 720.4m                |
| 13                              | 3                   | 17M           | 56.4u              | 1.013m                      | 1.776m                      | 274.4m                |
| 14                              | 2                   | 17M           | 84.2u              | 1.338m                      | -                           | 186.8m                |
| 15                              | 1                   | 17M           | 67.2u              | -                           | -                           | 223.4m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_19  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 15   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5310MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 20M           | 63.9u              | -                           | -                           | 77.33m                |
| 2                               | 2                   | 20M           | 94.7u              | 1.807m                      | -                           | 47.69m                |
| 3                               | 2                   | 20M           | 55.2u              | 1.653m                      | -                           | 235.8m                |
| 4                               | 1                   | 20M           | 88.6u              | -                           | -                           | 734.4m                |
| 5                               | 3                   | 20M           | 58.9u              | 1.448m                      | 1.576m                      | 594.5m                |
| 6                               | 3                   | 20M           | 80.2u              | 1.051m                      | 1.328m                      | 738.1m                |
| 7                               | 2                   | 20M           | 51.8u              | 1.771m                      | -                           | 610.0m                |
| 8                               | 1                   | 20M           | 58.2u              | -                           | -                           | 187.6m                |
| 9                               | 3                   | 20M           | 51.5u              | 1.442m                      | 1.642m                      | 91.17m                |
| 10                              | 2                   | 20M           | 54.6u              | 1.066m                      | -                           | 128.0m                |
| 11                              | 3                   | 20M           | 92.5u              | 1.718m                      | 1.207m                      | 337.4m                |
| 12                              | 3                   | 20M           | 88.1u              | 1.794m                      | 1.583m                      | 438.5m                |
| 13                              | 2                   | 20M           | 63.5u              | 1.643m                      | -                           | 214.3m                |
| 14                              | 2                   | 20M           | 73.1u              | 959.9u                      | -                           | 235.5m                |
| 15                              | 1                   | 20M           | 71.4u              | -                           | -                           | 509.1m                |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_20  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5310MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 20M           | 58.6u              | -                           | -                           | 36.12m                |
| 2                               | 2                   | 20M           | 92.0u              | 1.831m                      | -                           | 301.7m                |
| 3                               | 2                   | 20M           | 97.4u              | 1.173m                      | -                           | 286.9m                |
| 4                               | 2                   | 20M           | 57.0u              | 979.0u                      | -                           | 55.23m                |
| 5                               | 1                   | 20M           | 66.5u              | -                           | -                           | 376.4m                |
| 6                               | 2                   | 20M           | 78.9u              | 1.100m                      | -                           | 434.4m                |
| 7                               | 2                   | 20M           | 70.2u              | 1.681m                      | -                           | 626.6m                |
| 8                               | 3                   | 20M           | 72.3u              | 1.233m                      | 1.537m                      | 438.6m                |
| 9                               | 2                   | 20M           | 59.1u              | 1.565m                      | -                           | 429.8m                |
| 10                              | 1                   | 20M           | 50.4u              | -                           | -                           | 446.6m                |
| 11                              | 2                   | 20M           | 88.1u              | 1.050m                      | -                           | 371.0m                |
| 12                              | 2                   | 20M           | 52.9u              | 1.220m                      | -                           | 91.61m                |
| 13                              | 1                   | 20M           | 95.1u              | -                           | -                           | 395.7m                |
| 14                              | 1                   | 20M           | 82.4u              | -                           | -                           | 374.5m                |
| 15                              | 2                   | 20M           | 96.3u              | 992.7u                      | -                           | 595.6m                |
| 16                              | 2                   | 20M           | 91.4u              | 1.793m                      | -                           | 121.7m                |
| 17                              | 2                   | 20M           | 97.6u              | 1.191m                      | -                           | 331.3m                |
| 18                              | 2                   | 20M           | 61.0u              | 1.695m                      | -                           | 56.15m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_21  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5326MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 5M            | 61.2u              | 1.793m                      | 1.857m                      | 398.8m                |
| 2                               | 1                   | 5M            | 53.7u              | -                           | -                           | 300.3m                |
| 3                               | 2                   | 5M            | 82.7u              | 1.900m                      | -                           | 154.0m                |
| 4                               | 3                   | 5M            | 98.8u              | 1.369m                      | 1.879m                      | 7.212m                |
| 5                               | 2                   | 5M            | 54.9u              | 1.516m                      | -                           | 475.2m                |
| 6                               | 3                   | 5M            | 57.2u              | 1.640m                      | 1.396m                      | 427.7m                |
| 7                               | 2                   | 5M            | 91.6u              | 1.507m                      | -                           | 435.3m                |
| 8                               | 2                   | 5M            | 69.8u              | 1.897m                      | -                           | 349.7m                |
| 9                               | 2                   | 5M            | 58.1u              | 1.668m                      | -                           | 584.4m                |
| 10                              | 2                   | 5M            | 81.6u              | 1.380m                      | -                           | 184.8m                |
| 11                              | 2                   | 5M            | 57.5u              | 1.242m                      | -                           | 221.2m                |
| 12                              | 3                   | 5M            | 92.2u              | 1.227m                      | 913.8u                      | 353.3m                |
| 13                              | 2                   | 5M            | 81.9u              | 1.129m                      | -                           | 486.4m                |
| 14                              | 2                   | 5M            | 66.9u              | 1.395m                      | -                           | 235.5m                |
| 15                              | 1                   | 5M            | 67.9u              | -                           | -                           | 415.5m                |
| 16                              | 3                   | 5M            | 99.2u              | 1.884m                      | 1.803m                      | 462.9m                |
| 17                              | 2                   | 5M            | 71.2u              | 1.043m                      | -                           | 214.2m                |
| 18                              | 1                   | 5M            | 70.9u              | -                           | -                           | 379.4m                |
| 19                              | 2                   | 5M            | 68.8u              | 1.209m                      | -                           | 322.3m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_22  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5326MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 5M            | 64.8u              | 1.186m                      | -                           | 75.79m                |
| 2                               | 3                   | 5M            | 95.3u              | 1.039m                      | 1.151m                      | 354.7m                |
| 3                               | 1                   | 5M            | 58.2u              | -                           | -                           | 145.6m                |
| 4                               | 2                   | 5M            | 96.2u              | 1.328m                      | -                           | 408.6m                |
| 5                               | 1                   | 5M            | 70.0u              | -                           | -                           | 571.7m                |
| 6                               | 1                   | 5M            | 97.0u              | -                           | -                           | 4.469m                |
| 7                               | 2                   | 5M            | 74.8u              | 1.904m                      | -                           | 112.1m                |
| 8                               | 2                   | 5M            | 86.3u              | 1.847m                      | -                           | 19.29m                |
| 9                               | 1                   | 5M            | 56.7u              | -                           | -                           | 317.3m                |
| 10                              | 2                   | 5M            | 61.0u              | 956.0u                      | -                           | 142.0m                |
| 11                              | 2                   | 5M            | 71.0u              | 935.0u                      | -                           | 251.8m                |
| 12                              | 1                   | 5M            | 54.2u              | -                           | -                           | 150.7m                |
| 13                              | 3                   | 5M            | 90.1u              | 1.385m                      | 1.143m                      | 630.6m                |
| 14                              | 2                   | 5M            | 99.6u              | 1.522m                      | -                           | 405.1m                |
| 15                              | 2                   | 5M            | 67.1u              | 1.741m                      | -                           | 9.165m                |
| 16                              | 2                   | 5M            | 50.8u              | 1.064m                      | -                           | 487.1m                |
| 17                              | 2                   | 5M            | 78.9u              | 1.002m                      | -                           | 226.8m                |
| 18                              | 3                   | 5M            | 87.7u              | 1.409m                      | 1.017m                      | 595.7m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_23  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 11   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5326MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 6M            | 51.6u              | 1.534m                      | 1.356m                      | 923.6m                |
| 2                               | 3                   | 6M            | 71.6u              | 1.079m                      | 1.587m                      | 287.7m                |
| 3                               | 2                   | 6M            | 74.5u              | 1.832m                      | -                           | 980.6m                |
| 4                               | 2                   | 6M            | 78.9u              | 1.266m                      | -                           | 281.6m                |
| 5                               | 2                   | 6M            | 50.0u              | 1.076m                      | -                           | 519.7m                |
| 6                               | 1                   | 6M            | 58.3u              | -                           | -                           | 189.4m                |
| 7                               | 2                   | 6M            | 63.9u              | 1.193m                      | -                           | 701.3m                |
| 8                               | 2                   | 6M            | 88.1u              | 1.462m                      | -                           | 107.5m                |
| 9                               | 3                   | 6M            | 62.4u              | 1.328m                      | 971.6u                      | 153.5m                |
| 10                              | 1                   | 6M            | 65.5u              | -                           | -                           | 1.012                 |
| 11                              | 1                   | 6M            | 95.5u              | -                           | -                           | 359.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_24  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5326MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 6M            | 63.2u              | -                           | -                           | 639.7m                |
| 2                               | 3                   | 6M            | 51.2u              | 1.477m                      | 1.835m                      | 678.8m                |
| 3                               | 3                   | 6M            | 64.0u              | 1.440m                      | 1.154m                      | 534.7m                |
| 4                               | 2                   | 6M            | 70.2u              | 1.135m                      | -                           | 1.023                 |
| 5                               | 2                   | 6M            | 82.2u              | 1.368m                      | -                           | 565.5m                |
| 6                               | 2                   | 6M            | 90.8u              | 1.524m                      | -                           | 59.60m                |
| 7                               | 2                   | 6M            | 61.5u              | 985.5u                      | -                           | 1.004                 |
| 8                               | 1                   | 6M            | 52.3u              | -                           | -                           | 775.3m                |
| 9                               | 3                   | 6M            | 75.8u              | 1.274m                      | 1.399m                      | 123.2m                |
| 10                              | 1                   | 6M            | 83.4u              | -                           | -                           | 1.109                 |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_25  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 8    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5324MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 11M           | 84.4u              | 1.421m                      | -                           | 801.3m                |
| 2                               | 3                   | 11M           | 70.4u              | 1.837m                      | 1.413m                      | 694.8m                |
| 3                               | 1                   | 11M           | 56.8u              | -                           | -                           | 852.3m                |
| 4                               | 2                   | 11M           | 88.3u              | 1.609m                      | -                           | 214.6m                |
| 5                               | 3                   | 11M           | 63.4u              | 1.206m                      | 1.734m                      | 788.8m                |
| 6                               | 3                   | 11M           | 66.9u              | 942.1u                      | 1.551m                      | 502.0m                |
| 7                               | 3                   | 11M           | 67.8u              | 938.2u                      | 1.580m                      | 404.8m                |
| 8                               | 2                   | 11M           | 68.5u              | 1.233m                      | -                           | 191.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_26  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5324MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 11M           | 83.2u              | -                           | -                           | 45.94m                |
| 2                               | 2                   | 11M           | 64.2u              | 1.124m                      | -                           | 371.8m                |
| 3                               | 2                   | 11M           | 93.6u              | 1.066m                      | -                           | 35.45m                |
| 4                               | 2                   | 11M           | 81.4u              | 1.900m                      | -                           | 379.4m                |
| 5                               | 2                   | 11M           | 72.5u              | 1.373m                      | -                           | 425.9m                |
| 6                               | 2                   | 11M           | 63.2u              | 1.827m                      | -                           | 395.1m                |
| 7                               | 3                   | 11M           | 78.0u              | 1.366m                      | 1.019m                      | 157.6m                |
| 8                               | 1                   | 11M           | 70.4u              | -                           | -                           | 237.3m                |
| 9                               | 3                   | 11M           | 62.4u              | 1.269m                      | 1.701m                      | 582.7m                |
| 10                              | 1                   | 11M           | 85.8u              | -                           | -                           | 223.0m                |
| 11                              | 3                   | 11M           | 57.4u              | 1.075m                      | 1.909m                      | 626.8m                |
| 12                              | 2                   | 11M           | 66.5u              | 1.637m                      | -                           | 578.6m                |
| 13                              | 3                   | 11M           | 52.8u              | 1.165m                      | 1.623m                      | 626.6m                |
| 14                              | 3                   | 11M           | 51.0u              | 1.021m                      | 1.068m                      | 482.0m                |
| 15                              | 1                   | 11M           | 52.0u              | -                           | -                           | 471.8m                |
| 16                              | 2                   | 11M           | 72.0u              | 1.694m                      | -                           | 284.8m                |
| 17                              | 2                   | 11M           | 58.9u              | 1.920m                      | -                           | 155.7m                |
| 18                              | 3                   | 11M           | 84.2u              | 1.879m                      | 1.077m                      | 352.7m                |
| 19                              | 2                   | 11M           | 51.5u              | 1.504m                      | -                           | 605.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_27  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 9    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5321MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 19M           | 86.6u              | -                           | -                           | 1.233                 |
| 2                               | 2                   | 19M           | 75.4u              | 1.787m                      | -                           | 1.316                 |
| 3                               | 3                   | 19M           | 50.2u              | 1.838m                      | 1.148m                      | 902.0m                |
| 4                               | 1                   | 19M           | 58.8u              | -                           | -                           | 953.0m                |
| 5                               | 2                   | 19M           | 54.0u              | 1.432m                      | -                           | 424.4m                |
| 6                               | 2                   | 19M           | 51.1u              | 1.395m                      | -                           | 265.3m                |
| 7                               | 1                   | 19M           | 63.0u              | -                           | -                           | 502.3m                |
| 8                               | 1                   | 19M           | 67.6u              | -                           | -                           | 1.070                 |
| 9                               | 2                   | 19M           | 91.3u              | 1.439m                      | -                           | 517.4m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_28  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 17   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5321MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 19M           | 78.0u              | 1.167m                      | -                           | 269.8m                |
| 2                               | 3                   | 19M           | 82.8u              | 1.545m                      | 1.544m                      | 640.4m                |
| 3                               | 2                   | 19M           | 73.0u              | 1.679m                      | -                           | 88.41m                |
| 4                               | 2                   | 19M           | 67.7u              | 1.793m                      | -                           | 557.7m                |
| 5                               | 2                   | 19M           | 55.9u              | 1.359m                      | -                           | 651.0m                |
| 6                               | 2                   | 19M           | 92.9u              | 1.029m                      | -                           | 485.5m                |
| 7                               | 3                   | 19M           | 70.2u              | 1.756m                      | 1.342m                      | 179.1m                |
| 8                               | 1                   | 19M           | 55.1u              | -                           | -                           | 407.5m                |
| 9                               | 3                   | 19M           | 67.9u              | 1.910m                      | 1.250m                      | 285.0m                |
| 10                              | 1                   | 19M           | 50.3u              | -                           | -                           | 147.8m                |
| 11                              | 3                   | 19M           | 50.3u              | 1.543m                      | 1.185m                      | 550.6m                |
| 12                              | 3                   | 19M           | 93.9u              | 1.670m                      | 1.112m                      | 207.5m                |
| 13                              | 3                   | 19M           | 54.3u              | 1.260m                      | 1.333m                      | 689.3m                |
| 14                              | 1                   | 19M           | 73.3u              | -                           | -                           | 595.0m                |
| 15                              | 2                   | 19M           | 86.5u              | 1.506m                      | -                           | 78.29m                |
| 16                              | 3                   | 19M           | 53.8u              | 1.088m                      | 1.261m                      | 105.6m                |
| 17                              | 2                   | 19M           | 89.3u              | 1.368m                      | -                           | 145.9m                |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_29  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5320MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 78.6u              | 1.551m                      | -                           | 833.2m                |
| 2                               | 2                   | 20M           | 51.6u              | 990.4u                      | -                           | 825.2m                |
| 3                               | 2                   | 20M           | 86.8u              | 1.097m                      | -                           | 809.6m                |
| 4                               | 1                   | 20M           | 60.5u              | -                           | -                           | 792.9m                |
| 5                               | 2                   | 20M           | 54.9u              | 1.783m                      | -                           | 491.4m                |
| 6                               | 2                   | 20M           | 75.7u              | 1.245m                      | -                           | 717.7m                |
| 7                               | 2                   | 20M           | 55.0u              | 1.513m                      | -                           | 1.155                 |
| 8                               | 2                   | 20M           | 79.2u              | 955.8u                      | -                           | 118.6m                |
| 9                               | 1                   | 20M           | 56.4u              | -                           | -                           | 881.1m                |
| 10                              | 1                   | 20M           | 97.7u              | -                           | -                           | 978.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_30  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5320MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 20M           | 58.6u              | -                           | -                           | 36.12m                |
| 2                               | 2                   | 20M           | 92.0u              | 1.831m                      | -                           | 301.7m                |
| 3                               | 2                   | 20M           | 97.4u              | 1.173m                      | -                           | 286.9m                |
| 4                               | 2                   | 20M           | 57.0u              | 979.0u                      | -                           | 55.23m                |
| 5                               | 1                   | 20M           | 66.5u              | -                           | -                           | 376.4m                |
| 6                               | 2                   | 20M           | 78.9u              | 1.100m                      | -                           | 434.4m                |
| 7                               | 2                   | 20M           | 70.2u              | 1.681m                      | -                           | 626.6m                |
| 8                               | 3                   | 20M           | 72.3u              | 1.233m                      | 1.537m                      | 438.6m                |
| 9                               | 2                   | 20M           | 59.1u              | 1.565m                      | -                           | 429.8m                |
| 10                              | 1                   | 20M           | 50.4u              | -                           | -                           | 446.6m                |
| 11                              | 2                   | 20M           | 88.1u              | 1.050m                      | -                           | 371.0m                |
| 12                              | 2                   | 20M           | 52.9u              | 1.220m                      | -                           | 91.61m                |
| 13                              | 1                   | 20M           | 95.1u              | -                           | -                           | 395.7m                |
| 14                              | 1                   | 20M           | 82.4u              | -                           | -                           | 374.5m                |
| 15                              | 2                   | 20M           | 96.3u              | 992.7u                      | -                           | 595.6m                |
| 16                              | 2                   | 20M           | 91.4u              | 1.793m                      | -                           | 121.7m                |
| 17                              | 2                   | 20M           | 97.6u              | 1.191m                      | -                           | 331.3m                |
| 18                              | 2                   | 20M           | 61.0u              | 1.695m                      | -                           | 56.15m                |

| Type 6 Radar Statistical Performances |                  |                 |         |           |
|---------------------------------------|------------------|-----------------|---------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Detection |
| 1                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 2                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 3                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 4                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 5                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 6                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 7                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 8                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 9                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 10                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 11                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 12                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 13                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 14                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 15                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 16                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 17                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 18                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 19                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 20                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 21                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 22                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 23                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 24                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 25                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 26                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 27                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 28                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 29                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 30                                    | 9                | 1.0u            | 333.0u  | Yes       |
| Detection Rate: 100.0 %               |                  |                 |         |           |

| Type 6 Radar Statistical Performances |                                 |                         |
|---------------------------------------|---------------------------------|-------------------------|
| Trial #                               | Hopping Frequency Sequence Name | Detection               |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes                     |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes                     |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes                     |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes                     |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes                     |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes                     |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes                     |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes                     |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes                     |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes                     |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes                     |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes                     |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes                     |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes                     |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes                     |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes                     |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes                     |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes                     |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes                     |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes                     |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes                     |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes                     |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes                     |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes                     |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes                     |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes                     |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes                     |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes                     |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes                     |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes                     |
|                                       |                                 | Detection Rate: 100.0 % |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.603G            | 2    | 5.405G            | 3    | 5.498G            | 4    | 5.670G            |
| 5                                                | 5.630G            | 6    | 5.712G            | 7    | 5.653G            | 8    | 5.285G            |
| 9                                                | 5.399G            | 10   | 5.541G            | 11   | 5.704G            | 12   | 5.323G            |
| 13                                               | 5.532G            | 14   | 5.366G            | 15   | 5.410G            | 16   | 5.581G            |
| 17                                               | 5.612G            | 18   | 5.467G            | 19   | 5.312G            | 20   | 5.554G            |
| 21                                               | 5.520G            | 22   | 5.551G            | 23   | 5.575G            | 24   | 5.448G            |
| 25                                               | 5.414G            | 26   | 5.598G            | 27   | 5.354G            | 28   | 5.708G            |
| 29                                               | 5.332G            | 30   | 5.288G            | 31   | 5.310G            | 32   | 5.456G            |
| 33                                               | 5.397G            | 34   | 5.361G            | 35   | 5.390G            | 36   | 5.380G            |
| 37                                               | 5.620G            | 38   | 5.652G            | 39   | 5.666G            | 40   | 5.457G            |
| 41                                               | 5.296G            | 42   | 5.631G            | 43   | 5.411G            | 44   | 5.470G            |
| 45                                               | 5.526G            | 46   | 5.472G            | 47   | 5.628G            | 48   | 5.375G            |
| 49                                               | 5.649G            | 50   | 5.656G            | 51   | 5.408G            | 52   | 5.393G            |
| 53                                               | 5.514G            | 54   | 5.348G            | 55   | 5.523G            | 56   | 5.709G            |
| 57                                               | 5.311G            | 58   | 5.284G            | 59   | 5.552G            | 60   | 5.427G            |
| 61                                               | 5.255G            | 62   | 5.395G            | 63   | 5.536G            | 64   | 5.626G            |
| 65                                               | 5.389G            | 66   | 5.297G            | 67   | 5.679G            | 68   | 5.545G            |
| 69                                               | 5.496G            | 70   | 5.617G            | 71   | 5.283G            | 72   | 5.508G            |
| 73                                               | 5.299G            | 74   | 5.319G            | 75   | 5.624G            | 76   | 5.440G            |
| 77                                               | 5.677G            | 78   | 5.643G            | 79   | 5.558G            | 80   | 5.252G            |
| 81                                               | 5.671G            | 82   | 5.378G            | 83   | 5.680G            | 84   | 5.547G            |
| 85                                               | 5.683G            | 86   | 5.453G            | 87   | 5.466G            | 88   | 5.471G            |
| 89                                               | 5.548G            | 90   | 5.356G            | 91   | 5.486G            | 92   | 5.684G            |
| 93                                               | 5.669G            | 94   | 5.349G            | 95   | 5.504G            | 96   | 5.641G            |
| 97                                               | 5.495G            | 98   | 5.578G            | 99   | 5.702G            | 100  | 5.706G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.328G            | 2    | 5.655G            | 3    | 5.570G            | 4    | 5.291G            |
| 5                                                | 5.485G            | 6    | 5.342G            | 7    | 5.365G            | 8    | 5.720G            |
| 9                                                | 5.647G            | 10   | 5.264G            | 11   | 5.362G            | 12   | 5.403G            |
| 13                                               | 5.392G            | 14   | 5.284G            | 15   | 5.363G            | 16   | 5.461G            |
| 17                                               | 5.346G            | 18   | 5.381G            | 19   | 5.598G            | 20   | 5.528G            |
| 21                                               | 5.640G            | 22   | 5.315G            | 23   | 5.500G            | 24   | 5.539G            |
| 25                                               | 5.531G            | 26   | 5.459G            | 27   | 5.603G            | 28   | 5.372G            |
| 29                                               | 5.499G            | 30   | 5.263G            | 31   | 5.329G            | 32   | 5.366G            |
| 33                                               | 5.431G            | 34   | 5.586G            | 35   | 5.536G            | 36   | 5.266G            |
| 37                                               | 5.376G            | 38   | 5.654G            | 39   | 5.701G            | 40   | 5.285G            |
| 41                                               | 5.699G            | 42   | 5.327G            | 43   | 5.450G            | 44   | 5.567G            |
| 45                                               | 5.680G            | 46   | 5.581G            | 47   | 5.270G            | 48   | 5.633G            |
| 49                                               | 5.676G            | 50   | 5.353G            | 51   | 5.456G            | 52   | 5.454G            |
| 53                                               | 5.446G            | 54   | 5.532G            | 55   | 5.665G            | 56   | 5.443G            |
| 57                                               | 5.432G            | 58   | 5.371G            | 59   | 5.269G            | 60   | 5.559G            |
| 61                                               | 5.386G            | 62   | 5.535G            | 63   | 5.308G            | 64   | 5.451G            |
| 65                                               | 5.276G            | 66   | 5.718G            | 67   | 5.719G            | 68   | 5.287G            |
| 69                                               | 5.636G            | 70   | 5.292G            | 71   | 5.490G            | 72   | 5.700G            |
| 73                                               | 5.303G            | 74   | 5.569G            | 75   | 5.489G            | 76   | 5.364G            |
| 77                                               | 5.564G            | 78   | 5.335G            | 79   | 5.340G            | 80   | 5.326G            |
| 81                                               | 5.677G            | 82   | 5.375G            | 83   | 5.664G            | 84   | 5.427G            |
| 85                                               | 5.538G            | 86   | 5.509G            | 87   | 5.420G            | 88   | 5.344G            |
| 89                                               | 5.462G            | 90   | 5.682G            | 91   | 5.565G            | 92   | 5.691G            |
| 93                                               | 5.355G            | 94   | 5.687G            | 95   | 5.652G            | 96   | 5.352G            |
| 97                                               | 5.416G            | 98   | 5.286G            | 99   | 5.684G            | 100  | 5.425G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.715G            | 2    | 5.431G            | 3    | 5.262G            | 4    | 5.608G            |
| 5                                                | 5.436G            | 6    | 5.354G            | 7    | 5.555G            | 8    | 5.545G            |
| 9                                                | 5.322G            | 10   | 5.379G            | 11   | 5.513G            | 12   | 5.254G            |
| 13                                               | 5.468G            | 14   | 5.449G            | 15   | 5.470G            | 16   | 5.616G            |
| 17                                               | 5.287G            | 18   | 5.393G            | 19   | 5.560G            | 20   | 5.256G            |
| 21                                               | 5.689G            | 22   | 5.647G            | 23   | 5.707G            | 24   | 5.413G            |
| 25                                               | 5.364G            | 26   | 5.445G            | 27   | 5.485G            | 28   | 5.615G            |
| 29                                               | 5.566G            | 30   | 5.610G            | 31   | 5.359G            | 32   | 5.723G            |
| 33                                               | 5.629G            | 34   | 5.312G            | 35   | 5.296G            | 36   | 5.341G            |
| 37                                               | 5.400G            | 38   | 5.611G            | 39   | 5.475G            | 40   | 5.463G            |
| 41                                               | 5.625G            | 42   | 5.412G            | 43   | 5.573G            | 44   | 5.434G            |
| 45                                               | 5.457G            | 46   | 5.540G            | 47   | 5.264G            | 48   | 5.496G            |
| 49                                               | 5.706G            | 50   | 5.724G            | 51   | 5.597G            | 52   | 5.299G            |
| 53                                               | 5.324G            | 54   | 5.539G            | 55   | 5.455G            | 56   | 5.547G            |
| 57                                               | 5.542G            | 58   | 5.631G            | 59   | 5.367G            | 60   | 5.363G            |
| 61                                               | 5.601G            | 62   | 5.714G            | 63   | 5.590G            | 64   | 5.365G            |
| 65                                               | 5.578G            | 66   | 5.453G            | 67   | 5.416G            | 68   | 5.471G            |
| 69                                               | 5.698G            | 70   | 5.323G            | 71   | 5.605G            | 72   | 5.635G            |
| 73                                               | 5.537G            | 74   | 5.352G            | 75   | 5.339G            | 76   | 5.378G            |
| 77                                               | 5.317G            | 78   | 5.257G            | 79   | 5.717G            | 80   | 5.637G            |
| 81                                               | 5.654G            | 82   | 5.361G            | 83   | 5.511G            | 84   | 5.510G            |
| 85                                               | 5.380G            | 86   | 5.594G            | 87   | 5.699G            | 88   | 5.600G            |
| 89                                               | 5.648G            | 90   | 5.683G            | 91   | 5.671G            | 92   | 5.283G            |
| 93                                               | 5.684G            | 94   | 5.508G            | 95   | 5.337G            | 96   | 5.342G            |
| 97                                               | 5.617G            | 98   | 5.278G            | 99   | 5.398G            | 100  | 5.497G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.267G            | 2    | 5.612G            | 3    | 5.554G            | 4    | 5.569G            |
| 5                                                | 5.698G            | 6    | 5.718G            | 7    | 5.288G            | 8    | 5.716G            |
| 9                                                | 5.621G            | 10   | 5.723G            | 11   | 5.322G            | 12   | 5.511G            |
| 13                                               | 5.570G            | 14   | 5.683G            | 15   | 5.721G            | 16   | 5.530G            |
| 17                                               | 5.508G            | 18   | 5.451G            | 19   | 5.416G            | 20   | 5.521G            |
| 21                                               | 5.501G            | 22   | 5.460G            | 23   | 5.527G            | 24   | 5.699G            |
| 25                                               | 5.363G            | 26   | 5.470G            | 27   | 5.304G            | 28   | 5.623G            |
| 29                                               | 5.453G            | 30   | 5.426G            | 31   | 5.441G            | 32   | 5.579G            |
| 33                                               | 5.398G            | 34   | 5.669G            | 35   | 5.333G            | 36   | 5.468G            |
| 37                                               | 5.557G            | 38   | 5.517G            | 39   | 5.665G            | 40   | 5.610G            |
| 41                                               | 5.448G            | 42   | 5.629G            | 43   | 5.380G            | 44   | 5.262G            |
| 45                                               | 5.597G            | 46   | 5.285G            | 47   | 5.318G            | 48   | 5.266G            |
| 49                                               | 5.270G            | 50   | 5.381G            | 51   | 5.315G            | 52   | 5.401G            |
| 53                                               | 5.463G            | 54   | 5.298G            | 55   | 5.607G            | 56   | 5.700G            |
| 57                                               | 5.711G            | 58   | 5.417G            | 59   | 5.717G            | 60   | 5.360G            |
| 61                                               | 5.429G            | 62   | 5.654G            | 63   | 5.524G            | 64   | 5.496G            |
| 65                                               | 5.445G            | 66   | 5.499G            | 67   | 5.280G            | 68   | 5.386G            |
| 69                                               | 5.351G            | 70   | 5.687G            | 71   | 5.584G            | 72   | 5.356G            |
| 73                                               | 5.661G            | 74   | 5.589G            | 75   | 5.663G            | 76   | 5.657G            |
| 77                                               | 5.478G            | 78   | 5.659G            | 79   | 5.389G            | 80   | 5.513G            |
| 81                                               | 5.555G            | 82   | 5.458G            | 83   | 5.502G            | 84   | 5.420G            |
| 85                                               | 5.549G            | 86   | 5.690G            | 87   | 5.641G            | 88   | 5.648G            |
| 89                                               | 5.452G            | 90   | 5.473G            | 91   | 5.542G            | 92   | 5.588G            |
| 93                                               | 5.632G            | 94   | 5.439G            | 95   | 5.250G            | 96   | 5.348G            |
| 97                                               | 5.466G            | 98   | 5.541G            | 99   | 5.481G            | 100  | 5.562G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.538G            | 2    | 5.423G            | 3    | 5.481G            | 4    | 5.307G            |
| 5                                                | 5.357G            | 6    | 5.593G            | 7    | 5.615G            | 8    | 5.404G            |
| 9                                                | 5.711G            | 10   | 5.490G            | 11   | 5.550G            | 12   | 5.416G            |
| 13                                               | 5.519G            | 14   | 5.541G            | 15   | 5.339G            | 16   | 5.612G            |
| 17                                               | 5.699G            | 18   | 5.653G            | 19   | 5.350G            | 20   | 5.369G            |
| 21                                               | 5.373G            | 22   | 5.656G            | 23   | 5.672G            | 24   | 5.688G            |
| 25                                               | 5.403G            | 26   | 5.522G            | 27   | 5.665G            | 28   | 5.675G            |
| 29                                               | 5.297G            | 30   | 5.402G            | 31   | 5.588G            | 32   | 5.673G            |
| 33                                               | 5.421G            | 34   | 5.512G            | 35   | 5.537G            | 36   | 5.715G            |
| 37                                               | 5.299G            | 38   | 5.686G            | 39   | 5.263G            | 40   | 5.679G            |
| 41                                               | 5.391G            | 42   | 5.313G            | 43   | 5.480G            | 44   | 5.561G            |
| 45                                               | 5.523G            | 46   | 5.389G            | 47   | 5.692G            | 48   | 5.569G            |
| 49                                               | 5.556G            | 50   | 5.578G            | 51   | 5.425G            | 52   | 5.517G            |
| 53                                               | 5.475G            | 54   | 5.532G            | 55   | 5.255G            | 56   | 5.375G            |
| 57                                               | 5.349G            | 58   | 5.436G            | 59   | 5.424G            | 60   | 5.271G            |
| 61                                               | 5.390G            | 62   | 5.585G            | 63   | 5.652G            | 64   | 5.486G            |
| 65                                               | 5.722G            | 66   | 5.280G            | 67   | 5.554G            | 68   | 5.514G            |
| 69                                               | 5.587G            | 70   | 5.683G            | 71   | 5.321G            | 72   | 5.547G            |
| 73                                               | 5.590G            | 74   | 5.432G            | 75   | 5.548G            | 76   | 5.657G            |
| 77                                               | 5.279G            | 78   | 5.693G            | 79   | 5.671G            | 80   | 5.539G            |
| 81                                               | 5.438G            | 82   | 5.301G            | 83   | 5.544G            | 84   | 5.670G            |
| 85                                               | 5.346G            | 86   | 5.463G            | 87   | 5.394G            | 88   | 5.567G            |
| 89                                               | 5.526G            | 90   | 5.434G            | 91   | 5.467G            | 92   | 5.611G            |
| 93                                               | 5.295G            | 94   | 5.647G            | 95   | 5.602G            | 96   | 5.318G            |
| 97                                               | 5.714G            | 98   | 5.649G            | 99   | 5.695G            | 100  | 5.630G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.527G            | 2    | 5.604G            | 3    | 5.380G            | 4    | 5.393G            |
| 5                                                | 5.280G            | 6    | 5.665G            | 7    | 5.273G            | 8    | 5.473G            |
| 9                                                | 5.566G            | 10   | 5.647G            | 11   | 5.694G            | 12   | 5.645G            |
| 13                                               | 5.528G            | 14   | 5.359G            | 15   | 5.369G            | 16   | 5.564G            |
| 17                                               | 5.497G            | 18   | 5.669G            | 19   | 5.508G            | 20   | 5.459G            |
| 21                                               | 5.342G            | 22   | 5.563G            | 23   | 5.531G            | 24   | 5.605G            |
| 25                                               | 5.322G            | 26   | 5.436G            | 27   | 5.394G            | 28   | 5.611G            |
| 29                                               | 5.295G            | 30   | 5.441G            | 31   | 5.622G            | 32   | 5.469G            |
| 33                                               | 5.652G            | 34   | 5.638G            | 35   | 5.308G            | 36   | 5.375G            |
| 37                                               | 5.374G            | 38   | 5.309G            | 39   | 5.439G            | 40   | 5.626G            |
| 41                                               | 5.688G            | 42   | 5.345G            | 43   | 5.514G            | 44   | 5.646G            |
| 45                                               | 5.602G            | 46   | 5.666G            | 47   | 5.254G            | 48   | 5.271G            |
| 49                                               | 5.347G            | 50   | 5.470G            | 51   | 5.408G            | 52   | 5.700G            |
| 53                                               | 5.467G            | 54   | 5.480G            | 55   | 5.337G            | 56   | 5.673G            |
| 57                                               | 5.506G            | 58   | 5.417G            | 59   | 5.512G            | 60   | 5.348G            |
| 61                                               | 5.317G            | 62   | 5.621G            | 63   | 5.368G            | 64   | 5.557G            |
| 65                                               | 5.722G            | 66   | 5.266G            | 67   | 5.363G            | 68   | 5.678G            |
| 69                                               | 5.305G            | 70   | 5.485G            | 71   | 5.352G            | 72   | 5.668G            |
| 73                                               | 5.720G            | 74   | 5.509G            | 75   | 5.403G            | 76   | 5.460G            |
| 77                                               | 5.351G            | 78   | 5.556G            | 79   | 5.259G            | 80   | 5.629G            |
| 81                                               | 5.454G            | 82   | 5.723G            | 83   | 5.291G            | 84   | 5.356G            |
| 85                                               | 5.496G            | 86   | 5.681G            | 87   | 5.376G            | 88   | 5.689G            |
| 89                                               | 5.461G            | 90   | 5.711G            | 91   | 5.381G            | 92   | 5.279G            |
| 93                                               | 5.267G            | 94   | 5.533G            | 95   | 5.367G            | 96   | 5.361G            |
| 97                                               | 5.468G            | 98   | 5.389G            | 99   | 5.261G            | 100  | 5.357G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.273G            | 2    | 5.275G            | 3    | 5.630G            | 4    | 5.277G            |
| 5                                                | 5.532G            | 6    | 5.396G            | 7    | 5.342G            | 8    | 5.379G            |
| 9                                                | 5.283G            | 10   | 5.475G            | 11   | 5.423G            | 12   | 5.571G            |
| 13                                               | 5.516G            | 14   | 5.382G            | 15   | 5.467G            | 16   | 5.429G            |
| 17                                               | 5.537G            | 18   | 5.386G            | 19   | 5.678G            | 20   | 5.544G            |
| 21                                               | 5.657G            | 22   | 5.527G            | 23   | 5.340G            | 24   | 5.470G            |
| 25                                               | 5.440G            | 26   | 5.332G            | 27   | 5.406G            | 28   | 5.373G            |
| 29                                               | 5.299G            | 30   | 5.385G            | 31   | 5.314G            | 32   | 5.255G            |
| 33                                               | 5.503G            | 34   | 5.507G            | 35   | 5.335G            | 36   | 5.476G            |
| 37                                               | 5.310G            | 38   | 5.383G            | 39   | 5.337G            | 40   | 5.518G            |
| 41                                               | 5.464G            | 42   | 5.674G            | 43   | 5.560G            | 44   | 5.322G            |
| 45                                               | 5.631G            | 46   | 5.446G            | 47   | 5.270G            | 48   | 5.708G            |
| 49                                               | 5.590G            | 50   | 5.365G            | 51   | 5.591G            | 52   | 5.706G            |
| 53                                               | 5.318G            | 54   | 5.402G            | 55   | 5.703G            | 56   | 5.662G            |
| 57                                               | 5.457G            | 58   | 5.414G            | 59   | 5.278G            | 60   | 5.308G            |
| 61                                               | 5.569G            | 62   | 5.407G            | 63   | 5.426G            | 64   | 5.376G            |
| 65                                               | 5.321G            | 66   | 5.384G            | 67   | 5.381G            | 68   | 5.542G            |
| 69                                               | 5.558G            | 70   | 5.472G            | 71   | 5.684G            | 72   | 5.553G            |
| 73                                               | 5.306G            | 74   | 5.401G            | 75   | 5.715G            | 76   | 5.458G            |
| 77                                               | 5.575G            | 78   | 5.654G            | 79   | 5.352G            | 80   | 5.671G            |
| 81                                               | 5.710G            | 82   | 5.479G            | 83   | 5.690G            | 84   | 5.297G            |
| 85                                               | 5.528G            | 86   | 5.276G            | 87   | 5.368G            | 88   | 5.585G            |
| 89                                               | 5.596G            | 90   | 5.353G            | 91   | 5.681G            | 92   | 5.442G            |
| 93                                               | 5.266G            | 94   | 5.268G            | 95   | 5.291G            | 96   | 5.615G            |
| 97                                               | 5.416G            | 98   | 5.699G            | 99   | 5.663G            | 100  | 5.293G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.706G            | 2    | 5.662G            | 3    | 5.360G            | 4    | 5.585G            |
| 5                                                | 5.609G            | 6    | 5.471G            | 7    | 5.569G            | 8    | 5.485G            |
| 9                                                | 5.292G            | 10   | 5.673G            | 11   | 5.486G            | 12   | 5.626G            |
| 13                                               | 5.430G            | 14   | 5.563G            | 15   | 5.659G            | 16   | 5.287G            |
| 17                                               | 5.687G            | 18   | 5.719G            | 19   | 5.616G            | 20   | 5.668G            |
| 21                                               | 5.621G            | 22   | 5.591G            | 23   | 5.329G            | 24   | 5.558G            |
| 25                                               | 5.540G            | 26   | 5.623G            | 27   | 5.393G            | 28   | 5.712G            |
| 29                                               | 5.689G            | 30   | 5.370G            | 31   | 5.451G            | 32   | 5.545G            |
| 33                                               | 5.448G            | 34   | 5.394G            | 35   | 5.588G            | 36   | 5.633G            |
| 37                                               | 5.561G            | 38   | 5.418G            | 39   | 5.522G            | 40   | 5.707G            |
| 41                                               | 5.480G            | 42   | 5.414G            | 43   | 5.491G            | 44   | 5.312G            |
| 45                                               | 5.704G            | 46   | 5.317G            | 47   | 5.291G            | 48   | 5.319G            |
| 49                                               | 5.321G            | 50   | 5.681G            | 51   | 5.273G            | 52   | 5.473G            |
| 53                                               | 5.547G            | 54   | 5.457G            | 55   | 5.404G            | 56   | 5.456G            |
| 57                                               | 5.296G            | 58   | 5.299G            | 59   | 5.358G            | 60   | 5.684G            |
| 61                                               | 5.705G            | 62   | 5.581G            | 63   | 5.355G            | 64   | 5.592G            |
| 65                                               | 5.575G            | 66   | 5.436G            | 67   | 5.284G            | 68   | 5.381G            |
| 69                                               | 5.542G            | 70   | 5.388G            | 71   | 5.267G            | 72   | 5.254G            |
| 73                                               | 5.643G            | 74   | 5.257G            | 75   | 5.618G            | 76   | 5.332G            |
| 77                                               | 5.560G            | 78   | 5.647G            | 79   | 5.362G            | 80   | 5.677G            |
| 81                                               | 5.670G            | 82   | 5.651G            | 83   | 5.656G            | 84   | 5.425G            |
| 85                                               | 5.584G            | 86   | 5.612G            | 87   | 5.379G            | 88   | 5.368G            |
| 89                                               | 5.600G            | 90   | 5.489G            | 91   | 5.657G            | 92   | 5.357G            |
| 93                                               | 5.263G            | 94   | 5.277G            | 95   | 5.583G            | 96   | 5.555G            |
| 97                                               | 5.307G            | 98   | 5.658G            | 99   | 5.286G            | 100  | 5.487G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.358G            | 2    | 5.423G            | 3    | 5.255G            | 4    | 5.380G            |
| 5                                                | 5.477G            | 6    | 5.387G            | 7    | 5.724G            | 8    | 5.629G            |
| 9                                                | 5.466G            | 10   | 5.254G            | 11   | 5.611G            | 12   | 5.379G            |
| 13                                               | 5.395G            | 14   | 5.702G            | 15   | 5.508G            | 16   | 5.543G            |
| 17                                               | 5.261G            | 18   | 5.360G            | 19   | 5.696G            | 20   | 5.411G            |
| 21                                               | 5.394G            | 22   | 5.460G            | 23   | 5.592G            | 24   | 5.528G            |
| 25                                               | 5.692G            | 26   | 5.449G            | 27   | 5.281G            | 28   | 5.285G            |
| 29                                               | 5.279G            | 30   | 5.558G            | 31   | 5.348G            | 32   | 5.496G            |
| 33                                               | 5.418G            | 34   | 5.647G            | 35   | 5.661G            | 36   | 5.517G            |
| 37                                               | 5.607G            | 38   | 5.359G            | 39   | 5.636G            | 40   | 5.650G            |
| 41                                               | 5.559G            | 42   | 5.642G            | 43   | 5.713G            | 44   | 5.274G            |
| 45                                               | 5.322G            | 46   | 5.604G            | 47   | 5.667G            | 48   | 5.674G            |
| 49                                               | 5.564G            | 50   | 5.414G            | 51   | 5.627G            | 52   | 5.489G            |
| 53                                               | 5.431G            | 54   | 5.298G            | 55   | 5.439G            | 56   | 5.353G            |
| 57                                               | 5.339G            | 58   | 5.398G            | 59   | 5.457G            | 60   | 5.497G            |
| 61                                               | 5.511G            | 62   | 5.390G            | 63   | 5.710G            | 64   | 5.407G            |
| 65                                               | 5.334G            | 66   | 5.609G            | 67   | 5.665G            | 68   | 5.263G            |
| 69                                               | 5.706G            | 70   | 5.259G            | 71   | 5.484G            | 72   | 5.479G            |
| 73                                               | 5.381G            | 74   | 5.693G            | 75   | 5.341G            | 76   | 5.351G            |
| 77                                               | 5.614G            | 78   | 5.566G            | 79   | 5.422G            | 80   | 5.475G            |
| 81                                               | 5.467G            | 82   | 5.386G            | 83   | 5.492G            | 84   | 5.705G            |
| 85                                               | 5.504G            | 86   | 5.399G            | 87   | 5.286G            | 88   | 5.610G            |
| 89                                               | 5.267G            | 90   | 5.670G            | 91   | 5.646G            | 92   | 5.265G            |
| 93                                               | 5.486G            | 94   | 5.635G            | 95   | 5.615G            | 96   | 5.608G            |
| 97                                               | 5.633G            | 98   | 5.514G            | 99   | 5.723G            | 100  | 5.372G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.597G            | 2    | 5.266G            | 3    | 5.337G            | 4    | 5.578G            |
| 5                                                | 5.512G            | 6    | 5.712G            | 7    | 5.553G            | 8    | 5.671G            |
| 9                                                | 5.628G            | 10   | 5.713G            | 11   | 5.392G            | 12   | 5.346G            |
| 13                                               | 5.681G            | 14   | 5.520G            | 15   | 5.356G            | 16   | 5.488G            |
| 17                                               | 5.257G            | 18   | 5.393G            | 19   | 5.458G            | 20   | 5.605G            |
| 21                                               | 5.297G            | 22   | 5.287G            | 23   | 5.637G            | 24   | 5.710G            |
| 25                                               | 5.505G            | 26   | 5.549G            | 27   | 5.455G            | 28   | 5.385G            |
| 29                                               | 5.344G            | 30   | 5.402G            | 31   | 5.534G            | 32   | 5.452G            |
| 33                                               | 5.404G            | 34   | 5.461G            | 35   | 5.363G            | 36   | 5.322G            |
| 37                                               | 5.309G            | 38   | 5.638G            | 39   | 5.299G            | 40   | 5.445G            |
| 41                                               | 5.368G            | 42   | 5.288G            | 43   | 5.624G            | 44   | 5.516G            |
| 45                                               | 5.298G            | 46   | 5.548G            | 47   | 5.694G            | 48   | 5.685G            |
| 49                                               | 5.716G            | 50   | 5.500G            | 51   | 5.618G            | 52   | 5.431G            |
| 53                                               | 5.286G            | 54   | 5.547G            | 55   | 5.328G            | 56   | 5.351G            |
| 57                                               | 5.595G            | 58   | 5.253G            | 59   | 5.723G            | 60   | 5.350G            |
| 61                                               | 5.613G            | 62   | 5.542G            | 63   | 5.325G            | 64   | 5.255G            |
| 65                                               | 5.433G            | 66   | 5.469G            | 67   | 5.539G            | 68   | 5.420G            |
| 69                                               | 5.487G            | 70   | 5.345G            | 71   | 5.634G            | 72   | 5.483G            |
| 73                                               | 5.606G            | 74   | 5.722G            | 75   | 5.399G            | 76   | 5.386G            |
| 77                                               | 5.342G            | 78   | 5.459G            | 79   | 5.689G            | 80   | 5.658G            |
| 81                                               | 5.599G            | 82   | 5.557G            | 83   | 5.478G            | 84   | 5.477G            |
| 85                                               | 5.603G            | 86   | 5.473G            | 87   | 5.410G            | 88   | 5.540G            |
| 89                                               | 5.446G            | 90   | 5.443G            | 91   | 5.623G            | 92   | 5.550G            |
| 93                                               | 5.616G            | 94   | 5.670G            | 95   | 5.376G            | 96   | 5.341G            |
| 97                                               | 5.412G            | 98   | 5.596G            | 99   | 5.693G            | 100  | 5.347G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.481G            | 2    | 5.267G            | 3    | 5.677G            | 4    | 5.358G            |
| 5                                                | 5.424G            | 6    | 5.457G            | 7    | 5.486G            | 8    | 5.285G            |
| 9                                                | 5.455G            | 10   | 5.632G            | 11   | 5.637G            | 12   | 5.679G            |
| 13                                               | 5.534G            | 14   | 5.651G            | 15   | 5.341G            | 16   | 5.376G            |
| 17                                               | 5.580G            | 18   | 5.705G            | 19   | 5.505G            | 20   | 5.438G            |
| 21                                               | 5.610G            | 22   | 5.606G            | 23   | 5.682G            | 24   | 5.578G            |
| 25                                               | 5.627G            | 26   | 5.674G            | 27   | 5.410G            | 28   | 5.370G            |
| 29                                               | 5.631G            | 30   | 5.475G            | 31   | 5.514G            | 32   | 5.694G            |
| 33                                               | 5.405G            | 34   | 5.555G            | 35   | 5.659G            | 36   | 5.420G            |
| 37                                               | 5.533G            | 38   | 5.575G            | 39   | 5.508G            | 40   | 5.266G            |
| 41                                               | 5.471G            | 42   | 5.657G            | 43   | 5.392G            | 44   | 5.339G            |
| 45                                               | 5.562G            | 46   | 5.348G            | 47   | 5.497G            | 48   | 5.278G            |
| 49                                               | 5.628G            | 50   | 5.643G            | 51   | 5.292G            | 52   | 5.528G            |
| 53                                               | 5.595G            | 54   | 5.450G            | 55   | 5.461G            | 56   | 5.387G            |
| 57                                               | 5.665G            | 58   | 5.257G            | 59   | 5.454G            | 60   | 5.301G            |
| 61                                               | 5.540G            | 62   | 5.571G            | 63   | 5.391G            | 64   | 5.568G            |
| 65                                               | 5.343G            | 66   | 5.347G            | 67   | 5.565G            | 68   | 5.718G            |
| 69                                               | 5.646G            | 70   | 5.488G            | 71   | 5.608G            | 72   | 5.710G            |
| 73                                               | 5.569G            | 74   | 5.377G            | 75   | 5.408G            | 76   | 5.572G            |
| 77                                               | 5.626G            | 78   | 5.666G            | 79   | 5.412G            | 80   | 5.284G            |
| 81                                               | 5.473G            | 82   | 5.459G            | 83   | 5.402G            | 84   | 5.416G            |
| 85                                               | 5.480G            | 86   | 5.525G            | 87   | 5.413G            | 88   | 5.519G            |
| 89                                               | 5.375G            | 90   | 5.602G            | 91   | 5.640G            | 92   | 5.478G            |
| 93                                               | 5.418G            | 94   | 5.653G            | 95   | 5.681G            | 96   | 5.421G            |
| 97                                               | 5.638G            | 98   | 5.714G            | 99   | 5.536G            | 100  | 5.673G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.585G            | 2    | 5.257G            | 3    | 5.621G            | 4    | 5.720G            |
| 5                                                | 5.611G            | 6    | 5.538G            | 7    | 5.556G            | 8    | 5.427G            |
| 9                                                | 5.657G            | 10   | 5.628G            | 11   | 5.508G            | 12   | 5.367G            |
| 13                                               | 5.291G            | 14   | 5.341G            | 15   | 5.300G            | 16   | 5.485G            |
| 17                                               | 5.630G            | 18   | 5.648G            | 19   | 5.697G            | 20   | 5.378G            |
| 21                                               | 5.386G            | 22   | 5.711G            | 23   | 5.584G            | 24   | 5.350G            |
| 25                                               | 5.365G            | 26   | 5.337G            | 27   | 5.501G            | 28   | 5.272G            |
| 29                                               | 5.463G            | 30   | 5.420G            | 31   | 5.668G            | 32   | 5.283G            |
| 33                                               | 5.323G            | 34   | 5.640G            | 35   | 5.629G            | 36   | 5.502G            |
| 37                                               | 5.612G            | 38   | 5.329G            | 39   | 5.469G            | 40   | 5.701G            |
| 41                                               | 5.588G            | 42   | 5.295G            | 43   | 5.418G            | 44   | 5.683G            |
| 45                                               | 5.315G            | 46   | 5.573G            | 47   | 5.517G            | 48   | 5.592G            |
| 49                                               | 5.387G            | 50   | 5.311G            | 51   | 5.595G            | 52   | 5.580G            |
| 53                                               | 5.445G            | 54   | 5.381G            | 55   | 5.318G            | 56   | 5.523G            |
| 57                                               | 5.271G            | 58   | 5.705G            | 59   | 5.712G            | 60   | 5.669G            |
| 61                                               | 5.715G            | 62   | 5.507G            | 63   | 5.623G            | 64   | 5.491G            |
| 65                                               | 5.515G            | 66   | 5.604G            | 67   | 5.267G            | 68   | 5.368G            |
| 69                                               | 5.625G            | 70   | 5.714G            | 71   | 5.581G            | 72   | 5.407G            |
| 73                                               | 5.665G            | 74   | 5.475G            | 75   | 5.616G            | 76   | 5.276G            |
| 77                                               | 5.474G            | 78   | 5.716G            | 79   | 5.423G            | 80   | 5.302G            |
| 81                                               | 5.410G            | 82   | 5.496G            | 83   | 5.471G            | 84   | 5.413G            |
| 85                                               | 5.339G            | 86   | 5.565G            | 87   | 5.266G            | 88   | 5.352G            |
| 89                                               | 5.521G            | 90   | 5.275G            | 91   | 5.652G            | 92   | 5.653G            |
| 93                                               | 5.601G            | 94   | 5.593G            | 95   | 5.681G            | 96   | 5.656G            |
| 97                                               | 5.476G            | 98   | 5.498G            | 99   | 5.348G            | 100  | 5.446G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.303G            | 2    | 5.525G            | 3    | 5.524G            | 4    | 5.392G            |
| 5                                                | 5.396G            | 6    | 5.518G            | 7    | 5.534G            | 8    | 5.685G            |
| 9                                                | 5.573G            | 10   | 5.406G            | 11   | 5.468G            | 12   | 5.389G            |
| 13                                               | 5.492G            | 14   | 5.341G            | 15   | 5.585G            | 16   | 5.540G            |
| 17                                               | 5.323G            | 18   | 5.653G            | 19   | 5.652G            | 20   | 5.269G            |
| 21                                               | 5.460G            | 22   | 5.387G            | 23   | 5.443G            | 24   | 5.424G            |
| 25                                               | 5.643G            | 26   | 5.678G            | 27   | 5.312G            | 28   | 5.526G            |
| 29                                               | 5.675G            | 30   | 5.626G            | 31   | 5.515G            | 32   | 5.668G            |
| 33                                               | 5.495G            | 34   | 5.611G            | 35   | 5.633G            | 36   | 5.408G            |
| 37                                               | 5.344G            | 38   | 5.305G            | 39   | 5.493G            | 40   | 5.623G            |
| 41                                               | 5.717G            | 42   | 5.411G            | 43   | 5.569G            | 44   | 5.516G            |
| 45                                               | 5.478G            | 46   | 5.538G            | 47   | 5.673G            | 48   | 5.255G            |
| 49                                               | 5.566G            | 50   | 5.340G            | 51   | 5.512G            | 52   | 5.463G            |
| 53                                               | 5.561G            | 54   | 5.661G            | 55   | 5.624G            | 56   | 5.713G            |
| 57                                               | 5.256G            | 58   | 5.533G            | 59   | 5.322G            | 60   | 5.503G            |
| 61                                               | 5.487G            | 62   | 5.394G            | 63   | 5.638G            | 64   | 5.436G            |
| 65                                               | 5.311G            | 66   | 5.635G            | 67   | 5.298G            | 68   | 5.284G            |
| 69                                               | 5.375G            | 70   | 5.336G            | 71   | 5.694G            | 72   | 5.456G            |
| 73                                               | 5.295G            | 74   | 5.577G            | 75   | 5.605G            | 76   | 5.625G            |
| 77                                               | 5.417G            | 78   | 5.592G            | 79   | 5.437G            | 80   | 5.627G            |
| 81                                               | 5.629G            | 82   | 5.388G            | 83   | 5.414G            | 84   | 5.264G            |
| 85                                               | 5.572G            | 86   | 5.701G            | 87   | 5.360G            | 88   | 5.508G            |
| 89                                               | 5.689G            | 90   | 5.266G            | 91   | 5.707G            | 92   | 5.543G            |
| 93                                               | 5.671G            | 94   | 5.632G            | 95   | 5.596G            | 96   | 5.407G            |
| 97                                               | 5.510G            | 98   | 5.612G            | 99   | 5.337G            | 100  | 5.576G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.320G            | 2    | 5.569G            | 3    | 5.430G            | 4    | 5.515G            |
| 5                                                | 5.378G            | 6    | 5.686G            | 7    | 5.418G            | 8    | 5.682G            |
| 9                                                | 5.367G            | 10   | 5.715G            | 11   | 5.444G            | 12   | 5.405G            |
| 13                                               | 5.695G            | 14   | 5.421G            | 15   | 5.574G            | 16   | 5.293G            |
| 17                                               | 5.266G            | 18   | 5.450G            | 19   | 5.462G            | 20   | 5.524G            |
| 21                                               | 5.499G            | 22   | 5.520G            | 23   | 5.455G            | 24   | 5.270G            |
| 25                                               | 5.345G            | 26   | 5.560G            | 27   | 5.466G            | 28   | 5.491G            |
| 29                                               | 5.498G            | 30   | 5.602G            | 31   | 5.274G            | 32   | 5.550G            |
| 33                                               | 5.393G            | 34   | 5.454G            | 35   | 5.268G            | 36   | 5.590G            |
| 37                                               | 5.608G            | 38   | 5.424G            | 39   | 5.600G            | 40   | 5.276G            |
| 41                                               | 5.305G            | 42   | 5.374G            | 43   | 5.588G            | 44   | 5.662G            |
| 45                                               | 5.541G            | 46   | 5.516G            | 47   | 5.463G            | 48   | 5.677G            |
| 49                                               | 5.555G            | 50   | 5.540G            | 51   | 5.649G            | 52   | 5.484G            |
| 53                                               | 5.639G            | 54   | 5.641G            | 55   | 5.655G            | 56   | 5.316G            |
| 57                                               | 5.678G            | 58   | 5.357G            | 59   | 5.547G            | 60   | 5.269G            |
| 61                                               | 5.397G            | 62   | 5.318G            | 63   | 5.302G            | 64   | 5.596G            |
| 65                                               | 5.411G            | 66   | 5.538G            | 67   | 5.568G            | 68   | 5.626G            |
| 69                                               | 5.694G            | 70   | 5.671G            | 71   | 5.323G            | 72   | 5.267G            |
| 73                                               | 5.693G            | 74   | 5.643G            | 75   | 5.443G            | 76   | 5.598G            |
| 77                                               | 5.502G            | 78   | 5.528G            | 79   | 5.341G            | 80   | 5.445G            |
| 81                                               | 5.691G            | 82   | 5.353G            | 83   | 5.368G            | 84   | 5.575G            |
| 85                                               | 5.344G            | 86   | 5.440G            | 87   | 5.489G            | 88   | 5.501G            |
| 89                                               | 5.292G            | 90   | 5.355G            | 91   | 5.534G            | 92   | 5.642G            |
| 93                                               | 5.423G            | 94   | 5.545G            | 95   | 5.470G            | 96   | 5.409G            |
| 97                                               | 5.425G            | 98   | 5.612G            | 99   | 5.651G            | 100  | 5.688G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.679G            | 2    | 5.438G            | 3    | 5.375G            | 4    | 5.447G            |
| 5                                                | 5.698G            | 6    | 5.642G            | 7    | 5.366G            | 8    | 5.662G            |
| 9                                                | 5.653G            | 10   | 5.250G            | 11   | 5.299G            | 12   | 5.427G            |
| 13                                               | 5.303G            | 14   | 5.277G            | 15   | 5.283G            | 16   | 5.574G            |
| 17                                               | 5.720G            | 18   | 5.279G            | 19   | 5.455G            | 20   | 5.470G            |
| 21                                               | 5.638G            | 22   | 5.639G            | 23   | 5.323G            | 24   | 5.643G            |
| 25                                               | 5.619G            | 26   | 5.575G            | 27   | 5.633G            | 28   | 5.710G            |
| 29                                               | 5.411G            | 30   | 5.645G            | 31   | 5.712G            | 32   | 5.510G            |
| 33                                               | 5.604G            | 34   | 5.680G            | 35   | 5.284G            | 36   | 5.357G            |
| 37                                               | 5.397G            | 38   | 5.322G            | 39   | 5.294G            | 40   | 5.681G            |
| 41                                               | 5.555G            | 42   | 5.523G            | 43   | 5.591G            | 44   | 5.593G            |
| 45                                               | 5.392G            | 46   | 5.342G            | 47   | 5.401G            | 48   | 5.255G            |
| 49                                               | 5.363G            | 50   | 5.345G            | 51   | 5.348G            | 52   | 5.281G            |
| 53                                               | 5.449G            | 54   | 5.319G            | 55   | 5.671G            | 56   | 5.498G            |
| 57                                               | 5.558G            | 58   | 5.350G            | 59   | 5.464G            | 60   | 5.405G            |
| 61                                               | 5.717G            | 62   | 5.317G            | 63   | 5.669G            | 64   | 5.526G            |
| 65                                               | 5.530G            | 66   | 5.597G            | 67   | 5.329G            | 68   | 5.508G            |
| 69                                               | 5.270G            | 70   | 5.552G            | 71   | 5.634G            | 72   | 5.355G            |
| 73                                               | 5.646G            | 74   | 5.461G            | 75   | 5.516G            | 76   | 5.380G            |
| 77                                               | 5.263G            | 78   | 5.387G            | 79   | 5.306G            | 80   | 5.341G            |
| 81                                               | 5.605G            | 82   | 5.606G            | 83   | 5.687G            | 84   | 5.637G            |
| 85                                               | 5.362G            | 86   | 5.325G            | 87   | 5.305G            | 88   | 5.326G            |
| 89                                               | 5.688G            | 90   | 5.390G            | 91   | 5.477G            | 92   | 5.567G            |
| 93                                               | 5.320G            | 94   | 5.651G            | 95   | 5.499G            | 96   | 5.721G            |
| 97                                               | 5.296G            | 98   | 5.410G            | 99   | 5.673G            | 100  | 5.586G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.426G            | 2    | 5.604G            | 3    | 5.396G            | 4    | 5.259G            |
| 5                                                | 5.410G            | 6    | 5.543G            | 7    | 5.666G            | 8    | 5.395G            |
| 9                                                | 5.569G            | 10   | 5.340G            | 11   | 5.348G            | 12   | 5.690G            |
| 13                                               | 5.679G            | 14   | 5.628G            | 15   | 5.515G            | 16   | 5.588G            |
| 17                                               | 5.436G            | 18   | 5.547G            | 19   | 5.555G            | 20   | 5.385G            |
| 21                                               | 5.456G            | 22   | 5.563G            | 23   | 5.499G            | 24   | 5.573G            |
| 25                                               | 5.526G            | 26   | 5.264G            | 27   | 5.521G            | 28   | 5.528G            |
| 29                                               | 5.334G            | 30   | 5.363G            | 31   | 5.470G            | 32   | 5.386G            |
| 33                                               | 5.275G            | 34   | 5.693G            | 35   | 5.493G            | 36   | 5.427G            |
| 37                                               | 5.665G            | 38   | 5.446G            | 39   | 5.681G            | 40   | 5.382G            |
| 41                                               | 5.336G            | 42   | 5.416G            | 43   | 5.447G            | 44   | 5.390G            |
| 45                                               | 5.278G            | 46   | 5.685G            | 47   | 5.263G            | 48   | 5.342G            |
| 49                                               | 5.345G            | 50   | 5.343G            | 51   | 5.497G            | 52   | 5.653G            |
| 53                                               | 5.417G            | 54   | 5.309G            | 55   | 5.509G            | 56   | 5.579G            |
| 57                                               | 5.441G            | 58   | 5.684G            | 59   | 5.397G            | 60   | 5.341G            |
| 61                                               | 5.372G            | 62   | 5.315G            | 63   | 5.554G            | 64   | 5.540G            |
| 65                                               | 5.546G            | 66   | 5.268G            | 67   | 5.299G            | 68   | 5.561G            |
| 69                                               | 5.317G            | 70   | 5.656G            | 71   | 5.318G            | 72   | 5.703G            |
| 73                                               | 5.516G            | 74   | 5.544G            | 75   | 5.454G            | 76   | 5.414G            |
| 77                                               | 5.273G            | 78   | 5.574G            | 79   | 5.535G            | 80   | 5.380G            |
| 81                                               | 5.457G            | 82   | 5.595G            | 83   | 5.548G            | 84   | 5.466G            |
| 85                                               | 5.672G            | 86   | 5.271G            | 87   | 5.486G            | 88   | 5.650G            |
| 89                                               | 5.490G            | 90   | 5.699G            | 91   | 5.381G            | 92   | 5.581G            |
| 93                                               | 5.276G            | 94   | 5.550G            | 95   | 5.487G            | 96   | 5.402G            |
| 97                                               | 5.257G            | 98   | 5.406G            | 99   | 5.323G            | 100  | 5.371G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.421G            | 2    | 5.452G            | 3    | 5.547G            | 4    | 5.598G            |
| 5                                                | 5.335G            | 6    | 5.378G            | 7    | 5.572G            | 8    | 5.279G            |
| 9                                                | 5.419G            | 10   | 5.605G            | 11   | 5.553G            | 12   | 5.461G            |
| 13                                               | 5.406G            | 14   | 5.397G            | 15   | 5.293G            | 16   | 5.401G            |
| 17                                               | 5.435G            | 18   | 5.596G            | 19   | 5.683G            | 20   | 5.352G            |
| 21                                               | 5.480G            | 22   | 5.416G            | 23   | 5.575G            | 24   | 5.543G            |
| 25                                               | 5.708G            | 26   | 5.449G            | 27   | 5.652G            | 28   | 5.372G            |
| 29                                               | 5.661G            | 30   | 5.483G            | 31   | 5.588G            | 32   | 5.315G            |
| 33                                               | 5.251G            | 34   | 5.611G            | 35   | 5.667G            | 36   | 5.264G            |
| 37                                               | 5.283G            | 38   | 5.339G            | 39   | 5.592G            | 40   | 5.363G            |
| 41                                               | 5.629G            | 42   | 5.594G            | 43   | 5.518G            | 44   | 5.674G            |
| 45                                               | 5.573G            | 46   | 5.531G            | 47   | 5.323G            | 48   | 5.405G            |
| 49                                               | 5.353G            | 50   | 5.617G            | 51   | 5.468G            | 52   | 5.671G            |
| 53                                               | 5.695G            | 54   | 5.269G            | 55   | 5.515G            | 56   | 5.580G            |
| 57                                               | 5.649G            | 58   | 5.673G            | 59   | 5.299G            | 60   | 5.644G            |
| 61                                               | 5.509G            | 62   | 5.650G            | 63   | 5.500G            | 64   | 5.467G            |
| 65                                               | 5.344G            | 66   | 5.614G            | 67   | 5.538G            | 68   | 5.622G            |
| 69                                               | 5.645G            | 70   | 5.721G            | 71   | 5.368G            | 72   | 5.627G            |
| 73                                               | 5.260G            | 74   | 5.620G            | 75   | 5.601G            | 76   | 5.356G            |
| 77                                               | 5.413G            | 78   | 5.340G            | 79   | 5.451G            | 80   | 5.697G            |
| 81                                               | 5.643G            | 82   | 5.519G            | 83   | 5.444G            | 84   | 5.578G            |
| 85                                               | 5.624G            | 86   | 5.556G            | 87   | 5.551G            | 88   | 5.355G            |
| 89                                               | 5.677G            | 90   | 5.439G            | 91   | 5.548G            | 92   | 5.338G            |
| 93                                               | 5.277G            | 94   | 5.387G            | 95   | 5.252G            | 96   | 5.311G            |
| 97                                               | 5.651G            | 98   | 5.599G            | 99   | 5.574G            | 100  | 5.600G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.487G            | 2    | 5.444G            | 3    | 5.562G            | 4    | 5.715G            |
| 5                                                | 5.662G            | 6    | 5.308G            | 7    | 5.379G            | 8    | 5.453G            |
| 9                                                | 5.368G            | 10   | 5.629G            | 11   | 5.514G            | 12   | 5.329G            |
| 13                                               | 5.538G            | 14   | 5.356G            | 15   | 5.588G            | 16   | 5.391G            |
| 17                                               | 5.413G            | 18   | 5.700G            | 19   | 5.381G            | 20   | 5.618G            |
| 21                                               | 5.455G            | 22   | 5.558G            | 23   | 5.352G            | 24   | 5.582G            |
| 25                                               | 5.283G            | 26   | 5.709G            | 27   | 5.542G            | 28   | 5.394G            |
| 29                                               | 5.663G            | 30   | 5.689G            | 31   | 5.288G            | 32   | 5.262G            |
| 33                                               | 5.370G            | 34   | 5.371G            | 35   | 5.577G            | 36   | 5.702G            |
| 37                                               | 5.299G            | 38   | 5.465G            | 39   | 5.325G            | 40   | 5.503G            |
| 41                                               | 5.312G            | 42   | 5.549G            | 43   | 5.451G            | 44   | 5.314G            |
| 45                                               | 5.319G            | 46   | 5.274G            | 47   | 5.682G            | 48   | 5.388G            |
| 49                                               | 5.546G            | 50   | 5.513G            | 51   | 5.474G            | 52   | 5.713G            |
| 53                                               | 5.260G            | 54   | 5.251G            | 55   | 5.722G            | 56   | 5.408G            |
| 57                                               | 5.625G            | 58   | 5.392G            | 59   | 5.418G            | 60   | 5.389G            |
| 61                                               | 5.492G            | 62   | 5.668G            | 63   | 5.697G            | 64   | 5.482G            |
| 65                                               | 5.300G            | 66   | 5.647G            | 67   | 5.599G            | 68   | 5.494G            |
| 69                                               | 5.571G            | 70   | 5.348G            | 71   | 5.460G            | 72   | 5.716G            |
| 73                                               | 5.551G            | 74   | 5.327G            | 75   | 5.366G            | 76   | 5.509G            |
| 77                                               | 5.600G            | 78   | 5.406G            | 79   | 5.622G            | 80   | 5.495G            |
| 81                                               | 5.712G            | 82   | 5.404G            | 83   | 5.421G            | 84   | 5.464G            |
| 85                                               | 5.393G            | 86   | 5.470G            | 87   | 5.676G            | 88   | 5.617G            |
| 89                                               | 5.594G            | 90   | 5.637G            | 91   | 5.425G            | 92   | 5.691G            |
| 93                                               | 5.278G            | 94   | 5.410G            | 95   | 5.486G            | 96   | 5.632G            |
| 97                                               | 5.653G            | 98   | 5.400G            | 99   | 5.572G            | 100  | 5.426G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.329G            | 2    | 5.351G            | 3    | 5.639G            | 4    | 5.713G            |
| 5                                                | 5.256G            | 6    | 5.715G            | 7    | 5.672G            | 8    | 5.430G            |
| 9                                                | 5.291G            | 10   | 5.665G            | 11   | 5.459G            | 12   | 5.427G            |
| 13                                               | 5.693G            | 14   | 5.462G            | 15   | 5.571G            | 16   | 5.573G            |
| 17                                               | 5.474G            | 18   | 5.262G            | 19   | 5.596G            | 20   | 5.287G            |
| 21                                               | 5.327G            | 22   | 5.341G            | 23   | 5.326G            | 24   | 5.701G            |
| 25                                               | 5.457G            | 26   | 5.576G            | 27   | 5.681G            | 28   | 5.620G            |
| 29                                               | 5.325G            | 30   | 5.671G            | 31   | 5.543G            | 32   | 5.720G            |
| 33                                               | 5.521G            | 34   | 5.360G            | 35   | 5.485G            | 36   | 5.509G            |
| 37                                               | 5.408G            | 38   | 5.334G            | 39   | 5.555G            | 40   | 5.315G            |
| 41                                               | 5.417G            | 42   | 5.694G            | 43   | 5.623G            | 44   | 5.654G            |
| 45                                               | 5.253G            | 46   | 5.499G            | 47   | 5.544G            | 48   | 5.293G            |
| 49                                               | 5.708G            | 50   | 5.372G            | 51   | 5.366G            | 52   | 5.520G            |
| 53                                               | 5.302G            | 54   | 5.711G            | 55   | 5.590G            | 56   | 5.477G            |
| 57                                               | 5.349G            | 58   | 5.712G            | 59   | 5.305G            | 60   | 5.281G            |
| 61                                               | 5.383G            | 62   | 5.467G            | 63   | 5.397G            | 64   | 5.388G            |
| 65                                               | 5.527G            | 66   | 5.540G            | 67   | 5.651G            | 68   | 5.511G            |
| 69                                               | 5.386G            | 70   | 5.370G            | 71   | 5.580G            | 72   | 5.517G            |
| 73                                               | 5.684G            | 74   | 5.519G            | 75   | 5.435G            | 76   | 5.444G            |
| 77                                               | 5.535G            | 78   | 5.298G            | 79   | 5.699G            | 80   | 5.554G            |
| 81                                               | 5.514G            | 82   | 5.319G            | 83   | 5.473G            | 84   | 5.348G            |
| 85                                               | 5.705G            | 86   | 5.594G            | 87   | 5.323G            | 88   | 5.484G            |
| 89                                               | 5.506G            | 90   | 5.714G            | 91   | 5.411G            | 92   | 5.359G            |
| 93                                               | 5.421G            | 94   | 5.487G            | 95   | 5.258G            | 96   | 5.312G            |
| 97                                               | 5.491G            | 98   | 5.269G            | 99   | 5.320G            | 100  | 5.641G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.288G            | 2    | 5.291G            | 3    | 5.457G            | 4    | 5.252G            |
| 5                                                | 5.596G            | 6    | 5.598G            | 7    | 5.306G            | 8    | 5.434G            |
| 9                                                | 5.633G            | 10   | 5.625G            | 11   | 5.374G            | 12   | 5.477G            |
| 13                                               | 5.684G            | 14   | 5.272G            | 15   | 5.664G            | 16   | 5.441G            |
| 17                                               | 5.399G            | 18   | 5.586G            | 19   | 5.261G            | 20   | 5.656G            |
| 21                                               | 5.621G            | 22   | 5.373G            | 23   | 5.280G            | 24   | 5.376G            |
| 25                                               | 5.349G            | 26   | 5.530G            | 27   | 5.632G            | 28   | 5.348G            |
| 29                                               | 5.333G            | 30   | 5.618G            | 31   | 5.391G            | 32   | 5.283G            |
| 33                                               | 5.265G            | 34   | 5.273G            | 35   | 5.594G            | 36   | 5.440G            |
| 37                                               | 5.548G            | 38   | 5.651G            | 39   | 5.724G            | 40   | 5.584G            |
| 41                                               | 5.676G            | 42   | 5.682G            | 43   | 5.506G            | 44   | 5.294G            |
| 45                                               | 5.679G            | 46   | 5.323G            | 47   | 5.649G            | 48   | 5.497G            |
| 49                                               | 5.361G            | 50   | 5.337G            | 51   | 5.286G            | 52   | 5.268G            |
| 53                                               | 5.524G            | 54   | 5.513G            | 55   | 5.257G            | 56   | 5.300G            |
| 57                                               | 5.697G            | 58   | 5.504G            | 59   | 5.492G            | 60   | 5.607G            |
| 61                                               | 5.525G            | 62   | 5.377G            | 63   | 5.432G            | 64   | 5.310G            |
| 65                                               | 5.320G            | 66   | 5.661G            | 67   | 5.250G            | 68   | 5.493G            |
| 69                                               | 5.593G            | 70   | 5.346G            | 71   | 5.456G            | 72   | 5.307G            |
| 73                                               | 5.368G            | 74   | 5.281G            | 75   | 5.636G            | 76   | 5.382G            |
| 77                                               | 5.540G            | 78   | 5.538G            | 79   | 5.502G            | 80   | 5.573G            |
| 81                                               | 5.692G            | 82   | 5.445G            | 83   | 5.590G            | 84   | 5.370G            |
| 85                                               | 5.570G            | 86   | 5.439G            | 87   | 5.654G            | 88   | 5.443G            |
| 89                                               | 5.352G            | 90   | 5.581G            | 91   | 5.295G            | 92   | 5.681G            |
| 93                                               | 5.322G            | 94   | 5.680G            | 95   | 5.327G            | 96   | 5.561G            |
| 97                                               | 5.345G            | 98   | 5.550G            | 99   | 5.356G            | 100  | 5.609G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.269G            | 2    | 5.285G            | 3    | 5.400G            | 4    | 5.637G            |
| 5                                                | 5.564G            | 6    | 5.523G            | 7    | 5.255G            | 8    | 5.461G            |
| 9                                                | 5.563G            | 10   | 5.552G            | 11   | 5.625G            | 12   | 5.421G            |
| 13                                               | 5.531G            | 14   | 5.695G            | 15   | 5.271G            | 16   | 5.590G            |
| 17                                               | 5.484G            | 18   | 5.456G            | 19   | 5.352G            | 20   | 5.409G            |
| 21                                               | 5.672G            | 22   | 5.459G            | 23   | 5.292G            | 24   | 5.359G            |
| 25                                               | 5.486G            | 26   | 5.422G            | 27   | 5.650G            | 28   | 5.407G            |
| 29                                               | 5.633G            | 30   | 5.532G            | 31   | 5.720G            | 32   | 5.493G            |
| 33                                               | 5.357G            | 34   | 5.439G            | 35   | 5.472G            | 36   | 5.628G            |
| 37                                               | 5.442G            | 38   | 5.668G            | 39   | 5.343G            | 40   | 5.638G            |
| 41                                               | 5.466G            | 42   | 5.470G            | 43   | 5.585G            | 44   | 5.611G            |
| 45                                               | 5.471G            | 46   | 5.524G            | 47   | 5.307G            | 48   | 5.441G            |
| 49                                               | 5.398G            | 50   | 5.529G            | 51   | 5.545G            | 52   | 5.325G            |
| 53                                               | 5.641G            | 54   | 5.688G            | 55   | 5.657G            | 56   | 5.429G            |
| 57                                               | 5.302G            | 58   | 5.719G            | 59   | 5.687G            | 60   | 5.494G            |
| 61                                               | 5.328G            | 62   | 5.397G            | 63   | 5.475G            | 64   | 5.626G            |
| 65                                               | 5.693G            | 66   | 5.265G            | 67   | 5.608G            | 68   | 5.337G            |
| 69                                               | 5.485G            | 70   | 5.703G            | 71   | 5.554G            | 72   | 5.294G            |
| 73                                               | 5.505G            | 74   | 5.314G            | 75   | 5.324G            | 76   | 5.405G            |
| 77                                               | 5.355G            | 78   | 5.389G            | 79   | 5.649G            | 80   | 5.620G            |
| 81                                               | 5.259G            | 82   | 5.566G            | 83   | 5.645G            | 84   | 5.701G            |
| 85                                               | 5.510G            | 86   | 5.370G            | 87   | 5.539G            | 88   | 5.423G            |
| 89                                               | 5.342G            | 90   | 5.609G            | 91   | 5.384G            | 92   | 5.629G            |
| 93                                               | 5.369G            | 94   | 5.613G            | 95   | 5.718G            | 96   | 5.381G            |
| 97                                               | 5.424G            | 98   | 5.578G            | 99   | 5.568G            | 100  | 5.427G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.576G            | 2    | 5.614G            | 3    | 5.255G            | 4    | 5.381G            |
| 5                                                | 5.450G            | 6    | 5.715G            | 7    | 5.545G            | 8    | 5.517G            |
| 9                                                | 5.647G            | 10   | 5.317G            | 11   | 5.546G            | 12   | 5.375G            |
| 13                                               | 5.530G            | 14   | 5.439G            | 15   | 5.344G            | 16   | 5.541G            |
| 17                                               | 5.323G            | 18   | 5.513G            | 19   | 5.480G            | 20   | 5.586G            |
| 21                                               | 5.300G            | 22   | 5.565G            | 23   | 5.341G            | 24   | 5.472G            |
| 25                                               | 5.283G            | 26   | 5.524G            | 27   | 5.307G            | 28   | 5.284G            |
| 29                                               | 5.388G            | 30   | 5.583G            | 31   | 5.663G            | 32   | 5.332G            |
| 33                                               | 5.484G            | 34   | 5.362G            | 35   | 5.658G            | 36   | 5.295G            |
| 37                                               | 5.446G            | 38   | 5.491G            | 39   | 5.441G            | 40   | 5.570G            |
| 41                                               | 5.351G            | 42   | 5.533G            | 43   | 5.349G            | 44   | 5.655G            |
| 45                                               | 5.563G            | 46   | 5.638G            | 47   | 5.613G            | 48   | 5.646G            |
| 49                                               | 5.285G            | 50   | 5.696G            | 51   | 5.417G            | 52   | 5.358G            |
| 53                                               | 5.703G            | 54   | 5.669G            | 55   | 5.662G            | 56   | 5.713G            |
| 57                                               | 5.335G            | 58   | 5.321G            | 59   | 5.438G            | 60   | 5.355G            |
| 61                                               | 5.628G            | 62   | 5.412G            | 63   | 5.700G            | 64   | 5.674G            |
| 65                                               | 5.536G            | 66   | 5.334G            | 67   | 5.626G            | 68   | 5.465G            |
| 69                                               | 5.310G            | 70   | 5.518G            | 71   | 5.282G            | 72   | 5.551G            |
| 73                                               | 5.585G            | 74   | 5.548G            | 75   | 5.680G            | 76   | 5.376G            |
| 77                                               | 5.338G            | 78   | 5.440G            | 79   | 5.266G            | 80   | 5.648G            |
| 81                                               | 5.516G            | 82   | 5.468G            | 83   | 5.644G            | 84   | 5.414G            |
| 85                                               | 5.579G            | 86   | 5.393G            | 87   | 5.643G            | 88   | 5.537G            |
| 89                                               | 5.487G            | 90   | 5.592G            | 91   | 5.590G            | 92   | 5.423G            |
| 93                                               | 5.430G            | 94   | 5.288G            | 95   | 5.387G            | 96   | 5.636G            |
| 97                                               | 5.456G            | 98   | 5.508G            | 99   | 5.359G            | 100  | 5.425G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.650G            | 2    | 5.457G            | 3    | 5.366G            | 4    | 5.672G            |
| 5                                                | 5.654G            | 6    | 5.255G            | 7    | 5.381G            | 8    | 5.432G            |
| 9                                                | 5.701G            | 10   | 5.639G            | 11   | 5.310G            | 12   | 5.598G            |
| 13                                               | 5.405G            | 14   | 5.576G            | 15   | 5.464G            | 16   | 5.529G            |
| 17                                               | 5.659G            | 18   | 5.278G            | 19   | 5.251G            | 20   | 5.525G            |
| 21                                               | 5.530G            | 22   | 5.528G            | 23   | 5.567G            | 24   | 5.486G            |
| 25                                               | 5.394G            | 26   | 5.690G            | 27   | 5.713G            | 28   | 5.315G            |
| 29                                               | 5.533G            | 30   | 5.614G            | 31   | 5.623G            | 32   | 5.395G            |
| 33                                               | 5.620G            | 34   | 5.308G            | 35   | 5.379G            | 36   | 5.281G            |
| 37                                               | 5.677G            | 38   | 5.304G            | 39   | 5.537G            | 40   | 5.364G            |
| 41                                               | 5.352G            | 42   | 5.339G            | 43   | 5.284G            | 44   | 5.456G            |
| 45                                               | 5.626G            | 46   | 5.632G            | 47   | 5.287G            | 48   | 5.592G            |
| 49                                               | 5.452G            | 50   | 5.470G            | 51   | 5.329G            | 52   | 5.388G            |
| 53                                               | 5.356G            | 54   | 5.585G            | 55   | 5.593G            | 56   | 5.283G            |
| 57                                               | 5.603G            | 58   | 5.361G            | 59   | 5.408G            | 60   | 5.717G            |
| 61                                               | 5.404G            | 62   | 5.298G            | 63   | 5.347G            | 64   | 5.332G            |
| 65                                               | 5.412G            | 66   | 5.697G            | 67   | 5.674G            | 68   | 5.263G            |
| 69                                               | 5.499G            | 70   | 5.372G            | 71   | 5.676G            | 72   | 5.609G            |
| 73                                               | 5.619G            | 74   | 5.468G            | 75   | 5.692G            | 76   | 5.577G            |
| 77                                               | 5.578G            | 78   | 5.268G            | 79   | 5.428G            | 80   | 5.552G            |
| 81                                               | 5.413G            | 82   | 5.482G            | 83   | 5.579G            | 84   | 5.662G            |
| 85                                               | 5.621G            | 86   | 5.572G            | 87   | 5.682G            | 88   | 5.625G            |
| 89                                               | 5.644G            | 90   | 5.279G            | 91   | 5.253G            | 92   | 5.652G            |
| 93                                               | 5.678G            | 94   | 5.360G            | 95   | 5.627G            | 96   | 5.270G            |
| 97                                               | 5.721G            | 98   | 5.261G            | 99   | 5.497G            | 100  | 5.441G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.564G            | 2    | 5.702G            | 3    | 5.585G            | 4    | 5.465G            |
| 5                                                | 5.407G            | 6    | 5.670G            | 7    | 5.522G            | 8    | 5.466G            |
| 9                                                | 5.628G            | 10   | 5.659G            | 11   | 5.485G            | 12   | 5.704G            |
| 13                                               | 5.640G            | 14   | 5.367G            | 15   | 5.510G            | 16   | 5.722G            |
| 17                                               | 5.412G            | 18   | 5.355G            | 19   | 5.430G            | 20   | 5.549G            |
| 21                                               | 5.361G            | 22   | 5.329G            | 23   | 5.389G            | 24   | 5.587G            |
| 25                                               | 5.621G            | 26   | 5.720G            | 27   | 5.451G            | 28   | 5.320G            |
| 29                                               | 5.321G            | 30   | 5.424G            | 31   | 5.508G            | 32   | 5.618G            |
| 33                                               | 5.278G            | 34   | 5.556G            | 35   | 5.387G            | 36   | 5.374G            |
| 37                                               | 5.562G            | 38   | 5.553G            | 39   | 5.470G            | 40   | 5.276G            |
| 41                                               | 5.457G            | 42   | 5.439G            | 43   | 5.711G            | 44   | 5.518G            |
| 45                                               | 5.458G            | 46   | 5.513G            | 47   | 5.500G            | 48   | 5.376G            |
| 49                                               | 5.402G            | 50   | 5.447G            | 51   | 5.669G            | 52   | 5.524G            |
| 53                                               | 5.400G            | 54   | 5.515G            | 55   | 5.625G            | 56   | 5.652G            |
| 57                                               | 5.449G            | 58   | 5.301G            | 59   | 5.484G            | 60   | 5.529G            |
| 61                                               | 5.541G            | 62   | 5.333G            | 63   | 5.255G            | 64   | 5.354G            |
| 65                                               | 5.695G            | 66   | 5.365G            | 67   | 5.701G            | 68   | 5.494G            |
| 69                                               | 5.646G            | 70   | 5.454G            | 71   | 5.613G            | 72   | 5.721G            |
| 73                                               | 5.595G            | 74   | 5.688G            | 75   | 5.690G            | 76   | 5.487G            |
| 77                                               | 5.415G            | 78   | 5.428G            | 79   | 5.548G            | 80   | 5.591G            |
| 81                                               | 5.277G            | 82   | 5.496G            | 83   | 5.323G            | 84   | 5.302G            |
| 85                                               | 5.719G            | 86   | 5.298G            | 87   | 5.299G            | 88   | 5.614G            |
| 89                                               | 5.405G            | 90   | 5.497G            | 91   | 5.563G            | 92   | 5.291G            |
| 93                                               | 5.724G            | 94   | 5.483G            | 95   | 5.271G            | 96   | 5.297G            |
| 97                                               | 5.559G            | 98   | 5.311G            | 99   | 5.426G            | 100  | 5.360G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.336G            | 2    | 5.277G            | 3    | 5.619G            | 4    | 5.303G            |
| 5                                                | 5.685G            | 6    | 5.545G            | 7    | 5.356G            | 8    | 5.341G            |
| 9                                                | 5.471G            | 10   | 5.533G            | 11   | 5.724G            | 12   | 5.716G            |
| 13                                               | 5.267G            | 14   | 5.495G            | 15   | 5.253G            | 16   | 5.460G            |
| 17                                               | 5.600G            | 18   | 5.279G            | 19   | 5.333G            | 20   | 5.335G            |
| 21                                               | 5.566G            | 22   | 5.384G            | 23   | 5.718G            | 24   | 5.616G            |
| 25                                               | 5.598G            | 26   | 5.588G            | 27   | 5.722G            | 28   | 5.591G            |
| 29                                               | 5.621G            | 30   | 5.475G            | 31   | 5.366G            | 32   | 5.692G            |
| 33                                               | 5.681G            | 34   | 5.306G            | 35   | 5.595G            | 36   | 5.594G            |
| 37                                               | 5.673G            | 38   | 5.291G            | 39   | 5.400G            | 40   | 5.269G            |
| 41                                               | 5.426G            | 42   | 5.491G            | 43   | 5.281G            | 44   | 5.395G            |
| 45                                               | 5.515G            | 46   | 5.288G            | 47   | 5.519G            | 48   | 5.334G            |
| 49                                               | 5.711G            | 50   | 5.550G            | 51   | 5.464G            | 52   | 5.525G            |
| 53                                               | 5.377G            | 54   | 5.265G            | 55   | 5.452G            | 56   | 5.596G            |
| 57                                               | 5.297G            | 58   | 5.305G            | 59   | 5.565G            | 60   | 5.579G            |
| 61                                               | 5.345G            | 62   | 5.703G            | 63   | 5.719G            | 64   | 5.298G            |
| 65                                               | 5.541G            | 66   | 5.456G            | 67   | 5.282G            | 68   | 5.645G            |
| 69                                               | 5.421G            | 70   | 5.357G            | 71   | 5.351G            | 72   | 5.431G            |
| 73                                               | 5.674G            | 74   | 5.449G            | 75   | 5.576G            | 76   | 5.539G            |
| 77                                               | 5.264G            | 78   | 5.257G            | 79   | 5.439G            | 80   | 5.562G            |
| 81                                               | 5.493G            | 82   | 5.642G            | 83   | 5.668G            | 84   | 5.477G            |
| 85                                               | 5.450G            | 86   | 5.311G            | 87   | 5.544G            | 88   | 5.707G            |
| 89                                               | 5.402G            | 90   | 5.567G            | 91   | 5.442G            | 92   | 5.343G            |
| 93                                               | 5.720G            | 94   | 5.397G            | 95   | 5.665G            | 96   | 5.582G            |
| 97                                               | 5.405G            | 98   | 5.467G            | 99   | 5.444G            | 100  | 5.693G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.474G            | 2    | 5.271G            | 3    | 5.495G            | 4    | 5.592G            |
| 5                                                | 5.560G            | 6    | 5.447G            | 7    | 5.713G            | 8    | 5.561G            |
| 9                                                | 5.389G            | 10   | 5.526G            | 11   | 5.400G            | 12   | 5.715G            |
| 13                                               | 5.672G            | 14   | 5.388G            | 15   | 5.450G            | 16   | 5.325G            |
| 17                                               | 5.706G            | 18   | 5.556G            | 19   | 5.621G            | 20   | 5.522G            |
| 21                                               | 5.532G            | 22   | 5.357G            | 23   | 5.587G            | 24   | 5.258G            |
| 25                                               | 5.435G            | 26   | 5.329G            | 27   | 5.716G            | 28   | 5.571G            |
| 29                                               | 5.344G            | 30   | 5.250G            | 31   | 5.649G            | 32   | 5.639G            |
| 33                                               | 5.611G            | 34   | 5.466G            | 35   | 5.612G            | 36   | 5.274G            |
| 37                                               | 5.263G            | 38   | 5.539G            | 39   | 5.434G            | 40   | 5.645G            |
| 41                                               | 5.615G            | 42   | 5.572G            | 43   | 5.574G            | 44   | 5.549G            |
| 45                                               | 5.420G            | 46   | 5.646G            | 47   | 5.501G            | 48   | 5.402G            |
| 49                                               | 5.453G            | 50   | 5.320G            | 51   | 5.674G            | 52   | 5.491G            |
| 53                                               | 5.683G            | 54   | 5.700G            | 55   | 5.607G            | 56   | 5.441G            |
| 57                                               | 5.625G            | 58   | 5.464G            | 59   | 5.699G            | 60   | 5.490G            |
| 61                                               | 5.265G            | 62   | 5.719G            | 63   | 5.470G            | 64   | 5.494G            |
| 65                                               | 5.302G            | 66   | 5.391G            | 67   | 5.541G            | 68   | 5.641G            |
| 69                                               | 5.338G            | 70   | 5.722G            | 71   | 5.475G            | 72   | 5.295G            |
| 73                                               | 5.352G            | 74   | 5.692G            | 75   | 5.583G            | 76   | 5.529G            |
| 77                                               | 5.665G            | 78   | 5.603G            | 79   | 5.423G            | 80   | 5.465G            |
| 81                                               | 5.487G            | 82   | 5.415G            | 83   | 5.381G            | 84   | 5.354G            |
| 85                                               | 5.624G            | 86   | 5.502G            | 87   | 5.533G            | 88   | 5.688G            |
| 89                                               | 5.375G            | 90   | 5.272G            | 91   | 5.622G            | 92   | 5.437G            |
| 93                                               | 5.499G            | 94   | 5.714G            | 95   | 5.578G            | 96   | 5.576G            |
| 97                                               | 5.278G            | 98   | 5.513G            | 99   | 5.419G            | 100  | 5.383G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.668G            | 2    | 5.412G            | 3    | 5.577G            | 4    | 5.421G            |
| 5                                                | 5.372G            | 6    | 5.376G            | 7    | 5.363G            | 8    | 5.645G            |
| 9                                                | 5.696G            | 10   | 5.596G            | 11   | 5.650G            | 12   | 5.587G            |
| 13                                               | 5.306G            | 14   | 5.691G            | 15   | 5.341G            | 16   | 5.256G            |
| 17                                               | 5.399G            | 18   | 5.429G            | 19   | 5.392G            | 20   | 5.632G            |
| 21                                               | 5.263G            | 22   | 5.466G            | 23   | 5.567G            | 24   | 5.265G            |
| 25                                               | 5.522G            | 26   | 5.661G            | 27   | 5.700G            | 28   | 5.511G            |
| 29                                               | 5.536G            | 30   | 5.326G            | 31   | 5.709G            | 32   | 5.695G            |
| 33                                               | 5.669G            | 34   | 5.523G            | 35   | 5.582G            | 36   | 5.580G            |
| 37                                               | 5.550G            | 38   | 5.277G            | 39   | 5.285G            | 40   | 5.557G            |
| 41                                               | 5.574G            | 42   | 5.461G            | 43   | 5.425G            | 44   | 5.551G            |
| 45                                               | 5.608G            | 46   | 5.261G            | 47   | 5.317G            | 48   | 5.260G            |
| 49                                               | 5.439G            | 50   | 5.562G            | 51   | 5.324G            | 52   | 5.414G            |
| 53                                               | 5.527G            | 54   | 5.497G            | 55   | 5.686G            | 56   | 5.259G            |
| 57                                               | 5.664G            | 58   | 5.590G            | 59   | 5.478G            | 60   | 5.404G            |
| 61                                               | 5.589G            | 62   | 5.607G            | 63   | 5.481G            | 64   | 5.689G            |
| 65                                               | 5.389G            | 66   | 5.640G            | 67   | 5.720G            | 68   | 5.697G            |
| 69                                               | 5.402G            | 70   | 5.452G            | 71   | 5.313G            | 72   | 5.717G            |
| 73                                               | 5.257G            | 74   | 5.287G            | 75   | 5.534G            | 76   | 5.553G            |
| 77                                               | 5.304G            | 78   | 5.684G            | 79   | 5.374G            | 80   | 5.390G            |
| 81                                               | 5.441G            | 82   | 5.506G            | 83   | 5.444G            | 84   | 5.329G            |
| 85                                               | 5.250G            | 86   | 5.503G            | 87   | 5.588G            | 88   | 5.442G            |
| 89                                               | 5.611G            | 90   | 5.561G            | 91   | 5.406G            | 92   | 5.663G            |
| 93                                               | 5.297G            | 94   | 5.619G            | 95   | 5.405G            | 96   | 5.677G            |
| 97                                               | 5.501G            | 98   | 5.508G            | 99   | 5.262G            | 100  | 5.474G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.307G            | 2    | 5.649G            | 3    | 5.482G            | 4    | 5.315G            |
| 5                                                | 5.443G            | 6    | 5.285G            | 7    | 5.390G            | 8    | 5.326G            |
| 9                                                | 5.654G            | 10   | 5.581G            | 11   | 5.263G            | 12   | 5.687G            |
| 13                                               | 5.679G            | 14   | 5.486G            | 15   | 5.279G            | 16   | 5.680G            |
| 17                                               | 5.387G            | 18   | 5.608G            | 19   | 5.487G            | 20   | 5.724G            |
| 21                                               | 5.683G            | 22   | 5.430G            | 23   | 5.436G            | 24   | 5.320G            |
| 25                                               | 5.281G            | 26   | 5.257G            | 27   | 5.539G            | 28   | 5.255G            |
| 29                                               | 5.622G            | 30   | 5.359G            | 31   | 5.251G            | 32   | 5.418G            |
| 33                                               | 5.456G            | 34   | 5.569G            | 35   | 5.628G            | 36   | 5.643G            |
| 37                                               | 5.301G            | 38   | 5.488G            | 39   | 5.338G            | 40   | 5.584G            |
| 41                                               | 5.685G            | 42   | 5.503G            | 43   | 5.411G            | 44   | 5.697G            |
| 45                                               | 5.574G            | 46   | 5.558G            | 47   | 5.468G            | 48   | 5.355G            |
| 49                                               | 5.478G            | 50   | 5.549G            | 51   | 5.283G            | 52   | 5.648G            |
| 53                                               | 5.695G            | 54   | 5.371G            | 55   | 5.304G            | 56   | 5.705G            |
| 57                                               | 5.722G            | 58   | 5.349G            | 59   | 5.453G            | 60   | 5.591G            |
| 61                                               | 5.678G            | 62   | 5.401G            | 63   | 5.284G            | 64   | 5.481G            |
| 65                                               | 5.381G            | 66   | 5.644G            | 67   | 5.422G            | 68   | 5.590G            |
| 69                                               | 5.547G            | 70   | 5.458G            | 71   | 5.274G            | 72   | 5.446G            |
| 73                                               | 5.523G            | 74   | 5.391G            | 75   | 5.719G            | 76   | 5.296G            |
| 77                                               | 5.521G            | 78   | 5.286G            | 79   | 5.435G            | 80   | 5.336G            |
| 81                                               | 5.619G            | 82   | 5.668G            | 83   | 5.565G            | 84   | 5.343G            |
| 85                                               | 5.434G            | 86   | 5.356G            | 87   | 5.374G            | 88   | 5.278G            |
| 89                                               | 5.449G            | 90   | 5.660G            | 91   | 5.544G            | 92   | 5.363G            |
| 93                                               | 5.604G            | 94   | 5.314G            | 95   | 5.499G            | 96   | 5.531G            |
| 97                                               | 5.322G            | 98   | 5.347G            | 99   | 5.675G            | 100  | 5.273G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.587G            | 2    | 5.271G            | 3    | 5.622G            | 4    | 5.676G            |
| 5                                                | 5.627G            | 6    | 5.604G            | 7    | 5.309G            | 8    | 5.666G            |
| 9                                                | 5.449G            | 10   | 5.613G            | 11   | 5.340G            | 12   | 5.579G            |
| 13                                               | 5.372G            | 14   | 5.263G            | 15   | 5.252G            | 16   | 5.665G            |
| 17                                               | 5.568G            | 18   | 5.386G            | 19   | 5.639G            | 20   | 5.480G            |
| 21                                               | 5.251G            | 22   | 5.270G            | 23   | 5.614G            | 24   | 5.698G            |
| 25                                               | 5.549G            | 26   | 5.451G            | 27   | 5.335G            | 28   | 5.685G            |
| 29                                               | 5.464G            | 30   | 5.424G            | 31   | 5.291G            | 32   | 5.400G            |
| 33                                               | 5.555G            | 34   | 5.530G            | 35   | 5.510G            | 36   | 5.278G            |
| 37                                               | 5.257G            | 38   | 5.595G            | 39   | 5.724G            | 40   | 5.645G            |
| 41                                               | 5.675G            | 42   | 5.317G            | 43   | 5.695G            | 44   | 5.722G            |
| 45                                               | 5.277G            | 46   | 5.522G            | 47   | 5.686G            | 48   | 5.597G            |
| 49                                               | 5.588G            | 50   | 5.517G            | 51   | 5.518G            | 52   | 5.707G            |
| 53                                               | 5.431G            | 54   | 5.364G            | 55   | 5.542G            | 56   | 5.513G            |
| 57                                               | 5.322G            | 58   | 5.405G            | 59   | 5.402G            | 60   | 5.560G            |
| 61                                               | 5.677G            | 62   | 5.492G            | 63   | 5.446G            | 64   | 5.268G            |
| 65                                               | 5.717G            | 66   | 5.459G            | 67   | 5.357G            | 68   | 5.655G            |
| 69                                               | 5.650G            | 70   | 5.314G            | 71   | 5.688G            | 72   | 5.528G            |
| 73                                               | 5.535G            | 74   | 5.715G            | 75   | 5.380G            | 76   | 5.648G            |
| 77                                               | 5.556G            | 78   | 5.531G            | 79   | 5.616G            | 80   | 5.586G            |
| 81                                               | 5.612G            | 82   | 5.435G            | 83   | 5.656G            | 84   | 5.659G            |
| 85                                               | 5.546G            | 86   | 5.407G            | 87   | 5.346G            | 88   | 5.516G            |
| 89                                               | 5.623G            | 90   | 5.634G            | 91   | 5.325G            | 92   | 5.420G            |
| 93                                               | 5.720G            | 94   | 5.558G            | 95   | 5.478G            | 96   | 5.644G            |
| 97                                               | 5.311G            | 98   | 5.607G            | 99   | 5.273G            | 100  | 5.444G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.490G            | 2    | 5.296G            | 3    | 5.458G            | 4    | 5.553G            |
| 5                                                | 5.430G            | 6    | 5.516G            | 7    | 5.414G            | 8    | 5.618G            |
| 9                                                | 5.521G            | 10   | 5.544G            | 11   | 5.721G            | 12   | 5.438G            |
| 13                                               | 5.311G            | 14   | 5.677G            | 15   | 5.386G            | 16   | 5.382G            |
| 17                                               | 5.600G            | 18   | 5.446G            | 19   | 5.549G            | 20   | 5.422G            |
| 21                                               | 5.291G            | 22   | 5.581G            | 23   | 5.316G            | 24   | 5.359G            |
| 25                                               | 5.637G            | 26   | 5.588G            | 27   | 5.612G            | 28   | 5.288G            |
| 29                                               | 5.455G            | 30   | 5.541G            | 31   | 5.385G            | 32   | 5.557G            |
| 33                                               | 5.413G            | 34   | 5.701G            | 35   | 5.515G            | 36   | 5.254G            |
| 37                                               | 5.459G            | 38   | 5.714G            | 39   | 5.502G            | 40   | 5.528G            |
| 41                                               | 5.536G            | 42   | 5.260G            | 43   | 5.614G            | 44   | 5.451G            |
| 45                                               | 5.663G            | 46   | 5.532G            | 47   | 5.273G            | 48   | 5.482G            |
| 49                                               | 5.689G            | 50   | 5.326G            | 51   | 5.578G            | 52   | 5.537G            |
| 53                                               | 5.266G            | 54   | 5.387G            | 55   | 5.299G            | 56   | 5.513G            |
| 57                                               | 5.355G            | 58   | 5.297G            | 59   | 5.569G            | 60   | 5.262G            |
| 61                                               | 5.699G            | 62   | 5.551G            | 63   | 5.648G            | 64   | 5.679G            |
| 65                                               | 5.389G            | 66   | 5.607G            | 67   | 5.450G            | 68   | 5.421G            |
| 69                                               | 5.571G            | 70   | 5.629G            | 71   | 5.345G            | 72   | 5.623G            |
| 73                                               | 5.380G            | 74   | 5.643G            | 75   | 5.656G            | 76   | 5.500G            |
| 77                                               | 5.664G            | 78   | 5.550G            | 79   | 5.554G            | 80   | 5.269G            |
| 81                                               | 5.435G            | 82   | 5.442G            | 83   | 5.715G            | 84   | 5.284G            |
| 85                                               | 5.277G            | 86   | 5.582G            | 87   | 5.460G            | 88   | 5.412G            |
| 89                                               | 5.638G            | 90   | 5.354G            | 91   | 5.265G            | 92   | 5.323G            |
| 93                                               | 5.585G            | 94   | 5.539G            | 95   | 5.711G            | 96   | 5.390G            |
| 97                                               | 5.697G            | 98   | 5.619G            | 99   | 5.552G            | 100  | 5.650G            |

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| Type 1 Radar Statistical Performances |                  |                 |                                   |         |                       |           |
|---------------------------------------|------------------|-----------------|-----------------------------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | Pulse Repetition Frequency Number | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 89               | 1.0u            | 5                                 | 598.0u  | 5252                  | Yes       |
| 2                                     | 81               | 1.0u            | 8                                 | 658.0u  | 5255                  | Yes       |
| 3                                     | 86               | 1.0u            | 6                                 | 618.0u  | 5257                  | Yes       |
| 4                                     | 78               | 1.0u            | 9                                 | 678.0u  | 5258                  | Yes       |
| 5                                     | 76               | 1.0u            | 10                                | 698.0u  | 5260                  | Yes       |
| 6                                     | 72               | 1.0u            | 12                                | 738.0u  | 5261                  | Yes       |
| 7                                     | 70               | 1.0u            | 13                                | 758.0u  | 5263                  | Yes       |
| 8                                     | 68               | 1.0u            | 14                                | 778.0u  | 5265                  | Yes       |
| 9                                     | 65               | 1.0u            | 16                                | 818.0u  | 5267                  | Yes       |
| 10                                    | 63               | 1.0u            | 17                                | 838.0u  | 5269                  | Yes       |
| 11                                    | 62               | 1.0u            | 18                                | 858.0u  | 5271                  | Yes       |
| 12                                    | 61               | 1.0u            | 19                                | 878.0u  | 5273                  | Yes       |
| 13                                    | 59               | 1.0u            | 20                                | 898.0u  | 5275                  | Yes       |
| 14                                    | 58               | 1.0u            | 21                                | 918.0u  | 5277                  | Yes       |
| 15                                    | 57               | 1.0u            | 22                                | 938.0u  | 5280                  | Yes       |
| 16                                    | 68               | 1.0u            | -                                 | 781.0u  | 5284                  | Yes       |
| 17                                    | 60               | 1.0u            | -                                 | 881.0u  | 5287                  | Yes       |
| 18                                    | 59               | 1.0u            | -                                 | 907.0u  | 5290                  | Yes       |
| 19                                    | 59               | 1.0u            | -                                 | 931.0u  | 5292                  | Yes       |
| 20                                    | 63               | 1.0u            | -                                 | 851.0u  | 5296                  | Yes       |
| 21                                    | 71               | 1.0u            | -                                 | 751.0u  | 5300                  | Yes       |
| 22                                    | 67               | 1.0u            | -                                 | 793.0u  | 5304                  | Yes       |
| 23                                    | 64               | 1.0u            | -                                 | 833.0u  | 5306                  | Yes       |
| 24                                    | 60               | 1.0u            | -                                 | 893.0u  | 5310                  | Yes       |
| 25                                    | 86               | 1.0u            | -                                 | 617.0u  | 5312                  | Yes       |
| 26                                    | 76               | 1.0u            | -                                 | 697.0u  | 5315                  | Yes       |
| 27                                    | 68               | 1.0u            | -                                 | 777.0u  | 5317                  | Yes       |
| 28                                    | 67               | 1.0u            | -                                 | 797.0u  | 5320                  | Yes       |
| 29                                    | 64               | 1.0u            | -                                 | 837.0u  | 5325                  | Yes       |
| 30                                    | 58               | 1.0u            | -                                 | 917.0u  | 5328                  | Yes       |
| Detection Rate: 100 %                 |                  |                 |                                   |         |                       |           |

| Type 2 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 26               | 3.3u            | 225.0u  | 5252                  | Yes       |
| 2                                     | 27               | 3.6u            | 171.0u  | 5255                  | Yes       |
| 3                                     | 24               | 2.9u            | 155.0u  | 5257                  | Yes       |
| 4                                     | 28               | 1.1u            | 174.0u  | 5258                  | Yes       |
| 5                                     | 24               | 3.8u            | 179.0u  | 5260                  | Yes       |
| 6                                     | 24               | 3.7u            | 217.0u  | 5261                  | Yes       |
| 7                                     | 23               | 2.9u            | 153.0u  | 5263                  | Yes       |
| 8                                     | 26               | 4.8u            | 169.0u  | 5265                  | Yes       |
| 9                                     | 25               | 1.2u            | 152.0u  | 5267                  | Yes       |
| 10                                    | 28               | 2.6u            | 228.0u  | 5269                  | Yes       |
| 11                                    | 26               | 1.6u            | 151.0u  | 5271                  | Yes       |
| 12                                    | 24               | 2.0u            | 152.0u  | 5273                  | Yes       |
| 13                                    | 26               | 1.7u            | 176.0u  | 5275                  | Yes       |
| 14                                    | 29               | 4.4u            | 229.0u  | 5277                  | Yes       |
| 15                                    | 25               | 3.2u            | 169.0u  | 5280                  | Yes       |
| 16                                    | 24               | 4.5u            | 226.0u  | 5284                  | Yes       |
| 17                                    | 27               | 3.1u            | 156.0u  | 5287                  | Yes       |
| 18                                    | 23               | 1.5u            | 176.0u  | 5290                  | Yes       |
| 19                                    | 28               | 3.5u            | 225.0u  | 5292                  | Yes       |
| 20                                    | 28               | 1.8u            | 182.0u  | 5296                  | Yes       |
| 21                                    | 27               | 1.2u            | 180.0u  | 5300                  | Yes       |
| 22                                    | 28               | 3.5u            | 213.0u  | 5304                  | Yes       |
| 23                                    | 24               | 2.5u            | 175.0u  | 5306                  | Yes       |
| 24                                    | 27               | 3.1u            | 164.0u  | 5310                  | Yes       |
| 25                                    | 26               | 1.8u            | 151.0u  | 5312                  | Yes       |
| 26                                    | 26               | 1.7u            | 217.0u  | 5315                  | Yes       |
| 27                                    | 25               | 3.1u            | 183.0u  | 5317                  | No        |
| 28                                    | 23               | 1.3u            | 185.0u  | 5320                  | Yes       |
| 29                                    | 26               | 1.4u            | 219.0u  | 5325                  | Yes       |
| 30                                    | 24               | 3.5u            | 183.0u  | 5328                  | Yes       |
| Detection Rate: 96.7 %                |                  |                 |         |                       |           |

| Type 3 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 16               | 8.8u            | 280.0u  | 5252                  | Yes       |
| 2                                     | 16               | 8.8u            | 462.0u  | 5255                  | Yes       |
| 3                                     | 18               | 6.0u            | 378.0u  | 5257                  | Yes       |
| 4                                     | 16               | 8.8u            | 413.0u  | 5258                  | Yes       |
| 5                                     | 17               | 8.7u            | 385.0u  | 5260                  | Yes       |
| 6                                     | 17               | 8.5u            | 447.0u  | 5261                  | Yes       |
| 7                                     | 16               | 7.5u            | 284.0u  | 5263                  | Yes       |
| 8                                     | 16               | 9.9u            | 276.0u  | 5265                  | Yes       |
| 9                                     | 17               | 9.9u            | 461.0u  | 5267                  | Yes       |
| 10                                    | 16               | 8.4u            | 446.0u  | 5269                  | Yes       |
| 11                                    | 16               | 8.9u            | 314.0u  | 5271                  | No        |
| 12                                    | 18               | 6.3u            | 387.0u  | 5273                  | Yes       |
| 13                                    | 17               | 8.5u            | 273.0u  | 5275                  | Yes       |
| 14                                    | 18               | 8.6u            | 322.0u  | 5277                  | Yes       |
| 15                                    | 17               | 7.0u            | 286.0u  | 5280                  | Yes       |
| 16                                    | 18               | 9.2u            | 305.0u  | 5284                  | Yes       |
| 17                                    | 17               | 9.2u            | 316.0u  | 5287                  | Yes       |
| 18                                    | 16               | 7.4u            | 214.0u  | 5290                  | No        |
| 19                                    | 18               | 9.3u            | 255.0u  | 5292                  | Yes       |
| 20                                    | 17               | 9.6u            | 240.0u  | 5296                  | Yes       |
| 21                                    | 17               | 6.0u            | 205.0u  | 5300                  | Yes       |
| 22                                    | 16               | 6.9u            | 202.0u  | 5304                  | No        |
| 23                                    | 17               | 7.9u            | 405.0u  | 5306                  | Yes       |
| 24                                    | 17               | 9.1u            | 397.0u  | 5310                  | Yes       |
| 25                                    | 16               | 8.2u            | 485.0u  | 5312                  | Yes       |
| 26                                    | 16               | 9.9u            | 428.0u  | 5315                  | Yes       |
| 27                                    | 17               | 7.2u            | 247.0u  | 5317                  | No        |
| 28                                    | 17               | 8.7u            | 457.0u  | 5320                  | Yes       |
| 29                                    | 17               | 8.1u            | 327.0u  | 5325                  | Yes       |
| 30                                    | 17               | 7.0u            | 429.0u  | 5328                  | Yes       |
| Detection Rate: 86.7 %                |                  |                 |         |                       |           |

| Type 4 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 14               | 16.1u           | 359.0u  | 5252                  | Yes       |
| 2                                     | 12               | 19.9u           | 419.0u  | 5255                  | No        |
| 3                                     | 15               | 19.1u           | 300.0u  | 5257                  | Yes       |
| 4                                     | 12               | 16.5u           | 497.0u  | 5258                  | Yes       |
| 5                                     | 16               | 11.5u           | 347.0u  | 5260                  | Yes       |
| 6                                     | 15               | 13.0u           | 396.0u  | 5261                  | No        |
| 7                                     | 16               | 12.4u           | 326.0u  | 5263                  | No        |
| 8                                     | 14               | 17.7u           | 309.0u  | 5265                  | Yes       |
| 9                                     | 14               | 17.9u           | 416.0u  | 5267                  | Yes       |
| 10                                    | 14               | 14.4u           | 441.0u  | 5269                  | Yes       |
| 11                                    | 14               | 11.4u           | 305.0u  | 5271                  | Yes       |
| 12                                    | 15               | 17.7u           | 333.0u  | 5273                  | Yes       |
| 13                                    | 13               | 17.2u           | 203.0u  | 5275                  | Yes       |
| 14                                    | 16               | 16.1u           | 371.0u  | 5277                  | No        |
| 15                                    | 15               | 19.9u           | 204.0u  | 5280                  | Yes       |
| 16                                    | 12               | 12.8u           | 444.0u  | 5284                  | Yes       |
| 17                                    | 15               | 15.6u           | 415.0u  | 5287                  | Yes       |
| 18                                    | 14               | 19.7u           | 321.0u  | 5290                  | Yes       |
| 19                                    | 14               | 19.9u           | 499.0u  | 5292                  | Yes       |
| 20                                    | 13               | 13.1u           | 438.0u  | 5296                  | Yes       |
| 21                                    | 15               | 16.6u           | 432.0u  | 5300                  | Yes       |
| 22                                    | 13               | 18.1u           | 351.0u  | 5304                  | Yes       |
| 23                                    | 16               | 18.6u           | 382.0u  | 5306                  | Yes       |
| 24                                    | 15               | 19.2u           | 484.0u  | 5310                  | Yes       |
| 25                                    | 16               | 15.7u           | 496.0u  | 5312                  | Yes       |
| 26                                    | 15               | 13.7u           | 368.0u  | 5315                  | Yes       |
| 27                                    | 13               | 17.7u           | 311.0u  | 5317                  | Yes       |
| 28                                    | 13               | 13.8u           | 368.0u  | 5320                  | Yes       |
| 29                                    | 13               | 19.1u           | 404.0u  | 5325                  | Yes       |
| 30                                    | 13               | 15.2u           | 226.0u  | 5328                  | Yes       |
| Detection Rate: 86.7 %                |                  |                 |         |                       |           |

| Type 5 Radar Statistical Performances |                  |           |
|---------------------------------------|------------------|-----------|
| Trial #                               | Test Signal Name | Detection |
| 1                                     | LP_Signal_01     | No        |
| 2                                     | LP_Signal_02     | Yes       |
| 3                                     | LP_Signal_03     | No        |
| 4                                     | LP_Signal_04     | Yes       |
| 5                                     | LP_Signal_05     | Yes       |
| 6                                     | LP_Signal_06     | Yes       |
| 7                                     | LP_Signal_07     | Yes       |
| 8                                     | LP_Signal_08     | Yes       |
| 9                                     | LP_Signal_09     | Yes       |
| 10                                    | LP_Signal_10     | Yes       |
| 11                                    | LP_Signal_11     | Yes       |
| 12                                    | LP_Signal_12     | Yes       |
| 13                                    | LP_Signal_13     | Yes       |
| 14                                    | LP_Signal_14     | Yes       |
| 15                                    | LP_Signal_15     | Yes       |
| 16                                    | LP_Signal_16     | Yes       |
| 17                                    | LP_Signal_17     | Yes       |
| 18                                    | LP_Signal_18     | Yes       |
| 19                                    | LP_Signal_19     | Yes       |
| 20                                    | LP_Signal_20     | Yes       |
| 21                                    | LP_Signal_21     | Yes       |
| 22                                    | LP_Signal_22     | Yes       |
| 23                                    | LP_Signal_23     | Yes       |
| 24                                    | LP_Signal_24     | Yes       |
| 25                                    | LP_Signal_25     | Yes       |
| 26                                    | LP_Signal_26     | Yes       |
| 27                                    | LP_Signal_27     | Yes       |
| 28                                    | LP_Signal_28     | No        |
| 29                                    | LP_Signal_29     | Yes       |
| 30                                    | LP_Signal_30     | Yes       |
| Detection Rate: 90 %                  |                  |           |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_01  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5254MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 5M            | 96.5u              | -                           | -                           | 857.4m                |
| 2                               | 2                   | 5M            | 53.0u              | 1.173m                      | -                           | 643.5m                |
| 3                               | 1                   | 5M            | 84.3u              | -                           | -                           | 871.6m                |
| 4                               | 3                   | 5M            | 99.1u              | 1.140m                      | 1.778m                      | 521.9m                |
| 5                               | 3                   | 5M            | 67.5u              | 1.487m                      | 1.636m                      | 314.7m                |
| 6                               | 2                   | 5M            | 60.2u              | 1.210m                      | -                           | 877.7m                |
| 7                               | 1                   | 5M            | 98.6u              | -                           | -                           | 340.6m                |
| 8                               | 3                   | 5M            | 90.3u              | 1.747m                      | 1.331m                      | 243.1m                |
| 9                               | 2                   | 5M            | 52.8u              | 1.060m                      | -                           | 767.7m                |
| 10                              | 2                   | 5M            | 76.4u              | 1.115m                      | -                           | 481.2m                |
| 11                              | 3                   | 5M            | 98.3u              | 1.759m                      | 1.414m                      | 449.9m                |
| 12                              | 1                   | 5M            | 66.6u              | -                           | -                           | 887.3m                |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_02  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5254MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 5M            | 53.6u              | -                           | -                           | 504.6m                |
| 2                               | 3                   | 5M            | 97.1u              | 1.798m                      | 1.565m                      | 441.5m                |
| 3                               | 3                   | 5M            | 53.5u              | 1.548m                      | 1.068m                      | 291.7m                |
| 4                               | 2                   | 5M            | 52.2u              | 1.395m                      | -                           | 212.8m                |
| 5                               | 2                   | 5M            | 95.3u              | 1.226m                      | -                           | 96.33m                |
| 6                               | 2                   | 5M            | 92.6u              | 1.470m                      | -                           | 303.7m                |
| 7                               | 1                   | 5M            | 82.6u              | -                           | -                           | 516.6m                |
| 8                               | 1                   | 5M            | 53.5u              | -                           | -                           | 141.6m                |
| 9                               | 2                   | 5M            | 57.4u              | 999.6u                      | -                           | 95.05m                |
| 10                              | 2                   | 5M            | 96.4u              | 1.888m                      | -                           | 567.5m                |
| 11                              | 2                   | 5M            | 66.0u              | 1.443m                      | -                           | 271.3m                |
| 12                              | 1                   | 5M            | 98.5u              | -                           | -                           | 442.6m                |
| 13                              | 2                   | 5M            | 68.3u              | 1.114m                      | -                           | 512.5m                |
| 14                              | 2                   | 5M            | 85.3u              | 1.613m                      | -                           | 105.4m                |
| 15                              | 3                   | 5M            | 99.4u              | 1.752m                      | 1.843m                      | 647.8m                |
| 16                              | 2                   | 5M            | 97.8u              | 1.644m                      | -                           | 259.0m                |
| 17                              | 1                   | 5M            | 77.1u              | -                           | -                           | 649.5m                |
| 18                              | 1                   | 5M            | 58.2u              | -                           | -                           | 539.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_03  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 14   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5254MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 7M            | 62.7u              | 1.678m                      | 1.717m                      | 280.1m                |
| 2                               | 2                   | 7M            | 77.5u              | 1.567m                      | -                           | 308.4m                |
| 3                               | 1                   | 7M            | 98.3u              | -                           | -                           | 380.5m                |
| 4                               | 2                   | 7M            | 85.2u              | 1.831m                      | -                           | 205.0m                |
| 5                               | 3                   | 7M            | 91.8u              | 1.520m                      | 947.2u                      | 688.8m                |
| 6                               | 1                   | 7M            | 91.4u              | -                           | -                           | 69.25m                |
| 7                               | 2                   | 7M            | 76.1u              | 1.384m                      | -                           | 699.5m                |
| 8                               | 2                   | 7M            | 68.2u              | 1.336m                      | -                           | 142.5m                |
| 9                               | 1                   | 7M            | 87.0u              | -                           | -                           | 439.3m                |
| 10                              | 2                   | 7M            | 85.3u              | 1.230m                      | -                           | 171.5m                |
| 11                              | 2                   | 7M            | 75.6u              | 1.213m                      | -                           | 309.9m                |
| 12                              | 3                   | 7M            | 82.8u              | 1.743m                      | 1.125m                      | 450.3m                |
| 13                              | 2                   | 7M            | 74.3u              | 1.667m                      | -                           | 190.8m                |
| 14                              | 1                   | 7M            | 77.4u              | -                           | -                           | 385.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_04  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5254MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 7M            | 88.9u              | -                           | -                           | 400.9m                |
| 2                               | 2                   | 7M            | 87.7u              | 1.749m                      | -                           | 609.2m                |
| 3                               | 2                   | 7M            | 50.6u              | 1.085m                      | -                           | 105.0m                |
| 4                               | 3                   | 7M            | 91.1u              | 1.614m                      | 1.318m                      | 577.2m                |
| 5                               | 2                   | 7M            | 74.9u              | 973.1u                      | -                           | 357.6m                |
| 6                               | 3                   | 7M            | 73.2u              | 1.725m                      | 1.906m                      | 367.0m                |
| 7                               | 3                   | 7M            | 80.3u              | 945.7u                      | 1.860m                      | 150.4m                |
| 8                               | 2                   | 7M            | 95.3u              | 1.286m                      | -                           | 625.2m                |
| 9                               | 2                   | 7M            | 84.7u              | 1.685m                      | -                           | 954.0u                |
| 10                              | 2                   | 7M            | 59.4u              | 1.472m                      | -                           | 547.2m                |
| 11                              | 2                   | 7M            | 86.9u              | 1.657m                      | -                           | 488.3m                |
| 12                              | 2                   | 7M            | 58.6u              | 1.575m                      | -                           | 148.0m                |
| 13                              | 1                   | 7M            | 97.1u              | -                           | -                           | 448.7m                |
| 14                              | 1                   | 7M            | 75.6u              | -                           | -                           | 601.2m                |
| 15                              | 3                   | 7M            | 66.8u              | 1.457m                      | 1.366m                      | 239.7m                |
| 16                              | 2                   | 7M            | 79.2u              | 1.394m                      | -                           | 127.7m                |
| 17                              | 2                   | 7M            | 50.1u              | 1.763m                      | -                           | 55.41m                |
| 18                              | 1                   | 7M            | 73.1u              | -                           | -                           | 132.9m                |
| 19                              | 1                   | 7M            | 51.8u              | -                           | -                           | 601.6m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_05  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5257MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 13M           | 98.5u              | 1.185m                      | -                           | 281.2m                |
| 2                               | 2                   | 13M           | 66.9u              | 1.351m                      | -                           | 601.3m                |
| 3                               | 3                   | 13M           | 55.6u              | 1.069m                      | 1.564m                      | 386.6m                |
| 4                               | 1                   | 13M           | 63.9u              | -                           | -                           | 70.85m                |
| 5                               | 2                   | 13M           | 88.1u              | 1.499m                      | -                           | 486.4m                |
| 6                               | 2                   | 13M           | 77.3u              | 1.188m                      | -                           | 445.4m                |
| 7                               | 2                   | 13M           | 51.2u              | 1.501m                      | -                           | 39.21m                |
| 8                               | 2                   | 13M           | 84.1u              | 1.309m                      | -                           | 348.6m                |
| 9                               | 3                   | 13M           | 62.5u              | 1.360m                      | 1.020m                      | 537.1m                |
| 10                              | 2                   | 13M           | 96.3u              | 1.862m                      | -                           | 172.3m                |
| 11                              | 1                   | 13M           | 51.7u              | -                           | -                           | 207.5m                |
| 12                              | 2                   | 13M           | 91.0u              | 1.645m                      | -                           | 337.1m                |
| 13                              | 2                   | 13M           | 56.6u              | 1.739m                      | -                           | 566.0m                |
| 14                              | 3                   | 13M           | 66.1u              | 1.150m                      | 1.775m                      | 563.4m                |
| 15                              | 2                   | 13M           | 84.0u              | 1.515m                      | -                           | 378.1m                |
| 16                              | 1                   | 13M           | 76.1u              | -                           | -                           | 565.0m                |
| 17                              | 2                   | 13M           | 79.4u              | 1.295m                      | -                           | 628.4m                |
| 18                              | 2                   | 13M           | 75.4u              | 1.198m                      | -                           | 128.5m                |
| 19                              | 2                   | 13M           | 61.5u              | 949.5u                      | -                           | 582.9m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_06  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5257MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 13M           | 98.7u              | -                           | -                           | 633.0m                |
| 2                               | 1                   | 13M           | 57.3u              | -                           | -                           | 438.3m                |
| 3                               | 3                   | 13M           | 68.6u              | 1.493m                      | 1.610m                      | 875.1m                |
| 4                               | 2                   | 13M           | 97.5u              | 1.612m                      | -                           | 685.6m                |
| 5                               | 1                   | 13M           | 55.5u              | -                           | -                           | 747.3m                |
| 6                               | 2                   | 13M           | 62.8u              | 967.2u                      | -                           | 788.4m                |
| 7                               | 2                   | 13M           | 80.7u              | 1.417m                      | -                           | 652.7m                |
| 8                               | 1                   | 13M           | 65.9u              | -                           | -                           | 782.6m                |
| 9                               | 3                   | 13M           | 79.9u              | 1.732m                      | 1.557m                      | 410.0m                |
| 10                              | 2                   | 13M           | 76.4u              | 1.761m                      | -                           | 78.51m                |
| 11                              | 1                   | 13M           | 58.1u              | -                           | -                           | 580.4m                |
| 12                              | 2                   | 13M           | 78.0u              | 961.0u                      | -                           | 162.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_07  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 11   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5258MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 16M           | 60.9u              | 1.685m                      | -                           | 1.030                 |
| 2                               | 2                   | 16M           | 86.8u              | 1.363m                      | -                           | 1.069                 |
| 3                               | 2                   | 16M           | 95.4u              | 1.521m                      | -                           | 296.1m                |
| 4                               | 3                   | 16M           | 73.5u              | 1.628m                      | 1.226m                      | 377.5m                |
| 5                               | 2                   | 16M           | 67.5u              | 1.036m                      | -                           | 644.9m                |
| 6                               | 3                   | 16M           | 65.5u              | 1.798m                      | 1.561m                      | 766.1m                |
| 7                               | 3                   | 16M           | 95.9u              | 1.094m                      | 1.242m                      | 537.2m                |
| 8                               | 2                   | 16M           | 96.2u              | 1.578m                      | -                           | 172.3m                |
| 9                               | 2                   | 16M           | 90.4u              | 1.274m                      | -                           | 256.1m                |
| 10                              | 2                   | 16M           | 90.1u              | 1.319m                      | -                           | 842.4m                |
| 11                              | 2                   | 16M           | 59.3u              | 1.600m                      | -                           | 728.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_08  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5258MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 16M           | 53.9u              | -                           | -                           | 653.0m                |
| 2                               | 3                   | 16M           | 87.4u              | 1.140m                      | 1.207m                      | 109.0m                |
| 3                               | 2                   | 16M           | 56.0u              | 1.104m                      | -                           | 462.3m                |
| 4                               | 2                   | 16M           | 62.5u              | 1.625m                      | -                           | 704.3m                |
| 5                               | 2                   | 16M           | 66.7u              | 1.202m                      | -                           | 296.4m                |
| 6                               | 2                   | 16M           | 65.6u              | 1.571m                      | -                           | 169.5m                |
| 7                               | 2                   | 16M           | 65.2u              | 1.889m                      | -                           | 703.7m                |
| 8                               | 1                   | 16M           | 67.4u              | -                           | -                           | 78.58m                |
| 9                               | 3                   | 16M           | 70.1u              | 1.820m                      | 1.460m                      | 419.9m                |
| 10                              | 2                   | 16M           | 62.3u              | 1.636m                      | -                           | 7.821m                |
| 11                              | 3                   | 16M           | 79.8u              | 1.442m                      | 1.551m                      | 384.2m                |
| 12                              | 1                   | 16M           | 81.4u              | -                           | -                           | 378.9m                |
| 13                              | 2                   | 16M           | 75.0u              | 1.336m                      | -                           | 742.0m                |
| 14                              | 2                   | 16M           | 74.3u              | 1.487m                      | -                           | 726.4m                |
| 15                              | 3                   | 16M           | 88.8u              | 1.772m                      | 1.153m                      | 168.4m                |
| 16                              | 3                   | 16M           | 67.7u              | 1.248m                      | 1.211m                      | 647.3m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_09  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5260MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 80.2u              | 1.739m                      | -                           | 720.6m                |
| 2                               | 3                   | 20M           | 50.1u              | 1.816m                      | 1.933m                      | 558.9m                |
| 3                               | 1                   | 20M           | 96.2u              | -                           | -                           | 211.8m                |
| 4                               | 3                   | 20M           | 72.6u              | 1.275m                      | 1.410m                      | 628.1m                |
| 5                               | 2                   | 20M           | 92.6u              | 1.262m                      | -                           | 295.1m                |
| 6                               | 2                   | 20M           | 70.1u              | 1.814m                      | -                           | 404.0m                |
| 7                               | 2                   | 20M           | 96.2u              | 1.463m                      | -                           | 89.45m                |
| 8                               | 2                   | 20M           | 78.6u              | 1.436m                      | -                           | 275.4m                |
| 9                               | 2                   | 20M           | 85.9u              | 1.077m                      | -                           | 726.5m                |
| 10                              | 3                   | 20M           | 86.3u              | 1.689m                      | 1.395m                      | 279.8m                |
| 11                              | 1                   | 20M           | 88.0u              | -                           | -                           | 142.6m                |
| 12                              | 3                   | 20M           | 58.3u              | 1.051m                      | 995.7u                      | 248.6m                |
| 13                              | 2                   | 20M           | 95.3u              | 1.642m                      | -                           | 392.4m                |
| 14                              | 3                   | 20M           | 93.1u              | 1.100m                      | 1.481m                      | 639.1m                |
| 15                              | 1                   | 20M           | 96.7u              | -                           | -                           | 614.9m                |
| 16                              | 2                   | 20M           | 67.1u              | 1.370m                      | -                           | 471.2m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_10  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5260MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 98.6u              | 1.198m                      | -                           | 344.9m                |
| 2                               | 2                   | 20M           | 57.6u              | 961.4u                      | -                           | 641.7m                |
| 3                               | 1                   | 20M           | 56.4u              | -                           | -                           | 308.8m                |
| 4                               | 1                   | 20M           | 81.4u              | -                           | -                           | 180.2m                |
| 5                               | 1                   | 20M           | 61.8u              | -                           | -                           | 297.7m                |
| 6                               | 2                   | 20M           | 90.4u              | 1.563m                      | -                           | 282.9m                |
| 7                               | 3                   | 20M           | 68.8u              | 1.515m                      | 1.370m                      | 37.46m                |
| 8                               | 1                   | 20M           | 73.9u              | -                           | -                           | 475.8m                |
| 9                               | 2                   | 20M           | 68.4u              | 1.684m                      | -                           | 117.5m                |
| 10                              | 3                   | 20M           | 95.4u              | 1.490m                      | 1.735m                      | 155.9m                |
| 11                              | 1                   | 20M           | 70.9u              | -                           | -                           | 253.8m                |
| 12                              | 1                   | 20M           | 94.7u              | -                           | -                           | 356.0m                |
| 13                              | 3                   | 20M           | 76.9u              | 1.750m                      | 1.203m                      | 56.37m                |
| 14                              | 3                   | 20M           | 80.6u              | 1.024m                      | 1.881m                      | 588.3m                |
| 15                              | 2                   | 20M           | 87.2u              | 1.015m                      | -                           | 223.6m                |
| 16                              | 2                   | 20M           | 85.9u              | 1.898m                      | -                           | 380.5m                |
| 17                              | 1                   | 20M           | 62.9u              | -                           | -                           | 127.1m                |
| 18                              | 2                   | 20M           | 96.3u              | 1.532m                      | -                           | 541.3m                |



| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_11  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 13   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5290MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 2                | 5M         | 64.2u           | 1.510m                   | -                        | 171.7m             |
| 2                               | 2                | 5M         | 85.7u           | 1.457m                   | -                        | 23.95m             |
| 3                               | 3                | 5M         | 93.8u           | 1.348m                   | 1.769m                   | 685.0m             |
| 4                               | 3                | 5M         | 85.1u           | 1.065m                   | 1.624m                   | 112.8m             |
| 5                               | 1                | 5M         | 84.7u           | -                        | -                        | 797.2m             |
| 6                               | 2                | 5M         | 80.4u           | 1.702m                   | -                        | 14.43m             |
| 7                               | 1                | 5M         | 98.4u           | -                        | -                        | 314.4m             |
| 8                               | 2                | 5M         | 71.1u           | 1.369m                   | -                        | 529.1m             |
| 9                               | 1                | 5M         | 98.6u           | -                        | -                        | 667.9m             |
| 10                              | 2                | 5M         | 91.7u           | 1.176m                   | -                        | 571.6m             |
| 11                              | 2                | 5M         | 69.1u           | 1.770m                   | -                        | 615.7m             |
| 12                              | 2                | 5M         | 90.9u           | 1.511m                   | -                        | 676.8m             |
| 13                              | 2                | 5M         | 89.6u           | 1.199m                   | -                        | 683.8m             |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_12  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 12   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5290MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 1                | 5M         | 96.5u           | -                        | -                        | 857.4m             |
| 2                               | 2                | 5M         | 53.0u           | 1.173m                   | -                        | 643.5m             |
| 3                               | 1                | 5M         | 84.3u           | -                        | -                        | 871.6m             |
| 4                               | 3                | 5M         | 99.1u           | 1.140m                   | 1.778m                   | 521.9m             |
| 5                               | 3                | 5M         | 67.5u           | 1.487m                   | 1.636m                   | 314.7m             |
| 6                               | 2                | 5M         | 60.2u           | 1.210m                   | -                        | 877.7m             |
| 7                               | 1                | 5M         | 98.6u           | -                        | -                        | 340.6m             |
| 8                               | 3                | 5M         | 90.3u           | 1.747m                   | 1.331m                   | 243.1m             |
| 9                               | 2                | 5M         | 52.8u           | 1.060m                   | -                        | 767.7m             |
| 10                              | 2                | 5M         | 76.4u           | 1.115m                   | -                        | 481.2m             |
| 11                              | 3                | 5M         | 98.3u           | 1.759m                   | 1.414m                   | 449.9m             |
| 12                              | 1                | 5M         | 66.6u           | -                        | -                        | 887.3m             |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_13

Number of Bursts in Trial: 12

Chrip Center Frequency: 5290MHz

| Burst | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
|-------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| 1     | 2                   | 9M            | 83.6u              | 1.774m                      | -                           | 467.4m                |
| 2     | 2                   | 9M            | 97.1u              | 1.796m                      | -                           | 328.2m                |
| 3     | 1                   | 9M            | 84.9u              | -                           | -                           | 712.5m                |
| 4     | 1                   | 9M            | 85.6u              | -                           | -                           | 456.6m                |
| 5     | 2                   | 9M            | 97.8u              | 917.2u                      | -                           | 642.0m                |
| 6     | 2                   | 9M            | 95.4u              | 1.079m                      | -                           | 800.8m                |
| 7     | 1                   | 9M            | 71.2u              | -                           | -                           | 898.6m                |
| 8     | 3                   | 9M            | 82.0u              | 1.666m                      | 1.468m                      | 784.5m                |
| 9     | 3                   | 9M            | 86.6u              | 1.322m                      | 1.519m                      | 535.5m                |
| 10    | 1                   | 9M            | 71.4u              | -                           | -                           | 43.23m                |
| 11    | 2                   | 9M            | 62.2u              | 1.268m                      | -                           | 268.5m                |
| 12    | 2                   | 9M            | 96.1u              | 1.888m                      | -                           | 253.4m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_14  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5290MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 9M            | 92.6u              | -                           | -                           | 574.7m                |
| 2                               | 3                   | 9M            | 67.9u              | 1.272m                      | 1.316m                      | 302.6m                |
| 3                               | 1                   | 9M            | 85.3u              | -                           | -                           | 195.7m                |
| 4                               | 2                   | 9M            | 87.8u              | 1.863m                      | -                           | 517.8m                |
| 5                               | 2                   | 9M            | 73.7u              | 1.364m                      | -                           | 350.7m                |
| 6                               | 1                   | 9M            | 55.8u              | -                           | -                           | 569.5m                |
| 7                               | 3                   | 9M            | 99.1u              | 936.9u                      | 1.756m                      | 652.9m                |
| 8                               | 2                   | 9M            | 94.5u              | 1.889m                      | -                           | 175.3m                |
| 9                               | 2                   | 9M            | 69.1u              | 1.741m                      | -                           | 186.8m                |
| 10                              | 2                   | 9M            | 60.2u              | 1.826m                      | -                           | 144.5m                |
| 11                              | 2                   | 9M            | 90.0u              | 1.419m                      | -                           | 500.0m                |
| 12                              | 2                   | 9M            | 98.3u              | 1.336m                      | -                           | 157.3m                |
| 13                              | 2                   | 9M            | 94.4u              | 1.660m                      | -                           | 479.9m                |
| 14                              | 3                   | 9M            | 91.0u              | 1.788m                      | 1.474m                      | 137.2m                |
| 15                              | 1                   | 9M            | 74.3u              | -                           | -                           | 351.9m                |
| 16                              | 2                   | 9M            | 55.0u              | 1.665m                      | -                           | 89.03m                |
| 17                              | 3                   | 9M            | 85.5u              | 981.5u                      | 1.182m                      | 444.9m                |
| 18                              | 2                   | 9M            | 86.1u              | 1.623m                      | -                           | 259.0m                |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_15  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 8    |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5290MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 2                | 14M        | 100.0u          | 1.316m                   | -                        | 574.2m             |
| 2                               | 2                | 14M        | 67.5u           | 1.529m                   | -                        | 280.0m             |
| 3                               | 3                | 14M        | 52.4u           | 1.833m                   | 955.6u                   | 312.3m             |
| 4                               | 3                | 14M        | 74.3u           | 1.451m                   | 1.391m                   | 1.205              |
| 5                               | 2                | 14M        | 82.0u           | 1.489m                   | -                        | 1.470              |
| 6                               | 2                | 14M        | 65.4u           | 1.871m                   | -                        | 1.159              |
| 7                               | 2                | 14M        | 56.9u           | 1.758m                   | -                        | 300.0m             |
| 8                               | 1                | 14M        | 67.1u           | -                        | -                        | 431.5m             |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_16  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 9    |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5290MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 2                | 14M        | 89.0u           | 1.663m                   | -                        | 435.6m             |
| 2                               | 1                | 14M        | 50.5u           | -                        | -                        | 582.4m             |
| 3                               | 2                | 14M        | 58.5u           | 1.078m                   | -                        | 681.0m             |
| 4                               | 3                | 14M        | 59.6u           | 1.582m                   | 1.397m                   | 730.4m             |
| 5                               | 2                | 14M        | 92.9u           | 1.695m                   | -                        | 227.2m             |
| 6                               | 2                | 14M        | 69.6u           | 1.367m                   | -                        | 963.5m             |
| 7                               | 2                | 14M        | 65.4u           | 1.684m                   | -                        | 1.200              |
| 8                               | 2                | 14M        | 95.7u           | 1.419m                   | -                        | 601.2m             |
| 9                               | 2                | 14M        | 88.7u           | 1.095m                   | -                        | 712.2m             |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_17  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5290MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 16M           | 95.3u              | -                           | -                           | 108.6m                |
| 2                               | 2                   | 16M           | 53.1u              | 1.606m                      | -                           | 65.83m                |
| 3                               | 3                   | 16M           | 96.8u              | 1.488m                      | 1.352m                      | 2.636m                |
| 4                               | 2                   | 16M           | 67.5u              | 1.301m                      | -                           | 327.5m                |
| 5                               | 3                   | 16M           | 55.6u              | 1.122m                      | 1.431m                      | 138.8m                |
| 6                               | 1                   | 16M           | 50.8u              | -                           | -                           | 12.03m                |
| 7                               | 2                   | 16M           | 53.4u              | 1.503m                      | -                           | 456.4m                |
| 8                               | 3                   | 16M           | 54.8u              | 1.412m                      | 1.710m                      | 520.5m                |
| 9                               | 3                   | 16M           | 53.7u              | 1.685m                      | 1.762m                      | 465.8m                |
| 10                              | 2                   | 16M           | 60.3u              | 1.837m                      | -                           | 679.9m                |
| 11                              | 2                   | 16M           | 91.2u              | 1.027m                      | -                           | 500.3m                |
| 12                              | 2                   | 16M           | 95.7u              | 1.804m                      | -                           | 154.5m                |
| 13                              | 2                   | 16M           | 70.0u              | 1.808m                      | -                           | 89.20m                |
| 14                              | 2                   | 16M           | 72.9u              | 1.045m                      | -                           | 617.0m                |
| 15                              | 2                   | 16M           | 94.5u              | 1.540m                      | -                           | 399.1m                |
| 16                              | 3                   | 16M           | 67.8u              | 1.932m                      | 1.398m                      | 689.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_18  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5290MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 16M           | 81.9u              | 1.713m                      | 1.130m                      | 406.8m                |
| 2                               | 3                   | 16M           | 94.1u              | 1.182m                      | 1.311m                      | 673.2m                |
| 3                               | 3                   | 16M           | 88.8u              | 1.272m                      | 1.897m                      | 962.9m                |
| 4                               | 2                   | 16M           | 85.5u              | 1.256m                      | -                           | 689.2m                |
| 5                               | 3                   | 16M           | 91.6u              | 1.325m                      | 1.053m                      | 396.5m                |
| 6                               | 3                   | 16M           | 58.7u              | 1.613m                      | 1.768m                      | 692.7m                |
| 7                               | 2                   | 16M           | 89.9u              | 1.182m                      | -                           | 988.1m                |
| 8                               | 3                   | 16M           | 74.7u              | 1.139m                      | 1.384m                      | 783.9m                |
| 9                               | 2                   | 16M           | 74.8u              | 1.849m                      | -                           | 722.0m                |
| 10                              | 2                   | 16M           | 55.6u              | 967.4u                      | -                           | 325.4m                |
| 11                              | 2                   | 16M           | 74.6u              | 1.876m                      | -                           | 549.7m                |
| 12                              | 3                   | 16M           | 97.6u              | 1.660m                      | 1.245m                      | 109.6m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_19  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5290MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 78.6u              | 1.551m                      | -                           | 833.2m                |
| 2                               | 2                   | 20M           | 51.6u              | 990.4u                      | -                           | 825.2m                |
| 3                               | 2                   | 20M           | 86.8u              | 1.097m                      | -                           | 809.6m                |
| 4                               | 1                   | 20M           | 60.5u              | -                           | -                           | 792.9m                |
| 5                               | 2                   | 20M           | 54.9u              | 1.783m                      | -                           | 491.4m                |
| 6                               | 2                   | 20M           | 75.7u              | 1.245m                      | -                           | 717.7m                |
| 7                               | 2                   | 20M           | 55.0u              | 1.513m                      | -                           | 1.155                 |
| 8                               | 2                   | 20M           | 79.2u              | 955.8u                      | -                           | 118.6m                |
| 9                               | 1                   | 20M           | 56.4u              | -                           | -                           | 881.1m                |
| 10                              | 1                   | 20M           | 97.7u              | -                           | -                           | 978.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_20  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5290MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 98.1u              | 1.220m                      | -                           | 507.2m                |
| 2                               | 2                   | 20M           | 73.5u              | 1.910m                      | -                           | 227.2m                |
| 3                               | 2                   | 20M           | 98.2u              | 1.506m                      | -                           | 631.2m                |
| 4                               | 3                   | 20M           | 97.9u              | 1.595m                      | 1.851m                      | 164.0m                |
| 5                               | 1                   | 20M           | 92.9u              | -                           | -                           | 45.06m                |
| 6                               | 2                   | 20M           | 76.6u              | 1.260m                      | -                           | 601.8m                |
| 7                               | 2                   | 20M           | 68.1u              | 1.217m                      | -                           | 342.9m                |
| 8                               | 1                   | 20M           | 53.3u              | -                           | -                           | 86.38m                |
| 9                               | 2                   | 20M           | 58.0u              | 978.0u                      | -                           | 75.50m                |
| 10                              | 1                   | 20M           | 66.6u              | -                           | -                           | 328.5m                |
| 11                              | 3                   | 20M           | 69.0u              | 1.388m                      | 1.330m                      | 707.6m                |
| 12                              | 2                   | 20M           | 68.3u              | 1.450m                      | -                           | 328.0m                |
| 13                              | 3                   | 20M           | 99.1u              | 1.752m                      | 1.303m                      | 426.0m                |
| 14                              | 1                   | 20M           | 94.8u              | -                           | -                           | 632.9m                |
| 15                              | 1                   | 20M           | 99.7u              | -                           | -                           | 169.8m                |
| 16                              | 1                   | 20M           | 51.5u              | -                           | -                           | 455.1m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_21  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 13   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5326MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 5M            | 64.2u              | 1.510m                      | -                           | 171.7m                |
| 2                               | 2                   | 5M            | 85.7u              | 1.457m                      | -                           | 23.95m                |
| 3                               | 3                   | 5M            | 93.8u              | 1.348m                      | 1.769m                      | 685.0m                |
| 4                               | 3                   | 5M            | 85.1u              | 1.065m                      | 1.624m                      | 112.8m                |
| 5                               | 1                   | 5M            | 84.7u              | -                           | -                           | 797.2m                |
| 6                               | 2                   | 5M            | 80.4u              | 1.702m                      | -                           | 14.43m                |
| 7                               | 1                   | 5M            | 98.4u              | -                           | -                           | 314.4m                |
| 8                               | 2                   | 5M            | 71.1u              | 1.369m                      | -                           | 529.1m                |
| 9                               | 1                   | 5M            | 98.6u              | -                           | -                           | 667.9m                |
| 10                              | 2                   | 5M            | 91.7u              | 1.176m                      | -                           | 571.6m                |
| 11                              | 2                   | 5M            | 69.1u              | 1.770m                      | -                           | 615.7m                |
| 12                              | 2                   | 5M            | 90.9u              | 1.511m                      | -                           | 676.8m                |
| 13                              | 2                   | 5M            | 89.6u              | 1.199m                      | -                           | 683.8m                |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_22  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5326MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 5M            | 59.2u              | -                           | -                           | 243.0m                |
| 2                               | 2                   | 5M            | 94.5u              | 1.834m                      | -                           | 299.3m                |
| 3                               | 2                   | 5M            | 95.4u              | 1.641m                      | -                           | 566.0m                |
| 4                               | 3                   | 5M            | 59.5u              | 1.313m                      | 1.332m                      | 354.8m                |
| 5                               | 2                   | 5M            | 62.1u              | 1.158m                      | -                           | 618.4m                |
| 6                               | 3                   | 5M            | 73.9u              | 1.671m                      | 1.534m                      | 629.7m                |
| 7                               | 2                   | 5M            | 50.4u              | 1.155m                      | -                           | 384.7m                |
| 8                               | 3                   | 5M            | 62.7u              | 1.675m                      | 1.571m                      | 94.54m                |
| 9                               | 1                   | 5M            | 52.4u              | -                           | -                           | 45.93m                |
| 10                              | 3                   | 5M            | 55.9u              | 1.743m                      | 1.537m                      | 37.45m                |
| 11                              | 2                   | 5M            | 62.1u              | 1.725m                      | -                           | 173.9m                |
| 12                              | 3                   | 5M            | 65.1u              | 1.567m                      | 1.369m                      | 549.6m                |
| 13                              | 3                   | 5M            | 80.3u              | 1.548m                      | 1.117m                      | 530.8m                |
| 14                              | 2                   | 5M            | 85.5u              | 1.063m                      | -                           | 265.8m                |
| 15                              | 3                   | 5M            | 54.7u              | 1.134m                      | 1.657m                      | 49.43m                |
| 16                              | 2                   | 5M            | 85.8u              | 1.450m                      | -                           | 382.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_23  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5324MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 10M           | 95.2u              | 1.690m                      | -                           | 993.9m                |
| 2                               | 2                   | 10M           | 82.3u              | 1.520m                      | -                           | 555.8m                |
| 3                               | 3                   | 10M           | 95.0u              | 1.392m                      | 1.015m                      | 566.4m                |
| 4                               | 1                   | 10M           | 52.8u              | -                           | -                           | 362.2m                |
| 5                               | 1                   | 10M           | 53.1u              | -                           | -                           | 102.8m                |
| 6                               | 2                   | 10M           | 96.4u              | 1.454m                      | -                           | 714.3m                |
| 7                               | 2                   | 10M           | 56.0u              | 1.235m                      | -                           | 252.4m                |
| 8                               | 2                   | 10M           | 64.8u              | 1.410m                      | -                           | 466.8m                |
| 9                               | 2                   | 10M           | 51.9u              | 1.473m                      | -                           | 878.3m                |
| 10                              | 1                   | 10M           | 81.5u              | -                           | -                           | 856.4m                |
| 11                              | 2                   | 10M           | 97.8u              | 1.480m                      | -                           | 699.6m                |
| 12                              | 3                   | 10M           | 61.7u              | 1.069m                      | 1.910m                      | 663.4m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_24  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 9    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5324MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 10M           | 80.2u              | 1.716m                      | 1.208m                      | 458.3m                |
| 2                               | 2                   | 10M           | 99.0u              | 1.877m                      | -                           | 80.24m                |
| 3                               | 1                   | 10M           | 70.5u              | -                           | -                           | 705.0m                |
| 4                               | 1                   | 10M           | 88.3u              | -                           | -                           | 69.65m                |
| 5                               | 2                   | 10M           | 56.4u              | 1.516m                      | -                           | 922.0m                |
| 6                               | 1                   | 10M           | 100.0u             | -                           | -                           | 179.3m                |
| 7                               | 2                   | 10M           | 58.2u              | 994.8u                      | -                           | 1.187                 |
| 8                               | 1                   | 10M           | 98.0u              | -                           | -                           | 223.9m                |
| 9                               | 1                   | 10M           | 92.7u              | -                           | -                           | 927.1m                |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_25  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 9    |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5323MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 2                | 13M        | 81.8u           | 959.2u                   | -                        | 874.4m             |
| 2                               | 1                | 13M        | 80.9u           | -                        | -                        | 1.030              |
| 3                               | 3                | 13M        | 56.3u           | 999.7u                   | 1.916m                   | 930.7m             |
| 4                               | 2                | 13M        | 63.6u           | 1.070m                   | -                        | 903.9m             |
| 5                               | 2                | 13M        | 65.0u           | 1.382m                   | -                        | 89.36m             |
| 6                               | 3                | 13M        | 83.5u           | 1.311m                   | 979.5u                   | 725.0m             |
| 7                               | 3                | 13M        | 83.8u           | 918.2u                   | 1.113m                   | 1.114              |
| 8                               | 2                | 13M        | 51.9u           | 1.314m                   | -                        | 1.096              |
| 9                               | 2                | 13M        | 72.3u           | 1.174m                   | -                        | 658.1m             |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_26  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 12   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5323MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 1                | 13M        | 98.7u           | -                        | -                        | 633.0m             |
| 2                               | 1                | 13M        | 57.3u           | -                        | -                        | 438.3m             |
| 3                               | 3                | 13M        | 68.6u           | 1.493m                   | 1.610m                   | 875.1m             |
| 4                               | 2                | 13M        | 97.5u           | 1.612m                   | -                        | 685.6m             |
| 5                               | 1                | 13M        | 55.5u           | -                        | -                        | 747.3m             |
| 6                               | 2                | 13M        | 62.8u           | 967.2u                   | -                        | 788.4m             |
| 7                               | 2                | 13M        | 80.7u           | 1.417m                   | -                        | 652.7m             |
| 8                               | 1                | 13M        | 65.9u           | -                        | -                        | 782.6m             |
| 9                               | 3                | 13M        | 79.9u           | 1.732m                   | 1.557m                   | 410.0m             |
| 10                              | 2                | 13M        | 76.4u           | 1.761m                   | -                        | 78.51m             |
| 11                              | 1                | 13M        | 58.1u           | -                        | -                        | 580.4m             |
| 12                              | 2                | 13M        | 78.0u           | 961.0u                   | -                        | 162.0m             |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_27  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5322MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 16M           | 57.4u              | 1.310m                      | 1.063m                      | 263.4m                |
| 2                               | 3                   | 16M           | 53.6u              | 1.063m                      | 1.123m                      | 239.3m                |
| 3                               | 3                   | 16M           | 82.4u              | 1.425m                      | 1.371m                      | 434.0m                |
| 4                               | 2                   | 16M           | 83.1u              | 1.514m                      | -                           | 308.5m                |
| 5                               | 3                   | 16M           | 89.8u              | 1.210m                      | 1.455m                      | 259.5m                |
| 6                               | 2                   | 16M           | 95.6u              | 1.397m                      | -                           | 66.09m                |
| 7                               | 2                   | 16M           | 70.5u              | 1.045m                      | -                           | 558.6m                |
| 8                               | 2                   | 16M           | 89.0u              | 1.309m                      | -                           | 92.83m                |
| 9                               | 1                   | 16M           | 83.7u              | -                           | -                           | 524.2m                |
| 10                              | 3                   | 16M           | 93.5u              | 1.004m                      | 1.611m                      | 438.4m                |
| 11                              | 2                   | 16M           | 54.3u              | 1.632m                      | -                           | 338.8m                |
| 12                              | 1                   | 16M           | 72.4u              | -                           | -                           | 84.23m                |
| 13                              | 3                   | 16M           | 72.1u              | 1.064m                      | 1.337m                      | 270.5m                |
| 14                              | 2                   | 16M           | 77.9u              | 1.844m                      | -                           | 230.5m                |
| 15                              | 2                   | 16M           | 89.1u              | 1.282m                      | -                           | 173.5m                |
| 16                              | 2                   | 16M           | 70.0u              | 1.089m                      | -                           | 189.6m                |
| 17                              | 3                   | 16M           | 87.1u              | 1.138m                      | 1.322m                      | 348.7m                |
| 18                              | 1                   | 16M           | 56.9u              | -                           | -                           | 486.2m                |
| 19                              | 3                   | 16M           | 79.4u              | 1.267m                      | 1.580m                      | 285.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_28  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5322MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 16M           | 81.9u              | 1.713m                      | 1.130m                      | 406.8m                |
| 2                               | 3                   | 16M           | 94.1u              | 1.182m                      | 1.311m                      | 673.2m                |
| 3                               | 3                   | 16M           | 88.8u              | 1.272m                      | 1.897m                      | 962.9m                |
| 4                               | 2                   | 16M           | 85.5u              | 1.256m                      | -                           | 689.2m                |
| 5                               | 3                   | 16M           | 91.6u              | 1.325m                      | 1.053m                      | 396.5m                |
| 6                               | 3                   | 16M           | 58.7u              | 1.613m                      | 1.768m                      | 692.7m                |
| 7                               | 2                   | 16M           | 89.9u              | 1.182m                      | -                           | 988.1m                |
| 8                               | 3                   | 16M           | 74.7u              | 1.139m                      | 1.384m                      | 783.9m                |
| 9                               | 2                   | 16M           | 74.8u              | 1.849m                      | -                           | 722.0m                |
| 10                              | 2                   | 16M           | 55.6u              | 967.4u                      | -                           | 325.4m                |
| 11                              | 2                   | 16M           | 74.6u              | 1.876m                      | -                           | 549.7m                |
| 12                              | 3                   | 16M           | 97.6u              | 1.660m                      | 1.245m                      | 109.6m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_29  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5320MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 78.6u              | 1.551m                      | -                           | 833.2m                |
| 2                               | 2                   | 20M           | 51.6u              | 990.4u                      | -                           | 825.2m                |
| 3                               | 2                   | 20M           | 86.8u              | 1.097m                      | -                           | 809.6m                |
| 4                               | 1                   | 20M           | 60.5u              | -                           | -                           | 792.9m                |
| 5                               | 2                   | 20M           | 54.9u              | 1.783m                      | -                           | 491.4m                |
| 6                               | 2                   | 20M           | 75.7u              | 1.245m                      | -                           | 717.7m                |
| 7                               | 2                   | 20M           | 55.0u              | 1.513m                      | -                           | 1.155                 |
| 8                               | 2                   | 20M           | 79.2u              | 955.8u                      | -                           | 118.6m                |
| 9                               | 1                   | 20M           | 56.4u              | -                           | -                           | 881.1m                |
| 10                              | 1                   | 20M           | 97.7u              | -                           | -                           | 978.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_30  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5320MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 98.1u              | 1.220m                      | -                           | 507.2m                |
| 2                               | 2                   | 20M           | 73.5u              | 1.910m                      | -                           | 227.2m                |
| 3                               | 2                   | 20M           | 98.2u              | 1.506m                      | -                           | 631.2m                |
| 4                               | 3                   | 20M           | 97.9u              | 1.595m                      | 1.851m                      | 164.0m                |
| 5                               | 1                   | 20M           | 92.9u              | -                           | -                           | 45.06m                |
| 6                               | 2                   | 20M           | 76.6u              | 1.260m                      | -                           | 601.8m                |
| 7                               | 2                   | 20M           | 68.1u              | 1.217m                      | -                           | 342.9m                |
| 8                               | 1                   | 20M           | 53.3u              | -                           | -                           | 86.38m                |
| 9                               | 2                   | 20M           | 58.0u              | 978.0u                      | -                           | 75.50m                |
| 10                              | 1                   | 20M           | 66.6u              | -                           | -                           | 328.5m                |
| 11                              | 3                   | 20M           | 69.0u              | 1.388m                      | 1.330m                      | 707.6m                |
| 12                              | 2                   | 20M           | 68.3u              | 1.450m                      | -                           | 328.0m                |
| 13                              | 3                   | 20M           | 99.1u              | 1.752m                      | 1.303m                      | 426.0m                |
| 14                              | 1                   | 20M           | 94.8u              | -                           | -                           | 632.9m                |
| 15                              | 1                   | 20M           | 99.7u              | -                           | -                           | 169.8m                |
| 16                              | 1                   | 20M           | 51.5u              | -                           | -                           | 455.1m                |

| Type 6 Radar Statistical Performances |                  |                 |         |                         |
|---------------------------------------|------------------|-----------------|---------|-------------------------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Detection               |
| 1                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 2                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 3                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 4                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 5                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 6                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 7                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 8                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 9                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 10                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 11                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 12                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 13                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 14                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 15                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 16                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 17                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 18                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 19                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 20                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 21                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 22                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 23                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 24                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 25                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 26                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 27                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 28                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 29                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 30                                    | 9                | 1.0u            | 333.0u  | Yes                     |
|                                       |                  |                 |         | Detection Rate: 100.0 % |

| Type 6 Radar Statistical Performances |                                 |                         |
|---------------------------------------|---------------------------------|-------------------------|
| Trial #                               | Hopping Frequency Sequence Name | Detection               |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes                     |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes                     |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes                     |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes                     |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes                     |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes                     |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes                     |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes                     |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes                     |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes                     |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes                     |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes                     |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes                     |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes                     |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes                     |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes                     |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes                     |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes                     |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes                     |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes                     |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes                     |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes                     |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes                     |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes                     |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes                     |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes                     |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes                     |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes                     |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes                     |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes                     |
|                                       |                                 | Detection Rate: 100.0 % |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.540G            | 2    | 5.513G            | 3    | 5.526G            | 4    | 5.574G            |
| 5                                                | 5.501G            | 6    | 5.717G            | 7    | 5.590G            | 8    | 5.373G            |
| 9                                                | 5.338G            | 10   | 5.534G            | 11   | 5.388G            | 12   | 5.493G            |
| 13                                               | 5.447G            | 14   | 5.554G            | 15   | 5.593G            | 16   | 5.566G            |
| 17                                               | 5.688G            | 18   | 5.715G            | 19   | 5.350G            | 20   | 5.713G            |
| 21                                               | 5.404G            | 22   | 5.374G            | 23   | 5.571G            | 24   | 5.420G            |
| 25                                               | 5.588G            | 26   | 5.277G            | 27   | 5.407G            | 28   | 5.610G            |
| 29                                               | 5.278G            | 30   | 5.710G            | 31   | 5.366G            | 32   | 5.301G            |
| 33                                               | 5.666G            | 34   | 5.551G            | 35   | 5.531G            | 36   | 5.339G            |
| 37                                               | 5.410G            | 38   | 5.303G            | 39   | 5.267G            | 40   | 5.538G            |
| 41                                               | 5.327G            | 42   | 5.701G            | 43   | 5.358G            | 44   | 5.581G            |
| 45                                               | 5.408G            | 46   | 5.584G            | 47   | 5.477G            | 48   | 5.357G            |
| 49                                               | 5.703G            | 50   | 5.376G            | 51   | 5.683G            | 52   | 5.413G            |
| 53                                               | 5.662G            | 54   | 5.423G            | 55   | 5.632G            | 56   | 5.668G            |
| 57                                               | 5.619G            | 58   | 5.281G            | 59   | 5.429G            | 60   | 5.289G            |
| 61                                               | 5.306G            | 62   | 5.337G            | 63   | 5.596G            | 64   | 5.286G            |
| 65                                               | 5.592G            | 66   | 5.379G            | 67   | 5.362G            | 68   | 5.351G            |
| 69                                               | 5.433G            | 70   | 5.271G            | 71   | 5.384G            | 72   | 5.614G            |
| 73                                               | 5.504G            | 74   | 5.296G            | 75   | 5.712G            | 76   | 5.452G            |
| 77                                               | 5.687G            | 78   | 5.533G            | 79   | 5.599G            | 80   | 5.561G            |
| 81                                               | 5.293G            | 82   | 5.300G            | 83   | 5.302G            | 84   | 5.718G            |
| 85                                               | 5.291G            | 86   | 5.456G            | 87   | 5.505G            | 88   | 5.636G            |
| 89                                               | 5.367G            | 90   | 5.348G            | 91   | 5.527G            | 92   | 5.558G            |
| 93                                               | 5.640G            | 94   | 5.559G            | 95   | 5.436G            | 96   | 5.613G            |
| 97                                               | 5.472G            | 98   | 5.707G            | 99   | 5.607G            | 100  | 5.680G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.641G            | 2    | 5.581G            | 3    | 5.679G            | 4    | 5.580G            |
| 5                                                | 5.429G            | 6    | 5.315G            | 7    | 5.582G            | 8    | 5.604G            |
| 9                                                | 5.353G            | 10   | 5.255G            | 11   | 5.260G            | 12   | 5.425G            |
| 13                                               | 5.366G            | 14   | 5.343G            | 15   | 5.478G            | 16   | 5.310G            |
| 17                                               | 5.367G            | 18   | 5.288G            | 19   | 5.595G            | 20   | 5.719G            |
| 21                                               | 5.514G            | 22   | 5.630G            | 23   | 5.327G            | 24   | 5.606G            |
| 25                                               | 5.424G            | 26   | 5.662G            | 27   | 5.482G            | 28   | 5.683G            |
| 29                                               | 5.528G            | 30   | 5.289G            | 31   | 5.700G            | 32   | 5.541G            |
| 33                                               | 5.356G            | 34   | 5.585G            | 35   | 5.506G            | 36   | 5.297G            |
| 37                                               | 5.391G            | 38   | 5.505G            | 39   | 5.511G            | 40   | 5.333G            |
| 41                                               | 5.292G            | 42   | 5.572G            | 43   | 5.329G            | 44   | 5.553G            |
| 45                                               | 5.408G            | 46   | 5.612G            | 47   | 5.532G            | 48   | 5.423G            |
| 49                                               | 5.594G            | 50   | 5.495G            | 51   | 5.499G            | 52   | 5.607G            |
| 53                                               | 5.706G            | 54   | 5.525G            | 55   | 5.692G            | 56   | 5.390G            |
| 57                                               | 5.576G            | 58   | 5.270G            | 59   | 5.549G            | 60   | 5.468G            |
| 61                                               | 5.407G            | 62   | 5.455G            | 63   | 5.448G            | 64   | 5.565G            |
| 65                                               | 5.687G            | 66   | 5.656G            | 67   | 5.335G            | 68   | 5.649G            |
| 69                                               | 5.360G            | 70   | 5.349G            | 71   | 5.504G            | 72   | 5.661G            |
| 73                                               | 5.422G            | 74   | 5.328G            | 75   | 5.311G            | 76   | 5.307G            |
| 77                                               | 5.669G            | 78   | 5.561G            | 79   | 5.521G            | 80   | 5.342G            |
| 81                                               | 5.337G            | 82   | 5.518G            | 83   | 5.441G            | 84   | 5.436G            |
| 85                                               | 5.682G            | 86   | 5.562G            | 87   | 5.466G            | 88   | 5.539G            |
| 89                                               | 5.372G            | 90   | 5.534G            | 91   | 5.284G            | 92   | 5.537G            |
| 93                                               | 5.701G            | 94   | 5.384G            | 95   | 5.251G            | 96   | 5.445G            |
| 97                                               | 5.473G            | 98   | 5.388G            | 99   | 5.280G            | 100  | 5.285G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.284G            | 2    | 5.304G            | 3    | 5.456G            | 4    | 5.489G            |
| 5                                                | 5.670G            | 6    | 5.409G            | 7    | 5.574G            | 8    | 5.448G            |
| 9                                                | 5.581G            | 10   | 5.467G            | 11   | 5.637G            | 12   | 5.651G            |
| 13                                               | 5.641G            | 14   | 5.407G            | 15   | 5.281G            | 16   | 5.321G            |
| 17                                               | 5.428G            | 18   | 5.355G            | 19   | 5.260G            | 20   | 5.276G            |
| 21                                               | 5.435G            | 22   | 5.640G            | 23   | 5.683G            | 24   | 5.333G            |
| 25                                               | 5.382G            | 26   | 5.712G            | 27   | 5.391G            | 28   | 5.401G            |
| 29                                               | 5.554G            | 30   | 5.383G            | 31   | 5.261G            | 32   | 5.315G            |
| 33                                               | 5.563G            | 34   | 5.326G            | 35   | 5.652G            | 36   | 5.393G            |
| 37                                               | 5.280G            | 38   | 5.352G            | 39   | 5.588G            | 40   | 5.595G            |
| 41                                               | 5.498G            | 42   | 5.618G            | 43   | 5.596G            | 44   | 5.307G            |
| 45                                               | 5.720G            | 46   | 5.495G            | 47   | 5.542G            | 48   | 5.469G            |
| 49                                               | 5.617G            | 50   | 5.623G            | 51   | 5.723G            | 52   | 5.440G            |
| 53                                               | 5.350G            | 54   | 5.338G            | 55   | 5.332G            | 56   | 5.602G            |
| 57                                               | 5.277G            | 58   | 5.367G            | 59   | 5.572G            | 60   | 5.611G            |
| 61                                               | 5.294G            | 62   | 5.584G            | 63   | 5.529G            | 64   | 5.678G            |
| 65                                               | 5.501G            | 66   | 5.267G            | 67   | 5.536G            | 68   | 5.301G            |
| 69                                               | 5.516G            | 70   | 5.650G            | 71   | 5.664G            | 72   | 5.662G            |
| 73                                               | 5.263G            | 74   | 5.458G            | 75   | 5.528G            | 76   | 5.707G            |
| 77                                               | 5.717G            | 78   | 5.418G            | 79   | 5.560G            | 80   | 5.604G            |
| 81                                               | 5.644G            | 82   | 5.396G            | 83   | 5.416G            | 84   | 5.514G            |
| 85                                               | 5.526G            | 86   | 5.699G            | 87   | 5.443G            | 88   | 5.674G            |
| 89                                               | 5.411G            | 90   | 5.671G            | 91   | 5.510G            | 92   | 5.257G            |
| 93                                               | 5.436G            | 94   | 5.424G            | 95   | 5.459G            | 96   | 5.273G            |
| 97                                               | 5.685G            | 98   | 5.463G            | 99   | 5.288G            | 100  | 5.275G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.278G            | 2    | 5.505G            | 3    | 5.563G            | 4    | 5.422G            |
| 5                                                | 5.685G            | 6    | 5.270G            | 7    | 5.545G            | 8    | 5.321G            |
| 9                                                | 5.641G            | 10   | 5.680G            | 11   | 5.568G            | 12   | 5.284G            |
| 13                                               | 5.675G            | 14   | 5.542G            | 15   | 5.406G            | 16   | 5.426G            |
| 17                                               | 5.346G            | 18   | 5.327G            | 19   | 5.558G            | 20   | 5.423G            |
| 21                                               | 5.285G            | 22   | 5.434G            | 23   | 5.720G            | 24   | 5.538G            |
| 25                                               | 5.357G            | 26   | 5.286G            | 27   | 5.362G            | 28   | 5.522G            |
| 29                                               | 5.520G            | 30   | 5.438G            | 31   | 5.418G            | 32   | 5.448G            |
| 33                                               | 5.605G            | 34   | 5.451G            | 35   | 5.516G            | 36   | 5.319G            |
| 37                                               | 5.694G            | 38   | 5.671G            | 39   | 5.518G            | 40   | 5.553G            |
| 41                                               | 5.252G            | 42   | 5.395G            | 43   | 5.482G            | 44   | 5.419G            |
| 45                                               | 5.397G            | 46   | 5.716G            | 47   | 5.349G            | 48   | 5.661G            |
| 49                                               | 5.296G            | 50   | 5.693G            | 51   | 5.414G            | 52   | 5.670G            |
| 53                                               | 5.356G            | 54   | 5.527G            | 55   | 5.704G            | 56   | 5.566G            |
| 57                                               | 5.429G            | 58   | 5.592G            | 59   | 5.353G            | 60   | 5.361G            |
| 61                                               | 5.475G            | 62   | 5.636G            | 63   | 5.508G            | 64   | 5.718G            |
| 65                                               | 5.484G            | 66   | 5.405G            | 67   | 5.348G            | 68   | 5.650G            |
| 69                                               | 5.412G            | 70   | 5.607G            | 71   | 5.294G            | 72   | 5.721G            |
| 73                                               | 5.565G            | 74   | 5.379G            | 75   | 5.279G            | 76   | 5.433G            |
| 77                                               | 5.578G            | 78   | 5.610G            | 79   | 5.477G            | 80   | 5.571G            |
| 81                                               | 5.276G            | 82   | 5.495G            | 83   | 5.308G            | 84   | 5.698G            |
| 85                                               | 5.572G            | 86   | 5.398G            | 87   | 5.387G            | 88   | 5.597G            |
| 89                                               | 5.688G            | 90   | 5.590G            | 91   | 5.485G            | 92   | 5.497G            |
| 93                                               | 5.253G            | 94   | 5.617G            | 95   | 5.632G            | 96   | 5.363G            |
| 97                                               | 5.628G            | 98   | 5.376G            | 99   | 5.282G            | 100  | 5.490G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.535G            | 2    | 5.444G            | 3    | 5.468G            | 4    | 5.719G            |
| 5                                                | 5.264G            | 6    | 5.349G            | 7    | 5.554G            | 8    | 5.387G            |
| 9                                                | 5.462G            | 10   | 5.632G            | 11   | 5.490G            | 12   | 5.478G            |
| 13                                               | 5.340G            | 14   | 5.494G            | 15   | 5.323G            | 16   | 5.320G            |
| 17                                               | 5.560G            | 18   | 5.435G            | 19   | 5.367G            | 20   | 5.544G            |
| 21                                               | 5.519G            | 22   | 5.401G            | 23   | 5.616G            | 24   | 5.485G            |
| 25                                               | 5.477G            | 26   | 5.482G            | 27   | 5.669G            | 28   | 5.553G            |
| 29                                               | 5.682G            | 30   | 5.308G            | 31   | 5.293G            | 32   | 5.496G            |
| 33                                               | 5.480G            | 34   | 5.593G            | 35   | 5.268G            | 36   | 5.324G            |
| 37                                               | 5.657G            | 38   | 5.587G            | 39   | 5.712G            | 40   | 5.635G            |
| 41                                               | 5.473G            | 42   | 5.441G            | 43   | 5.442G            | 44   | 5.649G            |
| 45                                               | 5.597G            | 46   | 5.517G            | 47   | 5.279G            | 48   | 5.454G            |
| 49                                               | 5.689G            | 50   | 5.456G            | 51   | 5.529G            | 52   | 5.391G            |
| 53                                               | 5.515G            | 54   | 5.350G            | 55   | 5.434G            | 56   | 5.505G            |
| 57                                               | 5.539G            | 58   | 5.582G            | 59   | 5.604G            | 60   | 5.370G            |
| 61                                               | 5.413G            | 62   | 5.414G            | 63   | 5.285G            | 64   | 5.605G            |
| 65                                               | 5.648G            | 66   | 5.345G            | 67   | 5.489G            | 68   | 5.671G            |
| 69                                               | 5.540G            | 70   | 5.289G            | 71   | 5.598G            | 72   | 5.542G            |
| 73                                               | 5.636G            | 74   | 5.381G            | 75   | 5.347G            | 76   | 5.522G            |
| 77                                               | 5.711G            | 78   | 5.693G            | 79   | 5.319G            | 80   | 5.431G            |
| 81                                               | 5.501G            | 82   | 5.486G            | 83   | 5.280G            | 84   | 5.647G            |
| 85                                               | 5.398G            | 86   | 5.259G            | 87   | 5.570G            | 88   | 5.504G            |
| 89                                               | 5.558G            | 90   | 5.426G            | 91   | 5.706G            | 92   | 5.291G            |
| 93                                               | 5.253G            | 94   | 5.662G            | 95   | 5.362G            | 96   | 5.667G            |
| 97                                               | 5.590G            | 98   | 5.569G            | 99   | 5.531G            | 100  | 5.405G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.642G            | 2    | 5.685G            | 3    | 5.613G            | 4    | 5.701G            |
| 5                                                | 5.526G            | 6    | 5.604G            | 7    | 5.329G            | 8    | 5.551G            |
| 9                                                | 5.624G            | 10   | 5.389G            | 11   | 5.696G            | 12   | 5.599G            |
| 13                                               | 5.323G            | 14   | 5.274G            | 15   | 5.293G            | 16   | 5.416G            |
| 17                                               | 5.720G            | 18   | 5.453G            | 19   | 5.655G            | 20   | 5.608G            |
| 21                                               | 5.344G            | 22   | 5.349G            | 23   | 5.399G            | 24   | 5.605G            |
| 25                                               | 5.326G            | 26   | 5.693G            | 27   | 5.674G            | 28   | 5.255G            |
| 29                                               | 5.370G            | 30   | 5.285G            | 31   | 5.666G            | 32   | 5.578G            |
| 33                                               | 5.260G            | 34   | 5.275G            | 35   | 5.409G            | 36   | 5.715G            |
| 37                                               | 5.660G            | 38   | 5.460G            | 39   | 5.324G            | 40   | 5.509G            |
| 41                                               | 5.712G            | 42   | 5.312G            | 43   | 5.480G            | 44   | 5.375G            |
| 45                                               | 5.681G            | 46   | 5.631G            | 47   | 5.714G            | 48   | 5.512G            |
| 49                                               | 5.445G            | 50   | 5.514G            | 51   | 5.354G            | 52   | 5.483G            |
| 53                                               | 5.490G            | 54   | 5.654G            | 55   | 5.386G            | 56   | 5.291G            |
| 57                                               | 5.476G            | 58   | 5.716G            | 59   | 5.362G            | 60   | 5.265G            |
| 61                                               | 5.680G            | 62   | 5.439G            | 63   | 5.541G            | 64   | 5.573G            |
| 65                                               | 5.682G            | 66   | 5.644G            | 67   | 5.414G            | 68   | 5.422G            |
| 69                                               | 5.668G            | 70   | 5.677G            | 71   | 5.609G            | 72   | 5.705G            |
| 73                                               | 5.473G            | 74   | 5.517G            | 75   | 5.482G            | 76   | 5.549G            |
| 77                                               | 5.360G            | 78   | 5.485G            | 79   | 5.684G            | 80   | 5.317G            |
| 81                                               | 5.264G            | 82   | 5.711G            | 83   | 5.355G            | 84   | 5.596G            |
| 85                                               | 5.300G            | 86   | 5.592G            | 87   | 5.303G            | 88   | 5.594G            |
| 89                                               | 5.579G            | 90   | 5.649G            | 91   | 5.340G            | 92   | 5.667G            |
| 93                                               | 5.643G            | 94   | 5.575G            | 95   | 5.396G            | 96   | 5.436G            |
| 97                                               | 5.437G            | 98   | 5.408G            | 99   | 5.561G            | 100  | 5.421G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.597G            | 2    | 5.360G            | 3    | 5.666G            | 4    | 5.431G            |
| 5                                                | 5.587G            | 6    | 5.521G            | 7    | 5.471G            | 8    | 5.553G            |
| 9                                                | 5.676G            | 10   | 5.338G            | 11   | 5.722G            | 12   | 5.347G            |
| 13                                               | 5.458G            | 14   | 5.498G            | 15   | 5.620G            | 16   | 5.641G            |
| 17                                               | 5.596G            | 18   | 5.295G            | 19   | 5.317G            | 20   | 5.605G            |
| 21                                               | 5.532G            | 22   | 5.650G            | 23   | 5.558G            | 24   | 5.700G            |
| 25                                               | 5.495G            | 26   | 5.481G            | 27   | 5.485G            | 28   | 5.390G            |
| 29                                               | 5.656G            | 30   | 5.648G            | 31   | 5.365G            | 32   | 5.708G            |
| 33                                               | 5.371G            | 34   | 5.441G            | 35   | 5.702G            | 36   | 5.504G            |
| 37                                               | 5.261G            | 38   | 5.398G            | 39   | 5.392G            | 40   | 5.572G            |
| 41                                               | 5.683G            | 42   | 5.567G            | 43   | 5.585G            | 44   | 5.623G            |
| 45                                               | 5.569G            | 46   | 5.256G            | 47   | 5.505G            | 48   | 5.649G            |
| 49                                               | 5.426G            | 50   | 5.264G            | 51   | 5.640G            | 52   | 5.690G            |
| 53                                               | 5.520G            | 54   | 5.466G            | 55   | 5.593G            | 56   | 5.568G            |
| 57                                               | 5.325G            | 58   | 5.383G            | 59   | 5.300G            | 60   | 5.389G            |
| 61                                               | 5.469G            | 62   | 5.253G            | 63   | 5.285G            | 64   | 5.724G            |
| 65                                               | 5.538G            | 66   | 5.467G            | 67   | 5.519G            | 68   | 5.686G            |
| 69                                               | 5.539G            | 70   | 5.313G            | 71   | 5.713G            | 72   | 5.312G            |
| 73                                               | 5.654G            | 74   | 5.299G            | 75   | 5.446G            | 76   | 5.366G            |
| 77                                               | 5.320G            | 78   | 5.479G            | 79   | 5.492G            | 80   | 5.340G            |
| 81                                               | 5.548G            | 82   | 5.671G            | 83   | 5.698G            | 84   | 5.674G            |
| 85                                               | 5.343G            | 86   | 5.710G            | 87   | 5.443G            | 88   | 5.503G            |
| 89                                               | 5.599G            | 90   | 5.474G            | 91   | 5.502G            | 92   | 5.437G            |
| 93                                               | 5.263G            | 94   | 5.604G            | 95   | 5.393G            | 96   | 5.372G            |
| 97                                               | 5.369G            | 98   | 5.262G            | 99   | 5.711G            | 100  | 5.527G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.667G            | 2    | 5.626G            | 3    | 5.314G            | 4    | 5.440G            |
| 5                                                | 5.527G            | 6    | 5.365G            | 7    | 5.653G            | 8    | 5.652G            |
| 9                                                | 5.469G            | 10   | 5.694G            | 11   | 5.496G            | 12   | 5.634G            |
| 13                                               | 5.517G            | 14   | 5.354G            | 15   | 5.481G            | 16   | 5.505G            |
| 17                                               | 5.292G            | 18   | 5.254G            | 19   | 5.569G            | 20   | 5.649G            |
| 21                                               | 5.433G            | 22   | 5.604G            | 23   | 5.404G            | 24   | 5.349G            |
| 25                                               | 5.416G            | 26   | 5.551G            | 27   | 5.603G            | 28   | 5.561G            |
| 29                                               | 5.386G            | 30   | 5.648G            | 31   | 5.369G            | 32   | 5.252G            |
| 33                                               | 5.635G            | 34   | 5.605G            | 35   | 5.399G            | 36   | 5.485G            |
| 37                                               | 5.391G            | 38   | 5.641G            | 39   | 5.518G            | 40   | 5.607G            |
| 41                                               | 5.529G            | 42   | 5.590G            | 43   | 5.520G            | 44   | 5.514G            |
| 45                                               | 5.409G            | 46   | 5.336G            | 47   | 5.567G            | 48   | 5.679G            |
| 49                                               | 5.698G            | 50   | 5.594G            | 51   | 5.564G            | 52   | 5.419G            |
| 53                                               | 5.657G            | 54   | 5.668G            | 55   | 5.689G            | 56   | 5.306G            |
| 57                                               | 5.385G            | 58   | 5.278G            | 59   | 5.688G            | 60   | 5.423G            |
| 61                                               | 5.674G            | 62   | 5.536G            | 63   | 5.544G            | 64   | 5.435G            |
| 65                                               | 5.251G            | 66   | 5.601G            | 67   | 5.438G            | 68   | 5.280G            |
| 69                                               | 5.260G            | 70   | 5.288G            | 71   | 5.711G            | 72   | 5.389G            |
| 73                                               | 5.640G            | 74   | 5.556G            | 75   | 5.664G            | 76   | 5.718G            |
| 77                                               | 5.677G            | 78   | 5.651G            | 79   | 5.277G            | 80   | 5.420G            |
| 81                                               | 5.300G            | 82   | 5.683G            | 83   | 5.573G            | 84   | 5.702G            |
| 85                                               | 5.256G            | 86   | 5.684G            | 87   | 5.533G            | 88   | 5.362G            |
| 89                                               | 5.443G            | 90   | 5.712G            | 91   | 5.612G            | 92   | 5.606G            |
| 93                                               | 5.491G            | 94   | 5.364G            | 95   | 5.338G            | 96   | 5.417G            |
| 97                                               | 5.428G            | 98   | 5.553G            | 99   | 5.595G            | 100  | 5.583G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.652G            | 2    | 5.260G            | 3    | 5.508G            | 4    | 5.643G            |
| 5                                                | 5.653G            | 6    | 5.659G            | 7    | 5.381G            | 8    | 5.683G            |
| 9                                                | 5.724G            | 10   | 5.711G            | 11   | 5.577G            | 12   | 5.333G            |
| 13                                               | 5.682G            | 14   | 5.307G            | 15   | 5.258G            | 16   | 5.603G            |
| 17                                               | 5.605G            | 18   | 5.534G            | 19   | 5.520G            | 20   | 5.491G            |
| 21                                               | 5.367G            | 22   | 5.672G            | 23   | 5.355G            | 24   | 5.372G            |
| 25                                               | 5.651G            | 26   | 5.541G            | 27   | 5.274G            | 28   | 5.666G            |
| 29                                               | 5.498G            | 30   | 5.336G            | 31   | 5.420G            | 32   | 5.701G            |
| 33                                               | 5.496G            | 34   | 5.707G            | 35   | 5.361G            | 36   | 5.608G            |
| 37                                               | 5.582G            | 38   | 5.631G            | 39   | 5.289G            | 40   | 5.386G            |
| 41                                               | 5.568G            | 42   | 5.671G            | 43   | 5.455G            | 44   | 5.279G            |
| 45                                               | 5.558G            | 46   | 5.595G            | 47   | 5.363G            | 48   | 5.352G            |
| 49                                               | 5.549G            | 50   | 5.434G            | 51   | 5.602G            | 52   | 5.362G            |
| 53                                               | 5.379G            | 54   | 5.419G            | 55   | 5.554G            | 56   | 5.686G            |
| 57                                               | 5.366G            | 58   | 5.516G            | 59   | 5.285G            | 60   | 5.405G            |
| 61                                               | 5.319G            | 62   | 5.596G            | 63   | 5.394G            | 64   | 5.385G            |
| 65                                               | 5.356G            | 66   | 5.300G            | 67   | 5.641G            | 68   | 5.280G            |
| 69                                               | 5.332G            | 70   | 5.626G            | 71   | 5.674G            | 72   | 5.295G            |
| 73                                               | 5.664G            | 74   | 5.600G            | 75   | 5.523G            | 76   | 5.440G            |
| 77                                               | 5.286G            | 78   | 5.490G            | 79   | 5.259G            | 80   | 5.593G            |
| 81                                               | 5.531G            | 82   | 5.634G            | 83   | 5.489G            | 84   | 5.559G            |
| 85                                               | 5.527G            | 86   | 5.578G            | 87   | 5.322G            | 88   | 5.589G            |
| 89                                               | 5.709G            | 90   | 5.525G            | 91   | 5.535G            | 92   | 5.537G            |
| 93                                               | 5.636G            | 94   | 5.521G            | 95   | 5.323G            | 96   | 5.716G            |
| 97                                               | 5.611G            | 98   | 5.632G            | 99   | 5.282G            | 100  | 5.598G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.448G            | 2    | 5.353G            | 3    | 5.542G            | 4    | 5.384G            |
| 5                                                | 5.676G            | 6    | 5.609G            | 7    | 5.518G            | 8    | 5.454G            |
| 9                                                | 5.662G            | 10   | 5.516G            | 11   | 5.357G            | 12   | 5.406G            |
| 13                                               | 5.491G            | 14   | 5.438G            | 15   | 5.408G            | 16   | 5.263G            |
| 17                                               | 5.625G            | 18   | 5.559G            | 19   | 5.652G            | 20   | 5.280G            |
| 21                                               | 5.577G            | 22   | 5.254G            | 23   | 5.556G            | 24   | 5.472G            |
| 25                                               | 5.672G            | 26   | 5.282G            | 27   | 5.639G            | 28   | 5.527G            |
| 29                                               | 5.612G            | 30   | 5.569G            | 31   | 5.555G            | 32   | 5.630G            |
| 33                                               | 5.347G            | 34   | 5.607G            | 35   | 5.647G            | 36   | 5.425G            |
| 37                                               | 5.422G            | 38   | 5.329G            | 39   | 5.501G            | 40   | 5.704G            |
| 41                                               | 5.364G            | 42   | 5.374G            | 43   | 5.702G            | 44   | 5.554G            |
| 45                                               | 5.644G            | 46   | 5.277G            | 47   | 5.626G            | 48   | 5.418G            |
| 49                                               | 5.587G            | 50   | 5.604G            | 51   | 5.677G            | 52   | 5.558G            |
| 53                                               | 5.568G            | 54   | 5.534G            | 55   | 5.497G            | 56   | 5.401G            |
| 57                                               | 5.252G            | 58   | 5.466G            | 59   | 5.571G            | 60   | 5.584G            |
| 61                                               | 5.714G            | 62   | 5.682G            | 63   | 5.552G            | 64   | 5.610G            |
| 65                                               | 5.597G            | 66   | 5.392G            | 67   | 5.370G            | 68   | 5.456G            |
| 69                                               | 5.316G            | 70   | 5.274G            | 71   | 5.506G            | 72   | 5.523G            |
| 73                                               | 5.537G            | 74   | 5.533G            | 75   | 5.546G            | 76   | 5.645G            |
| 77                                               | 5.276G            | 78   | 5.505G            | 79   | 5.484G            | 80   | 5.684G            |
| 81                                               | 5.679G            | 82   | 5.259G            | 83   | 5.285G            | 84   | 5.668G            |
| 85                                               | 5.723G            | 86   | 5.656G            | 87   | 5.673G            | 88   | 5.255G            |
| 89                                               | 5.594G            | 90   | 5.339G            | 91   | 5.268G            | 92   | 5.502G            |
| 93                                               | 5.496G            | 94   | 5.503G            | 95   | 5.323G            | 96   | 5.273G            |
| 97                                               | 5.342G            | 98   | 5.711G            | 99   | 5.410G            | 100  | 5.661G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.407G            | 2    | 5.441G            | 3    | 5.498G            | 4    | 5.515G            |
| 5                                                | 5.358G            | 6    | 5.316G            | 7    | 5.659G            | 8    | 5.695G            |
| 9                                                | 5.542G            | 10   | 5.393G            | 11   | 5.592G            | 12   | 5.682G            |
| 13                                               | 5.332G            | 14   | 5.675G            | 15   | 5.608G            | 16   | 5.588G            |
| 17                                               | 5.578G            | 18   | 5.291G            | 19   | 5.614G            | 20   | 5.282G            |
| 21                                               | 5.648G            | 22   | 5.476G            | 23   | 5.273G            | 24   | 5.312G            |
| 25                                               | 5.697G            | 26   | 5.658G            | 27   | 5.349G            | 28   | 5.600G            |
| 29                                               | 5.279G            | 30   | 5.431G            | 31   | 5.484G            | 32   | 5.372G            |
| 33                                               | 5.283G            | 34   | 5.378G            | 35   | 5.401G            | 36   | 5.505G            |
| 37                                               | 5.471G            | 38   | 5.295G            | 39   | 5.470G            | 40   | 5.341G            |
| 41                                               | 5.669G            | 42   | 5.366G            | 43   | 5.290G            | 44   | 5.475G            |
| 45                                               | 5.549G            | 46   | 5.633G            | 47   | 5.430G            | 48   | 5.539G            |
| 49                                               | 5.425G            | 50   | 5.387G            | 51   | 5.511G            | 52   | 5.373G            |
| 53                                               | 5.514G            | 54   | 5.634G            | 55   | 5.297G            | 56   | 5.461G            |
| 57                                               | 5.392G            | 58   | 5.516G            | 59   | 5.270G            | 60   | 5.280G            |
| 61                                               | 5.427G            | 62   | 5.570G            | 63   | 5.289G            | 64   | 5.310G            |
| 65                                               | 5.411G            | 66   | 5.412G            | 67   | 5.711G            | 68   | 5.568G            |
| 69                                               | 5.386G            | 70   | 5.655G            | 71   | 5.409G            | 72   | 5.374G            |
| 73                                               | 5.437G            | 74   | 5.302G            | 75   | 5.617G            | 76   | 5.572G            |
| 77                                               | 5.370G            | 78   | 5.667G            | 79   | 5.601G            | 80   | 5.447G            |
| 81                                               | 5.551G            | 82   | 5.525G            | 83   | 5.292G            | 84   | 5.481G            |
| 85                                               | 5.571G            | 86   | 5.605G            | 87   | 5.395G            | 88   | 5.496G            |
| 89                                               | 5.402G            | 90   | 5.644G            | 91   | 5.631G            | 92   | 5.432G            |
| 93                                               | 5.694G            | 94   | 5.662G            | 95   | 5.540G            | 96   | 5.489G            |
| 97                                               | 5.463G            | 98   | 5.521G            | 99   | 5.486G            | 100  | 5.616G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.544G            | 2    | 5.339G            | 3    | 5.529G            | 4    | 5.472G            |
| 5                                                | 5.508G            | 6    | 5.431G            | 7    | 5.596G            | 8    | 5.270G            |
| 9                                                | 5.327G            | 10   | 5.379G            | 11   | 5.662G            | 12   | 5.462G            |
| 13                                               | 5.273G            | 14   | 5.617G            | 15   | 5.651G            | 16   | 5.377G            |
| 17                                               | 5.686G            | 18   | 5.415G            | 19   | 5.488G            | 20   | 5.380G            |
| 21                                               | 5.351G            | 22   | 5.688G            | 23   | 5.260G            | 24   | 5.530G            |
| 25                                               | 5.589G            | 26   | 5.703G            | 27   | 5.632G            | 28   | 5.609G            |
| 29                                               | 5.333G            | 30   | 5.286G            | 31   | 5.507G            | 32   | 5.693G            |
| 33                                               | 5.664G            | 34   | 5.582G            | 35   | 5.461G            | 36   | 5.358G            |
| 37                                               | 5.667G            | 38   | 5.555G            | 39   | 5.367G            | 40   | 5.570G            |
| 41                                               | 5.711G            | 42   | 5.372G            | 43   | 5.537G            | 44   | 5.267G            |
| 45                                               | 5.301G            | 46   | 5.585G            | 47   | 5.288G            | 48   | 5.583G            |
| 49                                               | 5.398G            | 50   | 5.421G            | 51   | 5.291G            | 52   | 5.445G            |
| 53                                               | 5.541G            | 54   | 5.504G            | 55   | 5.384G            | 56   | 5.299G            |
| 57                                               | 5.543G            | 58   | 5.556G            | 59   | 5.496G            | 60   | 5.477G            |
| 61                                               | 5.423G            | 62   | 5.678G            | 63   | 5.624G            | 64   | 5.353G            |
| 65                                               | 5.413G            | 66   | 5.296G            | 67   | 5.706G            | 68   | 5.685G            |
| 69                                               | 5.473G            | 70   | 5.722G            | 71   | 5.424G            | 72   | 5.525G            |
| 73                                               | 5.674G            | 74   | 5.359G            | 75   | 5.325G            | 76   | 5.489G            |
| 77                                               | 5.614G            | 78   | 5.622G            | 79   | 5.294G            | 80   | 5.573G            |
| 81                                               | 5.494G            | 82   | 5.326G            | 83   | 5.394G            | 84   | 5.482G            |
| 85                                               | 5.650G            | 86   | 5.435G            | 87   | 5.659G            | 88   | 5.400G            |
| 89                                               | 5.637G            | 90   | 5.355G            | 91   | 5.258G            | 92   | 5.449G            |
| 93                                               | 5.718G            | 94   | 5.676G            | 95   | 5.447G            | 96   | 5.549G            |
| 97                                               | 5.640G            | 98   | 5.645G            | 99   | 5.276G            | 100  | 5.533G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.358G            | 2    | 5.430G            | 3    | 5.615G            | 4    | 5.653G            |
| 5                                                | 5.439G            | 6    | 5.310G            | 7    | 5.399G            | 8    | 5.722G            |
| 9                                                | 5.721G            | 10   | 5.494G            | 11   | 5.352G            | 12   | 5.449G            |
| 13                                               | 5.538G            | 14   | 5.337G            | 15   | 5.438G            | 16   | 5.262G            |
| 17                                               | 5.307G            | 18   | 5.409G            | 19   | 5.503G            | 20   | 5.419G            |
| 21                                               | 5.487G            | 22   | 5.282G            | 23   | 5.417G            | 24   | 5.295G            |
| 25                                               | 5.644G            | 26   | 5.622G            | 27   | 5.383G            | 28   | 5.334G            |
| 29                                               | 5.692G            | 30   | 5.658G            | 31   | 5.598G            | 32   | 5.372G            |
| 33                                               | 5.573G            | 34   | 5.576G            | 35   | 5.491G            | 36   | 5.621G            |
| 37                                               | 5.380G            | 38   | 5.586G            | 39   | 5.527G            | 40   | 5.698G            |
| 41                                               | 5.342G            | 42   | 5.275G            | 43   | 5.492G            | 44   | 5.630G            |
| 45                                               | 5.529G            | 46   | 5.724G            | 47   | 5.269G            | 48   | 5.411G            |
| 49                                               | 5.474G            | 50   | 5.608G            | 51   | 5.553G            | 52   | 5.602G            |
| 53                                               | 5.429G            | 54   | 5.478G            | 55   | 5.312G            | 56   | 5.318G            |
| 57                                               | 5.673G            | 58   | 5.297G            | 59   | 5.369G            | 60   | 5.377G            |
| 61                                               | 5.375G            | 62   | 5.285G            | 63   | 5.558G            | 64   | 5.260G            |
| 65                                               | 5.390G            | 66   | 5.268G            | 67   | 5.656G            | 68   | 5.370G            |
| 69                                               | 5.596G            | 70   | 5.605G            | 71   | 5.591G            | 72   | 5.629G            |
| 73                                               | 5.506G            | 74   | 5.351G            | 75   | 5.281G            | 76   | 5.336G            |
| 77                                               | 5.524G            | 78   | 5.521G            | 79   | 5.461G            | 80   | 5.367G            |
| 81                                               | 5.296G            | 82   | 5.347G            | 83   | 5.435G            | 84   | 5.329G            |
| 85                                               | 5.340G            | 86   | 5.299G            | 87   | 5.680G            | 88   | 5.448G            |
| 89                                               | 5.261G            | 90   | 5.510G            | 91   | 5.265G            | 92   | 5.555G            |
| 93                                               | 5.595G            | 94   | 5.457G            | 95   | 5.280G            | 96   | 5.359G            |
| 97                                               | 5.410G            | 98   | 5.509G            | 99   | 5.379G            | 100  | 5.447G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.393G            | 2    | 5.673G            | 3    | 5.362G            | 4    | 5.390G            |
| 5                                                | 5.528G            | 6    | 5.625G            | 7    | 5.315G            | 8    | 5.383G            |
| 9                                                | 5.653G            | 10   | 5.342G            | 11   | 5.572G            | 12   | 5.613G            |
| 13                                               | 5.252G            | 14   | 5.520G            | 15   | 5.685G            | 16   | 5.292G            |
| 17                                               | 5.268G            | 18   | 5.450G            | 19   | 5.259G            | 20   | 5.674G            |
| 21                                               | 5.321G            | 22   | 5.371G            | 23   | 5.531G            | 24   | 5.381G            |
| 25                                               | 5.284G            | 26   | 5.403G            | 27   | 5.599G            | 28   | 5.549G            |
| 29                                               | 5.400G            | 30   | 5.482G            | 31   | 5.281G            | 32   | 5.454G            |
| 33                                               | 5.689G            | 34   | 5.290G            | 35   | 5.481G            | 36   | 5.540G            |
| 37                                               | 5.571G            | 38   | 5.368G            | 39   | 5.440G            | 40   | 5.555G            |
| 41                                               | 5.607G            | 42   | 5.399G            | 43   | 5.713G            | 44   | 5.301G            |
| 45                                               | 5.423G            | 46   | 5.369G            | 47   | 5.445G            | 48   | 5.566G            |
| 49                                               | 5.574G            | 50   | 5.724G            | 51   | 5.639G            | 52   | 5.406G            |
| 53                                               | 5.407G            | 54   | 5.543G            | 55   | 5.476G            | 56   | 5.660G            |
| 57                                               | 5.633G            | 58   | 5.700G            | 59   | 5.417G            | 60   | 5.439G            |
| 61                                               | 5.589G            | 62   | 5.585G            | 63   | 5.435G            | 64   | 5.500G            |
| 65                                               | 5.715G            | 66   | 5.280G            | 67   | 5.697G            | 68   | 5.366G            |
| 69                                               | 5.442G            | 70   | 5.558G            | 71   | 5.286G            | 72   | 5.448G            |
| 73                                               | 5.716G            | 74   | 5.508G            | 75   | 5.634G            | 76   | 5.488G            |
| 77                                               | 5.657G            | 78   | 5.554G            | 79   | 5.461G            | 80   | 5.721G            |
| 81                                               | 5.517G            | 82   | 5.269G            | 83   | 5.584G            | 84   | 5.693G            |
| 85                                               | 5.587G            | 86   | 5.502G            | 87   | 5.431G            | 88   | 5.405G            |
| 89                                               | 5.272G            | 90   | 5.707G            | 91   | 5.667G            | 92   | 5.418G            |
| 93                                               | 5.662G            | 94   | 5.387G            | 95   | 5.610G            | 96   | 5.536G            |
| 97                                               | 5.485G            | 98   | 5.605G            | 99   | 5.526G            | 100  | 5.279G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.293G            | 2    | 5.401G            | 3    | 5.260G            | 4    | 5.640G            |
| 5                                                | 5.308G            | 6    | 5.684G            | 7    | 5.527G            | 8    | 5.417G            |
| 9                                                | 5.419G            | 10   | 5.660G            | 11   | 5.495G            | 12   | 5.628G            |
| 13                                               | 5.363G            | 14   | 5.470G            | 15   | 5.517G            | 16   | 5.412G            |
| 17                                               | 5.446G            | 18   | 5.302G            | 19   | 5.567G            | 20   | 5.712G            |
| 21                                               | 5.272G            | 22   | 5.335G            | 23   | 5.582G            | 24   | 5.500G            |
| 25                                               | 5.311G            | 26   | 5.550G            | 27   | 5.378G            | 28   | 5.601G            |
| 29                                               | 5.671G            | 30   | 5.667G            | 31   | 5.452G            | 32   | 5.271G            |
| 33                                               | 5.283G            | 34   | 5.719G            | 35   | 5.536G            | 36   | 5.652G            |
| 37                                               | 5.526G            | 38   | 5.481G            | 39   | 5.657G            | 40   | 5.254G            |
| 41                                               | 5.343G            | 42   | 5.505G            | 43   | 5.542G            | 44   | 5.483G            |
| 45                                               | 5.342G            | 46   | 5.259G            | 47   | 5.710G            | 48   | 5.545G            |
| 49                                               | 5.410G            | 50   | 5.516G            | 51   | 5.489G            | 52   | 5.696G            |
| 53                                               | 5.512G            | 54   | 5.554G            | 55   | 5.571G            | 56   | 5.433G            |
| 57                                               | 5.445G            | 58   | 5.634G            | 59   | 5.345G            | 60   | 5.434G            |
| 61                                               | 5.716G            | 62   | 5.613G            | 63   | 5.541G            | 64   | 5.268G            |
| 65                                               | 5.282G            | 66   | 5.252G            | 67   | 5.442G            | 68   | 5.488G            |
| 69                                               | 5.703G            | 70   | 5.586G            | 71   | 5.349G            | 72   | 5.544G            |
| 73                                               | 5.325G            | 74   | 5.514G            | 75   | 5.456G            | 76   | 5.508G            |
| 77                                               | 5.403G            | 78   | 5.387G            | 79   | 5.406G            | 80   | 5.653G            |
| 81                                               | 5.497G            | 82   | 5.454G            | 83   | 5.307G            | 84   | 5.430G            |
| 85                                               | 5.377G            | 86   | 5.431G            | 87   | 5.382G            | 88   | 5.539G            |
| 89                                               | 5.251G            | 90   | 5.420G            | 91   | 5.638G            | 92   | 5.676G            |
| 93                                               | 5.592G            | 94   | 5.579G            | 95   | 5.463G            | 96   | 5.678G            |
| 97                                               | 5.262G            | 98   | 5.364G            | 99   | 5.388G            | 100  | 5.261G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.700G            | 2    | 5.350G            | 3    | 5.410G            | 4    | 5.401G            |
| 5                                                | 5.669G            | 6    | 5.409G            | 7    | 5.462G            | 8    | 5.338G            |
| 9                                                | 5.266G            | 10   | 5.526G            | 11   | 5.681G            | 12   | 5.337G            |
| 13                                               | 5.420G            | 14   | 5.267G            | 15   | 5.516G            | 16   | 5.629G            |
| 17                                               | 5.389G            | 18   | 5.299G            | 19   | 5.490G            | 20   | 5.398G            |
| 21                                               | 5.380G            | 22   | 5.418G            | 23   | 5.523G            | 24   | 5.655G            |
| 25                                               | 5.360G            | 26   | 5.328G            | 27   | 5.397G            | 28   | 5.639G            |
| 29                                               | 5.417G            | 30   | 5.423G            | 31   | 5.540G            | 32   | 5.342G            |
| 33                                               | 5.656G            | 34   | 5.296G            | 35   | 5.491G            | 36   | 5.635G            |
| 37                                               | 5.395G            | 38   | 5.255G            | 39   | 5.556G            | 40   | 5.254G            |
| 41                                               | 5.278G            | 42   | 5.648G            | 43   | 5.295G            | 44   | 5.576G            |
| 45                                               | 5.686G            | 46   | 5.569G            | 47   | 5.439G            | 48   | 5.476G            |
| 49                                               | 5.614G            | 50   | 5.422G            | 51   | 5.336G            | 52   | 5.367G            |
| 53                                               | 5.259G            | 54   | 5.461G            | 55   | 5.566G            | 56   | 5.702G            |
| 57                                               | 5.345G            | 58   | 5.307G            | 59   | 5.319G            | 60   | 5.289G            |
| 61                                               | 5.517G            | 62   | 5.281G            | 63   | 5.581G            | 64   | 5.673G            |
| 65                                               | 5.489G            | 66   | 5.339G            | 67   | 5.436G            | 68   | 5.352G            |
| 69                                               | 5.440G            | 70   | 5.634G            | 71   | 5.504G            | 72   | 5.411G            |
| 73                                               | 5.407G            | 74   | 5.625G            | 75   | 5.601G            | 76   | 5.678G            |
| 77                                               | 5.671G            | 78   | 5.282G            | 79   | 5.710G            | 80   | 5.324G            |
| 81                                               | 5.264G            | 82   | 5.536G            | 83   | 5.633G            | 84   | 5.499G            |
| 85                                               | 5.271G            | 86   | 5.568G            | 87   | 5.559G            | 88   | 5.644G            |
| 89                                               | 5.514G            | 90   | 5.664G            | 91   | 5.326G            | 92   | 5.294G            |
| 93                                               | 5.646G            | 94   | 5.315G            | 95   | 5.340G            | 96   | 5.408G            |
| 97                                               | 5.638G            | 98   | 5.599G            | 99   | 5.670G            | 100  | 5.561G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.563G            | 2    | 5.478G            | 3    | 5.723G            | 4    | 5.319G            |
| 5                                                | 5.374G            | 6    | 5.492G            | 7    | 5.469G            | 8    | 5.292G            |
| 9                                                | 5.525G            | 10   | 5.252G            | 11   | 5.350G            | 12   | 5.608G            |
| 13                                               | 5.323G            | 14   | 5.681G            | 15   | 5.388G            | 16   | 5.545G            |
| 17                                               | 5.291G            | 18   | 5.517G            | 19   | 5.253G            | 20   | 5.383G            |
| 21                                               | 5.489G            | 22   | 5.654G            | 23   | 5.704G            | 24   | 5.616G            |
| 25                                               | 5.621G            | 26   | 5.593G            | 27   | 5.435G            | 28   | 5.332G            |
| 29                                               | 5.420G            | 30   | 5.375G            | 31   | 5.587G            | 32   | 5.610G            |
| 33                                               | 5.498G            | 34   | 5.376G            | 35   | 5.661G            | 36   | 5.596G            |
| 37                                               | 5.413G            | 38   | 5.269G            | 39   | 5.701G            | 40   | 5.510G            |
| 41                                               | 5.266G            | 42   | 5.626G            | 43   | 5.516G            | 44   | 5.483G            |
| 45                                               | 5.467G            | 46   | 5.518G            | 47   | 5.586G            | 48   | 5.255G            |
| 49                                               | 5.512G            | 50   | 5.315G            | 51   | 5.639G            | 52   | 5.316G            |
| 53                                               | 5.667G            | 54   | 5.625G            | 55   | 5.495G            | 56   | 5.560G            |
| 57                                               | 5.455G            | 58   | 5.286G            | 59   | 5.324G            | 60   | 5.678G            |
| 61                                               | 5.555G            | 62   | 5.594G            | 63   | 5.662G            | 64   | 5.505G            |
| 65                                               | 5.320G            | 66   | 5.685G            | 67   | 5.282G            | 68   | 5.335G            |
| 69                                               | 5.677G            | 70   | 5.585G            | 71   | 5.526G            | 72   | 5.670G            |
| 73                                               | 5.400G            | 74   | 5.541G            | 75   | 5.488G            | 76   | 5.477G            |
| 77                                               | 5.480G            | 78   | 5.507G            | 79   | 5.449G            | 80   | 5.385G            |
| 81                                               | 5.473G            | 82   | 5.412G            | 83   | 5.714G            | 84   | 5.549G            |
| 85                                               | 5.690G            | 86   | 5.295G            | 87   | 5.619G            | 88   | 5.683G            |
| 89                                               | 5.411G            | 90   | 5.343G            | 91   | 5.664G            | 92   | 5.637G            |
| 93                                               | 5.351G            | 94   | 5.285G            | 95   | 5.691G            | 96   | 5.554G            |
| 97                                               | 5.415G            | 98   | 5.530G            | 99   | 5.692G            | 100  | 5.452G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.497G            | 2    | 5.599G            | 3    | 5.670G            | 4    | 5.665G            |
| 5                                                | 5.351G            | 6    | 5.278G            | 7    | 5.388G            | 8    | 5.600G            |
| 9                                                | 5.263G            | 10   | 5.572G            | 11   | 5.364G            | 12   | 5.532G            |
| 13                                               | 5.643G            | 14   | 5.487G            | 15   | 5.486G            | 16   | 5.631G            |
| 17                                               | 5.515G            | 18   | 5.492G            | 19   | 5.373G            | 20   | 5.442G            |
| 21                                               | 5.358G            | 22   | 5.293G            | 23   | 5.562G            | 24   | 5.355G            |
| 25                                               | 5.496G            | 26   | 5.467G            | 27   | 5.679G            | 28   | 5.707G            |
| 29                                               | 5.607G            | 30   | 5.513G            | 31   | 5.489G            | 32   | 5.485G            |
| 33                                               | 5.320G            | 34   | 5.418G            | 35   | 5.621G            | 36   | 5.416G            |
| 37                                               | 5.522G            | 38   | 5.407G            | 39   | 5.303G            | 40   | 5.357G            |
| 41                                               | 5.378G            | 42   | 5.542G            | 43   | 5.678G            | 44   | 5.452G            |
| 45                                               | 5.574G            | 46   | 5.449G            | 47   | 5.546G            | 48   | 5.610G            |
| 49                                               | 5.434G            | 50   | 5.613G            | 51   | 5.650G            | 52   | 5.469G            |
| 53                                               | 5.281G            | 54   | 5.608G            | 55   | 5.524G            | 56   | 5.529G            |
| 57                                               | 5.428G            | 58   | 5.661G            | 59   | 5.544G            | 60   | 5.512G            |
| 61                                               | 5.393G            | 62   | 5.411G            | 63   | 5.471G            | 64   | 5.462G            |
| 65                                               | 5.504G            | 66   | 5.399G            | 67   | 5.638G            | 68   | 5.298G            |
| 69                                               | 5.395G            | 70   | 5.553G            | 71   | 5.273G            | 72   | 5.578G            |
| 73                                               | 5.463G            | 74   | 5.423G            | 75   | 5.307G            | 76   | 5.516G            |
| 77                                               | 5.507G            | 78   | 5.480G            | 79   | 5.360G            | 80   | 5.721G            |
| 81                                               | 5.598G            | 82   | 5.376G            | 83   | 5.494G            | 84   | 5.398G            |
| 85                                               | 5.595G            | 86   | 5.521G            | 87   | 5.305G            | 88   | 5.446G            |
| 89                                               | 5.275G            | 90   | 5.443G            | 91   | 5.316G            | 92   | 5.437G            |
| 93                                               | 5.549G            | 94   | 5.693G            | 95   | 5.269G            | 96   | 5.295G            |
| 97                                               | 5.668G            | 98   | 5.586G            | 99   | 5.719G            | 100  | 5.615G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.691G            | 2    | 5.551G            | 3    | 5.579G            | 4    | 5.350G            |
| 5                                                | 5.688G            | 6    | 5.622G            | 7    | 5.294G            | 8    | 5.547G            |
| 9                                                | 5.460G            | 10   | 5.446G            | 11   | 5.270G            | 12   | 5.541G            |
| 13                                               | 5.620G            | 14   | 5.571G            | 15   | 5.384G            | 16   | 5.633G            |
| 17                                               | 5.477G            | 18   | 5.503G            | 19   | 5.553G            | 20   | 5.629G            |
| 21                                               | 5.472G            | 22   | 5.542G            | 23   | 5.528G            | 24   | 5.544G            |
| 25                                               | 5.613G            | 26   | 5.700G            | 27   | 5.434G            | 28   | 5.358G            |
| 29                                               | 5.525G            | 30   | 5.305G            | 31   | 5.644G            | 32   | 5.516G            |
| 33                                               | 5.648G            | 34   | 5.684G            | 35   | 5.488G            | 36   | 5.478G            |
| 37                                               | 5.498G            | 38   | 5.335G            | 39   | 5.441G            | 40   | 5.361G            |
| 41                                               | 5.411G            | 42   | 5.420G            | 43   | 5.396G            | 44   | 5.515G            |
| 45                                               | 5.353G            | 46   | 5.266G            | 47   | 5.451G            | 48   | 5.386G            |
| 49                                               | 5.617G            | 50   | 5.588G            | 51   | 5.374G            | 52   | 5.532G            |
| 53                                               | 5.666G            | 54   | 5.669G            | 55   | 5.314G            | 56   | 5.431G            |
| 57                                               | 5.520G            | 58   | 5.306G            | 59   | 5.272G            | 60   | 5.279G            |
| 61                                               | 5.634G            | 62   | 5.654G            | 63   | 5.619G            | 64   | 5.504G            |
| 65                                               | 5.334G            | 66   | 5.685G            | 67   | 5.690G            | 68   | 5.646G            |
| 69                                               | 5.575G            | 70   | 5.641G            | 71   | 5.297G            | 72   | 5.282G            |
| 73                                               | 5.713G            | 74   | 5.479G            | 75   | 5.663G            | 76   | 5.695G            |
| 77                                               | 5.492G            | 78   | 5.493G            | 79   | 5.668G            | 80   | 5.327G            |
| 81                                               | 5.288G            | 82   | 5.296G            | 83   | 5.413G            | 84   | 5.511G            |
| 85                                               | 5.486G            | 86   | 5.597G            | 87   | 5.286G            | 88   | 5.661G            |
| 89                                               | 5.421G            | 90   | 5.405G            | 91   | 5.536G            | 92   | 5.719G            |
| 93                                               | 5.518G            | 94   | 5.590G            | 95   | 5.608G            | 96   | 5.408G            |
| 97                                               | 5.582G            | 98   | 5.303G            | 99   | 5.449G            | 100  | 5.414G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.680G            | 2    | 5.483G            | 3    | 5.416G            | 4    | 5.549G            |
| 5                                                | 5.475G            | 6    | 5.321G            | 7    | 5.633G            | 8    | 5.278G            |
| 9                                                | 5.311G            | 10   | 5.524G            | 11   | 5.678G            | 12   | 5.521G            |
| 13                                               | 5.605G            | 14   | 5.367G            | 15   | 5.691G            | 16   | 5.672G            |
| 17                                               | 5.370G            | 18   | 5.504G            | 19   | 5.488G            | 20   | 5.433G            |
| 21                                               | 5.465G            | 22   | 5.282G            | 23   | 5.266G            | 24   | 5.701G            |
| 25                                               | 5.709G            | 26   | 5.267G            | 27   | 5.445G            | 28   | 5.385G            |
| 29                                               | 5.623G            | 30   | 5.299G            | 31   | 5.419G            | 32   | 5.707G            |
| 33                                               | 5.617G            | 34   | 5.322G            | 35   | 5.498G            | 36   | 5.632G            |
| 37                                               | 5.649G            | 38   | 5.546G            | 39   | 5.446G            | 40   | 5.541G            |
| 41                                               | 5.599G            | 42   | 5.630G            | 43   | 5.256G            | 44   | 5.568G            |
| 45                                               | 5.566G            | 46   | 5.537G            | 47   | 5.534G            | 48   | 5.277G            |
| 49                                               | 5.618G            | 50   | 5.374G            | 51   | 5.455G            | 52   | 5.283G            |
| 53                                               | 5.564G            | 54   | 5.312G            | 55   | 5.693G            | 56   | 5.436G            |
| 57                                               | 5.338G            | 58   | 5.372G            | 59   | 5.272G            | 60   | 5.369G            |
| 61                                               | 5.696G            | 62   | 5.507G            | 63   | 5.695G            | 64   | 5.529G            |
| 65                                               | 5.317G            | 66   | 5.384G            | 67   | 5.297G            | 68   | 5.494G            |
| 69                                               | 5.366G            | 70   | 5.705G            | 71   | 5.300G            | 72   | 5.715G            |
| 73                                               | 5.481G            | 74   | 5.287G            | 75   | 5.698G            | 76   | 5.301G            |
| 77                                               | 5.655G            | 78   | 5.670G            | 79   | 5.264G            | 80   | 5.420G            |
| 81                                               | 5.262G            | 82   | 5.676G            | 83   | 5.683G            | 84   | 5.394G            |
| 85                                               | 5.540G            | 86   | 5.337G            | 87   | 5.326G            | 88   | 5.431G            |
| 89                                               | 5.381G            | 90   | 5.505G            | 91   | 5.515G            | 92   | 5.275G            |
| 93                                               | 5.408G            | 94   | 5.690G            | 95   | 5.306G            | 96   | 5.359G            |
| 97                                               | 5.427G            | 98   | 5.342G            | 99   | 5.356G            | 100  | 5.462G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.600G            | 2    | 5.680G            | 3    | 5.444G            | 4    | 5.459G            |
| 5                                                | 5.718G            | 6    | 5.298G            | 7    | 5.441G            | 8    | 5.605G            |
| 9                                                | 5.622G            | 10   | 5.505G            | 11   | 5.286G            | 12   | 5.634G            |
| 13                                               | 5.683G            | 14   | 5.583G            | 15   | 5.428G            | 16   | 5.667G            |
| 17                                               | 5.570G            | 18   | 5.549G            | 19   | 5.553G            | 20   | 5.353G            |
| 21                                               | 5.602G            | 22   | 5.544G            | 23   | 5.377G            | 24   | 5.341G            |
| 25                                               | 5.677G            | 26   | 5.713G            | 27   | 5.629G            | 28   | 5.321G            |
| 29                                               | 5.483G            | 30   | 5.363G            | 31   | 5.636G            | 32   | 5.504G            |
| 33                                               | 5.595G            | 34   | 5.384G            | 35   | 5.474G            | 36   | 5.625G            |
| 37                                               | 5.269G            | 38   | 5.624G            | 39   | 5.665G            | 40   | 5.375G            |
| 41                                               | 5.712G            | 42   | 5.345G            | 43   | 5.418G            | 44   | 5.457G            |
| 45                                               | 5.311G            | 46   | 5.656G            | 47   | 5.507G            | 48   | 5.429G            |
| 49                                               | 5.440G            | 50   | 5.320G            | 51   | 5.540G            | 52   | 5.477G            |
| 53                                               | 5.411G            | 54   | 5.561G            | 55   | 5.352G            | 56   | 5.317G            |
| 57                                               | 5.497G            | 58   | 5.423G            | 59   | 5.576G            | 60   | 5.367G            |
| 61                                               | 5.509G            | 62   | 5.472G            | 63   | 5.641G            | 64   | 5.597G            |
| 65                                               | 5.559G            | 66   | 5.585G            | 67   | 5.626G            | 68   | 5.336G            |
| 69                                               | 5.271G            | 70   | 5.313G            | 71   | 5.420G            | 72   | 5.448G            |
| 73                                               | 5.443G            | 74   | 5.381G            | 75   | 5.647G            | 76   | 5.431G            |
| 77                                               | 5.370G            | 78   | 5.580G            | 79   | 5.323G            | 80   | 5.548G            |
| 81                                               | 5.430G            | 82   | 5.596G            | 83   | 5.523G            | 84   | 5.530G            |
| 85                                               | 5.560G            | 86   | 5.592G            | 87   | 5.314G            | 88   | 5.422G            |
| 89                                               | 5.607G            | 90   | 5.385G            | 91   | 5.628G            | 92   | 5.421G            |
| 93                                               | 5.463G            | 94   | 5.437G            | 95   | 5.646G            | 96   | 5.648G            |
| 97                                               | 5.536G            | 98   | 5.296G            | 99   | 5.312G            | 100  | 5.409G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.290G            | 2    | 5.317G            | 3    | 5.630G            | 4    | 5.724G            |
| 5                                                | 5.411G            | 6    | 5.700G            | 7    | 5.507G            | 8    | 5.263G            |
| 9                                                | 5.308G            | 10   | 5.568G            | 11   | 5.400G            | 12   | 5.252G            |
| 13                                               | 5.499G            | 14   | 5.570G            | 15   | 5.528G            | 16   | 5.461G            |
| 17                                               | 5.638G            | 18   | 5.399G            | 19   | 5.398G            | 20   | 5.254G            |
| 21                                               | 5.684G            | 22   | 5.616G            | 23   | 5.659G            | 24   | 5.285G            |
| 25                                               | 5.640G            | 26   | 5.647G            | 27   | 5.357G            | 28   | 5.279G            |
| 29                                               | 5.324G            | 30   | 5.323G            | 31   | 5.327G            | 32   | 5.626G            |
| 33                                               | 5.722G            | 34   | 5.345G            | 35   | 5.302G            | 36   | 5.483G            |
| 37                                               | 5.702G            | 38   | 5.384G            | 39   | 5.305G            | 40   | 5.651G            |
| 41                                               | 5.498G            | 42   | 5.693G            | 43   | 5.255G            | 44   | 5.564G            |
| 45                                               | 5.299G            | 46   | 5.482G            | 47   | 5.446G            | 48   | 5.704G            |
| 49                                               | 5.459G            | 50   | 5.582G            | 51   | 5.288G            | 52   | 5.720G            |
| 53                                               | 5.335G            | 54   | 5.286G            | 55   | 5.541G            | 56   | 5.457G            |
| 57                                               | 5.272G            | 58   | 5.365G            | 59   | 5.529G            | 60   | 5.618G            |
| 61                                               | 5.441G            | 62   | 5.581G            | 63   | 5.386G            | 64   | 5.650G            |
| 65                                               | 5.580G            | 66   | 5.612G            | 67   | 5.601G            | 68   | 5.557G            |
| 69                                               | 5.486G            | 70   | 5.608G            | 71   | 5.511G            | 72   | 5.664G            |
| 73                                               | 5.675G            | 74   | 5.525G            | 75   | 5.567G            | 76   | 5.678G            |
| 77                                               | 5.586G            | 78   | 5.336G            | 79   | 5.291G            | 80   | 5.387G            |
| 81                                               | 5.625G            | 82   | 5.356G            | 83   | 5.412G            | 84   | 5.706G            |
| 85                                               | 5.591G            | 86   | 5.688G            | 87   | 5.374G            | 88   | 5.401G            |
| 89                                               | 5.510G            | 90   | 5.624G            | 91   | 5.321G            | 92   | 5.339G            |
| 93                                               | 5.466G            | 94   | 5.475G            | 95   | 5.655G            | 96   | 5.328G            |
| 97                                               | 5.513G            | 98   | 5.686G            | 99   | 5.352G            | 100  | 5.261G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.367G            | 2    | 5.276G            | 3    | 5.659G            | 4    | 5.686G            |
| 5                                                | 5.388G            | 6    | 5.552G            | 7    | 5.452G            | 8    | 5.285G            |
| 9                                                | 5.475G            | 10   | 5.441G            | 11   | 5.514G            | 12   | 5.266G            |
| 13                                               | 5.432G            | 14   | 5.462G            | 15   | 5.545G            | 16   | 5.348G            |
| 17                                               | 5.442G            | 18   | 5.489G            | 19   | 5.271G            | 20   | 5.277G            |
| 21                                               | 5.542G            | 22   | 5.594G            | 23   | 5.411G            | 24   | 5.517G            |
| 25                                               | 5.613G            | 26   | 5.275G            | 27   | 5.426G            | 28   | 5.661G            |
| 29                                               | 5.286G            | 30   | 5.595G            | 31   | 5.645G            | 32   | 5.688G            |
| 33                                               | 5.357G            | 34   | 5.690G            | 35   | 5.543G            | 36   | 5.364G            |
| 37                                               | 5.497G            | 38   | 5.393G            | 39   | 5.435G            | 40   | 5.345G            |
| 41                                               | 5.482G            | 42   | 5.344G            | 43   | 5.570G            | 44   | 5.593G            |
| 45                                               | 5.715G            | 46   | 5.602G            | 47   | 5.548G            | 48   | 5.451G            |
| 49                                               | 5.633G            | 50   | 5.471G            | 51   | 5.605G            | 52   | 5.324G            |
| 53                                               | 5.550G            | 54   | 5.526G            | 55   | 5.445G            | 56   | 5.651G            |
| 57                                               | 5.289G            | 58   | 5.582G            | 59   | 5.535G            | 60   | 5.251G            |
| 61                                               | 5.549G            | 62   | 5.362G            | 63   | 5.527G            | 64   | 5.294G            |
| 65                                               | 5.539G            | 66   | 5.423G            | 67   | 5.268G            | 68   | 5.400G            |
| 69                                               | 5.368G            | 70   | 5.684G            | 71   | 5.553G            | 72   | 5.703G            |
| 73                                               | 5.460G            | 74   | 5.436G            | 75   | 5.448G            | 76   | 5.309G            |
| 77                                               | 5.290G            | 78   | 5.260G            | 79   | 5.444G            | 80   | 5.588G            |
| 81                                               | 5.530G            | 82   | 5.682G            | 83   | 5.418G            | 84   | 5.560G            |
| 85                                               | 5.320G            | 86   | 5.486G            | 87   | 5.404G            | 88   | 5.428G            |
| 89                                               | 5.663G            | 90   | 5.401G            | 91   | 5.580G            | 92   | 5.484G            |
| 93                                               | 5.495G            | 94   | 5.319G            | 95   | 5.267G            | 96   | 5.618G            |
| 97                                               | 5.431G            | 98   | 5.327G            | 99   | 5.252G            | 100  | 5.547G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.280G            | 2    | 5.283G            | 3    | 5.409G            | 4    | 5.651G            |
| 5                                                | 5.340G            | 6    | 5.620G            | 7    | 5.366G            | 8    | 5.353G            |
| 9                                                | 5.501G            | 10   | 5.456G            | 11   | 5.573G            | 12   | 5.583G            |
| 13                                               | 5.375G            | 14   | 5.630G            | 15   | 5.291G            | 16   | 5.333G            |
| 17                                               | 5.477G            | 18   | 5.453G            | 19   | 5.513G            | 20   | 5.510G            |
| 21                                               | 5.445G            | 22   | 5.407G            | 23   | 5.401G            | 24   | 5.671G            |
| 25                                               | 5.523G            | 26   | 5.428G            | 27   | 5.655G            | 28   | 5.603G            |
| 29                                               | 5.650G            | 30   | 5.270G            | 31   | 5.348G            | 32   | 5.367G            |
| 33                                               | 5.564G            | 34   | 5.673G            | 35   | 5.362G            | 36   | 5.378G            |
| 37                                               | 5.528G            | 38   | 5.334G            | 39   | 5.365G            | 40   | 5.568G            |
| 41                                               | 5.341G            | 42   | 5.636G            | 43   | 5.411G            | 44   | 5.549G            |
| 45                                               | 5.394G            | 46   | 5.271G            | 47   | 5.420G            | 48   | 5.724G            |
| 49                                               | 5.467G            | 50   | 5.423G            | 51   | 5.427G            | 52   | 5.580G            |
| 53                                               | 5.611G            | 54   | 5.313G            | 55   | 5.584G            | 56   | 5.553G            |
| 57                                               | 5.396G            | 58   | 5.688G            | 59   | 5.516G            | 60   | 5.433G            |
| 61                                               | 5.487G            | 62   | 5.308G            | 63   | 5.296G            | 64   | 5.338G            |
| 65                                               | 5.666G            | 66   | 5.464G            | 67   | 5.389G            | 68   | 5.421G            |
| 69                                               | 5.721G            | 70   | 5.605G            | 71   | 5.555G            | 72   | 5.447G            |
| 73                                               | 5.455G            | 74   | 5.567G            | 75   | 5.585G            | 76   | 5.656G            |
| 77                                               | 5.469G            | 78   | 5.640G            | 79   | 5.629G            | 80   | 5.424G            |
| 81                                               | 5.481G            | 82   | 5.329G            | 83   | 5.342G            | 84   | 5.610G            |
| 85                                               | 5.710G            | 86   | 5.489G            | 87   | 5.343G            | 88   | 5.442G            |
| 89                                               | 5.692G            | 90   | 5.292G            | 91   | 5.702G            | 92   | 5.601G            |
| 93                                               | 5.491G            | 94   | 5.626G            | 95   | 5.644G            | 96   | 5.641G            |
| 97                                               | 5.406G            | 98   | 5.450G            | 99   | 5.569G            | 100  | 5.690G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.615G            | 2    | 5.657G            | 3    | 5.676G            | 4    | 5.592G            |
| 5                                                | 5.327G            | 6    | 5.300G            | 7    | 5.337G            | 8    | 5.680G            |
| 9                                                | 5.448G            | 10   | 5.690G            | 11   | 5.417G            | 12   | 5.567G            |
| 13                                               | 5.604G            | 14   | 5.694G            | 15   | 5.516G            | 16   | 5.503G            |
| 17                                               | 5.312G            | 18   | 5.598G            | 19   | 5.696G            | 20   | 5.383G            |
| 21                                               | 5.718G            | 22   | 5.475G            | 23   | 5.603G            | 24   | 5.464G            |
| 25                                               | 5.425G            | 26   | 5.677G            | 27   | 5.320G            | 28   | 5.367G            |
| 29                                               | 5.313G            | 30   | 5.436G            | 31   | 5.463G            | 32   | 5.699G            |
| 33                                               | 5.565G            | 34   | 5.371G            | 35   | 5.411G            | 36   | 5.659G            |
| 37                                               | 5.661G            | 38   | 5.649G            | 39   | 5.391G            | 40   | 5.589G            |
| 41                                               | 5.452G            | 42   | 5.410G            | 43   | 5.484G            | 44   | 5.302G            |
| 45                                               | 5.692G            | 46   | 5.270G            | 47   | 5.386G            | 48   | 5.279G            |
| 49                                               | 5.601G            | 50   | 5.513G            | 51   | 5.602G            | 52   | 5.673G            |
| 53                                               | 5.501G            | 54   | 5.557G            | 55   | 5.494G            | 56   | 5.254G            |
| 57                                               | 5.571G            | 58   | 5.264G            | 59   | 5.573G            | 60   | 5.440G            |
| 61                                               | 5.281G            | 62   | 5.423G            | 63   | 5.358G            | 64   | 5.500G            |
| 65                                               | 5.701G            | 66   | 5.525G            | 67   | 5.446G            | 68   | 5.369G            |
| 69                                               | 5.499G            | 70   | 5.582G            | 71   | 5.717G            | 72   | 5.664G            |
| 73                                               | 5.515G            | 74   | 5.514G            | 75   | 5.461G            | 76   | 5.631G            |
| 77                                               | 5.719G            | 78   | 5.606G            | 79   | 5.483G            | 80   | 5.449G            |
| 81                                               | 5.458G            | 82   | 5.447G            | 83   | 5.616G            | 84   | 5.482G            |
| 85                                               | 5.453G            | 86   | 5.263G            | 87   | 5.542G            | 88   | 5.399G            |
| 89                                               | 5.469G            | 90   | 5.275G            | 91   | 5.295G            | 92   | 5.291G            |
| 93                                               | 5.416G            | 94   | 5.444G            | 95   | 5.599G            | 96   | 5.522G            |
| 97                                               | 5.640G            | 98   | 5.632G            | 99   | 5.472G            | 100  | 5.583G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.339G            | 2    | 5.672G            | 3    | 5.594G            | 4    | 5.694G            |
| 5                                                | 5.660G            | 6    | 5.647G            | 7    | 5.656G            | 8    | 5.705G            |
| 9                                                | 5.551G            | 10   | 5.542G            | 11   | 5.295G            | 12   | 5.316G            |
| 13                                               | 5.454G            | 14   | 5.592G            | 15   | 5.582G            | 16   | 5.303G            |
| 17                                               | 5.465G            | 18   | 5.417G            | 19   | 5.512G            | 20   | 5.710G            |
| 21                                               | 5.289G            | 22   | 5.286G            | 23   | 5.277G            | 24   | 5.440G            |
| 25                                               | 5.584G            | 26   | 5.518G            | 27   | 5.505G            | 28   | 5.597G            |
| 29                                               | 5.326G            | 30   | 5.371G            | 31   | 5.374G            | 32   | 5.639G            |
| 33                                               | 5.355G            | 34   | 5.609G            | 35   | 5.618G            | 36   | 5.463G            |
| 37                                               | 5.425G            | 38   | 5.404G            | 39   | 5.711G            | 40   | 5.506G            |
| 41                                               | 5.394G            | 42   | 5.431G            | 43   | 5.703G            | 44   | 5.489G            |
| 45                                               | 5.596G            | 46   | 5.575G            | 47   | 5.515G            | 48   | 5.655G            |
| 49                                               | 5.652G            | 50   | 5.494G            | 51   | 5.358G            | 52   | 5.648G            |
| 53                                               | 5.376G            | 54   | 5.457G            | 55   | 5.279G            | 56   | 5.707G            |
| 57                                               | 5.412G            | 58   | 5.396G            | 59   | 5.319G            | 60   | 5.430G            |
| 61                                               | 5.363G            | 62   | 5.379G            | 63   | 5.544G            | 64   | 5.364G            |
| 65                                               | 5.499G            | 66   | 5.622G            | 67   | 5.476G            | 68   | 5.536G            |
| 69                                               | 5.487G            | 70   | 5.587G            | 71   | 5.452G            | 72   | 5.418G            |
| 73                                               | 5.333G            | 74   | 5.321G            | 75   | 5.528G            | 76   | 5.574G            |
| 77                                               | 5.619G            | 78   | 5.386G            | 79   | 5.633G            | 80   | 5.467G            |
| 81                                               | 5.600G            | 82   | 5.500G            | 83   | 5.504G            | 84   | 5.265G            |
| 85                                               | 5.625G            | 86   | 5.359G            | 87   | 5.485G            | 88   | 5.372G            |
| 89                                               | 5.569G            | 90   | 5.456G            | 91   | 5.573G            | 92   | 5.581G            |
| 93                                               | 5.281G            | 94   | 5.314G            | 95   | 5.721G            | 96   | 5.650G            |
| 97                                               | 5.713G            | 98   | 5.275G            | 99   | 5.686G            | 100  | 5.708G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.452G            | 2    | 5.650G            | 3    | 5.373G            | 4    | 5.568G            |
| 5                                                | 5.602G            | 6    | 5.448G            | 7    | 5.593G            | 8    | 5.367G            |
| 9                                                | 5.529G            | 10   | 5.515G            | 11   | 5.598G            | 12   | 5.338G            |
| 13                                               | 5.380G            | 14   | 5.524G            | 15   | 5.371G            | 16   | 5.401G            |
| 17                                               | 5.522G            | 18   | 5.411G            | 19   | 5.715G            | 20   | 5.590G            |
| 21                                               | 5.300G            | 22   | 5.691G            | 23   | 5.433G            | 24   | 5.430G            |
| 25                                               | 5.670G            | 26   | 5.318G            | 27   | 5.319G            | 28   | 5.333G            |
| 29                                               | 5.260G            | 30   | 5.425G            | 31   | 5.530G            | 32   | 5.708G            |
| 33                                               | 5.722G            | 34   | 5.712G            | 35   | 5.501G            | 36   | 5.654G            |
| 37                                               | 5.485G            | 38   | 5.424G            | 39   | 5.638G            | 40   | 5.445G            |
| 41                                               | 5.564G            | 42   | 5.439G            | 43   | 5.376G            | 44   | 5.442G            |
| 45                                               | 5.619G            | 46   | 5.552G            | 47   | 5.347G            | 48   | 5.408G            |
| 49                                               | 5.316G            | 50   | 5.643G            | 51   | 5.269G            | 52   | 5.484G            |
| 53                                               | 5.687G            | 54   | 5.419G            | 55   | 5.573G            | 56   | 5.473G            |
| 57                                               | 5.327G            | 58   | 5.293G            | 59   | 5.611G            | 60   | 5.475G            |
| 61                                               | 5.537G            | 62   | 5.583G            | 63   | 5.444G            | 64   | 5.661G            |
| 65                                               | 5.551G            | 66   | 5.255G            | 67   | 5.364G            | 68   | 5.349G            |
| 69                                               | 5.574G            | 70   | 5.588G            | 71   | 5.680G            | 72   | 5.497G            |
| 73                                               | 5.585G            | 74   | 5.534G            | 75   | 5.365G            | 76   | 5.721G            |
| 77                                               | 5.469G            | 78   | 5.488G            | 79   | 5.406G            | 80   | 5.348G            |
| 81                                               | 5.504G            | 82   | 5.671G            | 83   | 5.651G            | 84   | 5.375G            |
| 85                                               | 5.286G            | 86   | 5.507G            | 87   | 5.414G            | 88   | 5.519G            |
| 89                                               | 5.684G            | 90   | 5.438G            | 91   | 5.520G            | 92   | 5.265G            |
| 93                                               | 5.404G            | 94   | 5.711G            | 95   | 5.586G            | 96   | 5.657G            |
| 97                                               | 5.302G            | 98   | 5.575G            | 99   | 5.490G            | 100  | 5.464G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.434G            | 2    | 5.680G            | 3    | 5.335G            | 4    | 5.560G            |
| 5                                                | 5.369G            | 6    | 5.305G            | 7    | 5.710G            | 8    | 5.275G            |
| 9                                                | 5.315G            | 10   | 5.475G            | 11   | 5.269G            | 12   | 5.460G            |
| 13                                               | 5.533G            | 14   | 5.627G            | 15   | 5.702G            | 16   | 5.661G            |
| 17                                               | 5.707G            | 18   | 5.356G            | 19   | 5.687G            | 20   | 5.328G            |
| 21                                               | 5.656G            | 22   | 5.563G            | 23   | 5.581G            | 24   | 5.361G            |
| 25                                               | 5.694G            | 26   | 5.468G            | 27   | 5.456G            | 28   | 5.304G            |
| 29                                               | 5.499G            | 30   | 5.255G            | 31   | 5.391G            | 32   | 5.647G            |
| 33                                               | 5.320G            | 34   | 5.653G            | 35   | 5.298G            | 36   | 5.536G            |
| 37                                               | 5.665G            | 38   | 5.268G            | 39   | 5.623G            | 40   | 5.721G            |
| 41                                               | 5.620G            | 42   | 5.611G            | 43   | 5.313G            | 44   | 5.570G            |
| 45                                               | 5.545G            | 46   | 5.716G            | 47   | 5.524G            | 48   | 5.628G            |
| 49                                               | 5.698G            | 50   | 5.558G            | 51   | 5.278G            | 52   | 5.723G            |
| 53                                               | 5.420G            | 54   | 5.359G            | 55   | 5.722G            | 56   | 5.492G            |
| 57                                               | 5.446G            | 58   | 5.354G            | 59   | 5.474G            | 60   | 5.638G            |
| 61                                               | 5.720G            | 62   | 5.618G            | 63   | 5.582G            | 64   | 5.326G            |
| 65                                               | 5.398G            | 66   | 5.410G            | 67   | 5.634G            | 68   | 5.344G            |
| 69                                               | 5.697G            | 70   | 5.253G            | 71   | 5.519G            | 72   | 5.424G            |
| 73                                               | 5.594G            | 74   | 5.286G            | 75   | 5.599G            | 76   | 5.264G            |
| 77                                               | 5.718G            | 78   | 5.576G            | 79   | 5.682G            | 80   | 5.432G            |
| 81                                               | 5.584G            | 82   | 5.462G            | 83   | 5.525G            | 84   | 5.336G            |
| 85                                               | 5.577G            | 86   | 5.459G            | 87   | 5.714G            | 88   | 5.449G            |
| 89                                               | 5.483G            | 90   | 5.490G            | 91   | 5.347G            | 92   | 5.277G            |
| 93                                               | 5.478G            | 94   | 5.292G            | 95   | 5.274G            | 96   | 5.377G            |
| 97                                               | 5.617G            | 98   | 5.367G            | 99   | 5.472G            | 100  | 5.337G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.410G            | 2    | 5.585G            | 3    | 5.609G            | 4    | 5.523G            |
| 5                                                | 5.304G            | 6    | 5.466G            | 7    | 5.262G            | 8    | 5.617G            |
| 9                                                | 5.311G            | 10   | 5.677G            | 11   | 5.590G            | 12   | 5.283G            |
| 13                                               | 5.305G            | 14   | 5.601G            | 15   | 5.404G            | 16   | 5.690G            |
| 17                                               | 5.302G            | 18   | 5.655G            | 19   | 5.668G            | 20   | 5.389G            |
| 21                                               | 5.412G            | 22   | 5.709G            | 23   | 5.286G            | 24   | 5.631G            |
| 25                                               | 5.626G            | 26   | 5.487G            | 27   | 5.257G            | 28   | 5.491G            |
| 29                                               | 5.328G            | 30   | 5.345G            | 31   | 5.651G            | 32   | 5.275G            |
| 33                                               | 5.605G            | 34   | 5.430G            | 35   | 5.588G            | 36   | 5.705G            |
| 37                                               | 5.289G            | 38   | 5.694G            | 39   | 5.365G            | 40   | 5.307G            |
| 41                                               | 5.673G            | 42   | 5.288G            | 43   | 5.458G            | 44   | 5.363G            |
| 45                                               | 5.573G            | 46   | 5.424G            | 47   | 5.654G            | 48   | 5.354G            |
| 49                                               | 5.548G            | 50   | 5.696G            | 51   | 5.440G            | 52   | 5.701G            |
| 53                                               | 5.629G            | 54   | 5.390G            | 55   | 5.334G            | 56   | 5.507G            |
| 57                                               | 5.434G            | 58   | 5.724G            | 59   | 5.485G            | 60   | 5.444G            |
| 61                                               | 5.527G            | 62   | 5.428G            | 63   | 5.360G            | 64   | 5.377G            |
| 65                                               | 5.542G            | 66   | 5.641G            | 67   | 5.423G            | 68   | 5.446G            |
| 69                                               | 5.483G            | 70   | 5.478G            | 71   | 5.537G            | 72   | 5.293G            |
| 73                                               | 5.612G            | 74   | 5.476G            | 75   | 5.445G            | 76   | 5.702G            |
| 77                                               | 5.596G            | 78   | 5.388G            | 79   | 5.544G            | 80   | 5.499G            |
| 81                                               | 5.621G            | 82   | 5.353G            | 83   | 5.402G            | 84   | 5.603G            |
| 85                                               | 5.650G            | 86   | 5.469G            | 87   | 5.327G            | 88   | 5.313G            |
| 89                                               | 5.721G            | 90   | 5.432G            | 91   | 5.646G            | 92   | 5.680G            |
| 93                                               | 5.640G            | 94   | 5.295G            | 95   | 5.606G            | 96   | 5.604G            |
| 97                                               | 5.539G            | 98   | 5.325G            | 99   | 5.468G            | 100  | 5.484G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.631G            | 2    | 5.628G            | 3    | 5.645G            | 4    | 5.347G            |
| 5                                                | 5.591G            | 6    | 5.427G            | 7    | 5.333G            | 8    | 5.692G            |
| 9                                                | 5.441G            | 10   | 5.504G            | 11   | 5.600G            | 12   | 5.551G            |
| 13                                               | 5.271G            | 14   | 5.647G            | 15   | 5.646G            | 16   | 5.406G            |
| 17                                               | 5.613G            | 18   | 5.291G            | 19   | 5.362G            | 20   | 5.394G            |
| 21                                               | 5.470G            | 22   | 5.458G            | 23   | 5.546G            | 24   | 5.563G            |
| 25                                               | 5.318G            | 26   | 5.397G            | 27   | 5.260G            | 28   | 5.636G            |
| 29                                               | 5.576G            | 30   | 5.430G            | 31   | 5.391G            | 32   | 5.460G            |
| 33                                               | 5.361G            | 34   | 5.708G            | 35   | 5.698G            | 36   | 5.544G            |
| 37                                               | 5.258G            | 38   | 5.474G            | 39   | 5.703G            | 40   | 5.416G            |
| 41                                               | 5.657G            | 42   | 5.328G            | 43   | 5.277G            | 44   | 5.617G            |
| 45                                               | 5.449G            | 46   | 5.489G            | 47   | 5.575G            | 48   | 5.268G            |
| 49                                               | 5.294G            | 50   | 5.723G            | 51   | 5.644G            | 52   | 5.590G            |
| 53                                               | 5.256G            | 54   | 5.721G            | 55   | 5.261G            | 56   | 5.259G            |
| 57                                               | 5.514G            | 58   | 5.476G            | 59   | 5.345G            | 60   | 5.459G            |
| 61                                               | 5.462G            | 62   | 5.266G            | 63   | 5.407G            | 64   | 5.488G            |
| 65                                               | 5.286G            | 66   | 5.371G            | 67   | 5.571G            | 68   | 5.556G            |
| 69                                               | 5.588G            | 70   | 5.654G            | 71   | 5.678G            | 72   | 5.354G            |
| 73                                               | 5.472G            | 74   | 5.526G            | 75   | 5.487G            | 76   | 5.468G            |
| 77                                               | 5.508G            | 78   | 5.388G            | 79   | 5.446G            | 80   | 5.520G            |
| 81                                               | 5.418G            | 82   | 5.390G            | 83   | 5.550G            | 84   | 5.482G            |
| 85                                               | 5.337G            | 86   | 5.404G            | 87   | 5.664G            | 88   | 5.465G            |
| 89                                               | 5.598G            | 90   | 5.257G            | 91   | 5.392G            | 92   | 5.516G            |
| 93                                               | 5.448G            | 94   | 5.327G            | 95   | 5.614G            | 96   | 5.594G            |
| 97                                               | 5.633G            | 98   | 5.637G            | 99   | 5.715G            | 100  | 5.329G            |

**Model: RBS50**

**Annex A.: The Detailed Radar pattern and Statistical Performance**

**IEEE 802.11ac VHT20**

| Type 1 Radar Statistical Performances |                  |                 |                                   |         |                       |                         |
|---------------------------------------|------------------|-----------------|-----------------------------------|---------|-----------------------|-------------------------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | Pulse Repetition Frequency Number | PRI (s) | Radar Frequency (MHz) | Detection               |
| 1                                     | 99               | 1.0u            | 2                                 | 538.0u  | 5291                  | Yes                     |
| 2                                     | 95               | 1.0u            | 3                                 | 558.0u  | 5292                  | Yes                     |
| 3                                     | 92               | 1.0u            | 4                                 | 578.0u  | 5293                  | Yes                     |
| 4                                     | 86               | 1.0u            | 6                                 | 618.0u  | 5294                  | Yes                     |
| 5                                     | 83               | 1.0u            | 7                                 | 638.0u  | 5295                  | Yes                     |
| 6                                     | 81               | 1.0u            | 8                                 | 658.0u  | 5296                  | Yes                     |
| 7                                     | 78               | 1.0u            | 9                                 | 678.0u  | 5297                  | Yes                     |
| 8                                     | 76               | 1.0u            | 10                                | 698.0u  | 5298                  | Yes                     |
| 9                                     | 74               | 1.0u            | 11                                | 718.0u  | 5299                  | Yes                     |
| 10                                    | 67               | 1.0u            | 15                                | 798.0u  | 5300                  | Yes                     |
| 11                                    | 63               | 1.0u            | 17                                | 838.0u  | 5301                  | Yes                     |
| 12                                    | 62               | 1.0u            | 18                                | 858.0u  | 5302                  | Yes                     |
| 13                                    | 61               | 1.0u            | 19                                | 878.0u  | 5303                  | Yes                     |
| 14                                    | 59               | 1.0u            | 20                                | 898.0u  | 5304                  | Yes                     |
| 15                                    | 58               | 1.0u            | 21                                | 918.0u  | 5305                  | Yes                     |
| 16                                    | 66               | 1.0u            | -                                 | 801.0u  | 5306                  | Yes                     |
| 17                                    | 59               | 1.0u            | -                                 | 901.0u  | 5307                  | Yes                     |
| 18                                    | 63               | 1.0u            | -                                 | 841.0u  | 5308                  | Yes                     |
| 19                                    | 39               | 1.0u            | -                                 | 1.365m  | 5309                  | Yes                     |
| 20                                    | 69               | 1.0u            | -                                 | 769.0u  | 5307                  | Yes                     |
| 21                                    | 63               | 1.0u            | -                                 | 849.0u  | 5305                  | Yes                     |
| 22                                    | 57               | 1.0u            | -                                 | 929.0u  | 5303                  | Yes                     |
| 23                                    | 56               | 1.0u            | -                                 | 949.0u  | 5302                  | Yes                     |
| 24                                    | 69               | 1.0u            | -                                 | 775.0u  | 5300                  | Yes                     |
| 25                                    | 65               | 1.0u            | -                                 | 815.0u  | 5298                  | Yes                     |
| 26                                    | 61               | 1.0u            | -                                 | 875.0u  | 5296                  | Yes                     |
| 27                                    | 59               | 1.0u            | -                                 | 895.0u  | 5294                  | Yes                     |
| 28                                    | 58               | 1.0u            | -                                 | 915.0u  | 5293                  | Yes                     |
| 29                                    | 57               | 1.0u            | -                                 | 935.0u  | 5292                  | Yes                     |
| 30                                    | 19               | 1.0u            | -                                 | 2.853m  | 5291                  | Yes                     |
|                                       |                  |                 |                                   |         |                       | Detection Rate: 100.0 % |

| Type 2 Radar Statistical Performances |                  |                 |         |                       |                        |
|---------------------------------------|------------------|-----------------|---------|-----------------------|------------------------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection              |
| 1                                     | 23               | 2.3u            | 222.0u  | 5291                  | Yes                    |
| 2                                     | 28               | 1.8u            | 204.0u  | 5292                  | Yes                    |
| 3                                     | 26               | 1.6u            | 225.0u  | 5293                  | Yes                    |
| 4                                     | 27               | 3.8u            | 168.0u  | 5294                  | Yes                    |
| 5                                     | 27               | 1.1u            | 227.0u  | 5295                  | Yes                    |
| 6                                     | 27               | 2.6u            | 166.0u  | 5296                  | Yes                    |
| 7                                     | 24               | 4.7u            | 161.0u  | 5297                  | Yes                    |
| 8                                     | 28               | 1.9u            | 180.0u  | 5298                  | Yes                    |
| 9                                     | 29               | 1.3u            | 176.0u  | 5299                  | Yes                    |
| 10                                    | 23               | 1.8u            | 170.0u  | 5300                  | Yes                    |
| 11                                    | 29               | 1.4u            | 195.0u  | 5301                  | Yes                    |
| 12                                    | 25               | 3.4u            | 228.0u  | 5302                  | Yes                    |
| 13                                    | 26               | 2.3u            | 206.0u  | 5303                  | Yes                    |
| 14                                    | 27               | 4.5u            | 189.0u  | 5304                  | No                     |
| 15                                    | 25               | 3.9u            | 194.0u  | 5302                  | Yes                    |
| 16                                    | 25               | 3.0u            | 154.0u  | 5303                  | Yes                    |
| 17                                    | 23               | 3.6u            | 182.0u  | 5304                  | Yes                    |
| 18                                    | 26               | 3.4u            | 160.0u  | 5305                  | Yes                    |
| 19                                    | 25               | 3.3u            | 229.0u  | 5306                  | Yes                    |
| 20                                    | 23               | 1.9u            | 151.0u  | 5307                  | Yes                    |
| 21                                    | 25               | 1.8u            | 184.0u  | 5308                  | Yes                    |
| 22                                    | 28               | 2.3u            | 229.0u  | 5309                  | Yes                    |
| 23                                    | 29               | 1.1u            | 210.0u  | 5307                  | No                     |
| 24                                    | 26               | 2.2u            | 203.0u  | 5305                  | Yes                    |
| 25                                    | 25               | 2.9u            | 222.0u  | 5303                  | Yes                    |
| 26                                    | 28               | 1.4u            | 220.0u  | 5302                  | Yes                    |
| 27                                    | 26               | 1.8u            | 155.0u  | 5300                  | Yes                    |
| 28                                    | 29               | 3.4u            | 155.0u  | 5298                  | Yes                    |
| 29                                    | 28               | 3.1u            | 204.0u  | 5296                  | Yes                    |
| 30                                    | 26               | 4.4u            | 176.0u  | 5291                  | Yes                    |
|                                       |                  |                 |         |                       | Detection Rate: 93.3 % |



| Type 3 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 18               | 7.8u            | 292.0u  | 5291                  | Yes       |
| 2                                     | 18               | 7.0u            | 366.0u  | 5292                  | Yes       |
| 3                                     | 18               | 9.2u            | 486.0u  | 5293                  | Yes       |
| 4                                     | 17               | 6.8u            | 216.0u  | 5294                  | Yes       |
| 5                                     | 18               | 7.3u            | 446.0u  | 5295                  | Yes       |
| 6                                     | 16               | 6.6u            | 208.0u  | 5296                  | Yes       |
| 7                                     | 17               | 6.8u            | 347.0u  | 5297                  | Yes       |
| 8                                     | 17               | 9.6u            | 232.0u  | 5298                  | Yes       |
| 9                                     | 17               | 6.2u            | 364.0u  | 5299                  | Yes       |
| 10                                    | 16               | 7.1u            | 407.0u  | 5300                  | Yes       |
| 11                                    | 18               | 6.6u            | 458.0u  | 5301                  | No        |
| 12                                    | 17               | 9.1u            | 226.0u  | 5302                  | Yes       |
| 13                                    | 16               | 6.9u            | 297.0u  | 5303                  | No        |
| 14                                    | 18               | 9.8u            | 463.0u  | 5304                  | Yes       |
| 15                                    | 17               | 6.1u            | 329.0u  | 5302                  | Yes       |
| 16                                    | 17               | 10.0u           | 333.0u  | 5303                  | Yes       |
| 17                                    | 18               | 8.5u            | 399.0u  | 5304                  | Yes       |
| 18                                    | 17               | 8.7u            | 316.0u  | 5305                  | Yes       |
| 19                                    | 16               | 9.9u            | 402.0u  | 5306                  | Yes       |
| 20                                    | 17               | 6.9u            | 446.0u  | 5307                  | Yes       |
| 21                                    | 16               | 6.6u            | 451.0u  | 5308                  | Yes       |
| 22                                    | 16               | 8.2u            | 272.0u  | 5296                  | No        |
| 23                                    | 17               | 8.5u            | 395.0u  | 5297                  | Yes       |
| 24                                    | 17               | 8.4u            | 379.0u  | 5298                  | No        |
| 25                                    | 16               | 7.4u            | 292.0u  | 5299                  | Yes       |
| 26                                    | 16               | 9.8u            | 489.0u  | 5300                  | Yes       |
| 27                                    | 17               | 7.7u            | 375.0u  | 5301                  | Yes       |
| 28                                    | 16               | 7.7u            | 297.0u  | 5302                  | Yes       |
| 29                                    | 18               | 9.2u            | 347.0u  | 5303                  | Yes       |
| 30                                    | 16               | 6.9u            | 415.0u  | 5291                  | Yes       |
| Detection Rate: 86.7 %                |                  |                 |         |                       |           |

| Type 4 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 14               | 18.2u           | 402.0u  | 5291                  | Yes       |
| 2                                     | 13               | 14.5u           | 226.0u  | 5292                  | No        |
| 3                                     | 15               | 13.7u           | 340.0u  | 5293                  | Yes       |
| 4                                     | 16               | 12.2u           | 469.0u  | 5294                  | Yes       |
| 5                                     | 12               | 14.6u           | 220.0u  | 5295                  | Yes       |
| 6                                     | 15               | 17.0u           | 370.0u  | 5296                  | Yes       |
| 7                                     | 15               | 11.4u           | 458.0u  | 5297                  | Yes       |
| 8                                     | 13               | 11.6u           | 487.0u  | 5298                  | Yes       |
| 9                                     | 16               | 16.2u           | 202.0u  | 5299                  | Yes       |
| 10                                    | 15               | 19.8u           | 363.0u  | 5300                  | No        |
| 11                                    | 14               | 11.8u           | 424.0u  | 5301                  | Yes       |
| 12                                    | 14               | 18.0u           | 407.0u  | 5302                  | Yes       |
| 13                                    | 16               | 17.8u           | 256.0u  | 5303                  | Yes       |
| 14                                    | 16               | 13.1u           | 420.0u  | 5304                  | Yes       |
| 15                                    | 13               | 18.6u           | 243.0u  | 5302                  | Yes       |
| 16                                    | 14               | 13.4u           | 284.0u  | 5303                  | No        |
| 17                                    | 12               | 17.7u           | 410.0u  | 5304                  | Yes       |
| 18                                    | 15               | 19.3u           | 234.0u  | 5305                  | Yes       |
| 19                                    | 14               | 11.9u           | 411.0u  | 5306                  | Yes       |
| 20                                    | 16               | 13.4u           | 420.0u  | 5307                  | Yes       |
| 21                                    | 14               | 19.2u           | 235.0u  | 5308                  | Yes       |
| 22                                    | 14               | 15.2u           | 406.0u  | 5295                  | No        |
| 23                                    | 15               | 18.7u           | 408.0u  | 5296                  | Yes       |
| 24                                    | 13               | 16.1u           | 366.0u  | 5297                  | Yes       |
| 25                                    | 13               | 11.3u           | 369.0u  | 5298                  | Yes       |
| 26                                    | 14               | 17.1u           | 284.0u  | 5299                  | Yes       |
| 27                                    | 13               | 13.5u           | 495.0u  | 5300                  | Yes       |
| 28                                    | 15               | 16.8u           | 424.0u  | 5301                  | Yes       |
| 29                                    | 14               | 16.3u           | 322.0u  | 5302                  | Yes       |
| 30                                    | 13               | 13.0u           | 314.0u  | 5291                  | Yes       |
| Detection Rate: 86.7 %                |                  |                 |         |                       |           |

| Type 5 Radar Statistical Performances |                  |                      |
|---------------------------------------|------------------|----------------------|
| Trial #                               | Test Signal Name | Detection            |
| 1                                     | LP_Signal_01     | No                   |
| 2                                     | LP_Signal_02     | Yes                  |
| 3                                     | LP_Signal_03     | Yes                  |
| 4                                     | LP_Signal_04     | Yes                  |
| 5                                     | LP_Signal_05     | Yes                  |
| 6                                     | LP_Signal_06     | Yes                  |
| 7                                     | LP_Signal_07     | Yes                  |
| 8                                     | LP_Signal_08     | Yes                  |
| 9                                     | LP_Signal_09     | Yes                  |
| 10                                    | LP_Signal_10     | Yes                  |
| 11                                    | LP_Signal_11     | Yes                  |
| 12                                    | LP_Signal_12     | Yes                  |
| 13                                    | LP_Signal_13     | Yes                  |
| 14                                    | LP_Signal_14     | Yes                  |
| 15                                    | LP_Signal_15     | Yes                  |
| 16                                    | LP_Signal_16     | Yes                  |
| 17                                    | LP_Signal_17     | Yes                  |
| 18                                    | LP_Signal_18     | No                   |
| 19                                    | LP_Signal_19     | Yes                  |
| 20                                    | LP_Signal_20     | Yes                  |
| 21                                    | LP_Signal_21     | Yes                  |
| 22                                    | LP_Signal_22     | Yes                  |
| 23                                    | LP_Signal_23     | Yes                  |
| 24                                    | LP_Signal_24     | Yes                  |
| 25                                    | LP_Signal_25     | Yes                  |
| 26                                    | LP_Signal_26     | Yes                  |
| 27                                    | LP_Signal_27     | Yes                  |
| 28                                    | LP_Signal_28     | Yes                  |
| 29                                    | LP_Signal_29     | Yes                  |
| 30                                    | LP_Signal_30     | No                   |
|                                       |                  | Detection Rate: 90 % |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_01  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5293MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 5M            | 59.2u              | -                           | -                           | 243.0m                |
| 2                               | 2                   | 5M            | 94.5u              | 1.834m                      | -                           | 299.3m                |
| 3                               | 2                   | 5M            | 95.4u              | 1.641m                      | -                           | 566.0m                |
| 4                               | 3                   | 5M            | 59.5u              | 1.313m                      | 1.332m                      | 354.8m                |
| 5                               | 2                   | 5M            | 62.1u              | 1.158m                      | -                           | 618.4m                |
| 6                               | 3                   | 5M            | 73.9u              | 1.671m                      | 1.534m                      | 629.7m                |
| 7                               | 2                   | 5M            | 50.4u              | 1.155m                      | -                           | 384.7m                |
| 8                               | 3                   | 5M            | 62.7u              | 1.675m                      | 1.571m                      | 94.54m                |
| 9                               | 1                   | 5M            | 52.4u              | -                           | -                           | 45.93m                |
| 10                              | 3                   | 5M            | 55.9u              | 1.743m                      | 1.537m                      | 37.45m                |
| 11                              | 2                   | 5M            | 62.1u              | 1.725m                      | -                           | 173.9m                |
| 12                              | 3                   | 5M            | 65.1u              | 1.567m                      | 1.369m                      | 549.6m                |
| 13                              | 3                   | 5M            | 80.3u              | 1.548m                      | 1.117m                      | 530.8m                |
| 14                              | 2                   | 5M            | 85.5u              | 1.063m                      | -                           | 265.8m                |
| 15                              | 3                   | 5M            | 54.7u              | 1.134m                      | 1.657m                      | 49.43m                |
| 16                              | 2                   | 5M            | 85.8u              | 1.450m                      | -                           | 382.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_02  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 11   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5293MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 5M            | 77.4u              | 928.6u                      | 1.433m                      | 748.0m                |
| 2                               | 2                   | 5M            | 76.8u              | 1.792m                      | -                           | 106.4m                |
| 3                               | 2                   | 5M            | 80.6u              | 1.265m                      | -                           | 687.9m                |
| 4                               | 3                   | 5M            | 91.4u              | 1.357m                      | 1.842m                      | 327.9m                |
| 5                               | 3                   | 5M            | 90.0u              | 1.712m                      | 1.217m                      | 846.9m                |
| 6                               | 2                   | 5M            | 64.2u              | 1.792m                      | -                           | 764.9m                |
| 7                               | 2                   | 5M            | 97.3u              | 1.153m                      | -                           | 266.8m                |
| 8                               | 2                   | 5M            | 52.9u              | 952.1u                      | -                           | 132.9m                |
| 9                               | 3                   | 5M            | 95.0u              | 1.657m                      | 1.029m                      | 423.4m                |
| 10                              | 2                   | 5M            | 87.7u              | 1.304m                      | -                           | 303.7m                |
| 11                              | 3                   | 5M            | 69.8u              | 1.737m                      | 1.511m                      | 612.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_03  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5293MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 6M            | 58.3u              | 1.169m                      | 1.228m                      | 212.0m                |
| 2                               | 1                   | 6M            | 67.9u              | -                           | -                           | 683.3m                |
| 3                               | 2                   | 6M            | 76.5u              | 1.176m                      | -                           | 683.9m                |
| 4                               | 2                   | 6M            | 54.8u              | 1.298m                      | -                           | 490.2m                |
| 5                               | 3                   | 6M            | 79.2u              | 1.024m                      | 1.835m                      | 160.4m                |
| 6                               | 2                   | 6M            | 89.3u              | 1.805m                      | -                           | 653.3m                |
| 7                               | 1                   | 6M            | 77.2u              | -                           | -                           | 73.40m                |
| 8                               | 3                   | 6M            | 89.4u              | 1.249m                      | 1.228m                      | 589.4m                |
| 9                               | 3                   | 6M            | 97.7u              | 1.549m                      | 1.052m                      | 484.7m                |
| 10                              | 3                   | 6M            | 99.5u              | 1.824m                      | 1.045m                      | 490.8m                |
| 11                              | 2                   | 6M            | 62.4u              | 1.758m                      | -                           | 48.28m                |
| 12                              | 2                   | 6M            | 99.1u              | 1.202m                      | -                           | 270.9m                |
| 13                              | 3                   | 6M            | 92.6u              | 1.079m                      | 1.569m                      | 227.5m                |
| 14                              | 2                   | 6M            | 87.4u              | 1.359m                      | -                           | 577.4m                |
| 15                              | 1                   | 6M            | 81.1u              | -                           | -                           | 371.3m                |
| 16                              | 3                   | 6M            | 50.5u              | 1.117m                      | 996.5u                      | 19.19m                |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_04  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 15   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5293MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 1                | 6M         | 68.7u           | -                        | -                        | 13.44m             |
| 2                               | 1                | 6M         | 92.8u           | -                        | -                        | 618.8m             |
| 3                               | 2                | 6M         | 73.7u           | 1.459m                   | -                        | 424.4m             |
| 4                               | 2                | 6M         | 97.6u           | 1.294m                   | -                        | 736.2m             |
| 5                               | 1                | 6M         | 93.2u           | -                        | -                        | 795.7m             |
| 6                               | 2                | 6M         | 97.1u           | 1.871m                   | -                        | 787.0m             |
| 7                               | 2                | 6M         | 89.4u           | 948.6u                   | -                        | 601.5m             |
| 8                               | 2                | 6M         | 92.5u           | 922.5u                   | -                        | 499.5m             |
| 9                               | 2                | 6M         | 94.8u           | 1.066m                   | -                        | 562.5m             |
| 10                              | 2                | 6M         | 78.1u           | 1.629m                   | -                        | 68.89m             |
| 11                              | 1                | 6M         | 88.1u           | -                        | -                        | 749.7m             |
| 12                              | 3                | 6M         | 98.0u           | 1.708m                   | 999.0u                   | 541.0m             |
| 13                              | 2                | 6M         | 74.6u           | 1.001m                   | -                        | 9.908m             |
| 14                              | 1                | 6M         | 80.3u           | -                        | -                        | 107.8m             |
| 15                              | 1                | 6M         | 66.7u           | -                        | -                        | 643.2m             |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_05  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 10   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5293MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 2                | 7M         | 55.6u           | 1.308m                   | -                        | 946.0m             |
| 2                               | 2                | 7M         | 90.3u           | 1.109m                   | -                        | 586.0m             |
| 3                               | 3                | 7M         | 75.1u           | 1.179m                   | 1.124m                   | 427.1m             |
| 4                               | 3                | 7M         | 86.1u           | 1.371m                   | 1.270m                   | 375.9m             |
| 5                               | 2                | 7M         | 89.1u           | 1.058m                   | -                        | 615.5m             |
| 6                               | 2                | 7M         | 76.9u           | 1.774m                   | -                        | 247.3m             |
| 7                               | 2                | 7M         | 64.3u           | 1.929m                   | -                        | 1.055              |
| 8                               | 3                | 7M         | 61.7u           | 1.387m                   | 1.721m                   | 167.4m             |
| 9                               | 2                | 7M         | 95.7u           | 1.831m                   | -                        | 305.4m             |
| 10                              | 3                | 7M         | 84.7u           | 1.764m                   | 1.195m                   | 294.9m             |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_06  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 14   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5293MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 7M            | 61.1u              | 1.316m                      | 1.353m                      | 376.4m                |
| 2                               | 2                   | 7M            | 69.8u              | 1.577m                      | -                           | 775.8m                |
| 3                               | 3                   | 7M            | 83.7u              | 1.741m                      | 1.014m                      | 812.2m                |
| 4                               | 3                   | 7M            | 93.6u              | 933.4u                      | 990.4u                      | 456.3m                |
| 5                               | 1                   | 7M            | 88.6u              | -                           | -                           | 210.5m                |
| 6                               | 1                   | 7M            | 71.2u              | -                           | -                           | 415.3m                |
| 7                               | 2                   | 7M            | 64.3u              | 1.046m                      | -                           | 215.6m                |
| 8                               | 1                   | 7M            | 67.5u              | -                           | -                           | 630.2m                |
| 9                               | 1                   | 7M            | 66.7u              | -                           | -                           | 332.1m                |
| 10                              | 1                   | 7M            | 73.9u              | -                           | -                           | 254.5m                |
| 11                              | 2                   | 7M            | 68.8u              | 1.006m                      | -                           | 808.5m                |
| 12                              | 2                   | 7M            | 51.4u              | 1.834m                      | -                           | 352.5m                |
| 13                              | 2                   | 7M            | 60.3u              | 1.317m                      | -                           | 643.1m                |
| 14                              | 1                   | 7M            | 84.8u              | -                           | -                           | 743.2m                |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_07  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 13   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5297MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 15M           | 58.8u              | -                           | -                           | 24.59m                |
| 2                               | 2                   | 15M           | 70.7u              | 1.396m                      | -                           | 679.2m                |
| 3                               | 2                   | 15M           | 73.6u              | 1.819m                      | -                           | 117.6m                |
| 4                               | 2                   | 15M           | 61.6u              | 1.469m                      | -                           | 619.5m                |
| 5                               | 2                   | 15M           | 94.1u              | 1.818m                      | -                           | 334.8m                |
| 6                               | 2                   | 15M           | 75.1u              | 1.779m                      | -                           | 356.5m                |
| 7                               | 2                   | 15M           | 72.8u              | 1.892m                      | -                           | 109.8m                |
| 8                               | 1                   | 15M           | 60.6u              | -                           | -                           | 347.6m                |
| 9                               | 1                   | 15M           | 78.3u              | -                           | -                           | 296.3m                |
| 10                              | 1                   | 15M           | 92.8u              | -                           | -                           | 611.0m                |
| 11                              | 2                   | 15M           | 87.0u              | 1.901m                      | -                           | 64.79m                |
| 12                              | 2                   | 15M           | 98.1u              | 1.888m                      | -                           | 304.4m                |
| 13                              | 2                   | 15M           | 53.2u              | 1.031m                      | -                           | 667.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_08  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 8    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5297MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 15M           | 86.3u              | 1.743m                      | 985.7u                      | 297.0m                |
| 2                               | 1                   | 15M           | 66.0u              | -                           | -                           | 1.473                 |
| 3                               | 3                   | 15M           | 67.9u              | 1.531m                      | 1.717m                      | 438.4m                |
| 4                               | 3                   | 15M           | 86.6u              | 1.433m                      | 1.491m                      | 650.2m                |
| 5                               | 2                   | 15M           | 59.3u              | 1.648m                      | -                           | 773.9m                |
| 6                               | 2                   | 15M           | 60.7u              | 1.384m                      | -                           | 278.3m                |
| 7                               | 2                   | 15M           | 58.5u              | 1.114m                      | -                           | 1.321                 |
| 8                               | 2                   | 15M           | 88.9u              | 920.1u                      | -                           | 360.9m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_09  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5299MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 80.2u              | 1.739m                      | -                           | 720.6m                |
| 2                               | 3                   | 20M           | 50.1u              | 1.816m                      | 1.933m                      | 558.9m                |
| 3                               | 1                   | 20M           | 96.2u              | -                           | -                           | 211.8m                |
| 4                               | 3                   | 20M           | 72.6u              | 1.275m                      | 1.410m                      | 628.1m                |
| 5                               | 2                   | 20M           | 92.6u              | 1.262m                      | -                           | 295.1m                |
| 6                               | 2                   | 20M           | 70.1u              | 1.814m                      | -                           | 404.0m                |
| 7                               | 2                   | 20M           | 96.2u              | 1.463m                      | -                           | 89.45m                |
| 8                               | 2                   | 20M           | 78.6u              | 1.436m                      | -                           | 275.4m                |
| 9                               | 2                   | 20M           | 85.9u              | 1.077m                      | -                           | 726.5m                |
| 10                              | 3                   | 20M           | 86.3u              | 1.689m                      | 1.395m                      | 279.8m                |
| 11                              | 1                   | 20M           | 88.0u              | -                           | -                           | 142.6m                |
| 12                              | 3                   | 20M           | 58.3u              | 1.051m                      | 995.7u                      | 248.6m                |
| 13                              | 2                   | 20M           | 95.3u              | 1.642m                      | -                           | 392.4m                |
| 14                              | 3                   | 20M           | 93.1u              | 1.100m                      | 1.481m                      | 639.1m                |
| 15                              | 1                   | 20M           | 96.7u              | -                           | -                           | 614.9m                |
| 16                              | 2                   | 20M           | 67.1u              | 1.370m                      | -                           | 471.2m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_10  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5299MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 98.6u              | 1.198m                      | -                           | 344.9m                |
| 2                               | 2                   | 20M           | 57.6u              | 961.4u                      | -                           | 641.7m                |
| 3                               | 1                   | 20M           | 56.4u              | -                           | -                           | 308.8m                |
| 4                               | 1                   | 20M           | 81.4u              | -                           | -                           | 180.2m                |
| 5                               | 1                   | 20M           | 61.8u              | -                           | -                           | 297.7m                |
| 6                               | 2                   | 20M           | 90.4u              | 1.563m                      | -                           | 282.9m                |
| 7                               | 3                   | 20M           | 68.8u              | 1.515m                      | 1.370m                      | 37.46m                |
| 8                               | 1                   | 20M           | 73.9u              | -                           | -                           | 475.8m                |
| 9                               | 2                   | 20M           | 68.4u              | 1.684m                      | -                           | 117.5m                |
| 10                              | 3                   | 20M           | 95.4u              | 1.490m                      | 1.735m                      | 155.9m                |
| 11                              | 1                   | 20M           | 70.9u              | -                           | -                           | 253.8m                |
| 12                              | 1                   | 20M           | 94.7u              | -                           | -                           | 356.0m                |
| 13                              | 3                   | 20M           | 76.9u              | 1.750m                      | 1.203m                      | 56.37m                |
| 14                              | 3                   | 20M           | 80.6u              | 1.024m                      | 1.881m                      | 588.3m                |
| 15                              | 2                   | 20M           | 87.2u              | 1.015m                      | -                           | 223.6m                |
| 16                              | 2                   | 20M           | 85.9u              | 1.898m                      | -                           | 380.5m                |
| 17                              | 1                   | 20M           | 62.9u              | -                           | -                           | 127.1m                |
| 18                              | 2                   | 20M           | 96.3u              | 1.532m                      | -                           | 541.3m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_11  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5300MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 6M            | 74.4u              | -                           | -                           | 870.4m                |
| 2                               | 2                   | 6M            | 73.0u              | 1.799m                      | -                           | 254.4m                |
| 3                               | 1                   | 6M            | 69.1u              | -                           | -                           | 695.0m                |
| 4                               | 2                   | 6M            | 80.4u              | 1.729m                      | -                           | 818.0m                |
| 5                               | 2                   | 6M            | 80.1u              | 1.222m                      | -                           | 775.0m                |
| 6                               | 3                   | 6M            | 61.6u              | 1.022m                      | 1.568m                      | 773.7m                |
| 7                               | 2                   | 6M            | 72.5u              | 1.562m                      | -                           | 260.7m                |
| 8                               | 3                   | 6M            | 69.9u              | 1.863m                      | 1.712m                      | 187.4m                |
| 9                               | 2                   | 6M            | 98.9u              | 1.750m                      | -                           | 407.2m                |
| 10                              | 1                   | 6M            | 86.5u              | -                           | -                           | 242.1m                |
| 11                              | 2                   | 6M            | 67.5u              | 1.178m                      | -                           | 608.3m                |
| 12                              | 3                   | 6M            | 85.8u              | 1.665m                      | 1.754m                      | 944.7m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_12  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5300MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 6M            | 63.2u              | -                           | -                           | 639.7m                |
| 2                               | 3                   | 6M            | 51.2u              | 1.477m                      | 1.835m                      | 678.8m                |
| 3                               | 3                   | 6M            | 64.0u              | 1.440m                      | 1.154m                      | 534.7m                |
| 4                               | 2                   | 6M            | 70.2u              | 1.135m                      | -                           | 1.023                 |
| 5                               | 2                   | 6M            | 82.2u              | 1.368m                      | -                           | 565.5m                |
| 6                               | 2                   | 6M            | 90.8u              | 1.524m                      | -                           | 59.60m                |
| 7                               | 2                   | 6M            | 61.5u              | 985.5u                      | -                           | 1.004                 |
| 8                               | 1                   | 6M            | 52.3u              | -                           | -                           | 775.3m                |
| 9                               | 3                   | 6M            | 75.8u              | 1.274m                      | 1.399m                      | 123.2m                |
| 10                              | 1                   | 6M            | 83.4u              | -                           | -                           | 1.109                 |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_13  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 8    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5300MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 11M           | 84.4u              | 1.421m                      | -                           | 801.3m                |
| 2                               | 3                   | 11M           | 70.4u              | 1.837m                      | 1.413m                      | 694.8m                |
| 3                               | 1                   | 11M           | 56.8u              | -                           | -                           | 852.3m                |
| 4                               | 2                   | 11M           | 88.3u              | 1.609m                      | -                           | 214.6m                |
| 5                               | 3                   | 11M           | 63.4u              | 1.206m                      | 1.734m                      | 788.8m                |
| 6                               | 3                   | 11M           | 66.9u              | 942.1u                      | 1.551m                      | 502.0m                |
| 7                               | 3                   | 11M           | 67.8u              | 938.2u                      | 1.580m                      | 404.8m                |
| 8                               | 2                   | 11M           | 68.5u              | 1.233m                      | -                           | 191.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_14  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5300MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 11M           | 83.2u              | -                           | -                           | 45.94m                |
| 2                               | 2                   | 11M           | 64.2u              | 1.124m                      | -                           | 371.8m                |
| 3                               | 2                   | 11M           | 93.6u              | 1.066m                      | -                           | 35.45m                |
| 4                               | 2                   | 11M           | 81.4u              | 1.900m                      | -                           | 379.4m                |
| 5                               | 2                   | 11M           | 72.5u              | 1.373m                      | -                           | 425.9m                |
| 6                               | 2                   | 11M           | 63.2u              | 1.827m                      | -                           | 395.1m                |
| 7                               | 3                   | 11M           | 78.0u              | 1.366m                      | 1.019m                      | 157.6m                |
| 8                               | 1                   | 11M           | 70.4u              | -                           | -                           | 237.3m                |
| 9                               | 3                   | 11M           | 62.4u              | 1.269m                      | 1.701m                      | 582.7m                |
| 10                              | 1                   | 11M           | 85.8u              | -                           | -                           | 223.0m                |
| 11                              | 3                   | 11M           | 57.4u              | 1.075m                      | 1.909m                      | 626.8m                |
| 12                              | 2                   | 11M           | 66.5u              | 1.637m                      | -                           | 578.6m                |
| 13                              | 3                   | 11M           | 52.8u              | 1.165m                      | 1.623m                      | 626.6m                |
| 14                              | 3                   | 11M           | 51.0u              | 1.021m                      | 1.068m                      | 482.0m                |
| 15                              | 1                   | 11M           | 52.0u              | -                           | -                           | 471.8m                |
| 16                              | 2                   | 11M           | 72.0u              | 1.694m                      | -                           | 284.8m                |
| 17                              | 2                   | 11M           | 58.9u              | 1.920m                      | -                           | 155.7m                |
| 18                              | 3                   | 11M           | 84.2u              | 1.879m                      | 1.077m                      | 352.7m                |
| 19                              | 2                   | 11M           | 51.5u              | 1.504m                      | -                           | 605.5m                |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_15

Number of Bursts in Trial: 11

Chrip Center Frequency: 5300MHz

| Burst | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
|-------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| 1     | 2                   | 16M           | 60.9u              | 1.685m                      | -                           | 1.030                 |
| 2     | 2                   | 16M           | 86.8u              | 1.363m                      | -                           | 1.069                 |
| 3     | 2                   | 16M           | 95.4u              | 1.521m                      | -                           | 296.1m                |
| 4     | 3                   | 16M           | 73.5u              | 1.628m                      | 1.226m                      | 377.5m                |
| 5     | 2                   | 16M           | 67.5u              | 1.036m                      | -                           | 644.9m                |
| 6     | 3                   | 16M           | 65.5u              | 1.798m                      | 1.561m                      | 766.1m                |
| 7     | 3                   | 16M           | 95.9u              | 1.094m                      | 1.242m                      | 537.2m                |
| 8     | 2                   | 16M           | 96.2u              | 1.578m                      | -                           | 172.3m                |
| 9     | 2                   | 16M           | 90.4u              | 1.274m                      | -                           | 256.1m                |
| 10    | 2                   | 16M           | 90.1u              | 1.319m                      | -                           | 842.4m                |
| 11    | 2                   | 16M           | 59.3u              | 1.600m                      | -                           | 728.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_16  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5300MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 16M           | 53.9u              | -                           | -                           | 653.0m                |
| 2                               | 3                   | 16M           | 87.4u              | 1.140m                      | 1.207m                      | 109.0m                |
| 3                               | 2                   | 16M           | 56.0u              | 1.104m                      | -                           | 462.3m                |
| 4                               | 2                   | 16M           | 62.5u              | 1.625m                      | -                           | 704.3m                |
| 5                               | 2                   | 16M           | 66.7u              | 1.202m                      | -                           | 296.4m                |
| 6                               | 2                   | 16M           | 65.6u              | 1.571m                      | -                           | 169.5m                |
| 7                               | 2                   | 16M           | 65.2u              | 1.889m                      | -                           | 703.7m                |
| 8                               | 1                   | 16M           | 67.4u              | -                           | -                           | 78.58m                |
| 9                               | 3                   | 16M           | 70.1u              | 1.820m                      | 1.460m                      | 419.9m                |
| 10                              | 2                   | 16M           | 62.3u              | 1.636m                      | -                           | 7.821m                |
| 11                              | 3                   | 16M           | 79.8u              | 1.442m                      | 1.551m                      | 384.2m                |
| 12                              | 1                   | 16M           | 81.4u              | -                           | -                           | 378.9m                |
| 13                              | 2                   | 16M           | 75.0u              | 1.336m                      | -                           | 742.0m                |
| 14                              | 2                   | 16M           | 74.3u              | 1.487m                      | -                           | 726.4m                |
| 15                              | 3                   | 16M           | 88.8u              | 1.772m                      | 1.153m                      | 168.4m                |
| 16                              | 3                   | 16M           | 67.7u              | 1.248m                      | 1.211m                      | 647.3m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_17  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 9    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5300MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 18M           | 50.9u              | 1.721m                      | 1.677m                      | 787.1m                |
| 2                               | 2                   | 18M           | 70.9u              | 1.645m                      | -                           | 357.8m                |
| 3                               | 2                   | 18M           | 61.2u              | 1.863m                      | -                           | 730.2m                |
| 4                               | 3                   | 18M           | 55.6u              | 1.573m                      | 1.305m                      | 472.0m                |
| 5                               | 2                   | 18M           | 61.9u              | 1.421m                      | -                           | 88.96m                |
| 6                               | 1                   | 18M           | 52.6u              | -                           | -                           | 911.3m                |
| 7                               | 3                   | 18M           | 60.7u              | 1.420m                      | 1.845m                      | 81.67m                |
| 8                               | 2                   | 18M           | 76.7u              | 1.616m                      | -                           | 600.1m                |
| 9                               | 1                   | 18M           | 82.1u              | -                           | -                           | 1.017                 |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_18  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5300MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 18M           | 52.0u              | 963.0u                      | 1.272m                      | 607.1m                |
| 2                               | 2                   | 18M           | 94.7u              | 1.569m                      | -                           | 970.0m                |
| 3                               | 2                   | 18M           | 81.7u              | 1.783m                      | -                           | 405.2m                |
| 4                               | 1                   | 18M           | 79.0u              | -                           | -                           | 481.4m                |
| 5                               | 3                   | 18M           | 68.5u              | 1.228m                      | 1.226m                      | 689.8m                |
| 6                               | 2                   | 18M           | 54.6u              | 1.639m                      | -                           | 657.6m                |
| 7                               | 1                   | 18M           | 68.1u              | -                           | -                           | 841.1m                |
| 8                               | 1                   | 18M           | 89.8u              | -                           | -                           | 916.7m                |
| 9                               | 1                   | 18M           | 69.1u              | -                           | -                           | 211.7m                |
| 10                              | 1                   | 18M           | 97.8u              | -                           | -                           | 374.1m                |
| 11                              | 2                   | 18M           | 96.3u              | 1.242m                      | -                           | 457.4m                |
| 12                              | 3                   | 18M           | 95.6u              | 981.4u                      | 1.107m                      | 828.4m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_19  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5300MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 78.6u              | 1.551m                      | -                           | 833.2m                |
| 2                               | 2                   | 20M           | 51.6u              | 990.4u                      | -                           | 825.2m                |
| 3                               | 2                   | 20M           | 86.8u              | 1.097m                      | -                           | 809.6m                |
| 4                               | 1                   | 20M           | 60.5u              | -                           | -                           | 792.9m                |
| 5                               | 2                   | 20M           | 54.9u              | 1.783m                      | -                           | 491.4m                |
| 6                               | 2                   | 20M           | 75.7u              | 1.245m                      | -                           | 717.7m                |
| 7                               | 2                   | 20M           | 55.0u              | 1.513m                      | -                           | 1.155                 |
| 8                               | 2                   | 20M           | 79.2u              | 955.8u                      | -                           | 118.6m                |
| 9                               | 1                   | 20M           | 56.4u              | -                           | -                           | 881.1m                |
| 10                              | 1                   | 20M           | 97.7u              | -                           | -                           | 978.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_20  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 20   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5300MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 63.1u              | 1.352m                      | -                           | 165.6m                |
| 2                               | 2                   | 20M           | 58.9u              | 1.458m                      | -                           | 231.2m                |
| 3                               | 2                   | 20M           | 77.9u              | 1.812m                      | -                           | 578.2m                |
| 4                               | 2                   | 20M           | 55.4u              | 1.834m                      | -                           | 493.0m                |
| 5                               | 3                   | 20M           | 93.5u              | 1.337m                      | 1.895m                      | 207.5m                |
| 6                               | 2                   | 20M           | 92.8u              | 1.212m                      | -                           | 161.6m                |
| 7                               | 3                   | 20M           | 60.2u              | 1.500m                      | 1.299m                      | 450.6m                |
| 8                               | 3                   | 20M           | 92.9u              | 980.1u                      | 1.224m                      | 70.72m                |
| 9                               | 3                   | 20M           | 68.5u              | 1.737m                      | 1.169m                      | 263.0m                |
| 10                              | 2                   | 20M           | 85.6u              | 967.4u                      | -                           | 128.5m                |
| 11                              | 2                   | 20M           | 85.4u              | 1.165m                      | -                           | 495.9m                |
| 12                              | 2                   | 20M           | 68.2u              | 1.498m                      | -                           | 88.26m                |
| 13                              | 2                   | 20M           | 66.6u              | 1.769m                      | -                           | 10.88m                |
| 14                              | 3                   | 20M           | 56.7u              | 1.517m                      | 1.056m                      | 393.2m                |
| 15                              | 1                   | 20M           | 61.9u              | -                           | -                           | 488.3m                |
| 16                              | 3                   | 20M           | 92.9u              | 1.185m                      | 1.163m                      | 309.7m                |
| 17                              | 2                   | 20M           | 59.6u              | 1.139m                      | -                           | 243.6m                |
| 18                              | 3                   | 20M           | 71.4u              | 1.337m                      | 1.026m                      | 381.3m                |
| 19                              | 3                   | 20M           | 66.5u              | 1.886m                      | 1.669m                      | 75.38m                |
| 20                              | 1                   | 20M           | 99.2u              | -                           | -                           | 205.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_21  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5307MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 5M            | 59.2u              | -                           | -                           | 243.0m                |
| 2                               | 2                   | 5M            | 94.5u              | 1.834m                      | -                           | 299.3m                |
| 3                               | 2                   | 5M            | 95.4u              | 1.641m                      | -                           | 566.0m                |
| 4                               | 3                   | 5M            | 59.5u              | 1.313m                      | 1.332m                      | 354.8m                |
| 5                               | 2                   | 5M            | 62.1u              | 1.158m                      | -                           | 618.4m                |
| 6                               | 3                   | 5M            | 73.9u              | 1.671m                      | 1.534m                      | 629.7m                |
| 7                               | 2                   | 5M            | 50.4u              | 1.155m                      | -                           | 384.7m                |
| 8                               | 3                   | 5M            | 62.7u              | 1.675m                      | 1.571m                      | 94.54m                |
| 9                               | 1                   | 5M            | 52.4u              | -                           | -                           | 45.93m                |
| 10                              | 3                   | 5M            | 55.9u              | 1.743m                      | 1.537m                      | 37.45m                |
| 11                              | 2                   | 5M            | 62.1u              | 1.725m                      | -                           | 173.9m                |
| 12                              | 3                   | 5M            | 65.1u              | 1.567m                      | 1.369m                      | 549.6m                |
| 13                              | 3                   | 5M            | 80.3u              | 1.548m                      | 1.117m                      | 530.8m                |
| 14                              | 2                   | 5M            | 85.5u              | 1.063m                      | -                           | 265.8m                |
| 15                              | 3                   | 5M            | 54.7u              | 1.134m                      | 1.657m                      | 49.43m                |
| 16                              | 2                   | 5M            | 85.8u              | 1.450m                      | -                           | 382.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_22  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5307MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 5M            | 61.2u              | 1.793m                      | 1.857m                      | 398.8m                |
| 2                               | 1                   | 5M            | 53.7u              | -                           | -                           | 300.3m                |
| 3                               | 2                   | 5M            | 82.7u              | 1.900m                      | -                           | 154.0m                |
| 4                               | 3                   | 5M            | 98.8u              | 1.369m                      | 1.879m                      | 7.212m                |
| 5                               | 2                   | 5M            | 54.9u              | 1.516m                      | -                           | 475.2m                |
| 6                               | 3                   | 5M            | 57.2u              | 1.640m                      | 1.396m                      | 427.7m                |
| 7                               | 2                   | 5M            | 91.6u              | 1.507m                      | -                           | 435.3m                |
| 8                               | 2                   | 5M            | 69.8u              | 1.897m                      | -                           | 349.7m                |
| 9                               | 2                   | 5M            | 58.1u              | 1.668m                      | -                           | 584.4m                |
| 10                              | 2                   | 5M            | 81.6u              | 1.380m                      | -                           | 184.8m                |
| 11                              | 2                   | 5M            | 57.5u              | 1.242m                      | -                           | 221.2m                |
| 12                              | 3                   | 5M            | 92.2u              | 1.227m                      | 913.8u                      | 353.3m                |
| 13                              | 2                   | 5M            | 81.9u              | 1.129m                      | -                           | 486.4m                |
| 14                              | 2                   | 5M            | 66.9u              | 1.395m                      | -                           | 235.5m                |
| 15                              | 1                   | 5M            | 67.9u              | -                           | -                           | 415.5m                |
| 16                              | 3                   | 5M            | 99.2u              | 1.884m                      | 1.803m                      | 462.9m                |
| 17                              | 2                   | 5M            | 71.2u              | 1.043m                      | -                           | 214.2m                |
| 18                              | 1                   | 5M            | 70.9u              | -                           | -                           | 379.4m                |
| 19                              | 2                   | 5M            | 68.8u              | 1.209m                      | -                           | 322.3m                |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_23  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 10   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5305MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 2                | 10M        | 77.1u           | 1.267m                   | -                        | 774.1m             |
| 2                               | 3                | 10M        | 99.8u           | 1.558m                   | 1.032m                   | 769.0m             |
| 3                               | 2                | 10M        | 73.2u           | 1.204m                   | -                        | 760.7m             |
| 4                               | 3                | 10M        | 74.0u           | 1.642m                   | 1.403m                   | 202.1m             |
| 5                               | 2                | 10M        | 61.7u           | 982.3u                   | -                        | 236.2m             |
| 6                               | 2                | 10M        | 68.4u           | 1.120m                   | -                        | 889.3m             |
| 7                               | 2                | 10M        | 98.4u           | 1.604m                   | -                        | 192.4m             |
| 8                               | 2                | 10M        | 72.5u           | 1.756m                   | -                        | 721.2m             |
| 9                               | 3                | 10M        | 52.4u           | 1.480m                   | 1.691m                   | 405.5m             |
| 10                              | 3                | 10M        | 96.6u           | 1.397m                   | 1.029m                   | 235.6m             |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_24  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 9    |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5305MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 3                | 10M        | 80.2u           | 1.716m                   | 1.208m                   | 458.3m             |
| 2                               | 2                | 10M        | 99.0u           | 1.877m                   | -                        | 80.24m             |
| 3                               | 1                | 10M        | 70.5u           | -                        | -                        | 705.0m             |
| 4                               | 1                | 10M        | 88.3u           | -                        | -                        | 69.65m             |
| 5                               | 2                | 10M        | 56.4u           | 1.516m                   | -                        | 922.0m             |
| 6                               | 1                | 10M        | 100.0u          | -                        | -                        | 179.3m             |
| 7                               | 2                | 10M        | 58.2u           | 994.8u                   | -                        | 1.187              |
| 8                               | 1                | 10M        | 98.0u           | -                        | -                        | 223.9m             |
| 9                               | 1                | 10M        | 92.7u           | -                        | -                        | 927.1m             |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_25  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 10   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5303MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 2                | 15M        | 94.0u           | 1.223m                   | -                        | 602.5m             |
| 2                               | 1                | 15M        | 72.8u           | -                        | -                        | 973.3m             |
| 3                               | 1                | 15M        | 53.8u           | -                        | -                        | 901.9m             |
| 4                               | 2                | 15M        | 62.4u           | 1.292m                   | -                        | 937.5m             |
| 5                               | 2                | 15M        | 78.8u           | 1.014m                   | -                        | 731.3m             |
| 6                               | 2                | 15M        | 93.5u           | 1.149m                   | -                        | 20.15m             |
| 7                               | 1                | 15M        | 61.8u           | -                        | -                        | 620.4m             |
| 8                               | 3                | 15M        | 82.0u           | 1.788m                   | 1.001m                   | 82.34m             |
| 9                               | 1                | 15M        | 63.6u           | -                        | -                        | 891.7m             |
| 10                              | 2                | 15M        | 76.7u           | 1.229m                   | -                        | 49.96m             |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_26  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 11   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5303MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 1                | 15M        | 84.4u           | -                        | -                        | 558.9m             |
| 2                               | 2                | 15M        | 74.4u           | 1.227m                   | -                        | 40.96m             |
| 3                               | 3                | 15M        | 59.9u           | 1.513m                   | 1.461m                   | 466.4m             |
| 4                               | 1                | 15M        | 54.6u           | -                        | -                        | 934.1m             |
| 5                               | 2                | 15M        | 56.2u           | 1.306m                   | -                        | 791.5m             |
| 6                               | 2                | 15M        | 80.1u           | 1.693m                   | -                        | 378.4m             |
| 7                               | 2                | 15M        | 50.2u           | 1.675m                   | -                        | 844.0m             |
| 8                               | 2                | 15M        | 89.6u           | 1.641m                   | -                        | 762.8m             |
| 9                               | 1                | 15M        | 81.8u           | -                        | -                        | 133.1m             |
| 10                              | 1                | 15M        | 89.0u           | -                        | -                        | 56.12m             |
| 11                              | 1                | 15M        | 62.1u           | -                        | -                        | 784.8m             |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_27  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 17   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5302MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 18M           | 99.1u              | -                           | -                           | 365.0m                |
| 2                               | 2                   | 18M           | 80.2u              | 1.073m                      | -                           | 218.9m                |
| 3                               | 1                   | 18M           | 98.4u              | -                           | -                           | 62.40m                |
| 4                               | 2                   | 18M           | 79.9u              | 924.1u                      | -                           | 28.38m                |
| 5                               | 3                   | 18M           | 85.7u              | 1.729m                      | 1.103m                      | 59.49m                |
| 6                               | 3                   | 18M           | 83.1u              | 1.033m                      | 1.823m                      | 360.0m                |
| 7                               | 1                   | 18M           | 93.9u              | -                           | -                           | 207.7m                |
| 8                               | 2                   | 18M           | 92.9u              | 1.657m                      | -                           | 307.2m                |
| 9                               | 2                   | 18M           | 93.9u              | 1.164m                      | -                           | 269.1m                |
| 10                              | 3                   | 18M           | 71.8u              | 1.516m                      | 1.207m                      | 433.3m                |
| 11                              | 2                   | 18M           | 60.1u              | 1.913m                      | -                           | 334.1m                |
| 12                              | 2                   | 18M           | 65.1u              | 1.569m                      | -                           | 471.0m                |
| 13                              | 2                   | 18M           | 70.1u              | 1.020m                      | -                           | 403.4m                |
| 14                              | 2                   | 18M           | 54.7u              | 1.505m                      | -                           | 537.2m                |
| 15                              | 2                   | 18M           | 71.7u              | 1.764m                      | -                           | 569.9m                |
| 16                              | 2                   | 18M           | 98.5u              | 1.729m                      | -                           | 505.7m                |
| 17                              | 2                   | 18M           | 90.2u              | 1.677m                      | -                           | 644.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_28  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5302MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 18M           | 91.4u              | -                           | -                           | 1.193                 |
| 2                               | 2                   | 18M           | 59.0u              | 1.416m                      | -                           | 691.9m                |
| 3                               | 3                   | 18M           | 75.5u              | 1.576m                      | 1.710m                      | 949.0m                |
| 4                               | 3                   | 18M           | 57.2u              | 1.495m                      | 1.274m                      | 98.67m                |
| 5                               | 2                   | 18M           | 86.9u              | 1.499m                      | -                           | 1.077                 |
| 6                               | 3                   | 18M           | 59.2u              | 1.913m                      | 1.856m                      | 327.0m                |
| 7                               | 1                   | 18M           | 79.4u              | -                           | -                           | 681.2m                |
| 8                               | 3                   | 18M           | 98.1u              | 1.764m                      | 1.499m                      | 780.6m                |
| 9                               | 2                   | 18M           | 79.1u              | 1.785m                      | -                           | 22.12m                |
| 10                              | 3                   | 18M           | 75.5u              | 1.187m                      | 1.373m                      | 229.5m                |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_29  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5301MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 80.2u              | 1.739m                      | -                           | 720.6m                |
| 2                               | 3                   | 20M           | 50.1u              | 1.816m                      | 1.933m                      | 558.9m                |
| 3                               | 1                   | 20M           | 96.2u              | -                           | -                           | 211.8m                |
| 4                               | 3                   | 20M           | 72.6u              | 1.275m                      | 1.410m                      | 628.1m                |
| 5                               | 2                   | 20M           | 92.6u              | 1.262m                      | -                           | 295.1m                |
| 6                               | 2                   | 20M           | 70.1u              | 1.814m                      | -                           | 404.0m                |
| 7                               | 2                   | 20M           | 96.2u              | 1.463m                      | -                           | 89.45m                |
| 8                               | 2                   | 20M           | 78.6u              | 1.436m                      | -                           | 275.4m                |
| 9                               | 2                   | 20M           | 85.9u              | 1.077m                      | -                           | 726.5m                |
| 10                              | 3                   | 20M           | 86.3u              | 1.689m                      | 1.395m                      | 279.8m                |
| 11                              | 1                   | 20M           | 88.0u              | -                           | -                           | 142.6m                |
| 12                              | 3                   | 20M           | 58.3u              | 1.051m                      | 995.7u                      | 248.6m                |
| 13                              | 2                   | 20M           | 95.3u              | 1.642m                      | -                           | 392.4m                |
| 14                              | 3                   | 20M           | 93.1u              | 1.100m                      | 1.481m                      | 639.1m                |
| 15                              | 1                   | 20M           | 96.7u              | -                           | -                           | 614.9m                |
| 16                              | 2                   | 20M           | 67.1u              | 1.370m                      | -                           | 471.2m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_30  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5301MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 98.1u              | 1.220m                      | -                           | 507.2m                |
| 2                               | 2                   | 20M           | 73.5u              | 1.910m                      | -                           | 227.2m                |
| 3                               | 2                   | 20M           | 98.2u              | 1.506m                      | -                           | 631.2m                |
| 4                               | 3                   | 20M           | 97.9u              | 1.595m                      | 1.851m                      | 164.0m                |
| 5                               | 1                   | 20M           | 92.9u              | -                           | -                           | 45.06m                |
| 6                               | 2                   | 20M           | 76.6u              | 1.260m                      | -                           | 601.8m                |
| 7                               | 2                   | 20M           | 68.1u              | 1.217m                      | -                           | 342.9m                |
| 8                               | 1                   | 20M           | 53.3u              | -                           | -                           | 86.38m                |
| 9                               | 2                   | 20M           | 58.0u              | 978.0u                      | -                           | 75.50m                |
| 10                              | 1                   | 20M           | 66.6u              | -                           | -                           | 328.5m                |
| 11                              | 3                   | 20M           | 69.0u              | 1.388m                      | 1.330m                      | 707.6m                |
| 12                              | 2                   | 20M           | 68.3u              | 1.450m                      | -                           | 328.0m                |
| 13                              | 3                   | 20M           | 99.1u              | 1.752m                      | 1.303m                      | 426.0m                |
| 14                              | 1                   | 20M           | 94.8u              | -                           | -                           | 632.9m                |
| 15                              | 1                   | 20M           | 99.7u              | -                           | -                           | 169.8m                |
| 16                              | 1                   | 20M           | 51.5u              | -                           | -                           | 455.1m                |

| Type 6 Radar Statistical Performances |                  |                 |         |           |
|---------------------------------------|------------------|-----------------|---------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Detection |
| 1                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 2                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 3                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 4                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 5                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 6                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 7                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 8                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 9                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 10                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 11                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 12                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 13                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 14                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 15                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 16                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 17                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 18                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 19                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 20                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 21                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 22                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 23                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 24                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 25                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 26                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 27                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 28                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 29                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 30                                    | 9                | 1.0u            | 333.0u  | Yes       |
| Detection Rate: 100.0 %               |                  |                 |         |           |

| Type 6 Radar Statistical Performances |                                 |                         |
|---------------------------------------|---------------------------------|-------------------------|
| Trial #                               | Hopping Frequency Sequence Name | Detection               |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes                     |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes                     |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes                     |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes                     |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes                     |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes                     |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes                     |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes                     |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes                     |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes                     |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes                     |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes                     |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes                     |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes                     |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes                     |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes                     |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes                     |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes                     |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes                     |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes                     |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes                     |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes                     |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes                     |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes                     |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes                     |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes                     |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes                     |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes                     |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes                     |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes                     |
|                                       |                                 | Detection Rate: 100.0 % |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.505G            | 2    | 5.674G            | 3    | 5.257G            | 4    | 5.690G            |
| 5                                                | 5.520G            | 6    | 5.262G            | 7    | 5.356G            | 8    | 5.439G            |
| 9                                                | 5.685G            | 10   | 5.332G            | 11   | 5.720G            | 12   | 5.579G            |
| 13                                               | 5.313G            | 14   | 5.383G            | 15   | 5.697G            | 16   | 5.318G            |
| 17                                               | 5.695G            | 18   | 5.461G            | 19   | 5.719G            | 20   | 5.606G            |
| 21                                               | 5.533G            | 22   | 5.287G            | 23   | 5.675G            | 24   | 5.540G            |
| 25                                               | 5.604G            | 26   | 5.591G            | 27   | 5.564G            | 28   | 5.612G            |
| 29                                               | 5.399G            | 30   | 5.593G            | 31   | 5.600G            | 32   | 5.478G            |
| 33                                               | 5.667G            | 34   | 5.434G            | 35   | 5.299G            | 36   | 5.387G            |
| 37                                               | 5.319G            | 38   | 5.376G            | 39   | 5.710G            | 40   | 5.581G            |
| 41                                               | 5.624G            | 42   | 5.302G            | 43   | 5.406G            | 44   | 5.272G            |
| 45                                               | 5.531G            | 46   | 5.298G            | 47   | 5.303G            | 48   | 5.265G            |
| 49                                               | 5.688G            | 50   | 5.372G            | 51   | 5.699G            | 52   | 5.550G            |
| 53                                               | 5.336G            | 54   | 5.308G            | 55   | 5.565G            | 56   | 5.269G            |
| 57                                               | 5.635G            | 58   | 5.650G            | 59   | 5.357G            | 60   | 5.462G            |
| 61                                               | 5.389G            | 62   | 5.626G            | 63   | 5.411G            | 64   | 5.386G            |
| 65                                               | 5.665G            | 66   | 5.481G            | 67   | 5.354G            | 68   | 5.267G            |
| 69                                               | 5.279G            | 70   | 5.558G            | 71   | 5.578G            | 72   | 5.647G            |
| 73                                               | 5.717G            | 74   | 5.382G            | 75   | 5.297G            | 76   | 5.601G            |
| 77                                               | 5.630G            | 78   | 5.603G            | 79   | 5.676G            | 80   | 5.657G            |
| 81                                               | 5.608G            | 82   | 5.329G            | 83   | 5.388G            | 84   | 5.602G            |
| 85                                               | 5.549G            | 86   | 5.451G            | 87   | 5.709G            | 88   | 5.716G            |
| 89                                               | 5.643G            | 90   | 5.285G            | 91   | 5.377G            | 92   | 5.443G            |
| 93                                               | 5.535G            | 94   | 5.584G            | 95   | 5.506G            | 96   | 5.723G            |
| 97                                               | 5.507G            | 98   | 5.712G            | 99   | 5.680G            | 100  | 5.724G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.350G            | 2    | 5.673G            | 3    | 5.251G            | 4    | 5.286G            |
| 5                                                | 5.699G            | 6    | 5.714G            | 7    | 5.500G            | 8    | 5.265G            |
| 9                                                | 5.299G            | 10   | 5.455G            | 11   | 5.359G            | 12   | 5.611G            |
| 13                                               | 5.487G            | 14   | 5.448G            | 15   | 5.663G            | 16   | 5.373G            |
| 17                                               | 5.269G            | 18   | 5.614G            | 19   | 5.439G            | 20   | 5.385G            |
| 21                                               | 5.680G            | 22   | 5.603G            | 23   | 5.363G            | 24   | 5.341G            |
| 25                                               | 5.303G            | 26   | 5.504G            | 27   | 5.576G            | 28   | 5.584G            |
| 29                                               | 5.632G            | 30   | 5.535G            | 31   | 5.402G            | 32   | 5.597G            |
| 33                                               | 5.308G            | 34   | 5.566G            | 35   | 5.689G            | 36   | 5.301G            |
| 37                                               | 5.494G            | 38   | 5.400G            | 39   | 5.513G            | 40   | 5.691G            |
| 41                                               | 5.553G            | 42   | 5.343G            | 43   | 5.532G            | 44   | 5.520G            |
| 45                                               | 5.664G            | 46   | 5.718G            | 47   | 5.612G            | 48   | 5.444G            |
| 49                                               | 5.452G            | 50   | 5.588G            | 51   | 5.307G            | 52   | 5.422G            |
| 53                                               | 5.662G            | 54   | 5.275G            | 55   | 5.583G            | 56   | 5.578G            |
| 57                                               | 5.595G            | 58   | 5.479G            | 59   | 5.410G            | 60   | 5.693G            |
| 61                                               | 5.465G            | 62   | 5.312G            | 63   | 5.268G            | 64   | 5.629G            |
| 65                                               | 5.671G            | 66   | 5.284G            | 67   | 5.406G            | 68   | 5.624G            |
| 69                                               | 5.300G            | 70   | 5.568G            | 71   | 5.318G            | 72   | 5.711G            |
| 73                                               | 5.330G            | 74   | 5.399G            | 75   | 5.694G            | 76   | 5.631G            |
| 77                                               | 5.416G            | 78   | 5.723G            | 79   | 5.637G            | 80   | 5.339G            |
| 81                                               | 5.252G            | 82   | 5.703G            | 83   | 5.654G            | 84   | 5.538G            |
| 85                                               | 5.478G            | 86   | 5.482G            | 87   | 5.474G            | 88   | 5.407G            |
| 89                                               | 5.279G            | 90   | 5.316G            | 91   | 5.592G            | 92   | 5.627G            |
| 93                                               | 5.594G            | 94   | 5.633G            | 95   | 5.380G            | 96   | 5.598G            |
| 97                                               | 5.533G            | 98   | 5.446G            | 99   | 5.526G            | 100  | 5.555G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.501G            | 2    | 5.592G            | 3    | 5.263G            | 4    | 5.484G            |
| 5                                                | 5.549G            | 6    | 5.346G            | 7    | 5.361G            | 8    | 5.576G            |
| 9                                                | 5.264G            | 10   | 5.700G            | 11   | 5.623G            | 12   | 5.324G            |
| 13                                               | 5.640G            | 14   | 5.669G            | 15   | 5.344G            | 16   | 5.579G            |
| 17                                               | 5.703G            | 18   | 5.585G            | 19   | 5.382G            | 20   | 5.601G            |
| 21                                               | 5.364G            | 22   | 5.296G            | 23   | 5.524G            | 24   | 5.532G            |
| 25                                               | 5.546G            | 26   | 5.555G            | 27   | 5.710G            | 28   | 5.644G            |
| 29                                               | 5.465G            | 30   | 5.456G            | 31   | 5.526G            | 32   | 5.627G            |
| 33                                               | 5.621G            | 34   | 5.717G            | 35   | 5.667G            | 36   | 5.652G            |
| 37                                               | 5.659G            | 38   | 5.498G            | 39   | 5.478G            | 40   | 5.386G            |
| 41                                               | 5.654G            | 42   | 5.508G            | 43   | 5.716G            | 44   | 5.599G            |
| 45                                               | 5.408G            | 46   | 5.427G            | 47   | 5.306G            | 48   | 5.402G            |
| 49                                               | 5.337G            | 50   | 5.464G            | 51   | 5.712G            | 52   | 5.358G            |
| 53                                               | 5.278G            | 54   | 5.680G            | 55   | 5.365G            | 56   | 5.442G            |
| 57                                               | 5.432G            | 58   | 5.538G            | 59   | 5.315G            | 60   | 5.587G            |
| 61                                               | 5.342G            | 62   | 5.615G            | 63   | 5.674G            | 64   | 5.563G            |
| 65                                               | 5.668G            | 66   | 5.460G            | 67   | 5.590G            | 68   | 5.542G            |
| 69                                               | 5.685G            | 70   | 5.469G            | 71   | 5.453G            | 72   | 5.429G            |
| 73                                               | 5.504G            | 74   | 5.660G            | 75   | 5.353G            | 76   | 5.616G            |
| 77                                               | 5.417G            | 78   | 5.672G            | 79   | 5.331G            | 80   | 5.393G            |
| 81                                               | 5.449G            | 82   | 5.347G            | 83   | 5.610G            | 84   | 5.706G            |
| 85                                               | 5.314G            | 86   | 5.321G            | 87   | 5.415G            | 88   | 5.724G            |
| 89                                               | 5.392G            | 90   | 5.437G            | 91   | 5.691G            | 92   | 5.407G            |
| 93                                               | 5.625G            | 94   | 5.463G            | 95   | 5.582G            | 96   | 5.646G            |
| 97                                               | 5.622G            | 98   | 5.688G            | 99   | 5.266G            | 100  | 5.428G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.487G            | 2    | 5.498G            | 3    | 5.707G            | 4    | 5.277G            |
| 5                                                | 5.312G            | 6    | 5.447G            | 7    | 5.259G            | 8    | 5.548G            |
| 9                                                | 5.492G            | 10   | 5.699G            | 11   | 5.308G            | 12   | 5.677G            |
| 13                                               | 5.328G            | 14   | 5.520G            | 15   | 5.318G            | 16   | 5.433G            |
| 17                                               | 5.440G            | 18   | 5.294G            | 19   | 5.486G            | 20   | 5.258G            |
| 21                                               | 5.370G            | 22   | 5.405G            | 23   | 5.266G            | 24   | 5.380G            |
| 25                                               | 5.292G            | 26   | 5.590G            | 27   | 5.459G            | 28   | 5.495G            |
| 29                                               | 5.541G            | 30   | 5.564G            | 31   | 5.472G            | 32   | 5.680G            |
| 33                                               | 5.558G            | 34   | 5.319G            | 35   | 5.645G            | 36   | 5.475G            |
| 37                                               | 5.591G            | 38   | 5.375G            | 39   | 5.678G            | 40   | 5.649G            |
| 41                                               | 5.437G            | 42   | 5.674G            | 43   | 5.706G            | 44   | 5.460G            |
| 45                                               | 5.316G            | 46   | 5.636G            | 47   | 5.301G            | 48   | 5.660G            |
| 49                                               | 5.416G            | 50   | 5.284G            | 51   | 5.321G            | 52   | 5.545G            |
| 53                                               | 5.260G            | 54   | 5.353G            | 55   | 5.489G            | 56   | 5.334G            |
| 57                                               | 5.256G            | 58   | 5.600G            | 59   | 5.307G            | 60   | 5.683G            |
| 61                                               | 5.288G            | 62   | 5.637G            | 63   | 5.631G            | 64   | 5.253G            |
| 65                                               | 5.604G            | 66   | 5.709G            | 67   | 5.568G            | 68   | 5.697G            |
| 69                                               | 5.404G            | 70   | 5.508G            | 71   | 5.681G            | 72   | 5.345G            |
| 73                                               | 5.300G            | 74   | 5.497G            | 75   | 5.633G            | 76   | 5.655G            |
| 77                                               | 5.415G            | 78   | 5.333G            | 79   | 5.251G            | 80   | 5.374G            |
| 81                                               | 5.451G            | 82   | 5.443G            | 83   | 5.625G            | 84   | 5.473G            |
| 85                                               | 5.584G            | 86   | 5.338G            | 87   | 5.647G            | 88   | 5.304G            |
| 89                                               | 5.525G            | 90   | 5.542G            | 91   | 5.361G            | 92   | 5.650G            |
| 93                                               | 5.482G            | 94   | 5.666G            | 95   | 5.608G            | 96   | 5.589G            |
| 97                                               | 5.427G            | 98   | 5.384G            | 99   | 5.457G            | 100  | 5.355G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.583G            | 2    | 5.381G            | 3    | 5.662G            | 4    | 5.649G            |
| 5                                                | 5.275G            | 6    | 5.678G            | 7    | 5.287G            | 8    | 5.452G            |
| 9                                                | 5.461G            | 10   | 5.670G            | 11   | 5.279G            | 12   | 5.702G            |
| 13                                               | 5.399G            | 14   | 5.420G            | 15   | 5.479G            | 16   | 5.278G            |
| 17                                               | 5.487G            | 18   | 5.484G            | 19   | 5.320G            | 20   | 5.433G            |
| 21                                               | 5.550G            | 22   | 5.333G            | 23   | 5.573G            | 24   | 5.456G            |
| 25                                               | 5.299G            | 26   | 5.261G            | 27   | 5.263G            | 28   | 5.614G            |
| 29                                               | 5.321G            | 30   | 5.300G            | 31   | 5.391G            | 32   | 5.551G            |
| 33                                               | 5.600G            | 34   | 5.509G            | 35   | 5.718G            | 36   | 5.522G            |
| 37                                               | 5.396G            | 38   | 5.713G            | 39   | 5.457G            | 40   | 5.717G            |
| 41                                               | 5.659G            | 42   | 5.607G            | 43   | 5.536G            | 44   | 5.370G            |
| 45                                               | 5.329G            | 46   | 5.708G            | 47   | 5.534G            | 48   | 5.429G            |
| 49                                               | 5.492G            | 50   | 5.379G            | 51   | 5.653G            | 52   | 5.545G            |
| 53                                               | 5.620G            | 54   | 5.681G            | 55   | 5.546G            | 56   | 5.715G            |
| 57                                               | 5.616G            | 58   | 5.591G            | 59   | 5.508G            | 60   | 5.375G            |
| 61                                               | 5.271G            | 62   | 5.596G            | 63   | 5.500G            | 64   | 5.455G            |
| 65                                               | 5.318G            | 66   | 5.585G            | 67   | 5.336G            | 68   | 5.657G            |
| 69                                               | 5.598G            | 70   | 5.251G            | 71   | 5.512G            | 72   | 5.668G            |
| 73                                               | 5.665G            | 74   | 5.667G            | 75   | 5.682G            | 76   | 5.407G            |
| 77                                               | 5.489G            | 78   | 5.309G            | 79   | 5.490G            | 80   | 5.418G            |
| 81                                               | 5.257G            | 82   | 5.697G            | 83   | 5.719G            | 84   | 5.341G            |
| 85                                               | 5.689G            | 86   | 5.647G            | 87   | 5.568G            | 88   | 5.699G            |
| 89                                               | 5.674G            | 90   | 5.572G            | 91   | 5.619G            | 92   | 5.408G            |
| 93                                               | 5.664G            | 94   | 5.706G            | 95   | 5.360G            | 96   | 5.439G            |
| 97                                               | 5.284G            | 98   | 5.312G            | 99   | 5.367G            | 100  | 5.478G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.493G            | 2    | 5.665G            | 3    | 5.291G            | 4    | 5.553G            |
| 5                                                | 5.367G            | 6    | 5.518G            | 7    | 5.444G            | 8    | 5.350G            |
| 9                                                | 5.338G            | 10   | 5.467G            | 11   | 5.262G            | 12   | 5.629G            |
| 13                                               | 5.439G            | 14   | 5.406G            | 15   | 5.267G            | 16   | 5.293G            |
| 17                                               | 5.384G            | 18   | 5.447G            | 19   | 5.647G            | 20   | 5.716G            |
| 21                                               | 5.583G            | 22   | 5.697G            | 23   | 5.260G            | 24   | 5.609G            |
| 25                                               | 5.465G            | 26   | 5.632G            | 27   | 5.268G            | 28   | 5.593G            |
| 29                                               | 5.611G            | 30   | 5.546G            | 31   | 5.466G            | 32   | 5.478G            |
| 33                                               | 5.653G            | 34   | 5.660G            | 35   | 5.357G            | 36   | 5.454G            |
| 37                                               | 5.605G            | 38   | 5.502G            | 39   | 5.604G            | 40   | 5.703G            |
| 41                                               | 5.637G            | 42   | 5.519G            | 43   | 5.258G            | 44   | 5.601G            |
| 45                                               | 5.516G            | 46   | 5.346G            | 47   | 5.645G            | 48   | 5.638G            |
| 49                                               | 5.418G            | 50   | 5.354G            | 51   | 5.644G            | 52   | 5.456G            |
| 53                                               | 5.682G            | 54   | 5.702G            | 55   | 5.607G            | 56   | 5.503G            |
| 57                                               | 5.396G            | 58   | 5.441G            | 59   | 5.273G            | 60   | 5.548G            |
| 61                                               | 5.314G            | 62   | 5.371G            | 63   | 5.306G            | 64   | 5.360G            |
| 65                                               | 5.691G            | 66   | 5.413G            | 67   | 5.551G            | 68   | 5.485G            |
| 69                                               | 5.495G            | 70   | 5.419G            | 71   | 5.531G            | 72   | 5.492G            |
| 73                                               | 5.499G            | 74   | 5.392G            | 75   | 5.347G            | 76   | 5.497G            |
| 77                                               | 5.692G            | 78   | 5.342G            | 79   | 5.723G            | 80   | 5.356G            |
| 81                                               | 5.484G            | 82   | 5.491G            | 83   | 5.705G            | 84   | 5.563G            |
| 85                                               | 5.394G            | 86   | 5.397G            | 87   | 5.534G            | 88   | 5.269G            |
| 89                                               | 5.471G            | 90   | 5.514G            | 91   | 5.339G            | 92   | 5.640G            |
| 93                                               | 5.332G            | 94   | 5.680G            | 95   | 5.482G            | 96   | 5.488G            |
| 97                                               | 5.429G            | 98   | 5.430G            | 99   | 5.464G            | 100  | 5.295G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.320G            | 2    | 5.390G            | 3    | 5.286G            | 4    | 5.418G            |
| 5                                                | 5.603G            | 6    | 5.488G            | 7    | 5.457G            | 8    | 5.410G            |
| 9                                                | 5.299G            | 10   | 5.545G            | 11   | 5.358G            | 12   | 5.355G            |
| 13                                               | 5.454G            | 14   | 5.277G            | 15   | 5.687G            | 16   | 5.582G            |
| 17                                               | 5.434G            | 18   | 5.475G            | 19   | 5.619G            | 20   | 5.627G            |
| 21                                               | 5.307G            | 22   | 5.317G            | 23   | 5.319G            | 24   | 5.421G            |
| 25                                               | 5.556G            | 26   | 5.541G            | 27   | 5.623G            | 28   | 5.546G            |
| 29                                               | 5.336G            | 30   | 5.578G            | 31   | 5.304G            | 32   | 5.325G            |
| 33                                               | 5.574G            | 34   | 5.382G            | 35   | 5.570G            | 36   | 5.544G            |
| 37                                               | 5.700G            | 38   | 5.571G            | 39   | 5.491G            | 40   | 5.465G            |
| 41                                               | 5.272G            | 42   | 5.536G            | 43   | 5.279G            | 44   | 5.402G            |
| 45                                               | 5.628G            | 46   | 5.595G            | 47   | 5.479G            | 48   | 5.401G            |
| 49                                               | 5.451G            | 50   | 5.356G            | 51   | 5.309G            | 52   | 5.561G            |
| 53                                               | 5.539G            | 54   | 5.685G            | 55   | 5.648G            | 56   | 5.693G            |
| 57                                               | 5.414G            | 58   | 5.679G            | 59   | 5.362G            | 60   | 5.695G            |
| 61                                               | 5.256G            | 62   | 5.283G            | 63   | 5.376G            | 64   | 5.706G            |
| 65                                               | 5.504G            | 66   | 5.441G            | 67   | 5.284G            | 68   | 5.449G            |
| 69                                               | 5.476G            | 70   | 5.462G            | 71   | 5.381G            | 72   | 5.343G            |
| 73                                               | 5.638G            | 74   | 5.689G            | 75   | 5.357G            | 76   | 5.389G            |
| 77                                               | 5.255G            | 78   | 5.303G            | 79   | 5.592G            | 80   | 5.675G            |
| 81                                               | 5.450G            | 82   | 5.611G            | 83   | 5.566G            | 84   | 5.265G            |
| 85                                               | 5.510G            | 86   | 5.724G            | 87   | 5.680G            | 88   | 5.392G            |
| 89                                               | 5.296G            | 90   | 5.605G            | 91   | 5.490G            | 92   | 5.631G            |
| 93                                               | 5.560G            | 94   | 5.612G            | 95   | 5.555G            | 96   | 5.487G            |
| 97                                               | 5.530G            | 98   | 5.327G            | 99   | 5.573G            | 100  | 5.704G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.537G            | 2    | 5.669G            | 3    | 5.683G            | 4    | 5.517G            |
| 5                                                | 5.583G            | 6    | 5.304G            | 7    | 5.607G            | 8    | 5.656G            |
| 9                                                | 5.424G            | 10   | 5.441G            | 11   | 5.256G            | 12   | 5.552G            |
| 13                                               | 5.599G            | 14   | 5.277G            | 15   | 5.349G            | 16   | 5.707G            |
| 17                                               | 5.521G            | 18   | 5.478G            | 19   | 5.612G            | 20   | 5.302G            |
| 21                                               | 5.677G            | 22   | 5.581G            | 23   | 5.300G            | 24   | 5.412G            |
| 25                                               | 5.381G            | 26   | 5.259G            | 27   | 5.637G            | 28   | 5.251G            |
| 29                                               | 5.296G            | 30   | 5.565G            | 31   | 5.306G            | 32   | 5.285G            |
| 33                                               | 5.648G            | 34   | 5.563G            | 35   | 5.452G            | 36   | 5.555G            |
| 37                                               | 5.650G            | 38   | 5.495G            | 39   | 5.503G            | 40   | 5.594G            |
| 41                                               | 5.469G            | 42   | 5.582G            | 43   | 5.307G            | 44   | 5.255G            |
| 45                                               | 5.253G            | 46   | 5.323G            | 47   | 5.676G            | 48   | 5.709G            |
| 49                                               | 5.720G            | 50   | 5.712G            | 51   | 5.679G            | 52   | 5.482G            |
| 53                                               | 5.438G            | 54   | 5.415G            | 55   | 5.268G            | 56   | 5.636G            |
| 57                                               | 5.593G            | 58   | 5.427G            | 59   | 5.383G            | 60   | 5.661G            |
| 61                                               | 5.560G            | 62   | 5.697G            | 63   | 5.675G            | 64   | 5.468G            |
| 65                                               | 5.649G            | 66   | 5.298G            | 67   | 5.651G            | 68   | 5.400G            |
| 69                                               | 5.647G            | 70   | 5.467G            | 71   | 5.329G            | 72   | 5.652G            |
| 73                                               | 5.589G            | 74   | 5.347G            | 75   | 5.628G            | 76   | 5.500G            |
| 77                                               | 5.689G            | 78   | 5.368G            | 79   | 5.611G            | 80   | 5.387G            |
| 81                                               | 5.608G            | 82   | 5.473G            | 83   | 5.575G            | 84   | 5.278G            |
| 85                                               | 5.704G            | 86   | 5.662G            | 87   | 5.342G            | 88   | 5.592G            |
| 89                                               | 5.686G            | 90   | 5.702G            | 91   | 5.624G            | 92   | 5.434G            |
| 93                                               | 5.416G            | 94   | 5.553G            | 95   | 5.576G            | 96   | 5.477G            |
| 97                                               | 5.464G            | 98   | 5.396G            | 99   | 5.386G            | 100  | 5.432G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.349G            | 2    | 5.590G            | 3    | 5.466G            | 4    | 5.546G            |
| 5                                                | 5.530G            | 6    | 5.355G            | 7    | 5.575G            | 8    | 5.709G            |
| 9                                                | 5.350G            | 10   | 5.724G            | 11   | 5.456G            | 12   | 5.682G            |
| 13                                               | 5.625G            | 14   | 5.554G            | 15   | 5.713G            | 16   | 5.477G            |
| 17                                               | 5.432G            | 18   | 5.412G            | 19   | 5.454G            | 20   | 5.402G            |
| 21                                               | 5.357G            | 22   | 5.389G            | 23   | 5.626G            | 24   | 5.717G            |
| 25                                               | 5.282G            | 26   | 5.524G            | 27   | 5.697G            | 28   | 5.264G            |
| 29                                               | 5.467G            | 30   | 5.720G            | 31   | 5.459G            | 32   | 5.313G            |
| 33                                               | 5.640G            | 34   | 5.329G            | 35   | 5.605G            | 36   | 5.427G            |
| 37                                               | 5.295G            | 38   | 5.567G            | 39   | 5.302G            | 40   | 5.635G            |
| 41                                               | 5.278G            | 42   | 5.578G            | 43   | 5.461G            | 44   | 5.700G            |
| 45                                               | 5.455G            | 46   | 5.327G            | 47   | 5.592G            | 48   | 5.275G            |
| 49                                               | 5.632G            | 50   | 5.453G            | 51   | 5.422G            | 52   | 5.300G            |
| 53                                               | 5.721G            | 54   | 5.650G            | 55   | 5.704G            | 56   | 5.380G            |
| 57                                               | 5.403G            | 58   | 5.373G            | 59   | 5.367G            | 60   | 5.372G            |
| 61                                               | 5.492G            | 62   | 5.690G            | 63   | 5.618G            | 64   | 5.540G            |
| 65                                               | 5.508G            | 66   | 5.485G            | 67   | 5.496G            | 68   | 5.548G            |
| 69                                               | 5.512G            | 70   | 5.687G            | 71   | 5.296G            | 72   | 5.676G            |
| 73                                               | 5.499G            | 74   | 5.440G            | 75   | 5.579G            | 76   | 5.604G            |
| 77                                               | 5.608G            | 78   | 5.723G            | 79   | 5.576G            | 80   | 5.703G            |
| 81                                               | 5.433G            | 82   | 5.612G            | 83   | 5.482G            | 84   | 5.583G            |
| 85                                               | 5.633G            | 86   | 5.582G            | 87   | 5.437G            | 88   | 5.521G            |
| 89                                               | 5.601G            | 90   | 5.391G            | 91   | 5.647G            | 92   | 5.393G            |
| 93                                               | 5.419G            | 94   | 5.598G            | 95   | 5.434G            | 96   | 5.597G            |
| 97                                               | 5.446G            | 98   | 5.478G            | 99   | 5.551G            | 100  | 5.621G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.550G            | 2    | 5.265G            | 3    | 5.435G            | 4    | 5.470G            |
| 5                                                | 5.657G            | 6    | 5.490G            | 7    | 5.566G            | 8    | 5.303G            |
| 9                                                | 5.400G            | 10   | 5.263G            | 11   | 5.271G            | 12   | 5.372G            |
| 13                                               | 5.448G            | 14   | 5.659G            | 15   | 5.549G            | 16   | 5.571G            |
| 17                                               | 5.381G            | 18   | 5.398G            | 19   | 5.278G            | 20   | 5.511G            |
| 21                                               | 5.583G            | 22   | 5.333G            | 23   | 5.482G            | 24   | 5.494G            |
| 25                                               | 5.353G            | 26   | 5.668G            | 27   | 5.460G            | 28   | 5.563G            |
| 29                                               | 5.706G            | 30   | 5.421G            | 31   | 5.283G            | 32   | 5.703G            |
| 33                                               | 5.554G            | 34   | 5.503G            | 35   | 5.513G            | 36   | 5.461G            |
| 37                                               | 5.355G            | 38   | 5.341G            | 39   | 5.532G            | 40   | 5.528G            |
| 41                                               | 5.380G            | 42   | 5.698G            | 43   | 5.392G            | 44   | 5.582G            |
| 45                                               | 5.285G            | 46   | 5.425G            | 47   | 5.454G            | 48   | 5.617G            |
| 49                                               | 5.323G            | 50   | 5.281G            | 51   | 5.544G            | 52   | 5.466G            |
| 53                                               | 5.447G            | 54   | 5.420G            | 55   | 5.600G            | 56   | 5.676G            |
| 57                                               | 5.422G            | 58   | 5.638G            | 59   | 5.324G            | 60   | 5.295G            |
| 61                                               | 5.359G            | 62   | 5.483G            | 63   | 5.628G            | 64   | 5.350G            |
| 65                                               | 5.690G            | 66   | 5.389G            | 67   | 5.495G            | 68   | 5.252G            |
| 69                                               | 5.603G            | 70   | 5.688G            | 71   | 5.266G            | 72   | 5.696G            |
| 73                                               | 5.713G            | 74   | 5.649G            | 75   | 5.465G            | 76   | 5.413G            |
| 77                                               | 5.551G            | 78   | 5.615G            | 79   | 5.620G            | 80   | 5.358G            |
| 81                                               | 5.567G            | 82   | 5.442G            | 83   | 5.524G            | 84   | 5.506G            |
| 85                                               | 5.296G            | 86   | 5.597G            | 87   | 5.360G            | 88   | 5.484G            |
| 89                                               | 5.430G            | 90   | 5.407G            | 91   | 5.612G            | 92   | 5.619G            |
| 93                                               | 5.488G            | 94   | 5.631G            | 95   | 5.375G            | 96   | 5.432G            |
| 97                                               | 5.641G            | 98   | 5.342G            | 99   | 5.443G            | 100  | 5.590G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.408G            | 2    | 5.306G            | 3    | 5.263G            | 4    | 5.393G            |
| 5                                                | 5.321G            | 6    | 5.559G            | 7    | 5.525G            | 8    | 5.427G            |
| 9                                                | 5.723G            | 10   | 5.451G            | 11   | 5.696G            | 12   | 5.626G            |
| 13                                               | 5.709G            | 14   | 5.553G            | 15   | 5.257G            | 16   | 5.474G            |
| 17                                               | 5.261G            | 18   | 5.669G            | 19   | 5.462G            | 20   | 5.348G            |
| 21                                               | 5.487G            | 22   | 5.589G            | 23   | 5.625G            | 24   | 5.294G            |
| 25                                               | 5.262G            | 26   | 5.711G            | 27   | 5.362G            | 28   | 5.623G            |
| 29                                               | 5.568G            | 30   | 5.564G            | 31   | 5.666G            | 32   | 5.413G            |
| 33                                               | 5.538G            | 34   | 5.484G            | 35   | 5.641G            | 36   | 5.520G            |
| 37                                               | 5.721G            | 38   | 5.483G            | 39   | 5.659G            | 40   | 5.339G            |
| 41                                               | 5.300G            | 42   | 5.478G            | 43   | 5.563G            | 44   | 5.269G            |
| 45                                               | 5.684G            | 46   | 5.663G            | 47   | 5.252G            | 48   | 5.254G            |
| 49                                               | 5.480G            | 50   | 5.655G            | 51   | 5.521G            | 52   | 5.377G            |
| 53                                               | 5.603G            | 54   | 5.627G            | 55   | 5.314G            | 56   | 5.364G            |
| 57                                               | 5.629G            | 58   | 5.365G            | 59   | 5.351G            | 60   | 5.528G            |
| 61                                               | 5.657G            | 62   | 5.447G            | 63   | 5.270G            | 64   | 5.477G            |
| 65                                               | 5.515G            | 66   | 5.295G            | 67   | 5.268G            | 68   | 5.383G            |
| 69                                               | 5.251G            | 70   | 5.458G            | 71   | 5.320G            | 72   | 5.374G            |
| 73                                               | 5.492G            | 74   | 5.358G            | 75   | 5.357G            | 76   | 5.410G            |
| 77                                               | 5.676G            | 78   | 5.588G            | 79   | 5.414G            | 80   | 5.399G            |
| 81                                               | 5.498G            | 82   | 5.491G            | 83   | 5.604G            | 84   | 5.658G            |
| 85                                               | 5.330G            | 86   | 5.613G            | 87   | 5.317G            | 88   | 5.539G            |
| 89                                               | 5.652G            | 90   | 5.403G            | 91   | 5.675G            | 92   | 5.642G            |
| 93                                               | 5.551G            | 94   | 5.343G            | 95   | 5.460G            | 96   | 5.543G            |
| 97                                               | 5.369G            | 98   | 5.276G            | 99   | 5.532G            | 100  | 5.708G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.603G            | 2    | 5.666G            | 3    | 5.522G            | 4    | 5.502G            |
| 5                                                | 5.678G            | 6    | 5.480G            | 7    | 5.479G            | 8    | 5.281G            |
| 9                                                | 5.364G            | 10   | 5.297G            | 11   | 5.713G            | 12   | 5.316G            |
| 13                                               | 5.476G            | 14   | 5.662G            | 15   | 5.437G            | 16   | 5.710G            |
| 17                                               | 5.561G            | 18   | 5.306G            | 19   | 5.416G            | 20   | 5.463G            |
| 21                                               | 5.268G            | 22   | 5.498G            | 23   | 5.674G            | 24   | 5.313G            |
| 25                                               | 5.549G            | 26   | 5.294G            | 27   | 5.558G            | 28   | 5.637G            |
| 29                                               | 5.583G            | 30   | 5.462G            | 31   | 5.291G            | 32   | 5.492G            |
| 33                                               | 5.452G            | 34   | 5.260G            | 35   | 5.497G            | 36   | 5.535G            |
| 37                                               | 5.586G            | 38   | 5.577G            | 39   | 5.658G            | 40   | 5.470G            |
| 41                                               | 5.424G            | 42   | 5.264G            | 43   | 5.680G            | 44   | 5.347G            |
| 45                                               | 5.619G            | 46   | 5.500G            | 47   | 5.266G            | 48   | 5.411G            |
| 49                                               | 5.272G            | 50   | 5.353G            | 51   | 5.661G            | 52   | 5.317G            |
| 53                                               | 5.696G            | 54   | 5.576G            | 55   | 5.391G            | 56   | 5.376G            |
| 57                                               | 5.442G            | 58   | 5.432G            | 59   | 5.305G            | 60   | 5.461G            |
| 61                                               | 5.398G            | 62   | 5.394G            | 63   | 5.368G            | 64   | 5.283G            |
| 65                                               | 5.624G            | 66   | 5.414G            | 67   | 5.483G            | 68   | 5.458G            |
| 69                                               | 5.329G            | 70   | 5.634G            | 71   | 5.578G            | 72   | 5.718G            |
| 73                                               | 5.387G            | 74   | 5.596G            | 75   | 5.650G            | 76   | 5.517G            |
| 77                                               | 5.690G            | 78   | 5.453G            | 79   | 5.613G            | 80   | 5.653G            |
| 81                                               | 5.628G            | 82   | 5.451G            | 83   | 5.478G            | 84   | 5.356G            |
| 85                                               | 5.441G            | 86   | 5.381G            | 87   | 5.552G            | 88   | 5.395G            |
| 89                                               | 5.341G            | 90   | 5.496G            | 91   | 5.455G            | 92   | 5.469G            |
| 93                                               | 5.573G            | 94   | 5.365G            | 95   | 5.642G            | 96   | 5.505G            |
| 97                                               | 5.309G            | 98   | 5.397G            | 99   | 5.568G            | 100  | 5.639G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.375G            | 2    | 5.264G            | 3    | 5.273G            | 4    | 5.293G            |
| 5                                                | 5.612G            | 6    | 5.436G            | 7    | 5.695G            | 8    | 5.549G            |
| 9                                                | 5.422G            | 10   | 5.631G            | 11   | 5.262G            | 12   | 5.490G            |
| 13                                               | 5.589G            | 14   | 5.506G            | 15   | 5.326G            | 16   | 5.282G            |
| 17                                               | 5.657G            | 18   | 5.497G            | 19   | 5.509G            | 20   | 5.660G            |
| 21                                               | 5.474G            | 22   | 5.629G            | 23   | 5.272G            | 24   | 5.314G            |
| 25                                               | 5.433G            | 26   | 5.560G            | 27   | 5.399G            | 28   | 5.357G            |
| 29                                               | 5.668G            | 30   | 5.484G            | 31   | 5.408G            | 32   | 5.325G            |
| 33                                               | 5.434G            | 34   | 5.356G            | 35   | 5.563G            | 36   | 5.285G            |
| 37                                               | 5.401G            | 38   | 5.426G            | 39   | 5.393G            | 40   | 5.621G            |
| 41                                               | 5.277G            | 42   | 5.567G            | 43   | 5.593G            | 44   | 5.559G            |
| 45                                               | 5.496G            | 46   | 5.675G            | 47   | 5.419G            | 48   | 5.319G            |
| 49                                               | 5.690G            | 50   | 5.694G            | 51   | 5.373G            | 52   | 5.661G            |
| 53                                               | 5.367G            | 54   | 5.522G            | 55   | 5.674G            | 56   | 5.265G            |
| 57                                               | 5.300G            | 58   | 5.468G            | 59   | 5.596G            | 60   | 5.324G            |
| 61                                               | 5.528G            | 62   | 5.526G            | 63   | 5.537G            | 64   | 5.669G            |
| 65                                               | 5.599G            | 66   | 5.358G            | 67   | 5.303G            | 68   | 5.648G            |
| 69                                               | 5.378G            | 70   | 5.478G            | 71   | 5.469G            | 72   | 5.407G            |
| 73                                               | 5.513G            | 74   | 5.263G            | 75   | 5.586G            | 76   | 5.360G            |
| 77                                               | 5.571G            | 78   | 5.604G            | 79   | 5.446G            | 80   | 5.479G            |
| 81                                               | 5.482G            | 82   | 5.366G            | 83   | 5.394G            | 84   | 5.693G            |
| 85                                               | 5.288G            | 86   | 5.512G            | 87   | 5.551G            | 88   | 5.585G            |
| 89                                               | 5.723G            | 90   | 5.705G            | 91   | 5.412G            | 92   | 5.711G            |
| 93                                               | 5.345G            | 94   | 5.486G            | 95   | 5.678G            | 96   | 5.361G            |
| 97                                               | 5.390G            | 98   | 5.352G            | 99   | 5.649G            | 100  | 5.647G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.507G            | 2    | 5.709G            | 3    | 5.352G            | 4    | 5.516G            |
| 5                                                | 5.503G            | 6    | 5.594G            | 7    | 5.415G            | 8    | 5.255G            |
| 9                                                | 5.475G            | 10   | 5.275G            | 11   | 5.657G            | 12   | 5.344G            |
| 13                                               | 5.534G            | 14   | 5.406G            | 15   | 5.612G            | 16   | 5.671G            |
| 17                                               | 5.389G            | 18   | 5.314G            | 19   | 5.323G            | 20   | 5.544G            |
| 21                                               | 5.277G            | 22   | 5.302G            | 23   | 5.545G            | 24   | 5.577G            |
| 25                                               | 5.388G            | 26   | 5.258G            | 27   | 5.386G            | 28   | 5.434G            |
| 29                                               | 5.312G            | 30   | 5.595G            | 31   | 5.689G            | 32   | 5.420G            |
| 33                                               | 5.287G            | 34   | 5.408G            | 35   | 5.464G            | 36   | 5.511G            |
| 37                                               | 5.443G            | 38   | 5.427G            | 39   | 5.416G            | 40   | 5.365G            |
| 41                                               | 5.500G            | 42   | 5.587G            | 43   | 5.457G            | 44   | 5.395G            |
| 45                                               | 5.621G            | 46   | 5.588G            | 47   | 5.442G            | 48   | 5.411G            |
| 49                                               | 5.390G            | 50   | 5.539G            | 51   | 5.425G            | 52   | 5.521G            |
| 53                                               | 5.722G            | 54   | 5.696G            | 55   | 5.413G            | 56   | 5.529G            |
| 57                                               | 5.355G            | 58   | 5.656G            | 59   | 5.704G            | 60   | 5.316G            |
| 61                                               | 5.480G            | 62   | 5.581G            | 63   | 5.632G            | 64   | 5.676G            |
| 65                                               | 5.482G            | 66   | 5.432G            | 67   | 5.259G            | 68   | 5.438G            |
| 69                                               | 5.694G            | 70   | 5.580G            | 71   | 5.536G            | 72   | 5.663G            |
| 73                                               | 5.495G            | 74   | 5.674G            | 75   | 5.347G            | 76   | 5.400G            |
| 77                                               | 5.465G            | 78   | 5.330G            | 79   | 5.589G            | 80   | 5.519G            |
| 81                                               | 5.699G            | 82   | 5.645G            | 83   | 5.380G            | 84   | 5.672G            |
| 85                                               | 5.635G            | 86   | 5.548G            | 87   | 5.563G            | 88   | 5.710G            |
| 89                                               | 5.348G            | 90   | 5.629G            | 91   | 5.641G            | 92   | 5.509G            |
| 93                                               | 5.317G            | 94   | 5.384G            | 95   | 5.562G            | 96   | 5.666G            |
| 97                                               | 5.332G            | 98   | 5.456G            | 99   | 5.262G            | 100  | 5.701G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.332G            | 2    | 5.253G            | 3    | 5.256G            | 4    | 5.368G            |
| 5                                                | 5.366G            | 6    | 5.427G            | 7    | 5.495G            | 8    | 5.322G            |
| 9                                                | 5.496G            | 10   | 5.474G            | 11   | 5.448G            | 12   | 5.678G            |
| 13                                               | 5.410G            | 14   | 5.687G            | 15   | 5.686G            | 16   | 5.533G            |
| 17                                               | 5.269G            | 18   | 5.385G            | 19   | 5.429G            | 20   | 5.261G            |
| 21                                               | 5.585G            | 22   | 5.509G            | 23   | 5.255G            | 24   | 5.478G            |
| 25                                               | 5.360G            | 26   | 5.339G            | 27   | 5.335G            | 28   | 5.512G            |
| 29                                               | 5.604G            | 30   | 5.462G            | 31   | 5.479G            | 32   | 5.562G            |
| 33                                               | 5.693G            | 34   | 5.337G            | 35   | 5.671G            | 36   | 5.260G            |
| 37                                               | 5.382G            | 38   | 5.556G            | 39   | 5.523G            | 40   | 5.292G            |
| 41                                               | 5.273G            | 42   | 5.313G            | 43   | 5.586G            | 44   | 5.668G            |
| 45                                               | 5.317G            | 46   | 5.324G            | 47   | 5.505G            | 48   | 5.486G            |
| 49                                               | 5.358G            | 50   | 5.493G            | 51   | 5.456G            | 52   | 5.610G            |
| 53                                               | 5.528G            | 54   | 5.590G            | 55   | 5.506G            | 56   | 5.517G            |
| 57                                               | 5.530G            | 58   | 5.640G            | 59   | 5.318G            | 60   | 5.274G            |
| 61                                               | 5.381G            | 62   | 5.579G            | 63   | 5.667G            | 64   | 5.661G            |
| 65                                               | 5.415G            | 66   | 5.442G            | 67   | 5.621G            | 68   | 5.552G            |
| 69                                               | 5.455G            | 70   | 5.300G            | 71   | 5.441G            | 72   | 5.491G            |
| 73                                               | 5.722G            | 74   | 5.305G            | 75   | 5.331G            | 76   | 5.365G            |
| 77                                               | 5.390G            | 78   | 5.637G            | 79   | 5.266G            | 80   | 5.591G            |
| 81                                               | 5.563G            | 82   | 5.607G            | 83   | 5.461G            | 84   | 5.262G            |
| 85                                               | 5.605G            | 86   | 5.617G            | 87   | 5.403G            | 88   | 5.600G            |
| 89                                               | 5.492G            | 90   | 5.294G            | 91   | 5.706G            | 92   | 5.507G            |
| 93                                               | 5.284G            | 94   | 5.298G            | 95   | 5.564G            | 96   | 5.650G            |
| 97                                               | 5.537G            | 98   | 5.611G            | 99   | 5.645G            | 100  | 5.413G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.469G            | 2    | 5.426G            | 3    | 5.347G            | 4    | 5.449G            |
| 5                                                | 5.330G            | 6    | 5.537G            | 7    | 5.391G            | 8    | 5.687G            |
| 9                                                | 5.666G            | 10   | 5.332G            | 11   | 5.651G            | 12   | 5.341G            |
| 13                                               | 5.352G            | 14   | 5.457G            | 15   | 5.686G            | 16   | 5.531G            |
| 17                                               | 5.693G            | 18   | 5.631G            | 19   | 5.269G            | 20   | 5.525G            |
| 21                                               | 5.702G            | 22   | 5.403G            | 23   | 5.536G            | 24   | 5.363G            |
| 25                                               | 5.516G            | 26   | 5.538G            | 27   | 5.490G            | 28   | 5.511G            |
| 29                                               | 5.724G            | 30   | 5.704G            | 31   | 5.442G            | 32   | 5.441G            |
| 33                                               | 5.411G            | 34   | 5.717G            | 35   | 5.571G            | 36   | 5.647G            |
| 37                                               | 5.649G            | 38   | 5.606G            | 39   | 5.319G            | 40   | 5.448G            |
| 41                                               | 5.504G            | 42   | 5.472G            | 43   | 5.609G            | 44   | 5.438G            |
| 45                                               | 5.545G            | 46   | 5.480G            | 47   | 5.256G            | 48   | 5.679G            |
| 49                                               | 5.382G            | 50   | 5.284G            | 51   | 5.543G            | 52   | 5.424G            |
| 53                                               | 5.317G            | 54   | 5.520G            | 55   | 5.604G            | 56   | 5.397G            |
| 57                                               | 5.505G            | 58   | 5.463G            | 59   | 5.685G            | 60   | 5.602G            |
| 61                                               | 5.270G            | 62   | 5.618G            | 63   | 5.662G            | 64   | 5.273G            |
| 65                                               | 5.707G            | 66   | 5.664G            | 67   | 5.552G            | 68   | 5.294G            |
| 69                                               | 5.320G            | 70   | 5.464G            | 71   | 5.641G            | 72   | 5.476G            |
| 73                                               | 5.661G            | 74   | 5.566G            | 75   | 5.299G            | 76   | 5.584G            |
| 77                                               | 5.619G            | 78   | 5.420G            | 79   | 5.488G            | 80   | 5.593G            |
| 81                                               | 5.654G            | 82   | 5.714G            | 83   | 5.287G            | 84   | 5.657G            |
| 85                                               | 5.337G            | 86   | 5.644G            | 87   | 5.648G            | 88   | 5.659G            |
| 89                                               | 5.251G            | 90   | 5.265G            | 91   | 5.279G            | 92   | 5.359G            |
| 93                                               | 5.460G            | 94   | 5.413G            | 95   | 5.308G            | 96   | 5.544G            |
| 97                                               | 5.640G            | 98   | 5.394G            | 99   | 5.348G            | 100  | 5.613G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.421G            | 2    | 5.498G            | 3    | 5.713G            | 4    | 5.660G            |
| 5                                                | 5.583G            | 6    | 5.662G            | 7    | 5.657G            | 8    | 5.641G            |
| 9                                                | 5.268G            | 10   | 5.654G            | 11   | 5.517G            | 12   | 5.259G            |
| 13                                               | 5.485G            | 14   | 5.419G            | 15   | 5.276G            | 16   | 5.649G            |
| 17                                               | 5.467G            | 18   | 5.646G            | 19   | 5.359G            | 20   | 5.642G            |
| 21                                               | 5.659G            | 22   | 5.620G            | 23   | 5.345G            | 24   | 5.257G            |
| 25                                               | 5.288G            | 26   | 5.478G            | 27   | 5.637G            | 28   | 5.252G            |
| 29                                               | 5.489G            | 30   | 5.274G            | 31   | 5.703G            | 32   | 5.534G            |
| 33                                               | 5.376G            | 34   | 5.719G            | 35   | 5.682G            | 36   | 5.413G            |
| 37                                               | 5.614G            | 38   | 5.448G            | 39   | 5.256G            | 40   | 5.365G            |
| 41                                               | 5.587G            | 42   | 5.350G            | 43   | 5.605G            | 44   | 5.447G            |
| 45                                               | 5.328G            | 46   | 5.710G            | 47   | 5.330G            | 48   | 5.679G            |
| 49                                               | 5.557G            | 50   | 5.674G            | 51   | 5.437G            | 52   | 5.668G            |
| 53                                               | 5.714G            | 54   | 5.353G            | 55   | 5.488G            | 56   | 5.427G            |
| 57                                               | 5.577G            | 58   | 5.482G            | 59   | 5.700G            | 60   | 5.626G            |
| 61                                               | 5.307G            | 62   | 5.464G            | 63   | 5.423G            | 64   | 5.336G            |
| 65                                               | 5.617G            | 66   | 5.608G            | 67   | 5.562G            | 68   | 5.443G            |
| 69                                               | 5.446G            | 70   | 5.561G            | 71   | 5.493G            | 72   | 5.560G            |
| 73                                               | 5.304G            | 74   | 5.354G            | 75   | 5.495G            | 76   | 5.680G            |
| 77                                               | 5.397G            | 78   | 5.344G            | 79   | 5.426G            | 80   | 5.425G            |
| 81                                               | 5.599G            | 82   | 5.567G            | 83   | 5.510G            | 84   | 5.555G            |
| 85                                               | 5.625G            | 86   | 5.324G            | 87   | 5.707G            | 88   | 5.262G            |
| 89                                               | 5.501G            | 90   | 5.651G            | 91   | 5.292G            | 92   | 5.424G            |
| 93                                               | 5.573G            | 94   | 5.411G            | 95   | 5.597G            | 96   | 5.691G            |
| 97                                               | 5.435G            | 98   | 5.459G            | 99   | 5.282G            | 100  | 5.600G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.471G            | 2    | 5.678G            | 3    | 5.410G            | 4    | 5.537G            |
| 5                                                | 5.446G            | 6    | 5.666G            | 7    | 5.563G            | 8    | 5.355G            |
| 9                                                | 5.484G            | 10   | 5.489G            | 11   | 5.556G            | 12   | 5.596G            |
| 13                                               | 5.454G            | 14   | 5.682G            | 15   | 5.554G            | 16   | 5.595G            |
| 17                                               | 5.270G            | 18   | 5.610G            | 19   | 5.586G            | 20   | 5.549G            |
| 21                                               | 5.264G            | 22   | 5.415G            | 23   | 5.266G            | 24   | 5.339G            |
| 25                                               | 5.662G            | 26   | 5.697G            | 27   | 5.379G            | 28   | 5.392G            |
| 29                                               | 5.301G            | 30   | 5.334G            | 31   | 5.573G            | 32   | 5.643G            |
| 33                                               | 5.253G            | 34   | 5.439G            | 35   | 5.300G            | 36   | 5.519G            |
| 37                                               | 5.267G            | 38   | 5.689G            | 39   | 5.539G            | 40   | 5.455G            |
| 41                                               | 5.468G            | 42   | 5.613G            | 43   | 5.496G            | 44   | 5.665G            |
| 45                                               | 5.381G            | 46   | 5.250G            | 47   | 5.298G            | 48   | 5.272G            |
| 49                                               | 5.592G            | 50   | 5.360G            | 51   | 5.532G            | 52   | 5.324G            |
| 53                                               | 5.710G            | 54   | 5.409G            | 55   | 5.517G            | 56   | 5.467G            |
| 57                                               | 5.647G            | 58   | 5.668G            | 59   | 5.309G            | 60   | 5.548G            |
| 61                                               | 5.317G            | 62   | 5.428G            | 63   | 5.597G            | 64   | 5.314G            |
| 65                                               | 5.481G            | 66   | 5.308G            | 67   | 5.584G            | 68   | 5.622G            |
| 69                                               | 5.358G            | 70   | 5.466G            | 71   | 5.616G            | 72   | 5.295G            |
| 73                                               | 5.364G            | 74   | 5.261G            | 75   | 5.655G            | 76   | 5.660G            |
| 77                                               | 5.457G            | 78   | 5.672G            | 79   | 5.565G            | 80   | 5.652G            |
| 81                                               | 5.260G            | 82   | 5.683G            | 83   | 5.343G            | 84   | 5.401G            |
| 85                                               | 5.325G            | 86   | 5.686G            | 87   | 5.353G            | 88   | 5.315G            |
| 89                                               | 5.373G            | 90   | 5.402G            | 91   | 5.352G            | 92   | 5.599G            |
| 93                                               | 5.626G            | 94   | 5.702G            | 95   | 5.258G            | 96   | 5.460G            |
| 97                                               | 5.724G            | 98   | 5.670G            | 99   | 5.444G            | 100  | 5.388G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.550G            | 2    | 5.672G            | 3    | 5.305G            | 4    | 5.508G            |
| 5                                                | 5.713G            | 6    | 5.500G            | 7    | 5.312G            | 8    | 5.704G            |
| 9                                                | 5.291G            | 10   | 5.288G            | 11   | 5.664G            | 12   | 5.468G            |
| 13                                               | 5.405G            | 14   | 5.558G            | 15   | 5.313G            | 16   | 5.308G            |
| 17                                               | 5.390G            | 18   | 5.685G            | 19   | 5.526G            | 20   | 5.394G            |
| 21                                               | 5.616G            | 22   | 5.333G            | 23   | 5.419G            | 24   | 5.461G            |
| 25                                               | 5.417G            | 26   | 5.393G            | 27   | 5.427G            | 28   | 5.650G            |
| 29                                               | 5.376G            | 30   | 5.351G            | 31   | 5.656G            | 32   | 5.494G            |
| 33                                               | 5.700G            | 34   | 5.365G            | 35   | 5.624G            | 36   | 5.551G            |
| 37                                               | 5.259G            | 38   | 5.657G            | 39   | 5.470G            | 40   | 5.666G            |
| 41                                               | 5.250G            | 42   | 5.501G            | 43   | 5.681G            | 44   | 5.496G            |
| 45                                               | 5.370G            | 46   | 5.689G            | 47   | 5.535G            | 48   | 5.271G            |
| 49                                               | 5.444G            | 50   | 5.696G            | 51   | 5.337G            | 52   | 5.621G            |
| 53                                               | 5.265G            | 54   | 5.399G            | 55   | 5.609G            | 56   | 5.722G            |
| 57                                               | 5.401G            | 58   | 5.667G            | 59   | 5.473G            | 60   | 5.511G            |
| 61                                               | 5.350G            | 62   | 5.614G            | 63   | 5.516G            | 64   | 5.409G            |
| 65                                               | 5.260G            | 66   | 5.709G            | 67   | 5.677G            | 68   | 5.590G            |
| 69                                               | 5.671G            | 70   | 5.418G            | 71   | 5.297G            | 72   | 5.623G            |
| 73                                               | 5.539G            | 74   | 5.371G            | 75   | 5.280G            | 76   | 5.422G            |
| 77                                               | 5.607G            | 78   | 5.407G            | 79   | 5.533G            | 80   | 5.316G            |
| 81                                               | 5.301G            | 82   | 5.640G            | 83   | 5.610G            | 84   | 5.454G            |
| 85                                               | 5.413G            | 86   | 5.512G            | 87   | 5.577G            | 88   | 5.557G            |
| 89                                               | 5.471G            | 90   | 5.622G            | 91   | 5.439G            | 92   | 5.361G            |
| 93                                               | 5.582G            | 94   | 5.360G            | 95   | 5.440G            | 96   | 5.537G            |
| 97                                               | 5.406G            | 98   | 5.585G            | 99   | 5.342G            | 100  | 5.462G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.664G            | 2    | 5.377G            | 3    | 5.595G            | 4    | 5.701G            |
| 5                                                | 5.596G            | 6    | 5.490G            | 7    | 5.573G            | 8    | 5.706G            |
| 9                                                | 5.594G            | 10   | 5.393G            | 11   | 5.581G            | 12   | 5.592G            |
| 13                                               | 5.403G            | 14   | 5.547G            | 15   | 5.428G            | 16   | 5.314G            |
| 17                                               | 5.643G            | 18   | 5.585G            | 19   | 5.444G            | 20   | 5.405G            |
| 21                                               | 5.279G            | 22   | 5.294G            | 23   | 5.477G            | 24   | 5.277G            |
| 25                                               | 5.543G            | 26   | 5.338G            | 27   | 5.720G            | 28   | 5.613G            |
| 29                                               | 5.323G            | 30   | 5.541G            | 31   | 5.496G            | 32   | 5.270G            |
| 33                                               | 5.499G            | 34   | 5.410G            | 35   | 5.530G            | 36   | 5.339G            |
| 37                                               | 5.452G            | 38   | 5.287G            | 39   | 5.423G            | 40   | 5.375G            |
| 41                                               | 5.328G            | 42   | 5.644G            | 43   | 5.620G            | 44   | 5.333G            |
| 45                                               | 5.635G            | 46   | 5.566G            | 47   | 5.645G            | 48   | 5.497G            |
| 49                                               | 5.325G            | 50   | 5.417G            | 51   | 5.523G            | 52   | 5.562G            |
| 53                                               | 5.605G            | 54   | 5.495G            | 55   | 5.271G            | 56   | 5.693G            |
| 57                                               | 5.442G            | 58   | 5.524G            | 59   | 5.637G            | 60   | 5.407G            |
| 61                                               | 5.421G            | 62   | 5.342G            | 63   | 5.435G            | 64   | 5.590G            |
| 65                                               | 5.636G            | 66   | 5.711G            | 67   | 5.468G            | 68   | 5.288G            |
| 69                                               | 5.488G            | 70   | 5.719G            | 71   | 5.699G            | 72   | 5.400G            |
| 73                                               | 5.343G            | 74   | 5.589G            | 75   | 5.379G            | 76   | 5.408G            |
| 77                                               | 5.406G            | 78   | 5.712G            | 79   | 5.370G            | 80   | 5.268G            |
| 81                                               | 5.299G            | 82   | 5.576G            | 83   | 5.619G            | 84   | 5.332G            |
| 85                                               | 5.361G            | 86   | 5.465G            | 87   | 5.517G            | 88   | 5.485G            |
| 89                                               | 5.724G            | 90   | 5.557G            | 91   | 5.297G            | 92   | 5.586G            |
| 93                                               | 5.321G            | 94   | 5.368G            | 95   | 5.683G            | 96   | 5.526G            |
| 97                                               | 5.649G            | 98   | 5.587G            | 99   | 5.582G            | 100  | 5.681G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.265G            | 2    | 5.645G            | 3    | 5.335G            | 4    | 5.680G            |
| 5                                                | 5.551G            | 6    | 5.661G            | 7    | 5.669G            | 8    | 5.387G            |
| 9                                                | 5.352G            | 10   | 5.635G            | 11   | 5.451G            | 12   | 5.534G            |
| 13                                               | 5.511G            | 14   | 5.708G            | 15   | 5.721G            | 16   | 5.644G            |
| 17                                               | 5.524G            | 18   | 5.634G            | 19   | 5.453G            | 20   | 5.698G            |
| 21                                               | 5.631G            | 22   | 5.445G            | 23   | 5.279G            | 24   | 5.582G            |
| 25                                               | 5.488G            | 26   | 5.687G            | 27   | 5.292G            | 28   | 5.673G            |
| 29                                               | 5.361G            | 30   | 5.256G            | 31   | 5.471G            | 32   | 5.523G            |
| 33                                               | 5.464G            | 34   | 5.330G            | 35   | 5.555G            | 36   | 5.499G            |
| 37                                               | 5.700G            | 38   | 5.613G            | 39   | 5.695G            | 40   | 5.672G            |
| 41                                               | 5.591G            | 42   | 5.399G            | 43   | 5.432G            | 44   | 5.664G            |
| 45                                               | 5.578G            | 46   | 5.571G            | 47   | 5.478G            | 48   | 5.463G            |
| 49                                               | 5.431G            | 50   | 5.516G            | 51   | 5.371G            | 52   | 5.652G            |
| 53                                               | 5.709G            | 54   | 5.692G            | 55   | 5.421G            | 56   | 5.480G            |
| 57                                               | 5.425G            | 58   | 5.293G            | 59   | 5.285G            | 60   | 5.693G            |
| 61                                               | 5.666G            | 62   | 5.609G            | 63   | 5.377G            | 64   | 5.338G            |
| 65                                               | 5.597G            | 66   | 5.430G            | 67   | 5.568G            | 68   | 5.489G            |
| 69                                               | 5.495G            | 70   | 5.479G            | 71   | 5.304G            | 72   | 5.527G            |
| 73                                               | 5.473G            | 74   | 5.397G            | 75   | 5.643G            | 76   | 5.626G            |
| 77                                               | 5.411G            | 78   | 5.702G            | 79   | 5.409G            | 80   | 5.512G            |
| 81                                               | 5.599G            | 82   | 5.497G            | 83   | 5.393G            | 84   | 5.351G            |
| 85                                               | 5.706G            | 86   | 5.327G            | 87   | 5.660G            | 88   | 5.437G            |
| 89                                               | 5.322G            | 90   | 5.566G            | 91   | 5.553G            | 92   | 5.501G            |
| 93                                               | 5.315G            | 94   | 5.590G            | 95   | 5.385G            | 96   | 5.650G            |
| 97                                               | 5.614G            | 98   | 5.705G            | 99   | 5.276G            | 100  | 5.469G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.609G            | 2    | 5.255G            | 3    | 5.447G            | 4    | 5.276G            |
| 5                                                | 5.345G            | 6    | 5.385G            | 7    | 5.526G            | 8    | 5.623G            |
| 9                                                | 5.601G            | 10   | 5.535G            | 11   | 5.657G            | 12   | 5.300G            |
| 13                                               | 5.306G            | 14   | 5.708G            | 15   | 5.495G            | 16   | 5.422G            |
| 17                                               | 5.658G            | 18   | 5.379G            | 19   | 5.692G            | 20   | 5.502G            |
| 21                                               | 5.253G            | 22   | 5.498G            | 23   | 5.380G            | 24   | 5.670G            |
| 25                                               | 5.460G            | 26   | 5.514G            | 27   | 5.545G            | 28   | 5.319G            |
| 29                                               | 5.252G            | 30   | 5.457G            | 31   | 5.478G            | 32   | 5.707G            |
| 33                                               | 5.722G            | 34   | 5.681G            | 35   | 5.329G            | 36   | 5.390G            |
| 37                                               | 5.367G            | 38   | 5.622G            | 39   | 5.286G            | 40   | 5.472G            |
| 41                                               | 5.435G            | 42   | 5.427G            | 43   | 5.458G            | 44   | 5.715G            |
| 45                                               | 5.537G            | 46   | 5.312G            | 47   | 5.671G            | 48   | 5.521G            |
| 49                                               | 5.322G            | 50   | 5.655G            | 51   | 5.308G            | 52   | 5.484G            |
| 53                                               | 5.361G            | 54   | 5.304G            | 55   | 5.259G            | 56   | 5.418G            |
| 57                                               | 5.360G            | 58   | 5.724G            | 59   | 5.594G            | 60   | 5.420G            |
| 61                                               | 5.549G            | 62   | 5.454G            | 63   | 5.314G            | 64   | 5.569G            |
| 65                                               | 5.467G            | 66   | 5.450G            | 67   | 5.519G            | 68   | 5.444G            |
| 69                                               | 5.268G            | 70   | 5.663G            | 71   | 5.709G            | 72   | 5.610G            |
| 73                                               | 5.621G            | 74   | 5.647G            | 75   | 5.648G            | 76   | 5.557G            |
| 77                                               | 5.529G            | 78   | 5.483G            | 79   | 5.589G            | 80   | 5.377G            |
| 81                                               | 5.338G            | 82   | 5.698G            | 83   | 5.433G            | 84   | 5.446G            |
| 85                                               | 5.618G            | 86   | 5.597G            | 87   | 5.393G            | 88   | 5.554G            |
| 89                                               | 5.477G            | 90   | 5.403G            | 91   | 5.280G            | 92   | 5.719G            |
| 93                                               | 5.263G            | 94   | 5.465G            | 95   | 5.305G            | 96   | 5.646G            |
| 97                                               | 5.550G            | 98   | 5.396G            | 99   | 5.637G            | 100  | 5.716G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.401G            | 2    | 5.459G            | 3    | 5.412G            | 4    | 5.639G            |
| 5                                                | 5.383G            | 6    | 5.630G            | 7    | 5.689G            | 8    | 5.673G            |
| 9                                                | 5.441G            | 10   | 5.384G            | 11   | 5.432G            | 12   | 5.451G            |
| 13                                               | 5.608G            | 14   | 5.440G            | 15   | 5.593G            | 16   | 5.398G            |
| 17                                               | 5.590G            | 18   | 5.280G            | 19   | 5.339G            | 20   | 5.257G            |
| 21                                               | 5.702G            | 22   | 5.422G            | 23   | 5.648G            | 24   | 5.683G            |
| 25                                               | 5.642G            | 26   | 5.479G            | 27   | 5.354G            | 28   | 5.718G            |
| 29                                               | 5.633G            | 30   | 5.620G            | 31   | 5.562G            | 32   | 5.334G            |
| 33                                               | 5.515G            | 34   | 5.546G            | 35   | 5.585G            | 36   | 5.486G            |
| 37                                               | 5.366G            | 38   | 5.409G            | 39   | 5.375G            | 40   | 5.392G            |
| 41                                               | 5.482G            | 42   | 5.313G            | 43   | 5.660G            | 44   | 5.279G            |
| 45                                               | 5.563G            | 46   | 5.617G            | 47   | 5.694G            | 48   | 5.307G            |
| 49                                               | 5.314G            | 50   | 5.376G            | 51   | 5.447G            | 52   | 5.697G            |
| 53                                               | 5.393G            | 54   | 5.698G            | 55   | 5.335G            | 56   | 5.358G            |
| 57                                               | 5.503G            | 58   | 5.605G            | 59   | 5.712G            | 60   | 5.413G            |
| 61                                               | 5.285G            | 62   | 5.662G            | 63   | 5.576G            | 64   | 5.429G            |
| 65                                               | 5.365G            | 66   | 5.653G            | 67   | 5.284G            | 68   | 5.687G            |
| 69                                               | 5.415G            | 70   | 5.315G            | 71   | 5.347G            | 72   | 5.722G            |
| 73                                               | 5.613G            | 74   | 5.372G            | 75   | 5.425G            | 76   | 5.504G            |
| 77                                               | 5.723G            | 78   | 5.330G            | 79   | 5.672G            | 80   | 5.473G            |
| 81                                               | 5.423G            | 82   | 5.618G            | 83   | 5.526G            | 84   | 5.452G            |
| 85                                               | 5.301G            | 86   | 5.460G            | 87   | 5.652G            | 88   | 5.592G            |
| 89                                               | 5.547G            | 90   | 5.286G            | 91   | 5.614G            | 92   | 5.603G            |
| 93                                               | 5.696G            | 94   | 5.484G            | 95   | 5.721G            | 96   | 5.343G            |
| 97                                               | 5.519G            | 98   | 5.667G            | 99   | 5.407G            | 100  | 5.489G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.338G            | 2    | 5.690G            | 3    | 5.513G            | 4    | 5.614G            |
| 5                                                | 5.452G            | 6    | 5.451G            | 7    | 5.357G            | 8    | 5.646G            |
| 9                                                | 5.375G            | 10   | 5.403G            | 11   | 5.400G            | 12   | 5.341G            |
| 13                                               | 5.469G            | 14   | 5.723G            | 15   | 5.707G            | 16   | 5.314G            |
| 17                                               | 5.708G            | 18   | 5.474G            | 19   | 5.336G            | 20   | 5.416G            |
| 21                                               | 5.427G            | 22   | 5.521G            | 23   | 5.593G            | 24   | 5.611G            |
| 25                                               | 5.598G            | 26   | 5.558G            | 27   | 5.652G            | 28   | 5.581G            |
| 29                                               | 5.383G            | 30   | 5.642G            | 31   | 5.313G            | 32   | 5.649G            |
| 33                                               | 5.722G            | 34   | 5.664G            | 35   | 5.561G            | 36   | 5.594G            |
| 37                                               | 5.266G            | 38   | 5.334G            | 39   | 5.685G            | 40   | 5.701G            |
| 41                                               | 5.437G            | 42   | 5.544G            | 43   | 5.332G            | 44   | 5.603G            |
| 45                                               | 5.465G            | 46   | 5.379G            | 47   | 5.579G            | 48   | 5.262G            |
| 49                                               | 5.250G            | 50   | 5.724G            | 51   | 5.283G            | 52   | 5.291G            |
| 53                                               | 5.587G            | 54   | 5.391G            | 55   | 5.329G            | 56   | 5.382G            |
| 57                                               | 5.372G            | 58   | 5.645G            | 59   | 5.455G            | 60   | 5.596G            |
| 61                                               | 5.422G            | 62   | 5.251G            | 63   | 5.609G            | 64   | 5.559G            |
| 65                                               | 5.497G            | 66   | 5.253G            | 67   | 5.545G            | 68   | 5.438G            |
| 69                                               | 5.488G            | 70   | 5.697G            | 71   | 5.503G            | 72   | 5.348G            |
| 73                                               | 5.583G            | 74   | 5.390G            | 75   | 5.647G            | 76   | 5.377G            |
| 77                                               | 5.535G            | 78   | 5.298G            | 79   | 5.556G            | 80   | 5.571G            |
| 81                                               | 5.644G            | 82   | 5.625G            | 83   | 5.490G            | 84   | 5.610G            |
| 85                                               | 5.592G            | 86   | 5.426G            | 87   | 5.280G            | 88   | 5.591G            |
| 89                                               | 5.305G            | 90   | 5.564G            | 91   | 5.721G            | 92   | 5.285G            |
| 93                                               | 5.526G            | 94   | 5.315G            | 95   | 5.698G            | 96   | 5.624G            |
| 97                                               | 5.258G            | 98   | 5.505G            | 99   | 5.606G            | 100  | 5.516G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.337G            | 2    | 5.639G            | 3    | 5.406G            | 4    | 5.583G            |
| 5                                                | 5.403G            | 6    | 5.551G            | 7    | 5.705G            | 8    | 5.571G            |
| 9                                                | 5.488G            | 10   | 5.253G            | 11   | 5.519G            | 12   | 5.369G            |
| 13                                               | 5.575G            | 14   | 5.445G            | 15   | 5.511G            | 16   | 5.419G            |
| 17                                               | 5.619G            | 18   | 5.261G            | 19   | 5.473G            | 20   | 5.710G            |
| 21                                               | 5.580G            | 22   | 5.657G            | 23   | 5.446G            | 24   | 5.508G            |
| 25                                               | 5.355G            | 26   | 5.634G            | 27   | 5.334G            | 28   | 5.460G            |
| 29                                               | 5.648G            | 30   | 5.546G            | 31   | 5.608G            | 32   | 5.674G            |
| 33                                               | 5.534G            | 34   | 5.723G            | 35   | 5.256G            | 36   | 5.629G            |
| 37                                               | 5.459G            | 38   | 5.352G            | 39   | 5.293G            | 40   | 5.517G            |
| 41                                               | 5.322G            | 42   | 5.467G            | 43   | 5.557G            | 44   | 5.672G            |
| 45                                               | 5.703G            | 46   | 5.415G            | 47   | 5.296G            | 48   | 5.547G            |
| 49                                               | 5.435G            | 50   | 5.465G            | 51   | 5.260G            | 52   | 5.282G            |
| 53                                               | 5.374G            | 54   | 5.430G            | 55   | 5.494G            | 56   | 5.640G            |
| 57                                               | 5.268G            | 58   | 5.432G            | 59   | 5.392G            | 60   | 5.307G            |
| 61                                               | 5.393G            | 62   | 5.344G            | 63   | 5.416G            | 64   | 5.285G            |
| 65                                               | 5.638G            | 66   | 5.597G            | 67   | 5.516G            | 68   | 5.690G            |
| 69                                               | 5.449G            | 70   | 5.504G            | 71   | 5.572G            | 72   | 5.669G            |
| 73                                               | 5.594G            | 74   | 5.532G            | 75   | 5.628G            | 76   | 5.673G            |
| 77                                               | 5.448G            | 78   | 5.537G            | 79   | 5.326G            | 80   | 5.266G            |
| 81                                               | 5.697G            | 82   | 5.522G            | 83   | 5.678G            | 84   | 5.655G            |
| 85                                               | 5.422G            | 86   | 5.317G            | 87   | 5.602G            | 88   | 5.264G            |
| 89                                               | 5.589G            | 90   | 5.627G            | 91   | 5.491G            | 92   | 5.701G            |
| 93                                               | 5.436G            | 94   | 5.680G            | 95   | 5.478G            | 96   | 5.558G            |
| 97                                               | 5.320G            | 98   | 5.662G            | 99   | 5.525G            | 100  | 5.434G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.518G            | 2    | 5.489G            | 3    | 5.280G            | 4    | 5.598G            |
| 5                                                | 5.417G            | 6    | 5.447G            | 7    | 5.418G            | 8    | 5.400G            |
| 9                                                | 5.674G            | 10   | 5.631G            | 11   | 5.668G            | 12   | 5.577G            |
| 13                                               | 5.654G            | 14   | 5.251G            | 15   | 5.570G            | 16   | 5.649G            |
| 17                                               | 5.318G            | 18   | 5.373G            | 19   | 5.558G            | 20   | 5.544G            |
| 21                                               | 5.331G            | 22   | 5.695G            | 23   | 5.395G            | 24   | 5.628G            |
| 25                                               | 5.551G            | 26   | 5.338G            | 27   | 5.678G            | 28   | 5.375G            |
| 29                                               | 5.448G            | 30   | 5.254G            | 31   | 5.693G            | 32   | 5.273G            |
| 33                                               | 5.501G            | 34   | 5.596G            | 35   | 5.406G            | 36   | 5.295G            |
| 37                                               | 5.253G            | 38   | 5.430G            | 39   | 5.315G            | 40   | 5.650G            |
| 41                                               | 5.565G            | 42   | 5.504G            | 43   | 5.533G            | 44   | 5.664G            |
| 45                                               | 5.547G            | 46   | 5.307G            | 47   | 5.385G            | 48   | 5.561G            |
| 49                                               | 5.521G            | 50   | 5.303G            | 51   | 5.383G            | 52   | 5.525G            |
| 53                                               | 5.300G            | 54   | 5.641G            | 55   | 5.613G            | 56   | 5.291G            |
| 57                                               | 5.614G            | 58   | 5.588G            | 59   | 5.365G            | 60   | 5.294G            |
| 61                                               | 5.600G            | 62   | 5.445G            | 63   | 5.387G            | 64   | 5.468G            |
| 65                                               | 5.405G            | 66   | 5.429G            | 67   | 5.450G            | 68   | 5.288G            |
| 69                                               | 5.462G            | 70   | 5.464G            | 71   | 5.443G            | 72   | 5.659G            |
| 73                                               | 5.344G            | 74   | 5.636G            | 75   | 5.611G            | 76   | 5.432G            |
| 77                                               | 5.341G            | 78   | 5.532G            | 79   | 5.420G            | 80   | 5.449G            |
| 81                                               | 5.284G            | 82   | 5.414G            | 83   | 5.724G            | 84   | 5.440G            |
| 85                                               | 5.556G            | 86   | 5.455G            | 87   | 5.499G            | 88   | 5.474G            |
| 89                                               | 5.481G            | 90   | 5.363G            | 91   | 5.478G            | 92   | 5.456G            |
| 93                                               | 5.264G            | 94   | 5.633G            | 95   | 5.589G            | 96   | 5.686G            |
| 97                                               | 5.538G            | 98   | 5.569G            | 99   | 5.524G            | 100  | 5.578G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.368G            | 2    | 5.583G            | 3    | 5.564G            | 4    | 5.520G            |
| 5                                                | 5.428G            | 6    | 5.366G            | 7    | 5.611G            | 8    | 5.390G            |
| 9                                                | 5.616G            | 10   | 5.556G            | 11   | 5.539G            | 12   | 5.485G            |
| 13                                               | 5.360G            | 14   | 5.302G            | 15   | 5.581G            | 16   | 5.614G            |
| 17                                               | 5.353G            | 18   | 5.358G            | 19   | 5.582G            | 20   | 5.325G            |
| 21                                               | 5.348G            | 22   | 5.292G            | 23   | 5.287G            | 24   | 5.567G            |
| 25                                               | 5.615G            | 26   | 5.346G            | 27   | 5.531G            | 28   | 5.263G            |
| 29                                               | 5.272G            | 30   | 5.282G            | 31   | 5.657G            | 32   | 5.554G            |
| 33                                               | 5.618G            | 34   | 5.580G            | 35   | 5.525G            | 36   | 5.291G            |
| 37                                               | 5.715G            | 38   | 5.343G            | 39   | 5.534G            | 40   | 5.312G            |
| 41                                               | 5.275G            | 42   | 5.270G            | 43   | 5.718G            | 44   | 5.696G            |
| 45                                               | 5.671G            | 46   | 5.307G            | 47   | 5.332G            | 48   | 5.721G            |
| 49                                               | 5.462G            | 50   | 5.714G            | 51   | 5.451G            | 52   | 5.679G            |
| 53                                               | 5.422G            | 54   | 5.317G            | 55   | 5.640G            | 56   | 5.695G            |
| 57                                               | 5.722G            | 58   | 5.598G            | 59   | 5.607G            | 60   | 5.648G            |
| 61                                               | 5.547G            | 62   | 5.396G            | 63   | 5.523G            | 64   | 5.659G            |
| 65                                               | 5.624G            | 66   | 5.584G            | 67   | 5.660G            | 68   | 5.452G            |
| 69                                               | 5.550G            | 70   | 5.440G            | 71   | 5.683G            | 72   | 5.382G            |
| 73                                               | 5.562G            | 74   | 5.578G            | 75   | 5.513G            | 76   | 5.393G            |
| 77                                               | 5.379G            | 78   | 5.409G            | 79   | 5.362G            | 80   | 5.297G            |
| 81                                               | 5.597G            | 82   | 5.337G            | 83   | 5.711G            | 84   | 5.460G            |
| 85                                               | 5.576G            | 86   | 5.605G            | 87   | 5.645G            | 88   | 5.591G            |
| 89                                               | 5.667G            | 90   | 5.398G            | 91   | 5.456G            | 92   | 5.380G            |
| 93                                               | 5.710G            | 94   | 5.636G            | 95   | 5.315G            | 96   | 5.277G            |
| 97                                               | 5.441G            | 98   | 5.676G            | 99   | 5.593G            | 100  | 5.394G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.336G            | 2    | 5.506G            | 3    | 5.514G            | 4    | 5.286G            |
| 5                                                | 5.715G            | 6    | 5.452G            | 7    | 5.408G            | 8    | 5.722G            |
| 9                                                | 5.332G            | 10   | 5.606G            | 11   | 5.608G            | 12   | 5.630G            |
| 13                                               | 5.676G            | 14   | 5.547G            | 15   | 5.568G            | 16   | 5.436G            |
| 17                                               | 5.503G            | 18   | 5.344G            | 19   | 5.723G            | 20   | 5.331G            |
| 21                                               | 5.637G            | 22   | 5.454G            | 23   | 5.589G            | 24   | 5.517G            |
| 25                                               | 5.586G            | 26   | 5.474G            | 27   | 5.267G            | 28   | 5.686G            |
| 29                                               | 5.333G            | 30   | 5.540G            | 31   | 5.585G            | 32   | 5.678G            |
| 33                                               | 5.482G            | 34   | 5.549G            | 35   | 5.473G            | 36   | 5.695G            |
| 37                                               | 5.412G            | 38   | 5.600G            | 39   | 5.620G            | 40   | 5.272G            |
| 41                                               | 5.499G            | 42   | 5.424G            | 43   | 5.366G            | 44   | 5.594G            |
| 45                                               | 5.526G            | 46   | 5.625G            | 47   | 5.632G            | 48   | 5.572G            |
| 49                                               | 5.260G            | 50   | 5.463G            | 51   | 5.679G            | 52   | 5.444G            |
| 53                                               | 5.716G            | 54   | 5.388G            | 55   | 5.587G            | 56   | 5.592G            |
| 57                                               | 5.399G            | 58   | 5.327G            | 59   | 5.607G            | 60   | 5.529G            |
| 61                                               | 5.455G            | 62   | 5.554G            | 63   | 5.688G            | 64   | 5.534G            |
| 65                                               | 5.250G            | 66   | 5.295G            | 67   | 5.541G            | 68   | 5.402G            |
| 69                                               | 5.551G            | 70   | 5.595G            | 71   | 5.459G            | 72   | 5.516G            |
| 73                                               | 5.467G            | 74   | 5.544G            | 75   | 5.358G            | 76   | 5.393G            |
| 77                                               | 5.490G            | 78   | 5.656G            | 79   | 5.493G            | 80   | 5.639G            |
| 81                                               | 5.410G            | 82   | 5.494G            | 83   | 5.346G            | 84   | 5.304G            |
| 85                                               | 5.357G            | 86   | 5.616G            | 87   | 5.339G            | 88   | 5.316G            |
| 89                                               | 5.318G            | 90   | 5.510G            | 91   | 5.405G            | 92   | 5.697G            |
| 93                                               | 5.483G            | 94   | 5.535G            | 95   | 5.672G            | 96   | 5.645G            |
| 97                                               | 5.558G            | 98   | 5.284G            | 99   | 5.460G            | 100  | 5.519G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.666G            | 2    | 5.685G            | 3    | 5.395G            | 4    | 5.370G            |
| 5                                                | 5.611G            | 6    | 5.291G            | 7    | 5.687G            | 8    | 5.327G            |
| 9                                                | 5.307G            | 10   | 5.486G            | 11   | 5.389G            | 12   | 5.604G            |
| 13                                               | 5.319G            | 14   | 5.463G            | 15   | 5.445G            | 16   | 5.357G            |
| 17                                               | 5.415G            | 18   | 5.721G            | 19   | 5.587G            | 20   | 5.585G            |
| 21                                               | 5.558G            | 22   | 5.574G            | 23   | 5.675G            | 24   | 5.566G            |
| 25                                               | 5.679G            | 26   | 5.570G            | 27   | 5.488G            | 28   | 5.640G            |
| 29                                               | 5.406G            | 30   | 5.617G            | 31   | 5.386G            | 32   | 5.592G            |
| 33                                               | 5.382G            | 34   | 5.448G            | 35   | 5.479G            | 36   | 5.461G            |
| 37                                               | 5.273G            | 38   | 5.671G            | 39   | 5.458G            | 40   | 5.432G            |
| 41                                               | 5.544G            | 42   | 5.271G            | 43   | 5.628G            | 44   | 5.343G            |
| 45                                               | 5.689G            | 46   | 5.709G            | 47   | 5.691G            | 48   | 5.529G            |
| 49                                               | 5.540G            | 50   | 5.633G            | 51   | 5.623G            | 52   | 5.667G            |
| 53                                               | 5.536G            | 54   | 5.277G            | 55   | 5.577G            | 56   | 5.625G            |
| 57                                               | 5.454G            | 58   | 5.595G            | 59   | 5.660G            | 60   | 5.564G            |
| 61                                               | 5.673G            | 62   | 5.362G            | 63   | 5.692G            | 64   | 5.252G            |
| 65                                               | 5.680G            | 66   | 5.304G            | 67   | 5.459G            | 68   | 5.436G            |
| 69                                               | 5.314G            | 70   | 5.723G            | 71   | 5.423G            | 72   | 5.651G            |
| 73                                               | 5.435G            | 74   | 5.553G            | 75   | 5.562G            | 76   | 5.602G            |
| 77                                               | 5.368G            | 78   | 5.646G            | 79   | 5.441G            | 80   | 5.412G            |
| 81                                               | 5.718G            | 82   | 5.552G            | 83   | 5.430G            | 84   | 5.607G            |
| 85                                               | 5.404G            | 86   | 5.393G            | 87   | 5.420G            | 88   | 5.672G            |
| 89                                               | 5.669G            | 90   | 5.596G            | 91   | 5.384G            | 92   | 5.428G            |
| 93                                               | 5.495G            | 94   | 5.268G            | 95   | 5.606G            | 96   | 5.551G            |
| 97                                               | 5.377G            | 98   | 5.588G            | 99   | 5.352G            | 100  | 5.477G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.458G            | 2    | 5.613G            | 3    | 5.717G            | 4    | 5.475G            |
| 5                                                | 5.607G            | 6    | 5.589G            | 7    | 5.417G            | 8    | 5.406G            |
| 9                                                | 5.298G            | 10   | 5.318G            | 11   | 5.710G            | 12   | 5.667G            |
| 13                                               | 5.351G            | 14   | 5.347G            | 15   | 5.300G            | 16   | 5.619G            |
| 17                                               | 5.309G            | 18   | 5.502G            | 19   | 5.578G            | 20   | 5.639G            |
| 21                                               | 5.573G            | 22   | 5.448G            | 23   | 5.462G            | 24   | 5.721G            |
| 25                                               | 5.389G            | 26   | 5.509G            | 27   | 5.414G            | 28   | 5.443G            |
| 29                                               | 5.262G            | 30   | 5.571G            | 31   | 5.558G            | 32   | 5.285G            |
| 33                                               | 5.529G            | 34   | 5.606G            | 35   | 5.419G            | 36   | 5.352G            |
| 37                                               | 5.566G            | 38   | 5.459G            | 39   | 5.304G            | 40   | 5.398G            |
| 41                                               | 5.339G            | 42   | 5.408G            | 43   | 5.281G            | 44   | 5.663G            |
| 45                                               | 5.690G            | 46   | 5.405G            | 47   | 5.335G            | 48   | 5.577G            |
| 49                                               | 5.491G            | 50   | 5.424G            | 51   | 5.411G            | 52   | 5.581G            |
| 53                                               | 5.715G            | 54   | 5.686G            | 55   | 5.267G            | 56   | 5.594G            |
| 57                                               | 5.277G            | 58   | 5.596G            | 59   | 5.457G            | 60   | 5.554G            |
| 61                                               | 5.388G            | 62   | 5.669G            | 63   | 5.474G            | 64   | 5.720G            |
| 65                                               | 5.453G            | 66   | 5.658G            | 67   | 5.500G            | 68   | 5.677G            |
| 69                                               | 5.358G            | 70   | 5.287G            | 71   | 5.338G            | 72   | 5.394G            |
| 73                                               | 5.609G            | 74   | 5.676G            | 75   | 5.353G            | 76   | 5.379G            |
| 77                                               | 5.616G            | 78   | 5.625G            | 79   | 5.257G            | 80   | 5.595G            |
| 81                                               | 5.588G            | 82   | 5.426G            | 83   | 5.556G            | 84   | 5.680G            |
| 85                                               | 5.373G            | 86   | 5.674G            | 87   | 5.350G            | 88   | 5.628G            |
| 89                                               | 5.423G            | 90   | 5.418G            | 91   | 5.260G            | 92   | 5.590G            |
| 93                                               | 5.392G            | 94   | 5.532G            | 95   | 5.478G            | 96   | 5.582G            |
| 97                                               | 5.562G            | 98   | 5.326G            | 99   | 5.548G            | 100  | 5.286G            |

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| Type 1 Radar Statistical Performances |                  |                 |                                   |         |                       |                        |
|---------------------------------------|------------------|-----------------|-----------------------------------|---------|-----------------------|------------------------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | Pulse Repetition Frequency Number | PRI (s) | Radar Frequency (MHz) | Detection              |
| 1                                     | 102              | 1.0u            | 1                                 | 518.0u  | 5291                  | Yes                    |
| 2                                     | 95               | 1.0u            | 3                                 | 558.0u  | 5293                  | Yes                    |
| 3                                     | 89               | 1.0u            | 5                                 | 598.0u  | 5294                  | Yes                    |
| 4                                     | 83               | 1.0u            | 7                                 | 638.0u  | 5295                  | Yes                    |
| 5                                     | 78               | 1.0u            | 9                                 | 678.0u  | 5297                  | Yes                    |
| 6                                     | 76               | 1.0u            | 10                                | 698.0u  | 5299                  | Yes                    |
| 7                                     | 74               | 1.0u            | 11                                | 718.0u  | 5300                  | Yes                    |
| 8                                     | 72               | 1.0u            | 12                                | 738.0u  | 5301                  | Yes                    |
| 9                                     | 68               | 1.0u            | 14                                | 778.0u  | 5303                  | Yes                    |
| 10                                    | 67               | 1.0u            | 15                                | 798.0u  | 5305                  | Yes                    |
| 11                                    | 63               | 1.0u            | 17                                | 838.0u  | 5306                  | Yes                    |
| 12                                    | 62               | 1.0u            | 18                                | 858.0u  | 5307                  | Yes                    |
| 13                                    | 59               | 1.0u            | 20                                | 898.0u  | 5308                  | No                     |
| 14                                    | 58               | 1.0u            | 21                                | 918.0u  | 5309                  | Yes                    |
| 15                                    | 57               | 1.0u            | 22                                | 938.0u  | 5310                  | Yes                    |
| 16                                    | 66               | 1.0u            | -                                 | 805.0u  | 5312                  | No                     |
| 17                                    | 63               | 1.0u            | -                                 | 845.0u  | 5313                  | Yes                    |
| 18                                    | 60               | 1.0u            | -                                 | 885.0u  | 5314                  | Yes                    |
| 19                                    | 59               | 1.0u            | -                                 | 905.0u  | 5316                  | Yes                    |
| 20                                    | 69               | 1.0u            | -                                 | 771.0u  | 5317                  | Yes                    |
| 21                                    | 66               | 1.0u            | -                                 | 811.0u  | 5319                  | Yes                    |
| 22                                    | 63               | 1.0u            | -                                 | 851.0u  | 5320                  | Yes                    |
| 23                                    | 60               | 1.0u            | -                                 | 891.0u  | 5322                  | Yes                    |
| 24                                    | 58               | 1.0u            | -                                 | 911.0u  | 5323                  | Yes                    |
| 25                                    | 92               | 1.0u            | -                                 | 577.0u  | 5324                  | Yes                    |
| 26                                    | 86               | 1.0u            | -                                 | 617.0u  | 5325                  | Yes                    |
| 27                                    | 78               | 1.0u            | -                                 | 677.0u  | 5326                  | Yes                    |
| 28                                    | 74               | 1.0u            | -                                 | 717.0u  | 5327                  | Yes                    |
| 29                                    | 68               | 1.0u            | -                                 | 777.0u  | 5328                  | Yes                    |
| 30                                    | 58               | 1.0u            | -                                 | 917.0u  | 5329                  | Yes                    |
|                                       |                  |                 |                                   |         |                       | Detection Rate: 93.3 % |

| Type 2 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 25               | 4.6u            | 200.0u  | 5291                  | Yes       |
| 2                                     | 27               | 2.8u            | 200.0u  | 5293                  | Yes       |
| 3                                     | 27               | 1.7u            | 161.0u  | 5294                  | Yes       |
| 4                                     | 28               | 2.6u            | 220.0u  | 5295                  | Yes       |
| 5                                     | 27               | 2.6u            | 218.0u  | 5297                  | Yes       |
| 6                                     | 27               | 1.7u            | 172.0u  | 5299                  | Yes       |
| 7                                     | 26               | 1.6u            | 191.0u  | 5300                  | Yes       |
| 8                                     | 25               | 3.7u            | 158.0u  | 5301                  | Yes       |
| 9                                     | 28               | 1.5u            | 228.0u  | 5303                  | Yes       |
| 10                                    | 26               | 4.9u            | 198.0u  | 5305                  | Yes       |
| 11                                    | 28               | 1.3u            | 205.0u  | 5306                  | Yes       |
| 12                                    | 29               | 2.6u            | 155.0u  | 5307                  | Yes       |
| 13                                    | 28               | 4.9u            | 224.0u  | 5308                  | Yes       |
| 14                                    | 24               | 2.9u            | 169.0u  | 5309                  | Yes       |
| 15                                    | 28               | 4.1u            | 183.0u  | 5310                  | Yes       |
| 16                                    | 27               | 1.7u            | 192.0u  | 5312                  | Yes       |
| 17                                    | 24               | 2.6u            | 191.0u  | 5313                  | Yes       |
| 18                                    | 27               | 4.6u            | 173.0u  | 5314                  | Yes       |
| 19                                    | 28               | 3.4u            | 187.0u  | 5316                  | No        |
| 20                                    | 27               | 4.3u            | 214.0u  | 5317                  | Yes       |
| 21                                    | 29               | 1.2u            | 179.0u  | 5319                  | Yes       |
| 22                                    | 25               | 1.1u            | 154.0u  | 5320                  | Yes       |
| 23                                    | 25               | 4.1u            | 159.0u  | 5322                  | Yes       |
| 24                                    | 28               | 2.9u            | 158.0u  | 5323                  | Yes       |
| 25                                    | 25               | 2.8u            | 215.0u  | 5324                  | Yes       |
| 26                                    | 27               | 4.0u            | 196.0u  | 5325                  | Yes       |
| 27                                    | 27               | 4.5u            | 215.0u  | 5326                  | Yes       |
| 28                                    | 27               | 2.9u            | 180.0u  | 5327                  | Yes       |
| 29                                    | 27               | 1.5u            | 177.0u  | 5328                  | Yes       |
| 30                                    | 28               | 1.6u            | 186.0u  | 5329                  | Yes       |
| Detection Rate: 96.7 %                |                  |                 |         |                       |           |

| Type 3 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 17               | 9.6u            | 218.0u  | 5291                  | Yes       |
| 2                                     | 18               | 8.4u            | 494.0u  | 5293                  | Yes       |
| 3                                     | 17               | 8.7u            | 375.0u  | 5294                  | Yes       |
| 4                                     | 18               | 7.0u            | 379.0u  | 5295                  | Yes       |
| 5                                     | 17               | 8.9u            | 401.0u  | 5297                  | Yes       |
| 6                                     | 17               | 8.3u            | 348.0u  | 5299                  | No        |
| 7                                     | 16               | 6.2u            | 454.0u  | 5300                  | Yes       |
| 8                                     | 18               | 9.2u            | 299.0u  | 5301                  | Yes       |
| 9                                     | 16               | 9.6u            | 347.0u  | 5303                  | Yes       |
| 10                                    | 16               | 7.0u            | 293.0u  | 5305                  | Yes       |
| 11                                    | 17               | 9.7u            | 434.0u  | 5306                  | Yes       |
| 12                                    | 16               | 9.5u            | 405.0u  | 5307                  | Yes       |
| 13                                    | 17               | 9.0u            | 459.0u  | 5308                  | Yes       |
| 14                                    | 18               | 6.2u            | 349.0u  | 5309                  | Yes       |
| 15                                    | 17               | 7.9u            | 225.0u  | 5310                  | Yes       |
| 16                                    | 18               | 8.0u            | 384.0u  | 5312                  | Yes       |
| 17                                    | 17               | 6.5u            | 220.0u  | 5313                  | Yes       |
| 18                                    | 16               | 8.4u            | 225.0u  | 5314                  | No        |
| 19                                    | 17               | 6.1u            | 210.0u  | 5316                  | Yes       |
| 20                                    | 16               | 6.0u            | 260.0u  | 5317                  | Yes       |
| 21                                    | 18               | 9.1u            | 470.0u  | 5319                  | Yes       |
| 22                                    | 16               | 7.1u            | 474.0u  | 5320                  | Yes       |
| 23                                    | 18               | 9.1u            | 433.0u  | 5322                  | No        |
| 24                                    | 18               | 9.1u            | 296.0u  | 5323                  | Yes       |
| 25                                    | 16               | 8.5u            | 368.0u  | 5324                  | Yes       |
| 26                                    | 16               | 6.4u            | 315.0u  | 5325                  | Yes       |
| 27                                    | 17               | 6.9u            | 204.0u  | 5326                  | Yes       |
| 28                                    | 18               | 6.8u            | 309.0u  | 5327                  | Yes       |
| 29                                    | 17               | 9.2u            | 351.0u  | 5328                  | Yes       |
| 30                                    | 17               | 9.0u            | 201.0u  | 5329                  | Yes       |
| Detection Rate: 90 %                  |                  |                 |         |                       |           |

| Type 4 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 14               | 14.3u           | 312.0u  | 5291                  | Yes       |
| 2                                     | 13               | 18.3u           | 368.0u  | 5293                  | Yes       |
| 3                                     | 13               | 18.4u           | 392.0u  | 5294                  | Yes       |
| 4                                     | 16               | 14.9u           | 457.0u  | 5295                  | Yes       |
| 5                                     | 13               | 15.9u           | 337.0u  | 5297                  | Yes       |
| 6                                     | 14               | 13.7u           | 413.0u  | 5299                  | Yes       |
| 7                                     | 13               | 13.6u           | 263.0u  | 5300                  | Yes       |
| 8                                     | 14               | 11.2u           | 484.0u  | 5301                  | Yes       |
| 9                                     | 12               | 11.6u           | 341.0u  | 5303                  | Yes       |
| 10                                    | 14               | 18.2u           | 448.0u  | 5305                  | Yes       |
| 11                                    | 14               | 14.2u           | 423.0u  | 5306                  | No        |
| 12                                    | 14               | 12.4u           | 470.0u  | 5307                  | Yes       |
| 13                                    | 13               | 18.0u           | 336.0u  | 5308                  | Yes       |
| 14                                    | 15               | 17.8u           | 213.0u  | 5309                  | No        |
| 15                                    | 14               | 11.8u           | 297.0u  | 5310                  | Yes       |
| 16                                    | 15               | 16.6u           | 436.0u  | 5312                  | Yes       |
| 17                                    | 15               | 16.8u           | 298.0u  | 5313                  | Yes       |
| 18                                    | 13               | 14.9u           | 459.0u  | 5314                  | Yes       |
| 19                                    | 14               | 19.5u           | 286.0u  | 5316                  | Yes       |
| 20                                    | 16               | 18.4u           | 462.0u  | 5317                  | Yes       |
| 21                                    | 15               | 19.0u           | 314.0u  | 5319                  | Yes       |
| 22                                    | 15               | 16.2u           | 284.0u  | 5320                  | Yes       |
| 23                                    | 13               | 16.9u           | 396.0u  | 5322                  | Yes       |
| 24                                    | 15               | 14.9u           | 202.0u  | 5323                  | Yes       |
| 25                                    | 14               | 17.8u           | 492.0u  | 5324                  | Yes       |
| 26                                    | 12               | 14.2u           | 451.0u  | 5325                  | Yes       |
| 27                                    | 12               | 18.2u           | 350.0u  | 5326                  | Yes       |
| 28                                    | 15               | 14.7u           | 204.0u  | 5327                  | Yes       |
| 29                                    | 12               | 16.6u           | 418.0u  | 5328                  | Yes       |
| 30                                    | 13               | 14.1u           | 218.0u  | 5329                  | Yes       |
| Detection Rate: 93.3 %                |                  |                 |         |                       |           |

| Type 5 Radar Statistical Performances |                  |           |
|---------------------------------------|------------------|-----------|
| Trial #                               | Test Signal Name | Detection |
| 1                                     | LP_Signal_01     | No        |
| 2                                     | LP_Signal_02     | No        |
| 3                                     | LP_Signal_03     | Yes       |
| 4                                     | LP_Signal_04     | Yes       |
| 5                                     | LP_Signal_05     | Yes       |
| 6                                     | LP_Signal_06     | Yes       |
| 7                                     | LP_Signal_07     | Yes       |
| 8                                     | LP_Signal_08     | Yes       |
| 9                                     | LP_Signal_09     | Yes       |
| 10                                    | LP_Signal_10     | Yes       |
| 11                                    | LP_Signal_11     | Yes       |
| 12                                    | LP_Signal_12     | Yes       |
| 13                                    | LP_Signal_13     | Yes       |
| 14                                    | LP_Signal_14     | Yes       |
| 15                                    | LP_Signal_15     | Yes       |
| 16                                    | LP_Signal_16     | Yes       |
| 17                                    | LP_Signal_17     | Yes       |
| 18                                    | LP_Signal_18     | Yes       |
| 19                                    | LP_Signal_19     | Yes       |
| 20                                    | LP_Signal_20     | Yes       |
| 21                                    | LP_Signal_21     | Yes       |
| 22                                    | LP_Signal_22     | Yes       |
| 23                                    | LP_Signal_23     | Yes       |
| 24                                    | LP_Signal_24     | Yes       |
| 25                                    | LP_Signal_25     | Yes       |
| 26                                    | LP_Signal_26     | Yes       |
| 27                                    | LP_Signal_27     | Yes       |
| 28                                    | LP_Signal_28     | Yes       |
| 29                                    | LP_Signal_29     | No        |
| 30                                    | LP_Signal_30     | No        |
| Detection Rate: 86.7 %                |                  |           |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_01  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5294MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 5M            | 50.4u              | 1.916m                      | -                           | 334.6m                |
| 2                               | 2                   | 5M            | 54.2u              | 1.760m                      | -                           | 40.17m                |
| 3                               | 2                   | 5M            | 66.7u              | 1.591m                      | -                           | 375.0m                |
| 4                               | 1                   | 5M            | 81.8u              | -                           | -                           | 224.8m                |
| 5                               | 3                   | 5M            | 85.3u              | 1.562m                      | 1.550m                      | 598.5m                |
| 6                               | 2                   | 5M            | 50.9u              | 1.097m                      | -                           | 247.8m                |
| 7                               | 3                   | 5M            | 71.5u              | 1.403m                      | 1.250m                      | 384.9m                |
| 8                               | 1                   | 5M            | 57.3u              | -                           | -                           | 545.1m                |
| 9                               | 1                   | 5M            | 99.4u              | -                           | -                           | 327.7m                |
| 10                              | 2                   | 5M            | 81.7u              | 1.762m                      | -                           | 346.5m                |
| 11                              | 3                   | 5M            | 87.0u              | 1.625m                      | 1.683m                      | 237.2m                |
| 12                              | 2                   | 5M            | 94.9u              | 1.522m                      | -                           | 585.4m                |
| 13                              | 2                   | 5M            | 83.5u              | 1.529m                      | -                           | 480.1m                |
| 14                              | 2                   | 5M            | 66.1u              | 1.677m                      | -                           | 545.9m                |
| 15                              | 2                   | 5M            | 52.9u              | 1.709m                      | -                           | 563.8m                |
| 16                              | 3                   | 5M            | 51.5u              | 1.865m                      | 1.887m                      | 433.2m                |
| 17                              | 1                   | 5M            | 82.8u              | -                           | -                           | 4.846m                |
| 18                              | 2                   | 5M            | 84.6u              | 957.4u                      | -                           | 397.1m                |
| 19                              | 3                   | 5M            | 70.6u              | 1.247m                      | 1.791m                      | 432.2m                |



| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_02  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 13   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5294MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 2                | 5M         | 64.2u           | 1.510m                   | -                        | 171.7m             |
| 2                               | 2                | 5M         | 85.7u           | 1.457m                   | -                        | 23.95m             |
| 3                               | 3                | 5M         | 93.8u           | 1.348m                   | 1.769m                   | 685.0m             |
| 4                               | 3                | 5M         | 85.1u           | 1.065m                   | 1.624m                   | 112.8m             |
| 5                               | 1                | 5M         | 84.7u           | -                        | -                        | 797.2m             |
| 6                               | 2                | 5M         | 80.4u           | 1.702m                   | -                        | 14.43m             |
| 7                               | 1                | 5M         | 98.4u           | -                        | -                        | 314.4m             |
| 8                               | 2                | 5M         | 71.1u           | 1.369m                   | -                        | 529.1m             |
| 9                               | 1                | 5M         | 98.6u           | -                        | -                        | 667.9m             |
| 10                              | 2                | 5M         | 91.7u           | 1.176m                   | -                        | 571.6m             |
| 11                              | 2                | 5M         | 69.1u           | 1.770m                   | -                        | 615.7m             |
| 12                              | 2                | 5M         | 90.9u           | 1.511m                   | -                        | 676.8m             |
| 13                              | 2                | 5M         | 89.6u           | 1.199m                   | -                        | 683.8m             |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_03  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 9    |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5295MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 3                | 8M         | 71.1u           | 1.222m                   | 1.413m                   | 444.6m             |
| 2                               | 2                | 8M         | 59.0u           | 1.893m                   | -                        | 289.7m             |
| 3                               | 2                | 8M         | 60.7u           | 1.211m                   | -                        | 933.9m             |
| 4                               | 3                | 8M         | 68.6u           | 1.430m                   | 1.751m                   | 827.1m             |
| 5                               | 3                | 8M         | 78.0u           | 1.707m                   | 1.351m                   | 65.79m             |
| 6                               | 3                | 8M         | 95.0u           | 1.577m                   | 1.175m                   | 1.235              |
| 7                               | 2                | 8M         | 94.0u           | 1.043m                   | -                        | 1.170              |
| 8                               | 2                | 8M         | 82.2u           | 1.181m                   | -                        | 463.7m             |
| 9                               | 1                | 8M         | 55.8u           | -                        | -                        | 543.3m             |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_04  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 11   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5295MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 8M            | 77.4u              | 1.030m                      | 976.6u                      | 796.6m                |
| 2                               | 1                   | 8M            | 67.0u              | -                           | -                           | 626.7m                |
| 3                               | 2                   | 8M            | 66.8u              | 1.592m                      | -                           | 230.3m                |
| 4                               | 2                   | 8M            | 96.2u              | 1.786m                      | -                           | 706.5m                |
| 5                               | 1                   | 8M            | 73.5u              | -                           | -                           | 809.0m                |
| 6                               | 3                   | 8M            | 64.8u              | 1.909m                      | 1.249m                      | 95.29m                |
| 7                               | 3                   | 8M            | 69.4u              | 1.248m                      | 1.386m                      | 601.9m                |
| 8                               | 2                   | 8M            | 98.4u              | 1.041m                      | -                           | 333.4m                |
| 9                               | 1                   | 8M            | 86.7u              | -                           | -                           | 201.6m                |
| 10                              | 2                   | 8M            | 76.0u              | 1.466m                      | -                           | 691.6m                |
| 11                              | 3                   | 8M            | 64.9u              | 1.673m                      | 1.042m                      | 635.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_05  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5297MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 13M           | 71.5u              | 982.5u                      | -                           | 86.36m                |
| 2                               | 1                   | 13M           | 89.8u              | -                           | -                           | 993.6m                |
| 3                               | 1                   | 13M           | 83.2u              | -                           | -                           | 30.83m                |
| 4                               | 1                   | 13M           | 59.2u              | -                           | -                           | 837.0m                |
| 5                               | 1                   | 13M           | 68.7u              | -                           | -                           | 229.0m                |
| 6                               | 2                   | 13M           | 96.4u              | 1.547m                      | -                           | 543.5m                |
| 7                               | 2                   | 13M           | 84.2u              | 1.813m                      | -                           | 108.2m                |
| 8                               | 1                   | 13M           | 61.5u              | -                           | -                           | 194.1m                |
| 9                               | 2                   | 13M           | 87.9u              | 1.451m                      | -                           | 603.2m                |
| 10                              | 1                   | 13M           | 94.3u              | -                           | -                           | 285.9m                |
| 11                              | 2                   | 13M           | 61.6u              | 1.018m                      | -                           | 423.4m                |
| 12                              | 2                   | 13M           | 55.8u              | 1.245m                      | -                           | 287.7m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_06  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5297MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 13M           | 67.5u              | -                           | -                           | 502.0m                |
| 2                               | 1                   | 13M           | 88.4u              | -                           | -                           | 240.1m                |
| 3                               | 1                   | 13M           | 65.8u              | -                           | -                           | 262.9m                |
| 4                               | 2                   | 13M           | 62.4u              | 1.503m                      | -                           | 341.2m                |
| 5                               | 1                   | 13M           | 95.6u              | -                           | -                           | 958.2m                |
| 6                               | 3                   | 13M           | 62.0u              | 1.724m                      | 1.096m                      | 947.7m                |
| 7                               | 1                   | 13M           | 52.1u              | -                           | -                           | 612.1m                |
| 8                               | 2                   | 13M           | 50.7u              | 1.853m                      | -                           | 1.171                 |
| 9                               | 2                   | 13M           | 88.5u              | 1.693m                      | -                           | 992.4m                |
| 10                              | 2                   | 13M           | 51.3u              | 1.595m                      | -                           | 447.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_07  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 17   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5298MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 15M           | 73.3u              | 1.117m                      | -                           | 263.9m                |
| 2                               | 3                   | 15M           | 77.1u              | 1.610m                      | 1.018m                      | 283.7m                |
| 3                               | 2                   | 15M           | 70.2u              | 1.453m                      | -                           | 47.73m                |
| 4                               | 2                   | 15M           | 84.6u              | 1.444m                      | -                           | 566.8m                |
| 5                               | 3                   | 15M           | 82.8u              | 1.477m                      | 1.433m                      | 572.1m                |
| 6                               | 2                   | 15M           | 95.2u              | 987.8u                      | -                           | 614.1m                |
| 7                               | 3                   | 15M           | 95.3u              | 1.243m                      | 1.697m                      | 22.08m                |
| 8                               | 3                   | 15M           | 59.7u              | 1.441m                      | 1.343m                      | 23.27m                |
| 9                               | 3                   | 15M           | 69.3u              | 1.787m                      | 1.428m                      | 620.8m                |
| 10                              | 2                   | 15M           | 75.3u              | 1.838m                      | -                           | 693.6m                |
| 11                              | 3                   | 15M           | 91.2u              | 1.427m                      | 1.347m                      | 498.9m                |
| 12                              | 3                   | 15M           | 91.2u              | 1.212m                      | 1.579m                      | 309.3m                |
| 13                              | 2                   | 15M           | 94.7u              | 1.191m                      | -                           | 266.5m                |
| 14                              | 3                   | 15M           | 98.4u              | 1.552m                      | 1.534m                      | 614.4m                |
| 15                              | 3                   | 15M           | 54.0u              | 1.482m                      | 990.0u                      | 449.2m                |
| 16                              | 2                   | 15M           | 74.1u              | 1.675m                      | -                           | 613.7m                |
| 17                              | 2                   | 15M           | 83.4u              | 1.632m                      | -                           | 699.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_08  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 9    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5298MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 15M           | 97.5u              | -                           | -                           | 471.5m                |
| 2                               | 3                   | 15M           | 52.7u              | 1.940m                      | 1.267m                      | 85.10m                |
| 3                               | 2                   | 15M           | 85.6u              | 1.832m                      | -                           | 606.7m                |
| 4                               | 3                   | 15M           | 93.9u              | 1.311m                      | 1.757m                      | 129.9m                |
| 5                               | 2                   | 15M           | 77.8u              | 1.140m                      | -                           | 697.6m                |
| 6                               | 2                   | 15M           | 55.9u              | 1.283m                      | -                           | 587.3m                |
| 7                               | 3                   | 15M           | 77.8u              | 1.001m                      | 1.712m                      | 269.7m                |
| 8                               | 2                   | 15M           | 54.8u              | 1.560m                      | -                           | 1.196                 |
| 9                               | 2                   | 15M           | 54.1u              | 1.552m                      | -                           | 817.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_09  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 13   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5300MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 20M           | 99.7u              | 1.511m                      | 1.864m                      | 57.55m                |
| 2                               | 2                   | 20M           | 62.6u              | 1.651m                      | -                           | 208.8m                |
| 3                               | 2                   | 20M           | 78.6u              | 1.897m                      | -                           | 188.5m                |
| 4                               | 3                   | 20M           | 92.7u              | 1.075m                      | 1.701m                      | 713.1m                |
| 5                               | 2                   | 20M           | 84.2u              | 1.551m                      | -                           | 875.0m                |
| 6                               | 2                   | 20M           | 71.6u              | 1.165m                      | -                           | 311.7m                |
| 7                               | 1                   | 20M           | 67.9u              | -                           | -                           | 735.6m                |
| 8                               | 3                   | 20M           | 54.0u              | 1.098m                      | 1.873m                      | 138.9m                |
| 9                               | 1                   | 20M           | 82.3u              | -                           | -                           | 262.2m                |
| 10                              | 2                   | 20M           | 63.4u              | 1.368m                      | -                           | 14.73m                |
| 11                              | 2                   | 20M           | 64.4u              | 1.845m                      | -                           | 637.0m                |
| 12                              | 2                   | 20M           | 90.9u              | 1.294m                      | -                           | 356.2m                |
| 13                              | 1                   | 20M           | 96.9u              | -                           | -                           | 536.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_10  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5300MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 98.6u              | 1.198m                      | -                           | 344.9m                |
| 2                               | 2                   | 20M           | 57.6u              | 961.4u                      | -                           | 641.7m                |
| 3                               | 1                   | 20M           | 56.4u              | -                           | -                           | 308.8m                |
| 4                               | 1                   | 20M           | 81.4u              | -                           | -                           | 180.2m                |
| 5                               | 1                   | 20M           | 61.8u              | -                           | -                           | 297.7m                |
| 6                               | 2                   | 20M           | 90.4u              | 1.563m                      | -                           | 282.9m                |
| 7                               | 3                   | 20M           | 68.8u              | 1.515m                      | 1.370m                      | 37.46m                |
| 8                               | 1                   | 20M           | 73.9u              | -                           | -                           | 475.8m                |
| 9                               | 2                   | 20M           | 68.4u              | 1.684m                      | -                           | 117.5m                |
| 10                              | 3                   | 20M           | 95.4u              | 1.490m                      | 1.735m                      | 155.9m                |
| 11                              | 1                   | 20M           | 70.9u              | -                           | -                           | 253.8m                |
| 12                              | 1                   | 20M           | 94.7u              | -                           | -                           | 356.0m                |
| 13                              | 3                   | 20M           | 76.9u              | 1.750m                      | 1.203m                      | 56.37m                |
| 14                              | 3                   | 20M           | 80.6u              | 1.024m                      | 1.881m                      | 588.3m                |
| 15                              | 2                   | 20M           | 87.2u              | 1.015m                      | -                           | 223.6m                |
| 16                              | 2                   | 20M           | 85.9u              | 1.898m                      | -                           | 380.5m                |
| 17                              | 1                   | 20M           | 62.9u              | -                           | -                           | 127.1m                |
| 18                              | 2                   | 20M           | 96.3u              | 1.532m                      | -                           | 541.3m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_11  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 13   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5310MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 5M            | 64.2u              | 1.510m                      | -                           | 171.7m                |
| 2                               | 2                   | 5M            | 85.7u              | 1.457m                      | -                           | 23.95m                |
| 3                               | 3                   | 5M            | 93.8u              | 1.348m                      | 1.769m                      | 685.0m                |
| 4                               | 3                   | 5M            | 85.1u              | 1.065m                      | 1.624m                      | 112.8m                |
| 5                               | 1                   | 5M            | 84.7u              | -                           | -                           | 797.2m                |
| 6                               | 2                   | 5M            | 80.4u              | 1.702m                      | -                           | 14.43m                |
| 7                               | 1                   | 5M            | 98.4u              | -                           | -                           | 314.4m                |
| 8                               | 2                   | 5M            | 71.1u              | 1.369m                      | -                           | 529.1m                |
| 9                               | 1                   | 5M            | 98.6u              | -                           | -                           | 667.9m                |
| 10                              | 2                   | 5M            | 91.7u              | 1.176m                      | -                           | 571.6m                |
| 11                              | 2                   | 5M            | 69.1u              | 1.770m                      | -                           | 615.7m                |
| 12                              | 2                   | 5M            | 90.9u              | 1.511m                      | -                           | 676.8m                |
| 13                              | 2                   | 5M            | 89.6u              | 1.199m                      | -                           | 683.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_12  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5310MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 5M            | 61.2u              | 1.793m                      | 1.857m                      | 398.8m                |
| 2                               | 1                   | 5M            | 53.7u              | -                           | -                           | 300.3m                |
| 3                               | 2                   | 5M            | 82.7u              | 1.900m                      | -                           | 154.0m                |
| 4                               | 3                   | 5M            | 98.8u              | 1.369m                      | 1.879m                      | 7.212m                |
| 5                               | 2                   | 5M            | 54.9u              | 1.516m                      | -                           | 475.2m                |
| 6                               | 3                   | 5M            | 57.2u              | 1.640m                      | 1.396m                      | 427.7m                |
| 7                               | 2                   | 5M            | 91.6u              | 1.507m                      | -                           | 435.3m                |
| 8                               | 2                   | 5M            | 69.8u              | 1.897m                      | -                           | 349.7m                |
| 9                               | 2                   | 5M            | 58.1u              | 1.668m                      | -                           | 584.4m                |
| 10                              | 2                   | 5M            | 81.6u              | 1.380m                      | -                           | 184.8m                |
| 11                              | 2                   | 5M            | 57.5u              | 1.242m                      | -                           | 221.2m                |
| 12                              | 3                   | 5M            | 92.2u              | 1.227m                      | 913.8u                      | 353.3m                |
| 13                              | 2                   | 5M            | 81.9u              | 1.129m                      | -                           | 486.4m                |
| 14                              | 2                   | 5M            | 66.9u              | 1.395m                      | -                           | 235.5m                |
| 15                              | 1                   | 5M            | 67.9u              | -                           | -                           | 415.5m                |
| 16                              | 3                   | 5M            | 99.2u              | 1.884m                      | 1.803m                      | 462.9m                |
| 17                              | 2                   | 5M            | 71.2u              | 1.043m                      | -                           | 214.2m                |
| 18                              | 1                   | 5M            | 70.9u              | -                           | -                           | 379.4m                |
| 19                              | 2                   | 5M            | 68.8u              | 1.209m                      | -                           | 322.3m                |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_13  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5310MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 9M            | 83.6u              | 1.774m                      | -                           | 467.4m                |
| 2                               | 2                   | 9M            | 97.1u              | 1.796m                      | -                           | 328.2m                |
| 3                               | 1                   | 9M            | 84.9u              | -                           | -                           | 712.5m                |
| 4                               | 1                   | 9M            | 85.6u              | -                           | -                           | 456.6m                |
| 5                               | 2                   | 9M            | 97.8u              | 917.2u                      | -                           | 642.0m                |
| 6                               | 2                   | 9M            | 95.4u              | 1.079m                      | -                           | 800.8m                |
| 7                               | 1                   | 9M            | 71.2u              | -                           | -                           | 898.6m                |
| 8                               | 3                   | 9M            | 82.0u              | 1.666m                      | 1.468m                      | 784.5m                |
| 9                               | 3                   | 9M            | 86.6u              | 1.322m                      | 1.519m                      | 535.5m                |
| 10                              | 1                   | 9M            | 71.4u              | -                           | -                           | 43.23m                |
| 11                              | 2                   | 9M            | 62.2u              | 1.268m                      | -                           | 268.5m                |
| 12                              | 2                   | 9M            | 96.1u              | 1.888m                      | -                           | 253.4m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_14  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 13   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5310MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 9M            | 61.5u              | 955.5u                      | -                           | 640.4m                |
| 2                               | 1                   | 9M            | 92.5u              | -                           | -                           | 393.8m                |
| 3                               | 3                   | 9M            | 71.1u              | 1.724m                      | 1.483m                      | 227.5m                |
| 4                               | 2                   | 9M            | 79.5u              | 1.035m                      | -                           | 625.6m                |
| 5                               | 2                   | 9M            | 75.3u              | 1.324m                      | -                           | 302.7m                |
| 6                               | 3                   | 9M            | 71.1u              | 1.201m                      | 1.880m                      | 210.6m                |
| 7                               | 2                   | 9M            | 83.2u              | 1.845m                      | -                           | 576.6m                |
| 8                               | 2                   | 9M            | 81.1u              | 1.333m                      | -                           | 524.0m                |
| 9                               | 2                   | 9M            | 97.7u              | 1.050m                      | -                           | 855.4m                |
| 10                              | 2                   | 9M            | 95.7u              | 1.224m                      | -                           | 597.8m                |
| 11                              | 2                   | 9M            | 53.5u              | 1.334m                      | -                           | 874.0m                |
| 12                              | 3                   | 9M            | 70.8u              | 1.735m                      | 1.020m                      | 510.2m                |
| 13                              | 2                   | 9M            | 95.7u              | 1.535m                      | -                           | 870.2m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_15  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 17   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5310MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 15M           | 73.3u              | 1.117m                      | -                           | 263.9m                |
| 2                               | 3                   | 15M           | 77.1u              | 1.610m                      | 1.018m                      | 283.7m                |
| 3                               | 2                   | 15M           | 70.2u              | 1.453m                      | -                           | 47.73m                |
| 4                               | 2                   | 15M           | 84.6u              | 1.444m                      | -                           | 566.8m                |
| 5                               | 3                   | 15M           | 82.8u              | 1.477m                      | 1.433m                      | 572.1m                |
| 6                               | 2                   | 15M           | 95.2u              | 987.8u                      | -                           | 614.1m                |
| 7                               | 3                   | 15M           | 95.3u              | 1.243m                      | 1.697m                      | 22.08m                |
| 8                               | 3                   | 15M           | 59.7u              | 1.441m                      | 1.343m                      | 23.27m                |
| 9                               | 3                   | 15M           | 69.3u              | 1.787m                      | 1.428m                      | 620.8m                |
| 10                              | 2                   | 15M           | 75.3u              | 1.838m                      | -                           | 693.6m                |
| 11                              | 3                   | 15M           | 91.2u              | 1.427m                      | 1.347m                      | 498.9m                |
| 12                              | 3                   | 15M           | 91.2u              | 1.212m                      | 1.579m                      | 309.3m                |
| 13                              | 2                   | 15M           | 94.7u              | 1.191m                      | -                           | 266.5m                |
| 14                              | 3                   | 15M           | 98.4u              | 1.552m                      | 1.534m                      | 614.4m                |
| 15                              | 3                   | 15M           | 54.0u              | 1.482m                      | 990.0u                      | 449.2m                |
| 16                              | 2                   | 15M           | 74.1u              | 1.675m                      | -                           | 613.7m                |
| 17                              | 2                   | 15M           | 83.4u              | 1.632m                      | -                           | 699.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_16  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 8    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5310MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 15M           | 86.3u              | 1.743m                      | 985.7u                      | 297.0m                |
| 2                               | 1                   | 15M           | 66.0u              | -                           | -                           | 1.473                 |
| 3                               | 3                   | 15M           | 67.9u              | 1.531m                      | 1.717m                      | 438.4m                |
| 4                               | 3                   | 15M           | 86.6u              | 1.433m                      | 1.491m                      | 650.2m                |
| 5                               | 2                   | 15M           | 59.3u              | 1.648m                      | -                           | 773.9m                |
| 6                               | 2                   | 15M           | 60.7u              | 1.384m                      | -                           | 278.3m                |
| 7                               | 2                   | 15M           | 58.5u              | 1.114m                      | -                           | 1.321                 |
| 8                               | 2                   | 15M           | 88.9u              | 920.1u                      | -                           | 360.9m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_17  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5310MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 17M           | 56.6u              | 1.081m                      | 1.442m                      | 264.5m                |
| 2                               | 2                   | 17M           | 77.0u              | 1.479m                      | -                           | 411.6m                |
| 3                               | 1                   | 17M           | 64.7u              | -                           | -                           | 502.4m                |
| 4                               | 2                   | 17M           | 66.3u              | 1.533m                      | -                           | 128.2m                |
| 5                               | 2                   | 17M           | 66.5u              | 1.654m                      | -                           | 32.33m                |
| 6                               | 2                   | 17M           | 53.9u              | 1.723m                      | -                           | 368.5m                |
| 7                               | 2                   | 17M           | 95.4u              | 1.678m                      | -                           | 502.6m                |
| 8                               | 2                   | 17M           | 79.6u              | 1.481m                      | -                           | 375.6m                |
| 9                               | 2                   | 17M           | 94.7u              | 1.774m                      | -                           | 335.2m                |
| 10                              | 3                   | 17M           | 86.7u              | 1.256m                      | 1.147m                      | 567.5m                |
| 11                              | 2                   | 17M           | 65.2u              | 1.373m                      | -                           | 55.52m                |
| 12                              | 3                   | 17M           | 53.6u              | 1.336m                      | 1.086m                      | 350.4m                |
| 13                              | 1                   | 17M           | 93.6u              | -                           | -                           | 549.5m                |
| 14                              | 3                   | 17M           | 99.9u              | 1.866m                      | 961.1u                      | 222.0m                |
| 15                              | 2                   | 17M           | 98.7u              | 1.242m                      | -                           | 603.9m                |
| 16                              | 3                   | 17M           | 99.5u              | 992.5u                      | 1.138m                      | 514.9m                |
| 17                              | 2                   | 17M           | 88.7u              | 1.906m                      | -                           | 388.1m                |
| 18                              | 2                   | 17M           | 98.4u              | 1.185m                      | -                           | 429.7m                |
| 19                              | 2                   | 17M           | 84.8u              | 1.718m                      | -                           | 344.7m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_18  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 15   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5310MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 17M           | 74.4u              | 1.078m                      | -                           | 405.4m                |
| 2                               | 2                   | 17M           | 64.5u              | 1.652m                      | -                           | 642.9m                |
| 3                               | 2                   | 17M           | 60.9u              | 1.407m                      | -                           | 702.7m                |
| 4                               | 1                   | 17M           | 93.7u              | -                           | -                           | 738.4m                |
| 5                               | 3                   | 17M           | 73.4u              | 1.274m                      | 1.171m                      | 600.8m                |
| 6                               | 2                   | 17M           | 65.8u              | 1.640m                      | -                           | 566.8m                |
| 7                               | 2                   | 17M           | 67.9u              | 1.038m                      | -                           | 561.0m                |
| 8                               | 2                   | 17M           | 75.2u              | 970.8u                      | -                           | 25.08m                |
| 9                               | 1                   | 17M           | 58.5u              | -                           | -                           | 667.7m                |
| 10                              | 1                   | 17M           | 97.9u              | -                           | -                           | 176.6m                |
| 11                              | 3                   | 17M           | 87.6u              | 1.679m                      | 1.187m                      | 730.3m                |
| 12                              | 1                   | 17M           | 94.5u              | -                           | -                           | 720.4m                |
| 13                              | 3                   | 17M           | 56.4u              | 1.013m                      | 1.776m                      | 274.4m                |
| 14                              | 2                   | 17M           | 84.2u              | 1.338m                      | -                           | 186.8m                |
| 15                              | 1                   | 17M           | 67.2u              | -                           | -                           | 223.4m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_19  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 15   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5310MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 20M           | 63.9u              | -                           | -                           | 77.33m                |
| 2                               | 2                   | 20M           | 94.7u              | 1.807m                      | -                           | 47.69m                |
| 3                               | 2                   | 20M           | 55.2u              | 1.653m                      | -                           | 235.8m                |
| 4                               | 1                   | 20M           | 88.6u              | -                           | -                           | 734.4m                |
| 5                               | 3                   | 20M           | 58.9u              | 1.448m                      | 1.576m                      | 594.5m                |
| 6                               | 3                   | 20M           | 80.2u              | 1.051m                      | 1.328m                      | 738.1m                |
| 7                               | 2                   | 20M           | 51.8u              | 1.771m                      | -                           | 610.0m                |
| 8                               | 1                   | 20M           | 58.2u              | -                           | -                           | 187.6m                |
| 9                               | 3                   | 20M           | 51.5u              | 1.442m                      | 1.642m                      | 91.17m                |
| 10                              | 2                   | 20M           | 54.6u              | 1.066m                      | -                           | 128.0m                |
| 11                              | 3                   | 20M           | 92.5u              | 1.718m                      | 1.207m                      | 337.4m                |
| 12                              | 3                   | 20M           | 88.1u              | 1.794m                      | 1.583m                      | 438.5m                |
| 13                              | 2                   | 20M           | 63.5u              | 1.643m                      | -                           | 214.3m                |
| 14                              | 2                   | 20M           | 73.1u              | 959.9u                      | -                           | 235.5m                |
| 15                              | 1                   | 20M           | 71.4u              | -                           | -                           | 509.1m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_20  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5310MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 20M           | 58.6u              | -                           | -                           | 36.12m                |
| 2                               | 2                   | 20M           | 92.0u              | 1.831m                      | -                           | 301.7m                |
| 3                               | 2                   | 20M           | 97.4u              | 1.173m                      | -                           | 286.9m                |
| 4                               | 2                   | 20M           | 57.0u              | 979.0u                      | -                           | 55.23m                |
| 5                               | 1                   | 20M           | 66.5u              | -                           | -                           | 376.4m                |
| 6                               | 2                   | 20M           | 78.9u              | 1.100m                      | -                           | 434.4m                |
| 7                               | 2                   | 20M           | 70.2u              | 1.681m                      | -                           | 626.6m                |
| 8                               | 3                   | 20M           | 72.3u              | 1.233m                      | 1.537m                      | 438.6m                |
| 9                               | 2                   | 20M           | 59.1u              | 1.565m                      | -                           | 429.8m                |
| 10                              | 1                   | 20M           | 50.4u              | -                           | -                           | 446.6m                |
| 11                              | 2                   | 20M           | 88.1u              | 1.050m                      | -                           | 371.0m                |
| 12                              | 2                   | 20M           | 52.9u              | 1.220m                      | -                           | 91.61m                |
| 13                              | 1                   | 20M           | 95.1u              | -                           | -                           | 395.7m                |
| 14                              | 1                   | 20M           | 82.4u              | -                           | -                           | 374.5m                |
| 15                              | 2                   | 20M           | 96.3u              | 992.7u                      | -                           | 595.6m                |
| 16                              | 2                   | 20M           | 91.4u              | 1.793m                      | -                           | 121.7m                |
| 17                              | 2                   | 20M           | 97.6u              | 1.191m                      | -                           | 331.3m                |
| 18                              | 2                   | 20M           | 61.0u              | 1.695m                      | -                           | 56.15m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_21  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5326MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 5M            | 61.2u              | 1.793m                      | 1.857m                      | 398.8m                |
| 2                               | 1                   | 5M            | 53.7u              | -                           | -                           | 300.3m                |
| 3                               | 2                   | 5M            | 82.7u              | 1.900m                      | -                           | 154.0m                |
| 4                               | 3                   | 5M            | 98.8u              | 1.369m                      | 1.879m                      | 7.212m                |
| 5                               | 2                   | 5M            | 54.9u              | 1.516m                      | -                           | 475.2m                |
| 6                               | 3                   | 5M            | 57.2u              | 1.640m                      | 1.396m                      | 427.7m                |
| 7                               | 2                   | 5M            | 91.6u              | 1.507m                      | -                           | 435.3m                |
| 8                               | 2                   | 5M            | 69.8u              | 1.897m                      | -                           | 349.7m                |
| 9                               | 2                   | 5M            | 58.1u              | 1.668m                      | -                           | 584.4m                |
| 10                              | 2                   | 5M            | 81.6u              | 1.380m                      | -                           | 184.8m                |
| 11                              | 2                   | 5M            | 57.5u              | 1.242m                      | -                           | 221.2m                |
| 12                              | 3                   | 5M            | 92.2u              | 1.227m                      | 913.8u                      | 353.3m                |
| 13                              | 2                   | 5M            | 81.9u              | 1.129m                      | -                           | 486.4m                |
| 14                              | 2                   | 5M            | 66.9u              | 1.395m                      | -                           | 235.5m                |
| 15                              | 1                   | 5M            | 67.9u              | -                           | -                           | 415.5m                |
| 16                              | 3                   | 5M            | 99.2u              | 1.884m                      | 1.803m                      | 462.9m                |
| 17                              | 2                   | 5M            | 71.2u              | 1.043m                      | -                           | 214.2m                |
| 18                              | 1                   | 5M            | 70.9u              | -                           | -                           | 379.4m                |
| 19                              | 2                   | 5M            | 68.8u              | 1.209m                      | -                           | 322.3m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_22  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5326MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 5M            | 64.8u              | 1.186m                      | -                           | 75.79m                |
| 2                               | 3                   | 5M            | 95.3u              | 1.039m                      | 1.151m                      | 354.7m                |
| 3                               | 1                   | 5M            | 58.2u              | -                           | -                           | 145.6m                |
| 4                               | 2                   | 5M            | 96.2u              | 1.328m                      | -                           | 408.6m                |
| 5                               | 1                   | 5M            | 70.0u              | -                           | -                           | 571.7m                |
| 6                               | 1                   | 5M            | 97.0u              | -                           | -                           | 4.469m                |
| 7                               | 2                   | 5M            | 74.8u              | 1.904m                      | -                           | 112.1m                |
| 8                               | 2                   | 5M            | 86.3u              | 1.847m                      | -                           | 19.29m                |
| 9                               | 1                   | 5M            | 56.7u              | -                           | -                           | 317.3m                |
| 10                              | 2                   | 5M            | 61.0u              | 956.0u                      | -                           | 142.0m                |
| 11                              | 2                   | 5M            | 71.0u              | 935.0u                      | -                           | 251.8m                |
| 12                              | 1                   | 5M            | 54.2u              | -                           | -                           | 150.7m                |
| 13                              | 3                   | 5M            | 90.1u              | 1.385m                      | 1.143m                      | 630.6m                |
| 14                              | 2                   | 5M            | 99.6u              | 1.522m                      | -                           | 405.1m                |
| 15                              | 2                   | 5M            | 67.1u              | 1.741m                      | -                           | 9.165m                |
| 16                              | 2                   | 5M            | 50.8u              | 1.064m                      | -                           | 487.1m                |
| 17                              | 2                   | 5M            | 78.9u              | 1.002m                      | -                           | 226.8m                |
| 18                              | 3                   | 5M            | 87.7u              | 1.409m                      | 1.017m                      | 595.7m                |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_23  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 11   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5326MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 6M            | 51.6u              | 1.534m                      | 1.356m                      | 923.6m                |
| 2                               | 3                   | 6M            | 71.6u              | 1.079m                      | 1.587m                      | 287.7m                |
| 3                               | 2                   | 6M            | 74.5u              | 1.832m                      | -                           | 980.6m                |
| 4                               | 2                   | 6M            | 78.9u              | 1.266m                      | -                           | 281.6m                |
| 5                               | 2                   | 6M            | 50.0u              | 1.076m                      | -                           | 519.7m                |
| 6                               | 1                   | 6M            | 58.3u              | -                           | -                           | 189.4m                |
| 7                               | 2                   | 6M            | 63.9u              | 1.193m                      | -                           | 701.3m                |
| 8                               | 2                   | 6M            | 88.1u              | 1.462m                      | -                           | 107.5m                |
| 9                               | 3                   | 6M            | 62.4u              | 1.328m                      | 971.6u                      | 153.5m                |
| 10                              | 1                   | 6M            | 65.5u              | -                           | -                           | 1.012                 |
| 11                              | 1                   | 6M            | 95.5u              | -                           | -                           | 359.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_24  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5326MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 6M            | 63.2u              | -                           | -                           | 639.7m                |
| 2                               | 3                   | 6M            | 51.2u              | 1.477m                      | 1.835m                      | 678.8m                |
| 3                               | 3                   | 6M            | 64.0u              | 1.440m                      | 1.154m                      | 534.7m                |
| 4                               | 2                   | 6M            | 70.2u              | 1.135m                      | -                           | 1.023                 |
| 5                               | 2                   | 6M            | 82.2u              | 1.368m                      | -                           | 565.5m                |
| 6                               | 2                   | 6M            | 90.8u              | 1.524m                      | -                           | 59.60m                |
| 7                               | 2                   | 6M            | 61.5u              | 985.5u                      | -                           | 1.004                 |
| 8                               | 1                   | 6M            | 52.3u              | -                           | -                           | 775.3m                |
| 9                               | 3                   | 6M            | 75.8u              | 1.274m                      | 1.399m                      | 123.2m                |
| 10                              | 1                   | 6M            | 83.4u              | -                           | -                           | 1.109                 |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_25  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 8    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5324MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 11M           | 84.4u              | 1.421m                      | -                           | 801.3m                |
| 2                               | 3                   | 11M           | 70.4u              | 1.837m                      | 1.413m                      | 694.8m                |
| 3                               | 1                   | 11M           | 56.8u              | -                           | -                           | 852.3m                |
| 4                               | 2                   | 11M           | 88.3u              | 1.609m                      | -                           | 214.6m                |
| 5                               | 3                   | 11M           | 63.4u              | 1.206m                      | 1.734m                      | 788.8m                |
| 6                               | 3                   | 11M           | 66.9u              | 942.1u                      | 1.551m                      | 502.0m                |
| 7                               | 3                   | 11M           | 67.8u              | 938.2u                      | 1.580m                      | 404.8m                |
| 8                               | 2                   | 11M           | 68.5u              | 1.233m                      | -                           | 191.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_26  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5324MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 11M           | 83.2u              | -                           | -                           | 45.94m                |
| 2                               | 2                   | 11M           | 64.2u              | 1.124m                      | -                           | 371.8m                |
| 3                               | 2                   | 11M           | 93.6u              | 1.066m                      | -                           | 35.45m                |
| 4                               | 2                   | 11M           | 81.4u              | 1.900m                      | -                           | 379.4m                |
| 5                               | 2                   | 11M           | 72.5u              | 1.373m                      | -                           | 425.9m                |
| 6                               | 2                   | 11M           | 63.2u              | 1.827m                      | -                           | 395.1m                |
| 7                               | 3                   | 11M           | 78.0u              | 1.366m                      | 1.019m                      | 157.6m                |
| 8                               | 1                   | 11M           | 70.4u              | -                           | -                           | 237.3m                |
| 9                               | 3                   | 11M           | 62.4u              | 1.269m                      | 1.701m                      | 582.7m                |
| 10                              | 1                   | 11M           | 85.8u              | -                           | -                           | 223.0m                |
| 11                              | 3                   | 11M           | 57.4u              | 1.075m                      | 1.909m                      | 626.8m                |
| 12                              | 2                   | 11M           | 66.5u              | 1.637m                      | -                           | 578.6m                |
| 13                              | 3                   | 11M           | 52.8u              | 1.165m                      | 1.623m                      | 626.6m                |
| 14                              | 3                   | 11M           | 51.0u              | 1.021m                      | 1.068m                      | 482.0m                |
| 15                              | 1                   | 11M           | 52.0u              | -                           | -                           | 471.8m                |
| 16                              | 2                   | 11M           | 72.0u              | 1.694m                      | -                           | 284.8m                |
| 17                              | 2                   | 11M           | 58.9u              | 1.920m                      | -                           | 155.7m                |
| 18                              | 3                   | 11M           | 84.2u              | 1.879m                      | 1.077m                      | 352.7m                |
| 19                              | 2                   | 11M           | 51.5u              | 1.504m                      | -                           | 605.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_27  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 9    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5321MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 19M           | 86.6u              | -                           | -                           | 1.233                 |
| 2                               | 2                   | 19M           | 75.4u              | 1.787m                      | -                           | 1.316                 |
| 3                               | 3                   | 19M           | 50.2u              | 1.838m                      | 1.148m                      | 902.0m                |
| 4                               | 1                   | 19M           | 58.8u              | -                           | -                           | 953.0m                |
| 5                               | 2                   | 19M           | 54.0u              | 1.432m                      | -                           | 424.4m                |
| 6                               | 2                   | 19M           | 51.1u              | 1.395m                      | -                           | 265.3m                |
| 7                               | 1                   | 19M           | 63.0u              | -                           | -                           | 502.3m                |
| 8                               | 1                   | 19M           | 67.6u              | -                           | -                           | 1.070                 |
| 9                               | 2                   | 19M           | 91.3u              | 1.439m                      | -                           | 517.4m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_28  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 17   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5321MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 19M           | 78.0u              | 1.167m                      | -                           | 269.8m                |
| 2                               | 3                   | 19M           | 82.8u              | 1.545m                      | 1.544m                      | 640.4m                |
| 3                               | 2                   | 19M           | 73.0u              | 1.679m                      | -                           | 88.41m                |
| 4                               | 2                   | 19M           | 67.7u              | 1.793m                      | -                           | 557.7m                |
| 5                               | 2                   | 19M           | 55.9u              | 1.359m                      | -                           | 651.0m                |
| 6                               | 2                   | 19M           | 92.9u              | 1.029m                      | -                           | 485.5m                |
| 7                               | 3                   | 19M           | 70.2u              | 1.756m                      | 1.342m                      | 179.1m                |
| 8                               | 1                   | 19M           | 55.1u              | -                           | -                           | 407.5m                |
| 9                               | 3                   | 19M           | 67.9u              | 1.910m                      | 1.250m                      | 285.0m                |
| 10                              | 1                   | 19M           | 50.3u              | -                           | -                           | 147.8m                |
| 11                              | 3                   | 19M           | 50.3u              | 1.543m                      | 1.185m                      | 550.6m                |
| 12                              | 3                   | 19M           | 93.9u              | 1.670m                      | 1.112m                      | 207.5m                |
| 13                              | 3                   | 19M           | 54.3u              | 1.260m                      | 1.333m                      | 689.3m                |
| 14                              | 1                   | 19M           | 73.3u              | -                           | -                           | 595.0m                |
| 15                              | 2                   | 19M           | 86.5u              | 1.506m                      | -                           | 78.29m                |
| 16                              | 3                   | 19M           | 53.8u              | 1.088m                      | 1.261m                      | 105.6m                |
| 17                              | 2                   | 19M           | 89.3u              | 1.368m                      | -                           | 145.9m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_29  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5320MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 78.6u              | 1.551m                      | -                           | 833.2m                |
| 2                               | 2                   | 20M           | 51.6u              | 990.4u                      | -                           | 825.2m                |
| 3                               | 2                   | 20M           | 86.8u              | 1.097m                      | -                           | 809.6m                |
| 4                               | 1                   | 20M           | 60.5u              | -                           | -                           | 792.9m                |
| 5                               | 2                   | 20M           | 54.9u              | 1.783m                      | -                           | 491.4m                |
| 6                               | 2                   | 20M           | 75.7u              | 1.245m                      | -                           | 717.7m                |
| 7                               | 2                   | 20M           | 55.0u              | 1.513m                      | -                           | 1.155                 |
| 8                               | 2                   | 20M           | 79.2u              | 955.8u                      | -                           | 118.6m                |
| 9                               | 1                   | 20M           | 56.4u              | -                           | -                           | 881.1m                |
| 10                              | 1                   | 20M           | 97.7u              | -                           | -                           | 978.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_30  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5320MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 20M           | 58.6u              | -                           | -                           | 36.12m                |
| 2                               | 2                   | 20M           | 92.0u              | 1.831m                      | -                           | 301.7m                |
| 3                               | 2                   | 20M           | 97.4u              | 1.173m                      | -                           | 286.9m                |
| 4                               | 2                   | 20M           | 57.0u              | 979.0u                      | -                           | 55.23m                |
| 5                               | 1                   | 20M           | 66.5u              | -                           | -                           | 376.4m                |
| 6                               | 2                   | 20M           | 78.9u              | 1.100m                      | -                           | 434.4m                |
| 7                               | 2                   | 20M           | 70.2u              | 1.681m                      | -                           | 626.6m                |
| 8                               | 3                   | 20M           | 72.3u              | 1.233m                      | 1.537m                      | 438.6m                |
| 9                               | 2                   | 20M           | 59.1u              | 1.565m                      | -                           | 429.8m                |
| 10                              | 1                   | 20M           | 50.4u              | -                           | -                           | 446.6m                |
| 11                              | 2                   | 20M           | 88.1u              | 1.050m                      | -                           | 371.0m                |
| 12                              | 2                   | 20M           | 52.9u              | 1.220m                      | -                           | 91.61m                |
| 13                              | 1                   | 20M           | 95.1u              | -                           | -                           | 395.7m                |
| 14                              | 1                   | 20M           | 82.4u              | -                           | -                           | 374.5m                |
| 15                              | 2                   | 20M           | 96.3u              | 992.7u                      | -                           | 595.6m                |
| 16                              | 2                   | 20M           | 91.4u              | 1.793m                      | -                           | 121.7m                |
| 17                              | 2                   | 20M           | 97.6u              | 1.191m                      | -                           | 331.3m                |
| 18                              | 2                   | 20M           | 61.0u              | 1.695m                      | -                           | 56.15m                |

| Type 6 Radar Statistical Performances |                  |                 |         |           |
|---------------------------------------|------------------|-----------------|---------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Detection |
| 1                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 2                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 3                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 4                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 5                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 6                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 7                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 8                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 9                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 10                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 11                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 12                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 13                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 14                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 15                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 16                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 17                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 18                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 19                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 20                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 21                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 22                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 23                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 24                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 25                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 26                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 27                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 28                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 29                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 30                                    | 9                | 1.0u            | 333.0u  | Yes       |
| Detection Rate: 100.0 %               |                  |                 |         |           |



| Type 6 Radar Statistical Performances |                                 |                         |
|---------------------------------------|---------------------------------|-------------------------|
| Trial #                               | Hopping Frequency Sequence Name | Detection               |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes                     |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes                     |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes                     |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes                     |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes                     |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes                     |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes                     |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes                     |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes                     |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes                     |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes                     |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes                     |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes                     |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes                     |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes                     |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes                     |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes                     |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes                     |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes                     |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes                     |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes                     |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes                     |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes                     |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes                     |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes                     |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes                     |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes                     |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes                     |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes                     |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes                     |
|                                       |                                 | Detection Rate: 100.0 % |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.603G            | 2    | 5.405G            | 3    | 5.498G            | 4    | 5.670G            |
| 5                                                | 5.630G            | 6    | 5.712G            | 7    | 5.653G            | 8    | 5.285G            |
| 9                                                | 5.399G            | 10   | 5.541G            | 11   | 5.704G            | 12   | 5.323G            |
| 13                                               | 5.532G            | 14   | 5.366G            | 15   | 5.410G            | 16   | 5.581G            |
| 17                                               | 5.612G            | 18   | 5.467G            | 19   | 5.312G            | 20   | 5.554G            |
| 21                                               | 5.520G            | 22   | 5.551G            | 23   | 5.575G            | 24   | 5.448G            |
| 25                                               | 5.414G            | 26   | 5.598G            | 27   | 5.354G            | 28   | 5.708G            |
| 29                                               | 5.332G            | 30   | 5.288G            | 31   | 5.310G            | 32   | 5.456G            |
| 33                                               | 5.397G            | 34   | 5.361G            | 35   | 5.390G            | 36   | 5.380G            |
| 37                                               | 5.620G            | 38   | 5.652G            | 39   | 5.666G            | 40   | 5.457G            |
| 41                                               | 5.296G            | 42   | 5.631G            | 43   | 5.411G            | 44   | 5.470G            |
| 45                                               | 5.526G            | 46   | 5.472G            | 47   | 5.628G            | 48   | 5.375G            |
| 49                                               | 5.649G            | 50   | 5.656G            | 51   | 5.408G            | 52   | 5.393G            |
| 53                                               | 5.514G            | 54   | 5.348G            | 55   | 5.523G            | 56   | 5.709G            |
| 57                                               | 5.311G            | 58   | 5.284G            | 59   | 5.552G            | 60   | 5.427G            |
| 61                                               | 5.255G            | 62   | 5.395G            | 63   | 5.536G            | 64   | 5.626G            |
| 65                                               | 5.389G            | 66   | 5.297G            | 67   | 5.679G            | 68   | 5.545G            |
| 69                                               | 5.496G            | 70   | 5.617G            | 71   | 5.283G            | 72   | 5.508G            |
| 73                                               | 5.299G            | 74   | 5.319G            | 75   | 5.624G            | 76   | 5.440G            |
| 77                                               | 5.677G            | 78   | 5.643G            | 79   | 5.558G            | 80   | 5.252G            |
| 81                                               | 5.671G            | 82   | 5.378G            | 83   | 5.680G            | 84   | 5.547G            |
| 85                                               | 5.683G            | 86   | 5.453G            | 87   | 5.466G            | 88   | 5.471G            |
| 89                                               | 5.548G            | 90   | 5.356G            | 91   | 5.486G            | 92   | 5.684G            |
| 93                                               | 5.669G            | 94   | 5.349G            | 95   | 5.504G            | 96   | 5.641G            |
| 97                                               | 5.495G            | 98   | 5.578G            | 99   | 5.702G            | 100  | 5.706G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.328G            | 2    | 5.655G            | 3    | 5.570G            | 4    | 5.291G            |
| 5                                                | 5.485G            | 6    | 5.342G            | 7    | 5.365G            | 8    | 5.720G            |
| 9                                                | 5.647G            | 10   | 5.264G            | 11   | 5.362G            | 12   | 5.403G            |
| 13                                               | 5.392G            | 14   | 5.284G            | 15   | 5.363G            | 16   | 5.461G            |
| 17                                               | 5.346G            | 18   | 5.381G            | 19   | 5.598G            | 20   | 5.528G            |
| 21                                               | 5.640G            | 22   | 5.315G            | 23   | 5.500G            | 24   | 5.539G            |
| 25                                               | 5.531G            | 26   | 5.459G            | 27   | 5.603G            | 28   | 5.372G            |
| 29                                               | 5.499G            | 30   | 5.263G            | 31   | 5.329G            | 32   | 5.366G            |
| 33                                               | 5.431G            | 34   | 5.586G            | 35   | 5.536G            | 36   | 5.266G            |
| 37                                               | 5.376G            | 38   | 5.654G            | 39   | 5.701G            | 40   | 5.285G            |
| 41                                               | 5.699G            | 42   | 5.327G            | 43   | 5.450G            | 44   | 5.567G            |
| 45                                               | 5.680G            | 46   | 5.581G            | 47   | 5.270G            | 48   | 5.633G            |
| 49                                               | 5.676G            | 50   | 5.353G            | 51   | 5.456G            | 52   | 5.454G            |
| 53                                               | 5.446G            | 54   | 5.532G            | 55   | 5.665G            | 56   | 5.443G            |
| 57                                               | 5.432G            | 58   | 5.371G            | 59   | 5.269G            | 60   | 5.559G            |
| 61                                               | 5.386G            | 62   | 5.535G            | 63   | 5.308G            | 64   | 5.451G            |
| 65                                               | 5.276G            | 66   | 5.718G            | 67   | 5.719G            | 68   | 5.287G            |
| 69                                               | 5.636G            | 70   | 5.292G            | 71   | 5.490G            | 72   | 5.700G            |
| 73                                               | 5.303G            | 74   | 5.569G            | 75   | 5.489G            | 76   | 5.364G            |
| 77                                               | 5.564G            | 78   | 5.335G            | 79   | 5.340G            | 80   | 5.326G            |
| 81                                               | 5.677G            | 82   | 5.375G            | 83   | 5.664G            | 84   | 5.427G            |
| 85                                               | 5.538G            | 86   | 5.509G            | 87   | 5.420G            | 88   | 5.344G            |
| 89                                               | 5.462G            | 90   | 5.682G            | 91   | 5.565G            | 92   | 5.691G            |
| 93                                               | 5.355G            | 94   | 5.687G            | 95   | 5.652G            | 96   | 5.352G            |
| 97                                               | 5.416G            | 98   | 5.286G            | 99   | 5.684G            | 100  | 5.425G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.715G            | 2    | 5.431G            | 3    | 5.262G            | 4    | 5.608G            |
| 5                                                | 5.436G            | 6    | 5.354G            | 7    | 5.555G            | 8    | 5.545G            |
| 9                                                | 5.322G            | 10   | 5.379G            | 11   | 5.513G            | 12   | 5.254G            |
| 13                                               | 5.468G            | 14   | 5.449G            | 15   | 5.470G            | 16   | 5.616G            |
| 17                                               | 5.287G            | 18   | 5.393G            | 19   | 5.560G            | 20   | 5.256G            |
| 21                                               | 5.689G            | 22   | 5.647G            | 23   | 5.707G            | 24   | 5.413G            |
| 25                                               | 5.364G            | 26   | 5.445G            | 27   | 5.485G            | 28   | 5.615G            |
| 29                                               | 5.566G            | 30   | 5.610G            | 31   | 5.359G            | 32   | 5.723G            |
| 33                                               | 5.629G            | 34   | 5.312G            | 35   | 5.296G            | 36   | 5.341G            |
| 37                                               | 5.400G            | 38   | 5.611G            | 39   | 5.475G            | 40   | 5.463G            |
| 41                                               | 5.625G            | 42   | 5.412G            | 43   | 5.573G            | 44   | 5.434G            |
| 45                                               | 5.457G            | 46   | 5.540G            | 47   | 5.264G            | 48   | 5.496G            |
| 49                                               | 5.706G            | 50   | 5.724G            | 51   | 5.597G            | 52   | 5.299G            |
| 53                                               | 5.324G            | 54   | 5.539G            | 55   | 5.455G            | 56   | 5.547G            |
| 57                                               | 5.542G            | 58   | 5.631G            | 59   | 5.367G            | 60   | 5.363G            |
| 61                                               | 5.601G            | 62   | 5.714G            | 63   | 5.590G            | 64   | 5.365G            |
| 65                                               | 5.578G            | 66   | 5.453G            | 67   | 5.416G            | 68   | 5.471G            |
| 69                                               | 5.698G            | 70   | 5.323G            | 71   | 5.605G            | 72   | 5.635G            |
| 73                                               | 5.537G            | 74   | 5.352G            | 75   | 5.339G            | 76   | 5.378G            |
| 77                                               | 5.317G            | 78   | 5.257G            | 79   | 5.717G            | 80   | 5.637G            |
| 81                                               | 5.654G            | 82   | 5.361G            | 83   | 5.511G            | 84   | 5.510G            |
| 85                                               | 5.380G            | 86   | 5.594G            | 87   | 5.699G            | 88   | 5.600G            |
| 89                                               | 5.648G            | 90   | 5.683G            | 91   | 5.671G            | 92   | 5.283G            |
| 93                                               | 5.684G            | 94   | 5.508G            | 95   | 5.337G            | 96   | 5.342G            |
| 97                                               | 5.617G            | 98   | 5.278G            | 99   | 5.398G            | 100  | 5.497G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.267G            | 2    | 5.612G            | 3    | 5.554G            | 4    | 5.569G            |
| 5                                                | 5.698G            | 6    | 5.718G            | 7    | 5.288G            | 8    | 5.716G            |
| 9                                                | 5.621G            | 10   | 5.723G            | 11   | 5.322G            | 12   | 5.511G            |
| 13                                               | 5.570G            | 14   | 5.683G            | 15   | 5.721G            | 16   | 5.530G            |
| 17                                               | 5.508G            | 18   | 5.451G            | 19   | 5.416G            | 20   | 5.521G            |
| 21                                               | 5.501G            | 22   | 5.460G            | 23   | 5.527G            | 24   | 5.699G            |
| 25                                               | 5.363G            | 26   | 5.470G            | 27   | 5.304G            | 28   | 5.623G            |
| 29                                               | 5.453G            | 30   | 5.426G            | 31   | 5.441G            | 32   | 5.579G            |
| 33                                               | 5.398G            | 34   | 5.669G            | 35   | 5.333G            | 36   | 5.468G            |
| 37                                               | 5.557G            | 38   | 5.517G            | 39   | 5.665G            | 40   | 5.610G            |
| 41                                               | 5.448G            | 42   | 5.629G            | 43   | 5.380G            | 44   | 5.262G            |
| 45                                               | 5.597G            | 46   | 5.285G            | 47   | 5.318G            | 48   | 5.266G            |
| 49                                               | 5.270G            | 50   | 5.381G            | 51   | 5.315G            | 52   | 5.401G            |
| 53                                               | 5.463G            | 54   | 5.298G            | 55   | 5.607G            | 56   | 5.700G            |
| 57                                               | 5.711G            | 58   | 5.417G            | 59   | 5.717G            | 60   | 5.360G            |
| 61                                               | 5.429G            | 62   | 5.654G            | 63   | 5.524G            | 64   | 5.496G            |
| 65                                               | 5.445G            | 66   | 5.499G            | 67   | 5.280G            | 68   | 5.386G            |
| 69                                               | 5.351G            | 70   | 5.687G            | 71   | 5.584G            | 72   | 5.356G            |
| 73                                               | 5.661G            | 74   | 5.589G            | 75   | 5.663G            | 76   | 5.657G            |
| 77                                               | 5.478G            | 78   | 5.659G            | 79   | 5.389G            | 80   | 5.513G            |
| 81                                               | 5.555G            | 82   | 5.458G            | 83   | 5.502G            | 84   | 5.420G            |
| 85                                               | 5.549G            | 86   | 5.690G            | 87   | 5.641G            | 88   | 5.648G            |
| 89                                               | 5.452G            | 90   | 5.473G            | 91   | 5.542G            | 92   | 5.588G            |
| 93                                               | 5.632G            | 94   | 5.439G            | 95   | 5.250G            | 96   | 5.348G            |
| 97                                               | 5.466G            | 98   | 5.541G            | 99   | 5.481G            | 100  | 5.562G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.538G            | 2    | 5.423G            | 3    | 5.481G            | 4    | 5.307G            |
| 5                                                | 5.357G            | 6    | 5.593G            | 7    | 5.615G            | 8    | 5.404G            |
| 9                                                | 5.711G            | 10   | 5.490G            | 11   | 5.550G            | 12   | 5.416G            |
| 13                                               | 5.519G            | 14   | 5.541G            | 15   | 5.339G            | 16   | 5.612G            |
| 17                                               | 5.699G            | 18   | 5.653G            | 19   | 5.350G            | 20   | 5.369G            |
| 21                                               | 5.373G            | 22   | 5.656G            | 23   | 5.672G            | 24   | 5.688G            |
| 25                                               | 5.403G            | 26   | 5.522G            | 27   | 5.665G            | 28   | 5.675G            |
| 29                                               | 5.297G            | 30   | 5.402G            | 31   | 5.588G            | 32   | 5.673G            |
| 33                                               | 5.421G            | 34   | 5.512G            | 35   | 5.537G            | 36   | 5.715G            |
| 37                                               | 5.299G            | 38   | 5.686G            | 39   | 5.263G            | 40   | 5.679G            |
| 41                                               | 5.391G            | 42   | 5.313G            | 43   | 5.480G            | 44   | 5.561G            |
| 45                                               | 5.523G            | 46   | 5.389G            | 47   | 5.692G            | 48   | 5.569G            |
| 49                                               | 5.556G            | 50   | 5.578G            | 51   | 5.425G            | 52   | 5.517G            |
| 53                                               | 5.475G            | 54   | 5.532G            | 55   | 5.255G            | 56   | 5.375G            |
| 57                                               | 5.349G            | 58   | 5.436G            | 59   | 5.424G            | 60   | 5.271G            |
| 61                                               | 5.390G            | 62   | 5.585G            | 63   | 5.652G            | 64   | 5.486G            |
| 65                                               | 5.722G            | 66   | 5.280G            | 67   | 5.554G            | 68   | 5.514G            |
| 69                                               | 5.587G            | 70   | 5.683G            | 71   | 5.321G            | 72   | 5.547G            |
| 73                                               | 5.590G            | 74   | 5.432G            | 75   | 5.548G            | 76   | 5.657G            |
| 77                                               | 5.279G            | 78   | 5.693G            | 79   | 5.671G            | 80   | 5.539G            |
| 81                                               | 5.438G            | 82   | 5.301G            | 83   | 5.544G            | 84   | 5.670G            |
| 85                                               | 5.346G            | 86   | 5.463G            | 87   | 5.394G            | 88   | 5.567G            |
| 89                                               | 5.526G            | 90   | 5.434G            | 91   | 5.467G            | 92   | 5.611G            |
| 93                                               | 5.295G            | 94   | 5.647G            | 95   | 5.602G            | 96   | 5.318G            |
| 97                                               | 5.714G            | 98   | 5.649G            | 99   | 5.695G            | 100  | 5.630G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.527G            | 2    | 5.604G            | 3    | 5.380G            | 4    | 5.393G            |
| 5                                                | 5.280G            | 6    | 5.665G            | 7    | 5.273G            | 8    | 5.473G            |
| 9                                                | 5.566G            | 10   | 5.647G            | 11   | 5.694G            | 12   | 5.645G            |
| 13                                               | 5.528G            | 14   | 5.359G            | 15   | 5.369G            | 16   | 5.564G            |
| 17                                               | 5.497G            | 18   | 5.669G            | 19   | 5.508G            | 20   | 5.459G            |
| 21                                               | 5.342G            | 22   | 5.563G            | 23   | 5.531G            | 24   | 5.605G            |
| 25                                               | 5.322G            | 26   | 5.436G            | 27   | 5.394G            | 28   | 5.611G            |
| 29                                               | 5.295G            | 30   | 5.441G            | 31   | 5.622G            | 32   | 5.469G            |
| 33                                               | 5.652G            | 34   | 5.638G            | 35   | 5.308G            | 36   | 5.375G            |
| 37                                               | 5.374G            | 38   | 5.309G            | 39   | 5.439G            | 40   | 5.626G            |
| 41                                               | 5.688G            | 42   | 5.345G            | 43   | 5.514G            | 44   | 5.646G            |
| 45                                               | 5.602G            | 46   | 5.666G            | 47   | 5.254G            | 48   | 5.271G            |
| 49                                               | 5.347G            | 50   | 5.470G            | 51   | 5.408G            | 52   | 5.700G            |
| 53                                               | 5.467G            | 54   | 5.480G            | 55   | 5.337G            | 56   | 5.673G            |
| 57                                               | 5.506G            | 58   | 5.417G            | 59   | 5.512G            | 60   | 5.348G            |
| 61                                               | 5.317G            | 62   | 5.621G            | 63   | 5.368G            | 64   | 5.557G            |
| 65                                               | 5.722G            | 66   | 5.266G            | 67   | 5.363G            | 68   | 5.678G            |
| 69                                               | 5.305G            | 70   | 5.485G            | 71   | 5.352G            | 72   | 5.668G            |
| 73                                               | 5.720G            | 74   | 5.509G            | 75   | 5.403G            | 76   | 5.460G            |
| 77                                               | 5.351G            | 78   | 5.556G            | 79   | 5.259G            | 80   | 5.629G            |
| 81                                               | 5.454G            | 82   | 5.723G            | 83   | 5.291G            | 84   | 5.356G            |
| 85                                               | 5.496G            | 86   | 5.681G            | 87   | 5.376G            | 88   | 5.689G            |
| 89                                               | 5.461G            | 90   | 5.711G            | 91   | 5.381G            | 92   | 5.279G            |
| 93                                               | 5.267G            | 94   | 5.533G            | 95   | 5.367G            | 96   | 5.361G            |
| 97                                               | 5.468G            | 98   | 5.389G            | 99   | 5.261G            | 100  | 5.357G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.273G            | 2    | 5.275G            | 3    | 5.630G            | 4    | 5.277G            |
| 5                                                | 5.532G            | 6    | 5.396G            | 7    | 5.342G            | 8    | 5.379G            |
| 9                                                | 5.283G            | 10   | 5.475G            | 11   | 5.423G            | 12   | 5.571G            |
| 13                                               | 5.516G            | 14   | 5.382G            | 15   | 5.467G            | 16   | 5.429G            |
| 17                                               | 5.537G            | 18   | 5.386G            | 19   | 5.678G            | 20   | 5.544G            |
| 21                                               | 5.657G            | 22   | 5.527G            | 23   | 5.340G            | 24   | 5.470G            |
| 25                                               | 5.440G            | 26   | 5.332G            | 27   | 5.406G            | 28   | 5.373G            |
| 29                                               | 5.299G            | 30   | 5.385G            | 31   | 5.314G            | 32   | 5.255G            |
| 33                                               | 5.503G            | 34   | 5.507G            | 35   | 5.335G            | 36   | 5.476G            |
| 37                                               | 5.310G            | 38   | 5.383G            | 39   | 5.337G            | 40   | 5.518G            |
| 41                                               | 5.464G            | 42   | 5.674G            | 43   | 5.560G            | 44   | 5.322G            |
| 45                                               | 5.631G            | 46   | 5.446G            | 47   | 5.270G            | 48   | 5.708G            |
| 49                                               | 5.590G            | 50   | 5.365G            | 51   | 5.591G            | 52   | 5.706G            |
| 53                                               | 5.318G            | 54   | 5.402G            | 55   | 5.703G            | 56   | 5.662G            |
| 57                                               | 5.457G            | 58   | 5.414G            | 59   | 5.278G            | 60   | 5.308G            |
| 61                                               | 5.569G            | 62   | 5.407G            | 63   | 5.426G            | 64   | 5.376G            |
| 65                                               | 5.321G            | 66   | 5.384G            | 67   | 5.381G            | 68   | 5.542G            |
| 69                                               | 5.558G            | 70   | 5.472G            | 71   | 5.684G            | 72   | 5.553G            |
| 73                                               | 5.306G            | 74   | 5.401G            | 75   | 5.715G            | 76   | 5.458G            |
| 77                                               | 5.575G            | 78   | 5.654G            | 79   | 5.352G            | 80   | 5.671G            |
| 81                                               | 5.710G            | 82   | 5.479G            | 83   | 5.690G            | 84   | 5.297G            |
| 85                                               | 5.528G            | 86   | 5.276G            | 87   | 5.368G            | 88   | 5.585G            |
| 89                                               | 5.596G            | 90   | 5.353G            | 91   | 5.681G            | 92   | 5.442G            |
| 93                                               | 5.266G            | 94   | 5.268G            | 95   | 5.291G            | 96   | 5.615G            |
| 97                                               | 5.416G            | 98   | 5.699G            | 99   | 5.663G            | 100  | 5.293G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.706G            | 2    | 5.662G            | 3    | 5.360G            | 4    | 5.585G            |
| 5                                                | 5.609G            | 6    | 5.471G            | 7    | 5.569G            | 8    | 5.485G            |
| 9                                                | 5.292G            | 10   | 5.673G            | 11   | 5.486G            | 12   | 5.626G            |
| 13                                               | 5.430G            | 14   | 5.563G            | 15   | 5.659G            | 16   | 5.287G            |
| 17                                               | 5.687G            | 18   | 5.719G            | 19   | 5.616G            | 20   | 5.668G            |
| 21                                               | 5.621G            | 22   | 5.591G            | 23   | 5.329G            | 24   | 5.558G            |
| 25                                               | 5.540G            | 26   | 5.623G            | 27   | 5.393G            | 28   | 5.712G            |
| 29                                               | 5.689G            | 30   | 5.370G            | 31   | 5.451G            | 32   | 5.545G            |
| 33                                               | 5.448G            | 34   | 5.394G            | 35   | 5.588G            | 36   | 5.633G            |
| 37                                               | 5.561G            | 38   | 5.418G            | 39   | 5.522G            | 40   | 5.707G            |
| 41                                               | 5.480G            | 42   | 5.414G            | 43   | 5.491G            | 44   | 5.312G            |
| 45                                               | 5.704G            | 46   | 5.317G            | 47   | 5.291G            | 48   | 5.319G            |
| 49                                               | 5.321G            | 50   | 5.681G            | 51   | 5.273G            | 52   | 5.473G            |
| 53                                               | 5.547G            | 54   | 5.457G            | 55   | 5.404G            | 56   | 5.456G            |
| 57                                               | 5.296G            | 58   | 5.299G            | 59   | 5.358G            | 60   | 5.684G            |
| 61                                               | 5.705G            | 62   | 5.581G            | 63   | 5.355G            | 64   | 5.592G            |
| 65                                               | 5.575G            | 66   | 5.436G            | 67   | 5.284G            | 68   | 5.381G            |
| 69                                               | 5.542G            | 70   | 5.388G            | 71   | 5.267G            | 72   | 5.254G            |
| 73                                               | 5.643G            | 74   | 5.257G            | 75   | 5.618G            | 76   | 5.332G            |
| 77                                               | 5.560G            | 78   | 5.647G            | 79   | 5.362G            | 80   | 5.677G            |
| 81                                               | 5.670G            | 82   | 5.651G            | 83   | 5.656G            | 84   | 5.425G            |
| 85                                               | 5.584G            | 86   | 5.612G            | 87   | 5.379G            | 88   | 5.368G            |
| 89                                               | 5.600G            | 90   | 5.489G            | 91   | 5.657G            | 92   | 5.357G            |
| 93                                               | 5.263G            | 94   | 5.277G            | 95   | 5.583G            | 96   | 5.555G            |
| 97                                               | 5.307G            | 98   | 5.658G            | 99   | 5.286G            | 100  | 5.487G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.358G            | 2    | 5.423G            | 3    | 5.255G            | 4    | 5.380G            |
| 5                                                | 5.477G            | 6    | 5.387G            | 7    | 5.724G            | 8    | 5.629G            |
| 9                                                | 5.466G            | 10   | 5.254G            | 11   | 5.611G            | 12   | 5.379G            |
| 13                                               | 5.395G            | 14   | 5.702G            | 15   | 5.508G            | 16   | 5.543G            |
| 17                                               | 5.261G            | 18   | 5.360G            | 19   | 5.696G            | 20   | 5.411G            |
| 21                                               | 5.394G            | 22   | 5.460G            | 23   | 5.592G            | 24   | 5.528G            |
| 25                                               | 5.692G            | 26   | 5.449G            | 27   | 5.281G            | 28   | 5.285G            |
| 29                                               | 5.279G            | 30   | 5.558G            | 31   | 5.348G            | 32   | 5.496G            |
| 33                                               | 5.418G            | 34   | 5.647G            | 35   | 5.661G            | 36   | 5.517G            |
| 37                                               | 5.607G            | 38   | 5.359G            | 39   | 5.636G            | 40   | 5.650G            |
| 41                                               | 5.559G            | 42   | 5.642G            | 43   | 5.713G            | 44   | 5.274G            |
| 45                                               | 5.322G            | 46   | 5.604G            | 47   | 5.667G            | 48   | 5.674G            |
| 49                                               | 5.564G            | 50   | 5.414G            | 51   | 5.627G            | 52   | 5.489G            |
| 53                                               | 5.431G            | 54   | 5.298G            | 55   | 5.439G            | 56   | 5.353G            |
| 57                                               | 5.339G            | 58   | 5.398G            | 59   | 5.457G            | 60   | 5.497G            |
| 61                                               | 5.511G            | 62   | 5.390G            | 63   | 5.710G            | 64   | 5.407G            |
| 65                                               | 5.334G            | 66   | 5.609G            | 67   | 5.665G            | 68   | 5.263G            |
| 69                                               | 5.706G            | 70   | 5.259G            | 71   | 5.484G            | 72   | 5.479G            |
| 73                                               | 5.381G            | 74   | 5.693G            | 75   | 5.341G            | 76   | 5.351G            |
| 77                                               | 5.614G            | 78   | 5.566G            | 79   | 5.422G            | 80   | 5.475G            |
| 81                                               | 5.467G            | 82   | 5.386G            | 83   | 5.492G            | 84   | 5.705G            |
| 85                                               | 5.504G            | 86   | 5.399G            | 87   | 5.286G            | 88   | 5.610G            |
| 89                                               | 5.267G            | 90   | 5.670G            | 91   | 5.646G            | 92   | 5.265G            |
| 93                                               | 5.486G            | 94   | 5.635G            | 95   | 5.615G            | 96   | 5.608G            |
| 97                                               | 5.633G            | 98   | 5.514G            | 99   | 5.723G            | 100  | 5.372G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.597G            | 2    | 5.266G            | 3    | 5.337G            | 4    | 5.578G            |
| 5                                                | 5.512G            | 6    | 5.712G            | 7    | 5.553G            | 8    | 5.671G            |
| 9                                                | 5.628G            | 10   | 5.713G            | 11   | 5.392G            | 12   | 5.346G            |
| 13                                               | 5.681G            | 14   | 5.520G            | 15   | 5.356G            | 16   | 5.488G            |
| 17                                               | 5.257G            | 18   | 5.393G            | 19   | 5.458G            | 20   | 5.605G            |
| 21                                               | 5.297G            | 22   | 5.287G            | 23   | 5.637G            | 24   | 5.710G            |
| 25                                               | 5.505G            | 26   | 5.549G            | 27   | 5.455G            | 28   | 5.385G            |
| 29                                               | 5.344G            | 30   | 5.402G            | 31   | 5.534G            | 32   | 5.452G            |
| 33                                               | 5.404G            | 34   | 5.461G            | 35   | 5.363G            | 36   | 5.322G            |
| 37                                               | 5.309G            | 38   | 5.638G            | 39   | 5.299G            | 40   | 5.445G            |
| 41                                               | 5.368G            | 42   | 5.288G            | 43   | 5.624G            | 44   | 5.516G            |
| 45                                               | 5.298G            | 46   | 5.548G            | 47   | 5.694G            | 48   | 5.685G            |
| 49                                               | 5.716G            | 50   | 5.500G            | 51   | 5.618G            | 52   | 5.431G            |
| 53                                               | 5.286G            | 54   | 5.547G            | 55   | 5.328G            | 56   | 5.351G            |
| 57                                               | 5.595G            | 58   | 5.253G            | 59   | 5.723G            | 60   | 5.350G            |
| 61                                               | 5.613G            | 62   | 5.542G            | 63   | 5.325G            | 64   | 5.255G            |
| 65                                               | 5.433G            | 66   | 5.469G            | 67   | 5.539G            | 68   | 5.420G            |
| 69                                               | 5.487G            | 70   | 5.345G            | 71   | 5.634G            | 72   | 5.483G            |
| 73                                               | 5.606G            | 74   | 5.722G            | 75   | 5.399G            | 76   | 5.386G            |
| 77                                               | 5.342G            | 78   | 5.459G            | 79   | 5.689G            | 80   | 5.658G            |
| 81                                               | 5.599G            | 82   | 5.557G            | 83   | 5.478G            | 84   | 5.477G            |
| 85                                               | 5.603G            | 86   | 5.473G            | 87   | 5.410G            | 88   | 5.540G            |
| 89                                               | 5.446G            | 90   | 5.443G            | 91   | 5.623G            | 92   | 5.550G            |
| 93                                               | 5.616G            | 94   | 5.670G            | 95   | 5.376G            | 96   | 5.341G            |
| 97                                               | 5.412G            | 98   | 5.596G            | 99   | 5.693G            | 100  | 5.347G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.481G            | 2    | 5.267G            | 3    | 5.677G            | 4    | 5.358G            |
| 5                                                | 5.424G            | 6    | 5.457G            | 7    | 5.486G            | 8    | 5.285G            |
| 9                                                | 5.455G            | 10   | 5.632G            | 11   | 5.637G            | 12   | 5.679G            |
| 13                                               | 5.534G            | 14   | 5.651G            | 15   | 5.341G            | 16   | 5.376G            |
| 17                                               | 5.580G            | 18   | 5.705G            | 19   | 5.505G            | 20   | 5.438G            |
| 21                                               | 5.610G            | 22   | 5.606G            | 23   | 5.682G            | 24   | 5.578G            |
| 25                                               | 5.627G            | 26   | 5.674G            | 27   | 5.410G            | 28   | 5.370G            |
| 29                                               | 5.631G            | 30   | 5.475G            | 31   | 5.514G            | 32   | 5.694G            |
| 33                                               | 5.405G            | 34   | 5.555G            | 35   | 5.659G            | 36   | 5.420G            |
| 37                                               | 5.533G            | 38   | 5.575G            | 39   | 5.508G            | 40   | 5.266G            |
| 41                                               | 5.471G            | 42   | 5.657G            | 43   | 5.392G            | 44   | 5.339G            |
| 45                                               | 5.562G            | 46   | 5.348G            | 47   | 5.497G            | 48   | 5.278G            |
| 49                                               | 5.628G            | 50   | 5.643G            | 51   | 5.292G            | 52   | 5.528G            |
| 53                                               | 5.595G            | 54   | 5.450G            | 55   | 5.461G            | 56   | 5.387G            |
| 57                                               | 5.665G            | 58   | 5.257G            | 59   | 5.454G            | 60   | 5.301G            |
| 61                                               | 5.540G            | 62   | 5.571G            | 63   | 5.391G            | 64   | 5.568G            |
| 65                                               | 5.343G            | 66   | 5.347G            | 67   | 5.565G            | 68   | 5.718G            |
| 69                                               | 5.646G            | 70   | 5.488G            | 71   | 5.608G            | 72   | 5.710G            |
| 73                                               | 5.569G            | 74   | 5.377G            | 75   | 5.408G            | 76   | 5.572G            |
| 77                                               | 5.626G            | 78   | 5.666G            | 79   | 5.412G            | 80   | 5.284G            |
| 81                                               | 5.473G            | 82   | 5.459G            | 83   | 5.402G            | 84   | 5.416G            |
| 85                                               | 5.480G            | 86   | 5.525G            | 87   | 5.413G            | 88   | 5.519G            |
| 89                                               | 5.375G            | 90   | 5.602G            | 91   | 5.640G            | 92   | 5.478G            |
| 93                                               | 5.418G            | 94   | 5.653G            | 95   | 5.681G            | 96   | 5.421G            |
| 97                                               | 5.638G            | 98   | 5.714G            | 99   | 5.536G            | 100  | 5.673G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.585G            | 2    | 5.257G            | 3    | 5.621G            | 4    | 5.720G            |
| 5                                                | 5.611G            | 6    | 5.538G            | 7    | 5.556G            | 8    | 5.427G            |
| 9                                                | 5.657G            | 10   | 5.628G            | 11   | 5.508G            | 12   | 5.367G            |
| 13                                               | 5.291G            | 14   | 5.341G            | 15   | 5.300G            | 16   | 5.485G            |
| 17                                               | 5.630G            | 18   | 5.648G            | 19   | 5.697G            | 20   | 5.378G            |
| 21                                               | 5.386G            | 22   | 5.711G            | 23   | 5.584G            | 24   | 5.350G            |
| 25                                               | 5.365G            | 26   | 5.337G            | 27   | 5.501G            | 28   | 5.272G            |
| 29                                               | 5.463G            | 30   | 5.420G            | 31   | 5.668G            | 32   | 5.283G            |
| 33                                               | 5.323G            | 34   | 5.640G            | 35   | 5.629G            | 36   | 5.502G            |
| 37                                               | 5.612G            | 38   | 5.329G            | 39   | 5.469G            | 40   | 5.701G            |
| 41                                               | 5.588G            | 42   | 5.295G            | 43   | 5.418G            | 44   | 5.683G            |
| 45                                               | 5.315G            | 46   | 5.573G            | 47   | 5.517G            | 48   | 5.592G            |
| 49                                               | 5.387G            | 50   | 5.311G            | 51   | 5.595G            | 52   | 5.580G            |
| 53                                               | 5.445G            | 54   | 5.381G            | 55   | 5.318G            | 56   | 5.523G            |
| 57                                               | 5.271G            | 58   | 5.705G            | 59   | 5.712G            | 60   | 5.669G            |
| 61                                               | 5.715G            | 62   | 5.507G            | 63   | 5.623G            | 64   | 5.491G            |
| 65                                               | 5.515G            | 66   | 5.604G            | 67   | 5.267G            | 68   | 5.368G            |
| 69                                               | 5.625G            | 70   | 5.714G            | 71   | 5.581G            | 72   | 5.407G            |
| 73                                               | 5.665G            | 74   | 5.475G            | 75   | 5.616G            | 76   | 5.276G            |
| 77                                               | 5.474G            | 78   | 5.716G            | 79   | 5.423G            | 80   | 5.302G            |
| 81                                               | 5.410G            | 82   | 5.496G            | 83   | 5.471G            | 84   | 5.413G            |
| 85                                               | 5.339G            | 86   | 5.565G            | 87   | 5.266G            | 88   | 5.352G            |
| 89                                               | 5.521G            | 90   | 5.275G            | 91   | 5.652G            | 92   | 5.653G            |
| 93                                               | 5.601G            | 94   | 5.593G            | 95   | 5.681G            | 96   | 5.656G            |
| 97                                               | 5.476G            | 98   | 5.498G            | 99   | 5.348G            | 100  | 5.446G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.303G            | 2    | 5.525G            | 3    | 5.524G            | 4    | 5.392G            |
| 5                                                | 5.396G            | 6    | 5.518G            | 7    | 5.534G            | 8    | 5.685G            |
| 9                                                | 5.573G            | 10   | 5.406G            | 11   | 5.468G            | 12   | 5.389G            |
| 13                                               | 5.492G            | 14   | 5.341G            | 15   | 5.585G            | 16   | 5.540G            |
| 17                                               | 5.323G            | 18   | 5.653G            | 19   | 5.652G            | 20   | 5.269G            |
| 21                                               | 5.460G            | 22   | 5.387G            | 23   | 5.443G            | 24   | 5.424G            |
| 25                                               | 5.643G            | 26   | 5.678G            | 27   | 5.312G            | 28   | 5.526G            |
| 29                                               | 5.675G            | 30   | 5.626G            | 31   | 5.515G            | 32   | 5.668G            |
| 33                                               | 5.495G            | 34   | 5.611G            | 35   | 5.633G            | 36   | 5.408G            |
| 37                                               | 5.344G            | 38   | 5.305G            | 39   | 5.493G            | 40   | 5.623G            |
| 41                                               | 5.717G            | 42   | 5.411G            | 43   | 5.569G            | 44   | 5.516G            |
| 45                                               | 5.478G            | 46   | 5.538G            | 47   | 5.673G            | 48   | 5.255G            |
| 49                                               | 5.566G            | 50   | 5.340G            | 51   | 5.512G            | 52   | 5.463G            |
| 53                                               | 5.561G            | 54   | 5.661G            | 55   | 5.624G            | 56   | 5.713G            |
| 57                                               | 5.256G            | 58   | 5.533G            | 59   | 5.322G            | 60   | 5.503G            |
| 61                                               | 5.487G            | 62   | 5.394G            | 63   | 5.638G            | 64   | 5.436G            |
| 65                                               | 5.311G            | 66   | 5.635G            | 67   | 5.298G            | 68   | 5.284G            |
| 69                                               | 5.375G            | 70   | 5.336G            | 71   | 5.694G            | 72   | 5.456G            |
| 73                                               | 5.295G            | 74   | 5.577G            | 75   | 5.605G            | 76   | 5.625G            |
| 77                                               | 5.417G            | 78   | 5.592G            | 79   | 5.437G            | 80   | 5.627G            |
| 81                                               | 5.629G            | 82   | 5.388G            | 83   | 5.414G            | 84   | 5.264G            |
| 85                                               | 5.572G            | 86   | 5.701G            | 87   | 5.360G            | 88   | 5.508G            |
| 89                                               | 5.689G            | 90   | 5.266G            | 91   | 5.707G            | 92   | 5.543G            |
| 93                                               | 5.671G            | 94   | 5.632G            | 95   | 5.596G            | 96   | 5.407G            |
| 97                                               | 5.510G            | 98   | 5.612G            | 99   | 5.337G            | 100  | 5.576G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.320G            | 2    | 5.569G            | 3    | 5.430G            | 4    | 5.515G            |
| 5                                                | 5.378G            | 6    | 5.686G            | 7    | 5.418G            | 8    | 5.682G            |
| 9                                                | 5.367G            | 10   | 5.715G            | 11   | 5.444G            | 12   | 5.405G            |
| 13                                               | 5.695G            | 14   | 5.421G            | 15   | 5.574G            | 16   | 5.293G            |
| 17                                               | 5.266G            | 18   | 5.450G            | 19   | 5.462G            | 20   | 5.524G            |
| 21                                               | 5.499G            | 22   | 5.520G            | 23   | 5.455G            | 24   | 5.270G            |
| 25                                               | 5.345G            | 26   | 5.560G            | 27   | 5.466G            | 28   | 5.491G            |
| 29                                               | 5.498G            | 30   | 5.602G            | 31   | 5.274G            | 32   | 5.550G            |
| 33                                               | 5.393G            | 34   | 5.454G            | 35   | 5.268G            | 36   | 5.590G            |
| 37                                               | 5.608G            | 38   | 5.424G            | 39   | 5.600G            | 40   | 5.276G            |
| 41                                               | 5.305G            | 42   | 5.374G            | 43   | 5.588G            | 44   | 5.662G            |
| 45                                               | 5.541G            | 46   | 5.516G            | 47   | 5.463G            | 48   | 5.677G            |
| 49                                               | 5.555G            | 50   | 5.540G            | 51   | 5.649G            | 52   | 5.484G            |
| 53                                               | 5.639G            | 54   | 5.641G            | 55   | 5.655G            | 56   | 5.316G            |
| 57                                               | 5.678G            | 58   | 5.357G            | 59   | 5.547G            | 60   | 5.269G            |
| 61                                               | 5.397G            | 62   | 5.318G            | 63   | 5.302G            | 64   | 5.596G            |
| 65                                               | 5.411G            | 66   | 5.538G            | 67   | 5.568G            | 68   | 5.626G            |
| 69                                               | 5.694G            | 70   | 5.671G            | 71   | 5.323G            | 72   | 5.267G            |
| 73                                               | 5.693G            | 74   | 5.643G            | 75   | 5.443G            | 76   | 5.598G            |
| 77                                               | 5.502G            | 78   | 5.528G            | 79   | 5.341G            | 80   | 5.445G            |
| 81                                               | 5.691G            | 82   | 5.353G            | 83   | 5.368G            | 84   | 5.575G            |
| 85                                               | 5.344G            | 86   | 5.440G            | 87   | 5.489G            | 88   | 5.501G            |
| 89                                               | 5.292G            | 90   | 5.355G            | 91   | 5.534G            | 92   | 5.642G            |
| 93                                               | 5.423G            | 94   | 5.545G            | 95   | 5.470G            | 96   | 5.409G            |
| 97                                               | 5.425G            | 98   | 5.612G            | 99   | 5.651G            | 100  | 5.688G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.679G            | 2    | 5.438G            | 3    | 5.375G            | 4    | 5.447G            |
| 5                                                | 5.698G            | 6    | 5.642G            | 7    | 5.366G            | 8    | 5.662G            |
| 9                                                | 5.653G            | 10   | 5.250G            | 11   | 5.299G            | 12   | 5.427G            |
| 13                                               | 5.303G            | 14   | 5.277G            | 15   | 5.283G            | 16   | 5.574G            |
| 17                                               | 5.720G            | 18   | 5.279G            | 19   | 5.455G            | 20   | 5.470G            |
| 21                                               | 5.638G            | 22   | 5.639G            | 23   | 5.323G            | 24   | 5.643G            |
| 25                                               | 5.619G            | 26   | 5.575G            | 27   | 5.633G            | 28   | 5.710G            |
| 29                                               | 5.411G            | 30   | 5.645G            | 31   | 5.712G            | 32   | 5.510G            |
| 33                                               | 5.604G            | 34   | 5.680G            | 35   | 5.284G            | 36   | 5.357G            |
| 37                                               | 5.397G            | 38   | 5.322G            | 39   | 5.294G            | 40   | 5.681G            |
| 41                                               | 5.555G            | 42   | 5.523G            | 43   | 5.591G            | 44   | 5.593G            |
| 45                                               | 5.392G            | 46   | 5.342G            | 47   | 5.401G            | 48   | 5.255G            |
| 49                                               | 5.363G            | 50   | 5.345G            | 51   | 5.348G            | 52   | 5.281G            |
| 53                                               | 5.449G            | 54   | 5.319G            | 55   | 5.671G            | 56   | 5.498G            |
| 57                                               | 5.558G            | 58   | 5.350G            | 59   | 5.464G            | 60   | 5.405G            |
| 61                                               | 5.717G            | 62   | 5.317G            | 63   | 5.669G            | 64   | 5.526G            |
| 65                                               | 5.530G            | 66   | 5.597G            | 67   | 5.329G            | 68   | 5.508G            |
| 69                                               | 5.270G            | 70   | 5.552G            | 71   | 5.634G            | 72   | 5.355G            |
| 73                                               | 5.646G            | 74   | 5.461G            | 75   | 5.516G            | 76   | 5.380G            |
| 77                                               | 5.263G            | 78   | 5.387G            | 79   | 5.306G            | 80   | 5.341G            |
| 81                                               | 5.605G            | 82   | 5.606G            | 83   | 5.687G            | 84   | 5.637G            |
| 85                                               | 5.362G            | 86   | 5.325G            | 87   | 5.305G            | 88   | 5.326G            |
| 89                                               | 5.688G            | 90   | 5.390G            | 91   | 5.477G            | 92   | 5.567G            |
| 93                                               | 5.320G            | 94   | 5.651G            | 95   | 5.499G            | 96   | 5.721G            |
| 97                                               | 5.296G            | 98   | 5.410G            | 99   | 5.673G            | 100  | 5.586G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.426G            | 2    | 5.604G            | 3    | 5.396G            | 4    | 5.259G            |
| 5                                                | 5.410G            | 6    | 5.543G            | 7    | 5.666G            | 8    | 5.395G            |
| 9                                                | 5.569G            | 10   | 5.340G            | 11   | 5.348G            | 12   | 5.690G            |
| 13                                               | 5.679G            | 14   | 5.628G            | 15   | 5.515G            | 16   | 5.588G            |
| 17                                               | 5.436G            | 18   | 5.547G            | 19   | 5.555G            | 20   | 5.385G            |
| 21                                               | 5.456G            | 22   | 5.563G            | 23   | 5.499G            | 24   | 5.573G            |
| 25                                               | 5.526G            | 26   | 5.264G            | 27   | 5.521G            | 28   | 5.528G            |
| 29                                               | 5.334G            | 30   | 5.363G            | 31   | 5.470G            | 32   | 5.386G            |
| 33                                               | 5.275G            | 34   | 5.693G            | 35   | 5.493G            | 36   | 5.427G            |
| 37                                               | 5.665G            | 38   | 5.446G            | 39   | 5.681G            | 40   | 5.382G            |
| 41                                               | 5.336G            | 42   | 5.416G            | 43   | 5.447G            | 44   | 5.390G            |
| 45                                               | 5.278G            | 46   | 5.685G            | 47   | 5.263G            | 48   | 5.342G            |
| 49                                               | 5.345G            | 50   | 5.343G            | 51   | 5.497G            | 52   | 5.653G            |
| 53                                               | 5.417G            | 54   | 5.309G            | 55   | 5.509G            | 56   | 5.579G            |
| 57                                               | 5.441G            | 58   | 5.684G            | 59   | 5.397G            | 60   | 5.341G            |
| 61                                               | 5.372G            | 62   | 5.315G            | 63   | 5.554G            | 64   | 5.540G            |
| 65                                               | 5.546G            | 66   | 5.268G            | 67   | 5.299G            | 68   | 5.561G            |
| 69                                               | 5.317G            | 70   | 5.656G            | 71   | 5.318G            | 72   | 5.703G            |
| 73                                               | 5.516G            | 74   | 5.544G            | 75   | 5.454G            | 76   | 5.414G            |
| 77                                               | 5.273G            | 78   | 5.574G            | 79   | 5.535G            | 80   | 5.380G            |
| 81                                               | 5.457G            | 82   | 5.595G            | 83   | 5.548G            | 84   | 5.466G            |
| 85                                               | 5.672G            | 86   | 5.271G            | 87   | 5.486G            | 88   | 5.650G            |
| 89                                               | 5.490G            | 90   | 5.699G            | 91   | 5.381G            | 92   | 5.581G            |
| 93                                               | 5.276G            | 94   | 5.550G            | 95   | 5.487G            | 96   | 5.402G            |
| 97                                               | 5.257G            | 98   | 5.406G            | 99   | 5.323G            | 100  | 5.371G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.421G            | 2    | 5.452G            | 3    | 5.547G            | 4    | 5.598G            |
| 5                                                | 5.335G            | 6    | 5.378G            | 7    | 5.572G            | 8    | 5.279G            |
| 9                                                | 5.419G            | 10   | 5.605G            | 11   | 5.553G            | 12   | 5.461G            |
| 13                                               | 5.406G            | 14   | 5.397G            | 15   | 5.293G            | 16   | 5.401G            |
| 17                                               | 5.435G            | 18   | 5.596G            | 19   | 5.683G            | 20   | 5.352G            |
| 21                                               | 5.480G            | 22   | 5.416G            | 23   | 5.575G            | 24   | 5.543G            |
| 25                                               | 5.708G            | 26   | 5.449G            | 27   | 5.652G            | 28   | 5.372G            |
| 29                                               | 5.661G            | 30   | 5.483G            | 31   | 5.588G            | 32   | 5.315G            |
| 33                                               | 5.251G            | 34   | 5.611G            | 35   | 5.667G            | 36   | 5.264G            |
| 37                                               | 5.283G            | 38   | 5.339G            | 39   | 5.592G            | 40   | 5.363G            |
| 41                                               | 5.629G            | 42   | 5.594G            | 43   | 5.518G            | 44   | 5.674G            |
| 45                                               | 5.573G            | 46   | 5.531G            | 47   | 5.323G            | 48   | 5.405G            |
| 49                                               | 5.353G            | 50   | 5.617G            | 51   | 5.468G            | 52   | 5.671G            |
| 53                                               | 5.695G            | 54   | 5.269G            | 55   | 5.515G            | 56   | 5.580G            |
| 57                                               | 5.649G            | 58   | 5.673G            | 59   | 5.299G            | 60   | 5.644G            |
| 61                                               | 5.509G            | 62   | 5.650G            | 63   | 5.500G            | 64   | 5.467G            |
| 65                                               | 5.344G            | 66   | 5.614G            | 67   | 5.538G            | 68   | 5.622G            |
| 69                                               | 5.645G            | 70   | 5.721G            | 71   | 5.368G            | 72   | 5.627G            |
| 73                                               | 5.260G            | 74   | 5.620G            | 75   | 5.601G            | 76   | 5.356G            |
| 77                                               | 5.413G            | 78   | 5.340G            | 79   | 5.451G            | 80   | 5.697G            |
| 81                                               | 5.643G            | 82   | 5.519G            | 83   | 5.444G            | 84   | 5.578G            |
| 85                                               | 5.624G            | 86   | 5.556G            | 87   | 5.551G            | 88   | 5.355G            |
| 89                                               | 5.677G            | 90   | 5.439G            | 91   | 5.548G            | 92   | 5.338G            |
| 93                                               | 5.277G            | 94   | 5.387G            | 95   | 5.252G            | 96   | 5.311G            |
| 97                                               | 5.651G            | 98   | 5.599G            | 99   | 5.574G            | 100  | 5.600G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.487G            | 2    | 5.444G            | 3    | 5.562G            | 4    | 5.715G            |
| 5                                                | 5.662G            | 6    | 5.308G            | 7    | 5.379G            | 8    | 5.453G            |
| 9                                                | 5.368G            | 10   | 5.629G            | 11   | 5.514G            | 12   | 5.329G            |
| 13                                               | 5.538G            | 14   | 5.356G            | 15   | 5.588G            | 16   | 5.391G            |
| 17                                               | 5.413G            | 18   | 5.700G            | 19   | 5.381G            | 20   | 5.618G            |
| 21                                               | 5.455G            | 22   | 5.558G            | 23   | 5.352G            | 24   | 5.582G            |
| 25                                               | 5.283G            | 26   | 5.709G            | 27   | 5.542G            | 28   | 5.394G            |
| 29                                               | 5.663G            | 30   | 5.689G            | 31   | 5.288G            | 32   | 5.262G            |
| 33                                               | 5.370G            | 34   | 5.371G            | 35   | 5.577G            | 36   | 5.702G            |
| 37                                               | 5.299G            | 38   | 5.465G            | 39   | 5.325G            | 40   | 5.503G            |
| 41                                               | 5.312G            | 42   | 5.549G            | 43   | 5.451G            | 44   | 5.314G            |
| 45                                               | 5.319G            | 46   | 5.274G            | 47   | 5.682G            | 48   | 5.388G            |
| 49                                               | 5.546G            | 50   | 5.513G            | 51   | 5.474G            | 52   | 5.713G            |
| 53                                               | 5.260G            | 54   | 5.251G            | 55   | 5.722G            | 56   | 5.408G            |
| 57                                               | 5.625G            | 58   | 5.392G            | 59   | 5.418G            | 60   | 5.389G            |
| 61                                               | 5.492G            | 62   | 5.668G            | 63   | 5.697G            | 64   | 5.482G            |
| 65                                               | 5.300G            | 66   | 5.647G            | 67   | 5.599G            | 68   | 5.494G            |
| 69                                               | 5.571G            | 70   | 5.348G            | 71   | 5.460G            | 72   | 5.716G            |
| 73                                               | 5.551G            | 74   | 5.327G            | 75   | 5.366G            | 76   | 5.509G            |
| 77                                               | 5.600G            | 78   | 5.406G            | 79   | 5.622G            | 80   | 5.495G            |
| 81                                               | 5.712G            | 82   | 5.404G            | 83   | 5.421G            | 84   | 5.464G            |
| 85                                               | 5.393G            | 86   | 5.470G            | 87   | 5.676G            | 88   | 5.617G            |
| 89                                               | 5.594G            | 90   | 5.637G            | 91   | 5.425G            | 92   | 5.691G            |
| 93                                               | 5.278G            | 94   | 5.410G            | 95   | 5.486G            | 96   | 5.632G            |
| 97                                               | 5.653G            | 98   | 5.400G            | 99   | 5.572G            | 100  | 5.426G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.329G            | 2    | 5.351G            | 3    | 5.639G            | 4    | 5.713G            |
| 5                                                | 5.256G            | 6    | 5.715G            | 7    | 5.672G            | 8    | 5.430G            |
| 9                                                | 5.291G            | 10   | 5.665G            | 11   | 5.459G            | 12   | 5.427G            |
| 13                                               | 5.693G            | 14   | 5.462G            | 15   | 5.571G            | 16   | 5.573G            |
| 17                                               | 5.474G            | 18   | 5.262G            | 19   | 5.596G            | 20   | 5.287G            |
| 21                                               | 5.327G            | 22   | 5.341G            | 23   | 5.326G            | 24   | 5.701G            |
| 25                                               | 5.457G            | 26   | 5.576G            | 27   | 5.681G            | 28   | 5.620G            |
| 29                                               | 5.325G            | 30   | 5.671G            | 31   | 5.543G            | 32   | 5.720G            |
| 33                                               | 5.521G            | 34   | 5.360G            | 35   | 5.485G            | 36   | 5.509G            |
| 37                                               | 5.408G            | 38   | 5.334G            | 39   | 5.555G            | 40   | 5.315G            |
| 41                                               | 5.417G            | 42   | 5.694G            | 43   | 5.623G            | 44   | 5.654G            |
| 45                                               | 5.253G            | 46   | 5.499G            | 47   | 5.544G            | 48   | 5.293G            |
| 49                                               | 5.708G            | 50   | 5.372G            | 51   | 5.366G            | 52   | 5.520G            |
| 53                                               | 5.302G            | 54   | 5.711G            | 55   | 5.590G            | 56   | 5.477G            |
| 57                                               | 5.349G            | 58   | 5.712G            | 59   | 5.305G            | 60   | 5.281G            |
| 61                                               | 5.383G            | 62   | 5.467G            | 63   | 5.397G            | 64   | 5.388G            |
| 65                                               | 5.527G            | 66   | 5.540G            | 67   | 5.651G            | 68   | 5.511G            |
| 69                                               | 5.386G            | 70   | 5.370G            | 71   | 5.580G            | 72   | 5.517G            |
| 73                                               | 5.684G            | 74   | 5.519G            | 75   | 5.435G            | 76   | 5.444G            |
| 77                                               | 5.535G            | 78   | 5.298G            | 79   | 5.699G            | 80   | 5.554G            |
| 81                                               | 5.514G            | 82   | 5.319G            | 83   | 5.473G            | 84   | 5.348G            |
| 85                                               | 5.705G            | 86   | 5.594G            | 87   | 5.323G            | 88   | 5.484G            |
| 89                                               | 5.506G            | 90   | 5.714G            | 91   | 5.411G            | 92   | 5.359G            |
| 93                                               | 5.421G            | 94   | 5.487G            | 95   | 5.258G            | 96   | 5.312G            |
| 97                                               | 5.491G            | 98   | 5.269G            | 99   | 5.320G            | 100  | 5.641G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.288G            | 2    | 5.291G            | 3    | 5.457G            | 4    | 5.252G            |
| 5                                                | 5.596G            | 6    | 5.598G            | 7    | 5.306G            | 8    | 5.434G            |
| 9                                                | 5.633G            | 10   | 5.625G            | 11   | 5.374G            | 12   | 5.477G            |
| 13                                               | 5.684G            | 14   | 5.272G            | 15   | 5.664G            | 16   | 5.441G            |
| 17                                               | 5.399G            | 18   | 5.586G            | 19   | 5.261G            | 20   | 5.656G            |
| 21                                               | 5.621G            | 22   | 5.373G            | 23   | 5.280G            | 24   | 5.376G            |
| 25                                               | 5.349G            | 26   | 5.530G            | 27   | 5.632G            | 28   | 5.348G            |
| 29                                               | 5.333G            | 30   | 5.618G            | 31   | 5.391G            | 32   | 5.283G            |
| 33                                               | 5.265G            | 34   | 5.273G            | 35   | 5.594G            | 36   | 5.440G            |
| 37                                               | 5.548G            | 38   | 5.651G            | 39   | 5.724G            | 40   | 5.584G            |
| 41                                               | 5.676G            | 42   | 5.682G            | 43   | 5.506G            | 44   | 5.294G            |
| 45                                               | 5.679G            | 46   | 5.323G            | 47   | 5.649G            | 48   | 5.497G            |
| 49                                               | 5.361G            | 50   | 5.337G            | 51   | 5.286G            | 52   | 5.268G            |
| 53                                               | 5.524G            | 54   | 5.513G            | 55   | 5.257G            | 56   | 5.300G            |
| 57                                               | 5.697G            | 58   | 5.504G            | 59   | 5.492G            | 60   | 5.607G            |
| 61                                               | 5.525G            | 62   | 5.377G            | 63   | 5.432G            | 64   | 5.310G            |
| 65                                               | 5.320G            | 66   | 5.661G            | 67   | 5.250G            | 68   | 5.493G            |
| 69                                               | 5.593G            | 70   | 5.346G            | 71   | 5.456G            | 72   | 5.307G            |
| 73                                               | 5.368G            | 74   | 5.281G            | 75   | 5.636G            | 76   | 5.382G            |
| 77                                               | 5.540G            | 78   | 5.538G            | 79   | 5.502G            | 80   | 5.573G            |
| 81                                               | 5.692G            | 82   | 5.445G            | 83   | 5.590G            | 84   | 5.370G            |
| 85                                               | 5.570G            | 86   | 5.439G            | 87   | 5.654G            | 88   | 5.443G            |
| 89                                               | 5.352G            | 90   | 5.581G            | 91   | 5.295G            | 92   | 5.681G            |
| 93                                               | 5.322G            | 94   | 5.680G            | 95   | 5.327G            | 96   | 5.561G            |
| 97                                               | 5.345G            | 98   | 5.550G            | 99   | 5.356G            | 100  | 5.609G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.269G            | 2    | 5.285G            | 3    | 5.400G            | 4    | 5.637G            |
| 5                                                | 5.564G            | 6    | 5.523G            | 7    | 5.255G            | 8    | 5.461G            |
| 9                                                | 5.563G            | 10   | 5.552G            | 11   | 5.625G            | 12   | 5.421G            |
| 13                                               | 5.531G            | 14   | 5.695G            | 15   | 5.271G            | 16   | 5.590G            |
| 17                                               | 5.484G            | 18   | 5.456G            | 19   | 5.352G            | 20   | 5.409G            |
| 21                                               | 5.672G            | 22   | 5.459G            | 23   | 5.292G            | 24   | 5.359G            |
| 25                                               | 5.486G            | 26   | 5.422G            | 27   | 5.650G            | 28   | 5.407G            |
| 29                                               | 5.633G            | 30   | 5.532G            | 31   | 5.720G            | 32   | 5.493G            |
| 33                                               | 5.357G            | 34   | 5.439G            | 35   | 5.472G            | 36   | 5.628G            |
| 37                                               | 5.442G            | 38   | 5.668G            | 39   | 5.343G            | 40   | 5.638G            |
| 41                                               | 5.466G            | 42   | 5.470G            | 43   | 5.585G            | 44   | 5.611G            |
| 45                                               | 5.471G            | 46   | 5.524G            | 47   | 5.307G            | 48   | 5.441G            |
| 49                                               | 5.398G            | 50   | 5.529G            | 51   | 5.545G            | 52   | 5.325G            |
| 53                                               | 5.641G            | 54   | 5.688G            | 55   | 5.657G            | 56   | 5.429G            |
| 57                                               | 5.302G            | 58   | 5.719G            | 59   | 5.687G            | 60   | 5.494G            |
| 61                                               | 5.328G            | 62   | 5.397G            | 63   | 5.475G            | 64   | 5.626G            |
| 65                                               | 5.693G            | 66   | 5.265G            | 67   | 5.608G            | 68   | 5.337G            |
| 69                                               | 5.485G            | 70   | 5.703G            | 71   | 5.554G            | 72   | 5.294G            |
| 73                                               | 5.505G            | 74   | 5.314G            | 75   | 5.324G            | 76   | 5.405G            |
| 77                                               | 5.355G            | 78   | 5.389G            | 79   | 5.649G            | 80   | 5.620G            |
| 81                                               | 5.259G            | 82   | 5.566G            | 83   | 5.645G            | 84   | 5.701G            |
| 85                                               | 5.510G            | 86   | 5.370G            | 87   | 5.539G            | 88   | 5.423G            |
| 89                                               | 5.342G            | 90   | 5.609G            | 91   | 5.384G            | 92   | 5.629G            |
| 93                                               | 5.369G            | 94   | 5.613G            | 95   | 5.718G            | 96   | 5.381G            |
| 97                                               | 5.424G            | 98   | 5.578G            | 99   | 5.568G            | 100  | 5.427G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.576G            | 2    | 5.614G            | 3    | 5.255G            | 4    | 5.381G            |
| 5                                                | 5.450G            | 6    | 5.715G            | 7    | 5.545G            | 8    | 5.517G            |
| 9                                                | 5.647G            | 10   | 5.317G            | 11   | 5.546G            | 12   | 5.375G            |
| 13                                               | 5.530G            | 14   | 5.439G            | 15   | 5.344G            | 16   | 5.541G            |
| 17                                               | 5.323G            | 18   | 5.513G            | 19   | 5.480G            | 20   | 5.586G            |
| 21                                               | 5.300G            | 22   | 5.565G            | 23   | 5.341G            | 24   | 5.472G            |
| 25                                               | 5.283G            | 26   | 5.524G            | 27   | 5.307G            | 28   | 5.284G            |
| 29                                               | 5.388G            | 30   | 5.583G            | 31   | 5.663G            | 32   | 5.332G            |
| 33                                               | 5.484G            | 34   | 5.362G            | 35   | 5.658G            | 36   | 5.295G            |
| 37                                               | 5.446G            | 38   | 5.491G            | 39   | 5.441G            | 40   | 5.570G            |
| 41                                               | 5.351G            | 42   | 5.533G            | 43   | 5.349G            | 44   | 5.655G            |
| 45                                               | 5.563G            | 46   | 5.638G            | 47   | 5.613G            | 48   | 5.646G            |
| 49                                               | 5.285G            | 50   | 5.696G            | 51   | 5.417G            | 52   | 5.358G            |
| 53                                               | 5.703G            | 54   | 5.669G            | 55   | 5.662G            | 56   | 5.713G            |
| 57                                               | 5.335G            | 58   | 5.321G            | 59   | 5.438G            | 60   | 5.355G            |
| 61                                               | 5.628G            | 62   | 5.412G            | 63   | 5.700G            | 64   | 5.674G            |
| 65                                               | 5.536G            | 66   | 5.334G            | 67   | 5.626G            | 68   | 5.465G            |
| 69                                               | 5.310G            | 70   | 5.518G            | 71   | 5.282G            | 72   | 5.551G            |
| 73                                               | 5.585G            | 74   | 5.548G            | 75   | 5.680G            | 76   | 5.376G            |
| 77                                               | 5.338G            | 78   | 5.440G            | 79   | 5.266G            | 80   | 5.648G            |
| 81                                               | 5.516G            | 82   | 5.468G            | 83   | 5.644G            | 84   | 5.414G            |
| 85                                               | 5.579G            | 86   | 5.393G            | 87   | 5.643G            | 88   | 5.537G            |
| 89                                               | 5.487G            | 90   | 5.592G            | 91   | 5.590G            | 92   | 5.423G            |
| 93                                               | 5.430G            | 94   | 5.288G            | 95   | 5.387G            | 96   | 5.636G            |
| 97                                               | 5.456G            | 98   | 5.508G            | 99   | 5.359G            | 100  | 5.425G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.650G            | 2    | 5.457G            | 3    | 5.366G            | 4    | 5.672G            |
| 5                                                | 5.654G            | 6    | 5.255G            | 7    | 5.381G            | 8    | 5.432G            |
| 9                                                | 5.701G            | 10   | 5.639G            | 11   | 5.310G            | 12   | 5.598G            |
| 13                                               | 5.405G            | 14   | 5.576G            | 15   | 5.464G            | 16   | 5.529G            |
| 17                                               | 5.659G            | 18   | 5.278G            | 19   | 5.251G            | 20   | 5.525G            |
| 21                                               | 5.530G            | 22   | 5.528G            | 23   | 5.567G            | 24   | 5.486G            |
| 25                                               | 5.394G            | 26   | 5.690G            | 27   | 5.713G            | 28   | 5.315G            |
| 29                                               | 5.533G            | 30   | 5.614G            | 31   | 5.623G            | 32   | 5.395G            |
| 33                                               | 5.620G            | 34   | 5.308G            | 35   | 5.379G            | 36   | 5.281G            |
| 37                                               | 5.677G            | 38   | 5.304G            | 39   | 5.537G            | 40   | 5.364G            |
| 41                                               | 5.352G            | 42   | 5.339G            | 43   | 5.284G            | 44   | 5.456G            |
| 45                                               | 5.626G            | 46   | 5.632G            | 47   | 5.287G            | 48   | 5.592G            |
| 49                                               | 5.452G            | 50   | 5.470G            | 51   | 5.329G            | 52   | 5.388G            |
| 53                                               | 5.356G            | 54   | 5.585G            | 55   | 5.593G            | 56   | 5.283G            |
| 57                                               | 5.603G            | 58   | 5.361G            | 59   | 5.408G            | 60   | 5.717G            |
| 61                                               | 5.404G            | 62   | 5.298G            | 63   | 5.347G            | 64   | 5.332G            |
| 65                                               | 5.412G            | 66   | 5.697G            | 67   | 5.674G            | 68   | 5.263G            |
| 69                                               | 5.499G            | 70   | 5.372G            | 71   | 5.676G            | 72   | 5.609G            |
| 73                                               | 5.619G            | 74   | 5.468G            | 75   | 5.692G            | 76   | 5.577G            |
| 77                                               | 5.578G            | 78   | 5.268G            | 79   | 5.428G            | 80   | 5.552G            |
| 81                                               | 5.413G            | 82   | 5.482G            | 83   | 5.579G            | 84   | 5.662G            |
| 85                                               | 5.621G            | 86   | 5.572G            | 87   | 5.682G            | 88   | 5.625G            |
| 89                                               | 5.644G            | 90   | 5.279G            | 91   | 5.253G            | 92   | 5.652G            |
| 93                                               | 5.678G            | 94   | 5.360G            | 95   | 5.627G            | 96   | 5.270G            |
| 97                                               | 5.721G            | 98   | 5.261G            | 99   | 5.497G            | 100  | 5.441G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.564G            | 2    | 5.702G            | 3    | 5.585G            | 4    | 5.465G            |
| 5                                                | 5.407G            | 6    | 5.670G            | 7    | 5.522G            | 8    | 5.466G            |
| 9                                                | 5.628G            | 10   | 5.659G            | 11   | 5.485G            | 12   | 5.704G            |
| 13                                               | 5.640G            | 14   | 5.367G            | 15   | 5.510G            | 16   | 5.722G            |
| 17                                               | 5.412G            | 18   | 5.355G            | 19   | 5.430G            | 20   | 5.549G            |
| 21                                               | 5.361G            | 22   | 5.329G            | 23   | 5.389G            | 24   | 5.587G            |
| 25                                               | 5.621G            | 26   | 5.720G            | 27   | 5.451G            | 28   | 5.320G            |
| 29                                               | 5.321G            | 30   | 5.424G            | 31   | 5.508G            | 32   | 5.618G            |
| 33                                               | 5.278G            | 34   | 5.556G            | 35   | 5.387G            | 36   | 5.374G            |
| 37                                               | 5.562G            | 38   | 5.553G            | 39   | 5.470G            | 40   | 5.276G            |
| 41                                               | 5.457G            | 42   | 5.439G            | 43   | 5.711G            | 44   | 5.518G            |
| 45                                               | 5.458G            | 46   | 5.513G            | 47   | 5.500G            | 48   | 5.376G            |
| 49                                               | 5.402G            | 50   | 5.447G            | 51   | 5.669G            | 52   | 5.524G            |
| 53                                               | 5.400G            | 54   | 5.515G            | 55   | 5.625G            | 56   | 5.652G            |
| 57                                               | 5.449G            | 58   | 5.301G            | 59   | 5.484G            | 60   | 5.529G            |
| 61                                               | 5.541G            | 62   | 5.333G            | 63   | 5.255G            | 64   | 5.354G            |
| 65                                               | 5.695G            | 66   | 5.365G            | 67   | 5.701G            | 68   | 5.494G            |
| 69                                               | 5.646G            | 70   | 5.454G            | 71   | 5.613G            | 72   | 5.721G            |
| 73                                               | 5.595G            | 74   | 5.688G            | 75   | 5.690G            | 76   | 5.487G            |
| 77                                               | 5.415G            | 78   | 5.428G            | 79   | 5.548G            | 80   | 5.591G            |
| 81                                               | 5.277G            | 82   | 5.496G            | 83   | 5.323G            | 84   | 5.302G            |
| 85                                               | 5.719G            | 86   | 5.298G            | 87   | 5.299G            | 88   | 5.614G            |
| 89                                               | 5.405G            | 90   | 5.497G            | 91   | 5.563G            | 92   | 5.291G            |
| 93                                               | 5.724G            | 94   | 5.483G            | 95   | 5.271G            | 96   | 5.297G            |
| 97                                               | 5.559G            | 98   | 5.311G            | 99   | 5.426G            | 100  | 5.360G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.336G            | 2    | 5.277G            | 3    | 5.619G            | 4    | 5.303G            |
| 5                                                | 5.685G            | 6    | 5.545G            | 7    | 5.356G            | 8    | 5.341G            |
| 9                                                | 5.471G            | 10   | 5.533G            | 11   | 5.724G            | 12   | 5.716G            |
| 13                                               | 5.267G            | 14   | 5.495G            | 15   | 5.253G            | 16   | 5.460G            |
| 17                                               | 5.600G            | 18   | 5.279G            | 19   | 5.333G            | 20   | 5.335G            |
| 21                                               | 5.566G            | 22   | 5.384G            | 23   | 5.718G            | 24   | 5.616G            |
| 25                                               | 5.598G            | 26   | 5.588G            | 27   | 5.722G            | 28   | 5.591G            |
| 29                                               | 5.621G            | 30   | 5.475G            | 31   | 5.366G            | 32   | 5.692G            |
| 33                                               | 5.681G            | 34   | 5.306G            | 35   | 5.595G            | 36   | 5.594G            |
| 37                                               | 5.673G            | 38   | 5.291G            | 39   | 5.400G            | 40   | 5.269G            |
| 41                                               | 5.426G            | 42   | 5.491G            | 43   | 5.281G            | 44   | 5.395G            |
| 45                                               | 5.515G            | 46   | 5.288G            | 47   | 5.519G            | 48   | 5.334G            |
| 49                                               | 5.711G            | 50   | 5.550G            | 51   | 5.464G            | 52   | 5.525G            |
| 53                                               | 5.377G            | 54   | 5.265G            | 55   | 5.452G            | 56   | 5.596G            |
| 57                                               | 5.297G            | 58   | 5.305G            | 59   | 5.565G            | 60   | 5.579G            |
| 61                                               | 5.345G            | 62   | 5.703G            | 63   | 5.719G            | 64   | 5.298G            |
| 65                                               | 5.541G            | 66   | 5.456G            | 67   | 5.282G            | 68   | 5.645G            |
| 69                                               | 5.421G            | 70   | 5.357G            | 71   | 5.351G            | 72   | 5.431G            |
| 73                                               | 5.674G            | 74   | 5.449G            | 75   | 5.576G            | 76   | 5.539G            |
| 77                                               | 5.264G            | 78   | 5.257G            | 79   | 5.439G            | 80   | 5.562G            |
| 81                                               | 5.493G            | 82   | 5.642G            | 83   | 5.668G            | 84   | 5.477G            |
| 85                                               | 5.450G            | 86   | 5.311G            | 87   | 5.544G            | 88   | 5.707G            |
| 89                                               | 5.402G            | 90   | 5.567G            | 91   | 5.442G            | 92   | 5.343G            |
| 93                                               | 5.720G            | 94   | 5.397G            | 95   | 5.665G            | 96   | 5.582G            |
| 97                                               | 5.405G            | 98   | 5.467G            | 99   | 5.444G            | 100  | 5.693G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.474G            | 2    | 5.271G            | 3    | 5.495G            | 4    | 5.592G            |
| 5                                                | 5.560G            | 6    | 5.447G            | 7    | 5.713G            | 8    | 5.561G            |
| 9                                                | 5.389G            | 10   | 5.526G            | 11   | 5.400G            | 12   | 5.715G            |
| 13                                               | 5.672G            | 14   | 5.388G            | 15   | 5.450G            | 16   | 5.325G            |
| 17                                               | 5.706G            | 18   | 5.556G            | 19   | 5.621G            | 20   | 5.522G            |
| 21                                               | 5.532G            | 22   | 5.357G            | 23   | 5.587G            | 24   | 5.258G            |
| 25                                               | 5.435G            | 26   | 5.329G            | 27   | 5.716G            | 28   | 5.571G            |
| 29                                               | 5.344G            | 30   | 5.250G            | 31   | 5.649G            | 32   | 5.639G            |
| 33                                               | 5.611G            | 34   | 5.466G            | 35   | 5.612G            | 36   | 5.274G            |
| 37                                               | 5.263G            | 38   | 5.539G            | 39   | 5.434G            | 40   | 5.645G            |
| 41                                               | 5.615G            | 42   | 5.572G            | 43   | 5.574G            | 44   | 5.549G            |
| 45                                               | 5.420G            | 46   | 5.646G            | 47   | 5.501G            | 48   | 5.402G            |
| 49                                               | 5.453G            | 50   | 5.320G            | 51   | 5.674G            | 52   | 5.491G            |
| 53                                               | 5.683G            | 54   | 5.700G            | 55   | 5.607G            | 56   | 5.441G            |
| 57                                               | 5.625G            | 58   | 5.464G            | 59   | 5.699G            | 60   | 5.490G            |
| 61                                               | 5.265G            | 62   | 5.719G            | 63   | 5.470G            | 64   | 5.494G            |
| 65                                               | 5.302G            | 66   | 5.391G            | 67   | 5.541G            | 68   | 5.641G            |
| 69                                               | 5.338G            | 70   | 5.722G            | 71   | 5.475G            | 72   | 5.295G            |
| 73                                               | 5.352G            | 74   | 5.692G            | 75   | 5.583G            | 76   | 5.529G            |
| 77                                               | 5.665G            | 78   | 5.603G            | 79   | 5.423G            | 80   | 5.465G            |
| 81                                               | 5.487G            | 82   | 5.415G            | 83   | 5.381G            | 84   | 5.354G            |
| 85                                               | 5.624G            | 86   | 5.502G            | 87   | 5.533G            | 88   | 5.688G            |
| 89                                               | 5.375G            | 90   | 5.272G            | 91   | 5.622G            | 92   | 5.437G            |
| 93                                               | 5.499G            | 94   | 5.714G            | 95   | 5.578G            | 96   | 5.576G            |
| 97                                               | 5.278G            | 98   | 5.513G            | 99   | 5.419G            | 100  | 5.383G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.668G            | 2    | 5.412G            | 3    | 5.577G            | 4    | 5.421G            |
| 5                                                | 5.372G            | 6    | 5.376G            | 7    | 5.363G            | 8    | 5.645G            |
| 9                                                | 5.696G            | 10   | 5.596G            | 11   | 5.650G            | 12   | 5.587G            |
| 13                                               | 5.306G            | 14   | 5.691G            | 15   | 5.341G            | 16   | 5.256G            |
| 17                                               | 5.399G            | 18   | 5.429G            | 19   | 5.392G            | 20   | 5.632G            |
| 21                                               | 5.263G            | 22   | 5.466G            | 23   | 5.567G            | 24   | 5.265G            |
| 25                                               | 5.522G            | 26   | 5.661G            | 27   | 5.700G            | 28   | 5.511G            |
| 29                                               | 5.536G            | 30   | 5.326G            | 31   | 5.709G            | 32   | 5.695G            |
| 33                                               | 5.669G            | 34   | 5.523G            | 35   | 5.582G            | 36   | 5.580G            |
| 37                                               | 5.550G            | 38   | 5.277G            | 39   | 5.285G            | 40   | 5.557G            |
| 41                                               | 5.574G            | 42   | 5.461G            | 43   | 5.425G            | 44   | 5.551G            |
| 45                                               | 5.608G            | 46   | 5.261G            | 47   | 5.317G            | 48   | 5.260G            |
| 49                                               | 5.439G            | 50   | 5.562G            | 51   | 5.324G            | 52   | 5.414G            |
| 53                                               | 5.527G            | 54   | 5.497G            | 55   | 5.686G            | 56   | 5.259G            |
| 57                                               | 5.664G            | 58   | 5.590G            | 59   | 5.478G            | 60   | 5.404G            |
| 61                                               | 5.589G            | 62   | 5.607G            | 63   | 5.481G            | 64   | 5.689G            |
| 65                                               | 5.389G            | 66   | 5.640G            | 67   | 5.720G            | 68   | 5.697G            |
| 69                                               | 5.402G            | 70   | 5.452G            | 71   | 5.313G            | 72   | 5.717G            |
| 73                                               | 5.257G            | 74   | 5.287G            | 75   | 5.534G            | 76   | 5.553G            |
| 77                                               | 5.304G            | 78   | 5.684G            | 79   | 5.374G            | 80   | 5.390G            |
| 81                                               | 5.441G            | 82   | 5.506G            | 83   | 5.444G            | 84   | 5.329G            |
| 85                                               | 5.250G            | 86   | 5.503G            | 87   | 5.588G            | 88   | 5.442G            |
| 89                                               | 5.611G            | 90   | 5.561G            | 91   | 5.406G            | 92   | 5.663G            |
| 93                                               | 5.297G            | 94   | 5.619G            | 95   | 5.405G            | 96   | 5.677G            |
| 97                                               | 5.501G            | 98   | 5.508G            | 99   | 5.262G            | 100  | 5.474G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.307G            | 2    | 5.649G            | 3    | 5.482G            | 4    | 5.315G            |
| 5                                                | 5.443G            | 6    | 5.285G            | 7    | 5.390G            | 8    | 5.326G            |
| 9                                                | 5.654G            | 10   | 5.581G            | 11   | 5.263G            | 12   | 5.687G            |
| 13                                               | 5.679G            | 14   | 5.486G            | 15   | 5.279G            | 16   | 5.680G            |
| 17                                               | 5.387G            | 18   | 5.608G            | 19   | 5.487G            | 20   | 5.724G            |
| 21                                               | 5.683G            | 22   | 5.430G            | 23   | 5.436G            | 24   | 5.320G            |
| 25                                               | 5.281G            | 26   | 5.257G            | 27   | 5.539G            | 28   | 5.255G            |
| 29                                               | 5.622G            | 30   | 5.359G            | 31   | 5.251G            | 32   | 5.418G            |
| 33                                               | 5.456G            | 34   | 5.569G            | 35   | 5.628G            | 36   | 5.643G            |
| 37                                               | 5.301G            | 38   | 5.488G            | 39   | 5.338G            | 40   | 5.584G            |
| 41                                               | 5.685G            | 42   | 5.503G            | 43   | 5.411G            | 44   | 5.697G            |
| 45                                               | 5.574G            | 46   | 5.558G            | 47   | 5.468G            | 48   | 5.355G            |
| 49                                               | 5.478G            | 50   | 5.549G            | 51   | 5.283G            | 52   | 5.648G            |
| 53                                               | 5.695G            | 54   | 5.371G            | 55   | 5.304G            | 56   | 5.705G            |
| 57                                               | 5.722G            | 58   | 5.349G            | 59   | 5.453G            | 60   | 5.591G            |
| 61                                               | 5.678G            | 62   | 5.401G            | 63   | 5.284G            | 64   | 5.481G            |
| 65                                               | 5.381G            | 66   | 5.644G            | 67   | 5.422G            | 68   | 5.590G            |
| 69                                               | 5.547G            | 70   | 5.458G            | 71   | 5.274G            | 72   | 5.446G            |
| 73                                               | 5.523G            | 74   | 5.391G            | 75   | 5.719G            | 76   | 5.296G            |
| 77                                               | 5.521G            | 78   | 5.286G            | 79   | 5.435G            | 80   | 5.336G            |
| 81                                               | 5.619G            | 82   | 5.668G            | 83   | 5.565G            | 84   | 5.343G            |
| 85                                               | 5.434G            | 86   | 5.356G            | 87   | 5.374G            | 88   | 5.278G            |
| 89                                               | 5.449G            | 90   | 5.660G            | 91   | 5.544G            | 92   | 5.363G            |
| 93                                               | 5.604G            | 94   | 5.314G            | 95   | 5.499G            | 96   | 5.531G            |
| 97                                               | 5.322G            | 98   | 5.347G            | 99   | 5.675G            | 100  | 5.273G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.587G            | 2    | 5.271G            | 3    | 5.622G            | 4    | 5.676G            |
| 5                                                | 5.627G            | 6    | 5.604G            | 7    | 5.309G            | 8    | 5.666G            |
| 9                                                | 5.449G            | 10   | 5.613G            | 11   | 5.340G            | 12   | 5.579G            |
| 13                                               | 5.372G            | 14   | 5.263G            | 15   | 5.252G            | 16   | 5.665G            |
| 17                                               | 5.568G            | 18   | 5.386G            | 19   | 5.639G            | 20   | 5.480G            |
| 21                                               | 5.251G            | 22   | 5.270G            | 23   | 5.614G            | 24   | 5.698G            |
| 25                                               | 5.549G            | 26   | 5.451G            | 27   | 5.335G            | 28   | 5.685G            |
| 29                                               | 5.464G            | 30   | 5.424G            | 31   | 5.291G            | 32   | 5.400G            |
| 33                                               | 5.555G            | 34   | 5.530G            | 35   | 5.510G            | 36   | 5.278G            |
| 37                                               | 5.257G            | 38   | 5.595G            | 39   | 5.724G            | 40   | 5.645G            |
| 41                                               | 5.675G            | 42   | 5.317G            | 43   | 5.695G            | 44   | 5.722G            |
| 45                                               | 5.277G            | 46   | 5.522G            | 47   | 5.686G            | 48   | 5.597G            |
| 49                                               | 5.588G            | 50   | 5.517G            | 51   | 5.518G            | 52   | 5.707G            |
| 53                                               | 5.431G            | 54   | 5.364G            | 55   | 5.542G            | 56   | 5.513G            |
| 57                                               | 5.322G            | 58   | 5.405G            | 59   | 5.402G            | 60   | 5.560G            |
| 61                                               | 5.677G            | 62   | 5.492G            | 63   | 5.446G            | 64   | 5.268G            |
| 65                                               | 5.717G            | 66   | 5.459G            | 67   | 5.357G            | 68   | 5.655G            |
| 69                                               | 5.650G            | 70   | 5.314G            | 71   | 5.688G            | 72   | 5.528G            |
| 73                                               | 5.535G            | 74   | 5.715G            | 75   | 5.380G            | 76   | 5.648G            |
| 77                                               | 5.556G            | 78   | 5.531G            | 79   | 5.616G            | 80   | 5.586G            |
| 81                                               | 5.612G            | 82   | 5.435G            | 83   | 5.656G            | 84   | 5.659G            |
| 85                                               | 5.546G            | 86   | 5.407G            | 87   | 5.346G            | 88   | 5.516G            |
| 89                                               | 5.623G            | 90   | 5.634G            | 91   | 5.325G            | 92   | 5.420G            |
| 93                                               | 5.720G            | 94   | 5.558G            | 95   | 5.478G            | 96   | 5.644G            |
| 97                                               | 5.311G            | 98   | 5.607G            | 99   | 5.273G            | 100  | 5.444G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.490G            | 2    | 5.296G            | 3    | 5.458G            | 4    | 5.553G            |
| 5                                                | 5.430G            | 6    | 5.516G            | 7    | 5.414G            | 8    | 5.618G            |
| 9                                                | 5.521G            | 10   | 5.544G            | 11   | 5.721G            | 12   | 5.438G            |
| 13                                               | 5.311G            | 14   | 5.677G            | 15   | 5.386G            | 16   | 5.382G            |
| 17                                               | 5.600G            | 18   | 5.446G            | 19   | 5.549G            | 20   | 5.422G            |
| 21                                               | 5.291G            | 22   | 5.581G            | 23   | 5.316G            | 24   | 5.359G            |
| 25                                               | 5.637G            | 26   | 5.588G            | 27   | 5.612G            | 28   | 5.288G            |
| 29                                               | 5.455G            | 30   | 5.541G            | 31   | 5.385G            | 32   | 5.557G            |
| 33                                               | 5.413G            | 34   | 5.701G            | 35   | 5.515G            | 36   | 5.254G            |
| 37                                               | 5.459G            | 38   | 5.714G            | 39   | 5.502G            | 40   | 5.528G            |
| 41                                               | 5.536G            | 42   | 5.260G            | 43   | 5.614G            | 44   | 5.451G            |
| 45                                               | 5.663G            | 46   | 5.532G            | 47   | 5.273G            | 48   | 5.482G            |
| 49                                               | 5.689G            | 50   | 5.326G            | 51   | 5.578G            | 52   | 5.537G            |
| 53                                               | 5.266G            | 54   | 5.387G            | 55   | 5.299G            | 56   | 5.513G            |
| 57                                               | 5.355G            | 58   | 5.297G            | 59   | 5.569G            | 60   | 5.262G            |
| 61                                               | 5.699G            | 62   | 5.551G            | 63   | 5.648G            | 64   | 5.679G            |
| 65                                               | 5.389G            | 66   | 5.607G            | 67   | 5.450G            | 68   | 5.421G            |
| 69                                               | 5.571G            | 70   | 5.629G            | 71   | 5.345G            | 72   | 5.623G            |
| 73                                               | 5.380G            | 74   | 5.643G            | 75   | 5.656G            | 76   | 5.500G            |
| 77                                               | 5.664G            | 78   | 5.550G            | 79   | 5.554G            | 80   | 5.269G            |
| 81                                               | 5.435G            | 82   | 5.442G            | 83   | 5.715G            | 84   | 5.284G            |
| 85                                               | 5.277G            | 86   | 5.582G            | 87   | 5.460G            | 88   | 5.412G            |
| 89                                               | 5.638G            | 90   | 5.354G            | 91   | 5.265G            | 92   | 5.323G            |
| 93                                               | 5.585G            | 94   | 5.539G            | 95   | 5.711G            | 96   | 5.390G            |
| 97                                               | 5.697G            | 98   | 5.619G            | 99   | 5.552G            | 100  | 5.650G            |

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| Type 1 Radar Statistical Performances |                  |                 |                                   |         |                       |           |
|---------------------------------------|------------------|-----------------|-----------------------------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | Pulse Repetition Frequency Number | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 89               | 1.0u            | 5                                 | 598.0u  | 5252                  | Yes       |
| 2                                     | 81               | 1.0u            | 8                                 | 658.0u  | 5255                  | Yes       |
| 3                                     | 86               | 1.0u            | 6                                 | 618.0u  | 5257                  | Yes       |
| 4                                     | 78               | 1.0u            | 9                                 | 678.0u  | 5258                  | Yes       |
| 5                                     | 76               | 1.0u            | 10                                | 698.0u  | 5260                  | Yes       |
| 6                                     | 72               | 1.0u            | 12                                | 738.0u  | 5261                  | Yes       |
| 7                                     | 70               | 1.0u            | 13                                | 758.0u  | 5263                  | Yes       |
| 8                                     | 68               | 1.0u            | 14                                | 778.0u  | 5265                  | Yes       |
| 9                                     | 65               | 1.0u            | 16                                | 818.0u  | 5267                  | Yes       |
| 10                                    | 63               | 1.0u            | 17                                | 838.0u  | 5269                  | Yes       |
| 11                                    | 62               | 1.0u            | 18                                | 858.0u  | 5271                  | Yes       |
| 12                                    | 61               | 1.0u            | 19                                | 878.0u  | 5273                  | Yes       |
| 13                                    | 59               | 1.0u            | 20                                | 898.0u  | 5275                  | Yes       |
| 14                                    | 58               | 1.0u            | 21                                | 918.0u  | 5277                  | Yes       |
| 15                                    | 57               | 1.0u            | 22                                | 938.0u  | 5280                  | Yes       |
| 16                                    | 68               | 1.0u            | -                                 | 781.0u  | 5284                  | Yes       |
| 17                                    | 60               | 1.0u            | -                                 | 881.0u  | 5287                  | Yes       |
| 18                                    | 59               | 1.0u            | -                                 | 907.0u  | 5290                  | Yes       |
| 19                                    | 59               | 1.0u            | -                                 | 931.0u  | 5292                  | Yes       |
| 20                                    | 63               | 1.0u            | -                                 | 851.0u  | 5296                  | Yes       |
| 21                                    | 71               | 1.0u            | -                                 | 751.0u  | 5300                  | Yes       |
| 22                                    | 67               | 1.0u            | -                                 | 793.0u  | 5304                  | Yes       |
| 23                                    | 64               | 1.0u            | -                                 | 833.0u  | 5306                  | Yes       |
| 24                                    | 60               | 1.0u            | -                                 | 893.0u  | 5310                  | Yes       |
| 25                                    | 86               | 1.0u            | -                                 | 617.0u  | 5312                  | Yes       |
| 26                                    | 76               | 1.0u            | -                                 | 697.0u  | 5315                  | Yes       |
| 27                                    | 68               | 1.0u            | -                                 | 777.0u  | 5317                  | Yes       |
| 28                                    | 67               | 1.0u            | -                                 | 797.0u  | 5320                  | Yes       |
| 29                                    | 64               | 1.0u            | -                                 | 837.0u  | 5325                  | Yes       |
| 30                                    | 58               | 1.0u            | -                                 | 917.0u  | 5328                  | Yes       |
| Detection Rate: 100 %                 |                  |                 |                                   |         |                       |           |



| Type 2 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 26               | 3.3u            | 225.0u  | 5252                  | Yes       |
| 2                                     | 27               | 3.6u            | 171.0u  | 5255                  | Yes       |
| 3                                     | 24               | 2.9u            | 155.0u  | 5257                  | Yes       |
| 4                                     | 28               | 1.1u            | 174.0u  | 5258                  | Yes       |
| 5                                     | 24               | 3.8u            | 179.0u  | 5260                  | Yes       |
| 6                                     | 24               | 3.7u            | 217.0u  | 5261                  | Yes       |
| 7                                     | 23               | 2.9u            | 153.0u  | 5263                  | Yes       |
| 8                                     | 26               | 4.8u            | 169.0u  | 5265                  | Yes       |
| 9                                     | 25               | 1.2u            | 152.0u  | 5267                  | Yes       |
| 10                                    | 28               | 2.6u            | 228.0u  | 5269                  | Yes       |
| 11                                    | 26               | 1.6u            | 151.0u  | 5271                  | Yes       |
| 12                                    | 24               | 2.0u            | 152.0u  | 5273                  | Yes       |
| 13                                    | 26               | 1.7u            | 176.0u  | 5275                  | Yes       |
| 14                                    | 29               | 4.4u            | 229.0u  | 5277                  | Yes       |
| 15                                    | 25               | 3.2u            | 169.0u  | 5280                  | Yes       |
| 16                                    | 24               | 4.5u            | 226.0u  | 5284                  | Yes       |
| 17                                    | 27               | 3.1u            | 156.0u  | 5287                  | No        |
| 18                                    | 23               | 1.5u            | 176.0u  | 5290                  | Yes       |
| 19                                    | 28               | 3.5u            | 225.0u  | 5292                  | Yes       |
| 20                                    | 28               | 1.8u            | 182.0u  | 5296                  | Yes       |
| 21                                    | 27               | 1.2u            | 180.0u  | 5300                  | Yes       |
| 22                                    | 28               | 3.5u            | 213.0u  | 5304                  | Yes       |
| 23                                    | 24               | 2.5u            | 175.0u  | 5306                  | Yes       |
| 24                                    | 27               | 3.1u            | 164.0u  | 5310                  | Yes       |
| 25                                    | 26               | 1.8u            | 151.0u  | 5312                  | Yes       |
| 26                                    | 26               | 1.7u            | 217.0u  | 5315                  | Yes       |
| 27                                    | 25               | 3.1u            | 183.0u  | 5317                  | Yes       |
| 28                                    | 23               | 1.3u            | 185.0u  | 5320                  | Yes       |
| 29                                    | 26               | 1.4u            | 219.0u  | 5325                  | Yes       |
| 30                                    | 24               | 3.5u            | 183.0u  | 5328                  | Yes       |
| Detection Rate: 96.7 %                |                  |                 |         |                       |           |

| Type 3 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 16               | 8.8u            | 280.0u  | 5252                  | Yes       |
| 2                                     | 16               | 8.8u            | 462.0u  | 5255                  | Yes       |
| 3                                     | 18               | 6.0u            | 378.0u  | 5257                  | Yes       |
| 4                                     | 16               | 8.8u            | 413.0u  | 5258                  | Yes       |
| 5                                     | 17               | 8.7u            | 385.0u  | 5260                  | Yes       |
| 6                                     | 17               | 8.5u            | 447.0u  | 5261                  | Yes       |
| 7                                     | 16               | 7.5u            | 284.0u  | 5263                  | Yes       |
| 8                                     | 16               | 9.9u            | 276.0u  | 5265                  | Yes       |
| 9                                     | 17               | 9.9u            | 461.0u  | 5267                  | Yes       |
| 10                                    | 16               | 8.4u            | 446.0u  | 5269                  | No        |
| 11                                    | 16               | 8.9u            | 314.0u  | 5271                  | No        |
| 12                                    | 18               | 6.3u            | 387.0u  | 5273                  | Yes       |
| 13                                    | 17               | 8.5u            | 273.0u  | 5275                  | Yes       |
| 14                                    | 18               | 8.6u            | 322.0u  | 5277                  | Yes       |
| 15                                    | 17               | 7.0u            | 286.0u  | 5280                  | Yes       |
| 16                                    | 18               | 9.2u            | 305.0u  | 5284                  | Yes       |
| 17                                    | 17               | 9.2u            | 316.0u  | 5287                  | Yes       |
| 18                                    | 16               | 7.4u            | 214.0u  | 5290                  | Yes       |
| 19                                    | 18               | 9.3u            | 255.0u  | 5292                  | Yes       |
| 20                                    | 17               | 9.6u            | 240.0u  | 5296                  | Yes       |
| 21                                    | 17               | 6.0u            | 205.0u  | 5300                  | Yes       |
| 22                                    | 16               | 6.9u            | 202.0u  | 5304                  | Yes       |
| 23                                    | 17               | 7.9u            | 405.0u  | 5306                  | Yes       |
| 24                                    | 17               | 9.1u            | 397.0u  | 5310                  | Yes       |
| 25                                    | 16               | 8.2u            | 485.0u  | 5312                  | Yes       |
| 26                                    | 16               | 9.9u            | 428.0u  | 5315                  | Yes       |
| 27                                    | 17               | 7.2u            | 247.0u  | 5317                  | Yes       |
| 28                                    | 17               | 8.7u            | 457.0u  | 5320                  | Yes       |
| 29                                    | 17               | 8.1u            | 327.0u  | 5325                  | Yes       |
| 30                                    | 17               | 7.0u            | 429.0u  | 5328                  | No        |
| Detection Rate: 90 %                  |                  |                 |         |                       |           |

| Type 4 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 14               | 16.1u           | 359.0u  | 5252                  | Yes       |
| 2                                     | 12               | 19.9u           | 419.0u  | 5255                  | No        |
| 3                                     | 15               | 19.1u           | 300.0u  | 5257                  | Yes       |
| 4                                     | 12               | 16.5u           | 497.0u  | 5258                  | Yes       |
| 5                                     | 16               | 11.5u           | 347.0u  | 5260                  | Yes       |
| 6                                     | 15               | 13.0u           | 396.0u  | 5261                  | Yes       |
| 7                                     | 16               | 12.4u           | 326.0u  | 5263                  | Yes       |
| 8                                     | 14               | 17.7u           | 309.0u  | 5265                  | Yes       |
| 9                                     | 14               | 17.9u           | 416.0u  | 5267                  | Yes       |
| 10                                    | 14               | 14.4u           | 441.0u  | 5269                  | Yes       |
| 11                                    | 14               | 11.4u           | 305.0u  | 5271                  | Yes       |
| 12                                    | 15               | 17.7u           | 333.0u  | 5273                  | Yes       |
| 13                                    | 13               | 17.2u           | 203.0u  | 5275                  | Yes       |
| 14                                    | 16               | 16.1u           | 371.0u  | 5277                  | Yes       |
| 15                                    | 15               | 19.9u           | 204.0u  | 5280                  | Yes       |
| 16                                    | 12               | 12.8u           | 444.0u  | 5284                  | Yes       |
| 17                                    | 15               | 15.6u           | 415.0u  | 5287                  | Yes       |
| 18                                    | 14               | 19.7u           | 321.0u  | 5290                  | Yes       |
| 19                                    | 14               | 19.9u           | 499.0u  | 5292                  | Yes       |
| 20                                    | 13               | 13.1u           | 438.0u  | 5296                  | Yes       |
| 21                                    | 15               | 16.6u           | 432.0u  | 5300                  | Yes       |
| 22                                    | 13               | 18.1u           | 351.0u  | 5304                  | No        |
| 23                                    | 16               | 18.6u           | 382.0u  | 5306                  | Yes       |
| 24                                    | 15               | 19.2u           | 484.0u  | 5310                  | Yes       |
| 25                                    | 16               | 15.7u           | 496.0u  | 5312                  | Yes       |
| 26                                    | 15               | 13.7u           | 368.0u  | 5315                  | Yes       |
| 27                                    | 13               | 17.7u           | 311.0u  | 5317                  | Yes       |
| 28                                    | 13               | 13.8u           | 368.0u  | 5320                  | Yes       |
| 29                                    | 13               | 19.1u           | 404.0u  | 5325                  | Yes       |
| 30                                    | 13               | 15.2u           | 226.0u  | 5328                  | Yes       |
| Detection Rate: 93.3 %                |                  |                 |         |                       |           |

| Type 5 Radar Statistical Performances |                  |           |
|---------------------------------------|------------------|-----------|
| Trial #                               | Test Signal Name | Detection |
| 1                                     | LP_Signal_01     | Yes       |
| 2                                     | LP_Signal_02     | Yes       |
| 3                                     | LP_Signal_03     | Yes       |
| 4                                     | LP_Signal_04     | Yes       |
| 5                                     | LP_Signal_05     | Yes       |
| 6                                     | LP_Signal_06     | Yes       |
| 7                                     | LP_Signal_07     | Yes       |
| 8                                     | LP_Signal_08     | Yes       |
| 9                                     | LP_Signal_09     | Yes       |
| 10                                    | LP_Signal_10     | Yes       |
| 11                                    | LP_Signal_11     | Yes       |
| 12                                    | LP_Signal_12     | Yes       |
| 13                                    | LP_Signal_13     | Yes       |
| 14                                    | LP_Signal_14     | Yes       |
| 15                                    | LP_Signal_15     | No        |
| 16                                    | LP_Signal_16     | Yes       |
| 17                                    | LP_Signal_17     | Yes       |
| 18                                    | LP_Signal_18     | Yes       |
| 19                                    | LP_Signal_19     | Yes       |
| 20                                    | LP_Signal_20     | Yes       |
| 21                                    | LP_Signal_21     | Yes       |
| 22                                    | LP_Signal_22     | No        |
| 23                                    | LP_Signal_23     | Yes       |
| 24                                    | LP_Signal_24     | Yes       |
| 25                                    | LP_Signal_25     | Yes       |
| 26                                    | LP_Signal_26     | Yes       |
| 27                                    | LP_Signal_27     | Yes       |
| 28                                    | LP_Signal_28     | No        |
| 29                                    | LP_Signal_29     | Yes       |
| 30                                    | LP_Signal_30     | Yes       |
| Detection Rate: 90 %                  |                  |           |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_01  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5254MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 5M            | 96.5u              | -                           | -                           | 857.4m                |
| 2                               | 2                   | 5M            | 53.0u              | 1.173m                      | -                           | 643.5m                |
| 3                               | 1                   | 5M            | 84.3u              | -                           | -                           | 871.6m                |
| 4                               | 3                   | 5M            | 99.1u              | 1.140m                      | 1.778m                      | 521.9m                |
| 5                               | 3                   | 5M            | 67.5u              | 1.487m                      | 1.636m                      | 314.7m                |
| 6                               | 2                   | 5M            | 60.2u              | 1.210m                      | -                           | 877.7m                |
| 7                               | 1                   | 5M            | 98.6u              | -                           | -                           | 340.6m                |
| 8                               | 3                   | 5M            | 90.3u              | 1.747m                      | 1.331m                      | 243.1m                |
| 9                               | 2                   | 5M            | 52.8u              | 1.060m                      | -                           | 767.7m                |
| 10                              | 2                   | 5M            | 76.4u              | 1.115m                      | -                           | 481.2m                |
| 11                              | 3                   | 5M            | 98.3u              | 1.759m                      | 1.414m                      | 449.9m                |
| 12                              | 1                   | 5M            | 66.6u              | -                           | -                           | 887.3m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_02  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5254MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 5M            | 53.6u              | -                           | -                           | 504.6m                |
| 2                               | 3                   | 5M            | 97.1u              | 1.798m                      | 1.565m                      | 441.5m                |
| 3                               | 3                   | 5M            | 53.5u              | 1.548m                      | 1.068m                      | 291.7m                |
| 4                               | 2                   | 5M            | 52.2u              | 1.395m                      | -                           | 212.8m                |
| 5                               | 2                   | 5M            | 95.3u              | 1.226m                      | -                           | 96.33m                |
| 6                               | 2                   | 5M            | 92.6u              | 1.470m                      | -                           | 303.7m                |
| 7                               | 1                   | 5M            | 82.6u              | -                           | -                           | 516.6m                |
| 8                               | 1                   | 5M            | 53.5u              | -                           | -                           | 141.6m                |
| 9                               | 2                   | 5M            | 57.4u              | 999.6u                      | -                           | 95.05m                |
| 10                              | 2                   | 5M            | 96.4u              | 1.888m                      | -                           | 567.5m                |
| 11                              | 2                   | 5M            | 66.0u              | 1.443m                      | -                           | 271.3m                |
| 12                              | 1                   | 5M            | 98.5u              | -                           | -                           | 442.6m                |
| 13                              | 2                   | 5M            | 68.3u              | 1.114m                      | -                           | 512.5m                |
| 14                              | 2                   | 5M            | 85.3u              | 1.613m                      | -                           | 105.4m                |
| 15                              | 3                   | 5M            | 99.4u              | 1.752m                      | 1.843m                      | 647.8m                |
| 16                              | 2                   | 5M            | 97.8u              | 1.644m                      | -                           | 259.0m                |
| 17                              | 1                   | 5M            | 77.1u              | -                           | -                           | 649.5m                |
| 18                              | 1                   | 5M            | 58.2u              | -                           | -                           | 539.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_03  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 14   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5254MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 7M            | 62.7u              | 1.678m                      | 1.717m                      | 280.1m                |
| 2                               | 2                   | 7M            | 77.5u              | 1.567m                      | -                           | 308.4m                |
| 3                               | 1                   | 7M            | 98.3u              | -                           | -                           | 380.5m                |
| 4                               | 2                   | 7M            | 85.2u              | 1.831m                      | -                           | 205.0m                |
| 5                               | 3                   | 7M            | 91.8u              | 1.520m                      | 947.2u                      | 688.8m                |
| 6                               | 1                   | 7M            | 91.4u              | -                           | -                           | 69.25m                |
| 7                               | 2                   | 7M            | 76.1u              | 1.384m                      | -                           | 699.5m                |
| 8                               | 2                   | 7M            | 68.2u              | 1.336m                      | -                           | 142.5m                |
| 9                               | 1                   | 7M            | 87.0u              | -                           | -                           | 439.3m                |
| 10                              | 2                   | 7M            | 85.3u              | 1.230m                      | -                           | 171.5m                |
| 11                              | 2                   | 7M            | 75.6u              | 1.213m                      | -                           | 309.9m                |
| 12                              | 3                   | 7M            | 82.8u              | 1.743m                      | 1.125m                      | 450.3m                |
| 13                              | 2                   | 7M            | 74.3u              | 1.667m                      | -                           | 190.8m                |
| 14                              | 1                   | 7M            | 77.4u              | -                           | -                           | 385.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_04  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5254MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 7M            | 88.9u              | -                           | -                           | 400.9m                |
| 2                               | 2                   | 7M            | 87.7u              | 1.749m                      | -                           | 609.2m                |
| 3                               | 2                   | 7M            | 50.6u              | 1.085m                      | -                           | 105.0m                |
| 4                               | 3                   | 7M            | 91.1u              | 1.614m                      | 1.318m                      | 577.2m                |
| 5                               | 2                   | 7M            | 74.9u              | 973.1u                      | -                           | 357.6m                |
| 6                               | 3                   | 7M            | 73.2u              | 1.725m                      | 1.906m                      | 367.0m                |
| 7                               | 3                   | 7M            | 80.3u              | 945.7u                      | 1.860m                      | 150.4m                |
| 8                               | 2                   | 7M            | 95.3u              | 1.286m                      | -                           | 625.2m                |
| 9                               | 2                   | 7M            | 84.7u              | 1.685m                      | -                           | 954.0u                |
| 10                              | 2                   | 7M            | 59.4u              | 1.472m                      | -                           | 547.2m                |
| 11                              | 2                   | 7M            | 86.9u              | 1.657m                      | -                           | 488.3m                |
| 12                              | 2                   | 7M            | 58.6u              | 1.575m                      | -                           | 148.0m                |
| 13                              | 1                   | 7M            | 97.1u              | -                           | -                           | 448.7m                |
| 14                              | 1                   | 7M            | 75.6u              | -                           | -                           | 601.2m                |
| 15                              | 3                   | 7M            | 66.8u              | 1.457m                      | 1.366m                      | 239.7m                |
| 16                              | 2                   | 7M            | 79.2u              | 1.394m                      | -                           | 127.7m                |
| 17                              | 2                   | 7M            | 50.1u              | 1.763m                      | -                           | 55.41m                |
| 18                              | 1                   | 7M            | 73.1u              | -                           | -                           | 132.9m                |
| 19                              | 1                   | 7M            | 51.8u              | -                           | -                           | 601.6m                |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_05  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5257MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 13M           | 98.5u              | 1.185m                      | -                           | 281.2m                |
| 2                               | 2                   | 13M           | 66.9u              | 1.351m                      | -                           | 601.3m                |
| 3                               | 3                   | 13M           | 55.6u              | 1.069m                      | 1.564m                      | 386.6m                |
| 4                               | 1                   | 13M           | 63.9u              | -                           | -                           | 70.85m                |
| 5                               | 2                   | 13M           | 88.1u              | 1.499m                      | -                           | 486.4m                |
| 6                               | 2                   | 13M           | 77.3u              | 1.188m                      | -                           | 445.4m                |
| 7                               | 2                   | 13M           | 51.2u              | 1.501m                      | -                           | 39.21m                |
| 8                               | 2                   | 13M           | 84.1u              | 1.309m                      | -                           | 348.6m                |
| 9                               | 3                   | 13M           | 62.5u              | 1.360m                      | 1.020m                      | 537.1m                |
| 10                              | 2                   | 13M           | 96.3u              | 1.862m                      | -                           | 172.3m                |
| 11                              | 1                   | 13M           | 51.7u              | -                           | -                           | 207.5m                |
| 12                              | 2                   | 13M           | 91.0u              | 1.645m                      | -                           | 337.1m                |
| 13                              | 2                   | 13M           | 56.6u              | 1.739m                      | -                           | 566.0m                |
| 14                              | 3                   | 13M           | 66.1u              | 1.150m                      | 1.775m                      | 563.4m                |
| 15                              | 2                   | 13M           | 84.0u              | 1.515m                      | -                           | 378.1m                |
| 16                              | 1                   | 13M           | 76.1u              | -                           | -                           | 565.0m                |
| 17                              | 2                   | 13M           | 79.4u              | 1.295m                      | -                           | 628.4m                |
| 18                              | 2                   | 13M           | 75.4u              | 1.198m                      | -                           | 128.5m                |
| 19                              | 2                   | 13M           | 61.5u              | 949.5u                      | -                           | 582.9m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_06  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5257MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 13M           | 98.7u              | -                           | -                           | 633.0m                |
| 2                               | 1                   | 13M           | 57.3u              | -                           | -                           | 438.3m                |
| 3                               | 3                   | 13M           | 68.6u              | 1.493m                      | 1.610m                      | 875.1m                |
| 4                               | 2                   | 13M           | 97.5u              | 1.612m                      | -                           | 685.6m                |
| 5                               | 1                   | 13M           | 55.5u              | -                           | -                           | 747.3m                |
| 6                               | 2                   | 13M           | 62.8u              | 967.2u                      | -                           | 788.4m                |
| 7                               | 2                   | 13M           | 80.7u              | 1.417m                      | -                           | 652.7m                |
| 8                               | 1                   | 13M           | 65.9u              | -                           | -                           | 782.6m                |
| 9                               | 3                   | 13M           | 79.9u              | 1.732m                      | 1.557m                      | 410.0m                |
| 10                              | 2                   | 13M           | 76.4u              | 1.761m                      | -                           | 78.51m                |
| 11                              | 1                   | 13M           | 58.1u              | -                           | -                           | 580.4m                |
| 12                              | 2                   | 13M           | 78.0u              | 961.0u                      | -                           | 162.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_07  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 11   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5258MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 16M           | 60.9u              | 1.685m                      | -                           | 1.030                 |
| 2                               | 2                   | 16M           | 86.8u              | 1.363m                      | -                           | 1.069                 |
| 3                               | 2                   | 16M           | 95.4u              | 1.521m                      | -                           | 296.1m                |
| 4                               | 3                   | 16M           | 73.5u              | 1.628m                      | 1.226m                      | 377.5m                |
| 5                               | 2                   | 16M           | 67.5u              | 1.036m                      | -                           | 644.9m                |
| 6                               | 3                   | 16M           | 65.5u              | 1.798m                      | 1.561m                      | 766.1m                |
| 7                               | 3                   | 16M           | 95.9u              | 1.094m                      | 1.242m                      | 537.2m                |
| 8                               | 2                   | 16M           | 96.2u              | 1.578m                      | -                           | 172.3m                |
| 9                               | 2                   | 16M           | 90.4u              | 1.274m                      | -                           | 256.1m                |
| 10                              | 2                   | 16M           | 90.1u              | 1.319m                      | -                           | 842.4m                |
| 11                              | 2                   | 16M           | 59.3u              | 1.600m                      | -                           | 728.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_08  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5258MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 16M           | 53.9u              | -                           | -                           | 653.0m                |
| 2                               | 3                   | 16M           | 87.4u              | 1.140m                      | 1.207m                      | 109.0m                |
| 3                               | 2                   | 16M           | 56.0u              | 1.104m                      | -                           | 462.3m                |
| 4                               | 2                   | 16M           | 62.5u              | 1.625m                      | -                           | 704.3m                |
| 5                               | 2                   | 16M           | 66.7u              | 1.202m                      | -                           | 296.4m                |
| 6                               | 2                   | 16M           | 65.6u              | 1.571m                      | -                           | 169.5m                |
| 7                               | 2                   | 16M           | 65.2u              | 1.889m                      | -                           | 703.7m                |
| 8                               | 1                   | 16M           | 67.4u              | -                           | -                           | 78.58m                |
| 9                               | 3                   | 16M           | 70.1u              | 1.820m                      | 1.460m                      | 419.9m                |
| 10                              | 2                   | 16M           | 62.3u              | 1.636m                      | -                           | 7.821m                |
| 11                              | 3                   | 16M           | 79.8u              | 1.442m                      | 1.551m                      | 384.2m                |
| 12                              | 1                   | 16M           | 81.4u              | -                           | -                           | 378.9m                |
| 13                              | 2                   | 16M           | 75.0u              | 1.336m                      | -                           | 742.0m                |
| 14                              | 2                   | 16M           | 74.3u              | 1.487m                      | -                           | 726.4m                |
| 15                              | 3                   | 16M           | 88.8u              | 1.772m                      | 1.153m                      | 168.4m                |
| 16                              | 3                   | 16M           | 67.7u              | 1.248m                      | 1.211m                      | 647.3m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_09  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5260MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 80.2u              | 1.739m                      | -                           | 720.6m                |
| 2                               | 3                   | 20M           | 50.1u              | 1.816m                      | 1.933m                      | 558.9m                |
| 3                               | 1                   | 20M           | 96.2u              | -                           | -                           | 211.8m                |
| 4                               | 3                   | 20M           | 72.6u              | 1.275m                      | 1.410m                      | 628.1m                |
| 5                               | 2                   | 20M           | 92.6u              | 1.262m                      | -                           | 295.1m                |
| 6                               | 2                   | 20M           | 70.1u              | 1.814m                      | -                           | 404.0m                |
| 7                               | 2                   | 20M           | 96.2u              | 1.463m                      | -                           | 89.45m                |
| 8                               | 2                   | 20M           | 78.6u              | 1.436m                      | -                           | 275.4m                |
| 9                               | 2                   | 20M           | 85.9u              | 1.077m                      | -                           | 726.5m                |
| 10                              | 3                   | 20M           | 86.3u              | 1.689m                      | 1.395m                      | 279.8m                |
| 11                              | 1                   | 20M           | 88.0u              | -                           | -                           | 142.6m                |
| 12                              | 3                   | 20M           | 58.3u              | 1.051m                      | 995.7u                      | 248.6m                |
| 13                              | 2                   | 20M           | 95.3u              | 1.642m                      | -                           | 392.4m                |
| 14                              | 3                   | 20M           | 93.1u              | 1.100m                      | 1.481m                      | 639.1m                |
| 15                              | 1                   | 20M           | 96.7u              | -                           | -                           | 614.9m                |
| 16                              | 2                   | 20M           | 67.1u              | 1.370m                      | -                           | 471.2m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_10  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5260MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 98.6u              | 1.198m                      | -                           | 344.9m                |
| 2                               | 2                   | 20M           | 57.6u              | 961.4u                      | -                           | 641.7m                |
| 3                               | 1                   | 20M           | 56.4u              | -                           | -                           | 308.8m                |
| 4                               | 1                   | 20M           | 81.4u              | -                           | -                           | 180.2m                |
| 5                               | 1                   | 20M           | 61.8u              | -                           | -                           | 297.7m                |
| 6                               | 2                   | 20M           | 90.4u              | 1.563m                      | -                           | 282.9m                |
| 7                               | 3                   | 20M           | 68.8u              | 1.515m                      | 1.370m                      | 37.46m                |
| 8                               | 1                   | 20M           | 73.9u              | -                           | -                           | 475.8m                |
| 9                               | 2                   | 20M           | 68.4u              | 1.684m                      | -                           | 117.5m                |
| 10                              | 3                   | 20M           | 95.4u              | 1.490m                      | 1.735m                      | 155.9m                |
| 11                              | 1                   | 20M           | 70.9u              | -                           | -                           | 253.8m                |
| 12                              | 1                   | 20M           | 94.7u              | -                           | -                           | 356.0m                |
| 13                              | 3                   | 20M           | 76.9u              | 1.750m                      | 1.203m                      | 56.37m                |
| 14                              | 3                   | 20M           | 80.6u              | 1.024m                      | 1.881m                      | 588.3m                |
| 15                              | 2                   | 20M           | 87.2u              | 1.015m                      | -                           | 223.6m                |
| 16                              | 2                   | 20M           | 85.9u              | 1.898m                      | -                           | 380.5m                |
| 17                              | 1                   | 20M           | 62.9u              | -                           | -                           | 127.1m                |
| 18                              | 2                   | 20M           | 96.3u              | 1.532m                      | -                           | 541.3m                |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_11  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 13   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5290MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 2                | 5M         | 64.2u           | 1.510m                   | -                        | 171.7m             |
| 2                               | 2                | 5M         | 85.7u           | 1.457m                   | -                        | 23.95m             |
| 3                               | 3                | 5M         | 93.8u           | 1.348m                   | 1.769m                   | 685.0m             |
| 4                               | 3                | 5M         | 85.1u           | 1.065m                   | 1.624m                   | 112.8m             |
| 5                               | 1                | 5M         | 84.7u           | -                        | -                        | 797.2m             |
| 6                               | 2                | 5M         | 80.4u           | 1.702m                   | -                        | 14.43m             |
| 7                               | 1                | 5M         | 98.4u           | -                        | -                        | 314.4m             |
| 8                               | 2                | 5M         | 71.1u           | 1.369m                   | -                        | 529.1m             |
| 9                               | 1                | 5M         | 98.6u           | -                        | -                        | 667.9m             |
| 10                              | 2                | 5M         | 91.7u           | 1.176m                   | -                        | 571.6m             |
| 11                              | 2                | 5M         | 69.1u           | 1.770m                   | -                        | 615.7m             |
| 12                              | 2                | 5M         | 90.9u           | 1.511m                   | -                        | 676.8m             |
| 13                              | 2                | 5M         | 89.6u           | 1.199m                   | -                        | 683.8m             |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_12  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 12   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5290MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 1                | 5M         | 96.5u           | -                        | -                        | 857.4m             |
| 2                               | 2                | 5M         | 53.0u           | 1.173m                   | -                        | 643.5m             |
| 3                               | 1                | 5M         | 84.3u           | -                        | -                        | 871.6m             |
| 4                               | 3                | 5M         | 99.1u           | 1.140m                   | 1.778m                   | 521.9m             |
| 5                               | 3                | 5M         | 67.5u           | 1.487m                   | 1.636m                   | 314.7m             |
| 6                               | 2                | 5M         | 60.2u           | 1.210m                   | -                        | 877.7m             |
| 7                               | 1                | 5M         | 98.6u           | -                        | -                        | 340.6m             |
| 8                               | 3                | 5M         | 90.3u           | 1.747m                   | 1.331m                   | 243.1m             |
| 9                               | 2                | 5M         | 52.8u           | 1.060m                   | -                        | 767.7m             |
| 10                              | 2                | 5M         | 76.4u           | 1.115m                   | -                        | 481.2m             |
| 11                              | 3                | 5M         | 98.3u           | 1.759m                   | 1.414m                   | 449.9m             |
| 12                              | 1                | 5M         | 66.6u           | -                        | -                        | 887.3m             |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_13  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5290MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 9M            | 83.6u              | 1.774m                      | -                           | 467.4m                |
| 2                               | 2                   | 9M            | 97.1u              | 1.796m                      | -                           | 328.2m                |
| 3                               | 1                   | 9M            | 84.9u              | -                           | -                           | 712.5m                |
| 4                               | 1                   | 9M            | 85.6u              | -                           | -                           | 456.6m                |
| 5                               | 2                   | 9M            | 97.8u              | 917.2u                      | -                           | 642.0m                |
| 6                               | 2                   | 9M            | 95.4u              | 1.079m                      | -                           | 800.8m                |
| 7                               | 1                   | 9M            | 71.2u              | -                           | -                           | 898.6m                |
| 8                               | 3                   | 9M            | 82.0u              | 1.666m                      | 1.468m                      | 784.5m                |
| 9                               | 3                   | 9M            | 86.6u              | 1.322m                      | 1.519m                      | 535.5m                |
| 10                              | 1                   | 9M            | 71.4u              | -                           | -                           | 43.23m                |
| 11                              | 2                   | 9M            | 62.2u              | 1.268m                      | -                           | 268.5m                |
| 12                              | 2                   | 9M            | 96.1u              | 1.888m                      | -                           | 253.4m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_14  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5290MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 9M            | 92.6u              | -                           | -                           | 574.7m                |
| 2                               | 3                   | 9M            | 67.9u              | 1.272m                      | 1.316m                      | 302.6m                |
| 3                               | 1                   | 9M            | 85.3u              | -                           | -                           | 195.7m                |
| 4                               | 2                   | 9M            | 87.8u              | 1.863m                      | -                           | 517.8m                |
| 5                               | 2                   | 9M            | 73.7u              | 1.364m                      | -                           | 350.7m                |
| 6                               | 1                   | 9M            | 55.8u              | -                           | -                           | 569.5m                |
| 7                               | 3                   | 9M            | 99.1u              | 936.9u                      | 1.756m                      | 652.9m                |
| 8                               | 2                   | 9M            | 94.5u              | 1.889m                      | -                           | 175.3m                |
| 9                               | 2                   | 9M            | 69.1u              | 1.741m                      | -                           | 186.8m                |
| 10                              | 2                   | 9M            | 60.2u              | 1.826m                      | -                           | 144.5m                |
| 11                              | 2                   | 9M            | 90.0u              | 1.419m                      | -                           | 500.0m                |
| 12                              | 2                   | 9M            | 98.3u              | 1.336m                      | -                           | 157.3m                |
| 13                              | 2                   | 9M            | 94.4u              | 1.660m                      | -                           | 479.9m                |
| 14                              | 3                   | 9M            | 91.0u              | 1.788m                      | 1.474m                      | 137.2m                |
| 15                              | 1                   | 9M            | 74.3u              | -                           | -                           | 351.9m                |
| 16                              | 2                   | 9M            | 55.0u              | 1.665m                      | -                           | 89.03m                |
| 17                              | 3                   | 9M            | 85.5u              | 981.5u                      | 1.182m                      | 444.9m                |
| 18                              | 2                   | 9M            | 86.1u              | 1.623m                      | -                           | 259.0m                |



| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_15  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 8    |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5290MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 2                | 14M        | 100.0u          | 1.316m                   | -                        | 574.2m             |
| 2                               | 2                | 14M        | 67.5u           | 1.529m                   | -                        | 280.0m             |
| 3                               | 3                | 14M        | 52.4u           | 1.833m                   | 955.6u                   | 312.3m             |
| 4                               | 3                | 14M        | 74.3u           | 1.451m                   | 1.391m                   | 1.205              |
| 5                               | 2                | 14M        | 82.0u           | 1.489m                   | -                        | 1.470              |
| 6                               | 2                | 14M        | 65.4u           | 1.871m                   | -                        | 1.159              |
| 7                               | 2                | 14M        | 56.9u           | 1.758m                   | -                        | 300.0m             |
| 8                               | 1                | 14M        | 67.1u           | -                        | -                        | 431.5m             |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_16  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 9    |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5290MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 2                | 14M        | 89.0u           | 1.663m                   | -                        | 435.6m             |
| 2                               | 1                | 14M        | 50.5u           | -                        | -                        | 582.4m             |
| 3                               | 2                | 14M        | 58.5u           | 1.078m                   | -                        | 681.0m             |
| 4                               | 3                | 14M        | 59.6u           | 1.582m                   | 1.397m                   | 730.4m             |
| 5                               | 2                | 14M        | 92.9u           | 1.695m                   | -                        | 227.2m             |
| 6                               | 2                | 14M        | 69.6u           | 1.367m                   | -                        | 963.5m             |
| 7                               | 2                | 14M        | 65.4u           | 1.684m                   | -                        | 1.200              |
| 8                               | 2                | 14M        | 95.7u           | 1.419m                   | -                        | 601.2m             |
| 9                               | 2                | 14M        | 88.7u           | 1.095m                   | -                        | 712.2m             |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_17  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5290MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 16M           | 95.3u              | -                           | -                           | 108.6m                |
| 2                               | 2                   | 16M           | 53.1u              | 1.606m                      | -                           | 65.83m                |
| 3                               | 3                   | 16M           | 96.8u              | 1.488m                      | 1.352m                      | 2.636m                |
| 4                               | 2                   | 16M           | 67.5u              | 1.301m                      | -                           | 327.5m                |
| 5                               | 3                   | 16M           | 55.6u              | 1.122m                      | 1.431m                      | 138.8m                |
| 6                               | 1                   | 16M           | 50.8u              | -                           | -                           | 12.03m                |
| 7                               | 2                   | 16M           | 53.4u              | 1.503m                      | -                           | 456.4m                |
| 8                               | 3                   | 16M           | 54.8u              | 1.412m                      | 1.710m                      | 520.5m                |
| 9                               | 3                   | 16M           | 53.7u              | 1.685m                      | 1.762m                      | 465.8m                |
| 10                              | 2                   | 16M           | 60.3u              | 1.837m                      | -                           | 679.9m                |
| 11                              | 2                   | 16M           | 91.2u              | 1.027m                      | -                           | 500.3m                |
| 12                              | 2                   | 16M           | 95.7u              | 1.804m                      | -                           | 154.5m                |
| 13                              | 2                   | 16M           | 70.0u              | 1.808m                      | -                           | 89.20m                |
| 14                              | 2                   | 16M           | 72.9u              | 1.045m                      | -                           | 617.0m                |
| 15                              | 2                   | 16M           | 94.5u              | 1.540m                      | -                           | 399.1m                |
| 16                              | 3                   | 16M           | 67.8u              | 1.932m                      | 1.398m                      | 689.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_18  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5290MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 16M           | 81.9u              | 1.713m                      | 1.130m                      | 406.8m                |
| 2                               | 3                   | 16M           | 94.1u              | 1.182m                      | 1.311m                      | 673.2m                |
| 3                               | 3                   | 16M           | 88.8u              | 1.272m                      | 1.897m                      | 962.9m                |
| 4                               | 2                   | 16M           | 85.5u              | 1.256m                      | -                           | 689.2m                |
| 5                               | 3                   | 16M           | 91.6u              | 1.325m                      | 1.053m                      | 396.5m                |
| 6                               | 3                   | 16M           | 58.7u              | 1.613m                      | 1.768m                      | 692.7m                |
| 7                               | 2                   | 16M           | 89.9u              | 1.182m                      | -                           | 988.1m                |
| 8                               | 3                   | 16M           | 74.7u              | 1.139m                      | 1.384m                      | 783.9m                |
| 9                               | 2                   | 16M           | 74.8u              | 1.849m                      | -                           | 722.0m                |
| 10                              | 2                   | 16M           | 55.6u              | 967.4u                      | -                           | 325.4m                |
| 11                              | 2                   | 16M           | 74.6u              | 1.876m                      | -                           | 549.7m                |
| 12                              | 3                   | 16M           | 97.6u              | 1.660m                      | 1.245m                      | 109.6m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_19  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5290MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 78.6u              | 1.551m                      | -                           | 833.2m                |
| 2                               | 2                   | 20M           | 51.6u              | 990.4u                      | -                           | 825.2m                |
| 3                               | 2                   | 20M           | 86.8u              | 1.097m                      | -                           | 809.6m                |
| 4                               | 1                   | 20M           | 60.5u              | -                           | -                           | 792.9m                |
| 5                               | 2                   | 20M           | 54.9u              | 1.783m                      | -                           | 491.4m                |
| 6                               | 2                   | 20M           | 75.7u              | 1.245m                      | -                           | 717.7m                |
| 7                               | 2                   | 20M           | 55.0u              | 1.513m                      | -                           | 1.155                 |
| 8                               | 2                   | 20M           | 79.2u              | 955.8u                      | -                           | 118.6m                |
| 9                               | 1                   | 20M           | 56.4u              | -                           | -                           | 881.1m                |
| 10                              | 1                   | 20M           | 97.7u              | -                           | -                           | 978.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_20  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5290MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 98.1u              | 1.220m                      | -                           | 507.2m                |
| 2                               | 2                   | 20M           | 73.5u              | 1.910m                      | -                           | 227.2m                |
| 3                               | 2                   | 20M           | 98.2u              | 1.506m                      | -                           | 631.2m                |
| 4                               | 3                   | 20M           | 97.9u              | 1.595m                      | 1.851m                      | 164.0m                |
| 5                               | 1                   | 20M           | 92.9u              | -                           | -                           | 45.06m                |
| 6                               | 2                   | 20M           | 76.6u              | 1.260m                      | -                           | 601.8m                |
| 7                               | 2                   | 20M           | 68.1u              | 1.217m                      | -                           | 342.9m                |
| 8                               | 1                   | 20M           | 53.3u              | -                           | -                           | 86.38m                |
| 9                               | 2                   | 20M           | 58.0u              | 978.0u                      | -                           | 75.50m                |
| 10                              | 1                   | 20M           | 66.6u              | -                           | -                           | 328.5m                |
| 11                              | 3                   | 20M           | 69.0u              | 1.388m                      | 1.330m                      | 707.6m                |
| 12                              | 2                   | 20M           | 68.3u              | 1.450m                      | -                           | 328.0m                |
| 13                              | 3                   | 20M           | 99.1u              | 1.752m                      | 1.303m                      | 426.0m                |
| 14                              | 1                   | 20M           | 94.8u              | -                           | -                           | 632.9m                |
| 15                              | 1                   | 20M           | 99.7u              | -                           | -                           | 169.8m                |
| 16                              | 1                   | 20M           | 51.5u              | -                           | -                           | 455.1m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_21  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 13   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5326MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 5M            | 64.2u              | 1.510m                      | -                           | 171.7m                |
| 2                               | 2                   | 5M            | 85.7u              | 1.457m                      | -                           | 23.95m                |
| 3                               | 3                   | 5M            | 93.8u              | 1.348m                      | 1.769m                      | 685.0m                |
| 4                               | 3                   | 5M            | 85.1u              | 1.065m                      | 1.624m                      | 112.8m                |
| 5                               | 1                   | 5M            | 84.7u              | -                           | -                           | 797.2m                |
| 6                               | 2                   | 5M            | 80.4u              | 1.702m                      | -                           | 14.43m                |
| 7                               | 1                   | 5M            | 98.4u              | -                           | -                           | 314.4m                |
| 8                               | 2                   | 5M            | 71.1u              | 1.369m                      | -                           | 529.1m                |
| 9                               | 1                   | 5M            | 98.6u              | -                           | -                           | 667.9m                |
| 10                              | 2                   | 5M            | 91.7u              | 1.176m                      | -                           | 571.6m                |
| 11                              | 2                   | 5M            | 69.1u              | 1.770m                      | -                           | 615.7m                |
| 12                              | 2                   | 5M            | 90.9u              | 1.511m                      | -                           | 676.8m                |
| 13                              | 2                   | 5M            | 89.6u              | 1.199m                      | -                           | 683.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_22  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5326MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 5M            | 59.2u              | -                           | -                           | 243.0m                |
| 2                               | 2                   | 5M            | 94.5u              | 1.834m                      | -                           | 299.3m                |
| 3                               | 2                   | 5M            | 95.4u              | 1.641m                      | -                           | 566.0m                |
| 4                               | 3                   | 5M            | 59.5u              | 1.313m                      | 1.332m                      | 354.8m                |
| 5                               | 2                   | 5M            | 62.1u              | 1.158m                      | -                           | 618.4m                |
| 6                               | 3                   | 5M            | 73.9u              | 1.671m                      | 1.534m                      | 629.7m                |
| 7                               | 2                   | 5M            | 50.4u              | 1.155m                      | -                           | 384.7m                |
| 8                               | 3                   | 5M            | 62.7u              | 1.675m                      | 1.571m                      | 94.54m                |
| 9                               | 1                   | 5M            | 52.4u              | -                           | -                           | 45.93m                |
| 10                              | 3                   | 5M            | 55.9u              | 1.743m                      | 1.537m                      | 37.45m                |
| 11                              | 2                   | 5M            | 62.1u              | 1.725m                      | -                           | 173.9m                |
| 12                              | 3                   | 5M            | 65.1u              | 1.567m                      | 1.369m                      | 549.6m                |
| 13                              | 3                   | 5M            | 80.3u              | 1.548m                      | 1.117m                      | 530.8m                |
| 14                              | 2                   | 5M            | 85.5u              | 1.063m                      | -                           | 265.8m                |
| 15                              | 3                   | 5M            | 54.7u              | 1.134m                      | 1.657m                      | 49.43m                |
| 16                              | 2                   | 5M            | 85.8u              | 1.450m                      | -                           | 382.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_23  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5324MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 10M           | 95.2u              | 1.690m                      | -                           | 993.9m                |
| 2                               | 2                   | 10M           | 82.3u              | 1.520m                      | -                           | 555.8m                |
| 3                               | 3                   | 10M           | 95.0u              | 1.392m                      | 1.015m                      | 566.4m                |
| 4                               | 1                   | 10M           | 52.8u              | -                           | -                           | 362.2m                |
| 5                               | 1                   | 10M           | 53.1u              | -                           | -                           | 102.8m                |
| 6                               | 2                   | 10M           | 96.4u              | 1.454m                      | -                           | 714.3m                |
| 7                               | 2                   | 10M           | 56.0u              | 1.235m                      | -                           | 252.4m                |
| 8                               | 2                   | 10M           | 64.8u              | 1.410m                      | -                           | 466.8m                |
| 9                               | 2                   | 10M           | 51.9u              | 1.473m                      | -                           | 878.3m                |
| 10                              | 1                   | 10M           | 81.5u              | -                           | -                           | 856.4m                |
| 11                              | 2                   | 10M           | 97.8u              | 1.480m                      | -                           | 699.6m                |
| 12                              | 3                   | 10M           | 61.7u              | 1.069m                      | 1.910m                      | 663.4m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_24  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 9    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5324MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 10M           | 80.2u              | 1.716m                      | 1.208m                      | 458.3m                |
| 2                               | 2                   | 10M           | 99.0u              | 1.877m                      | -                           | 80.24m                |
| 3                               | 1                   | 10M           | 70.5u              | -                           | -                           | 705.0m                |
| 4                               | 1                   | 10M           | 88.3u              | -                           | -                           | 69.65m                |
| 5                               | 2                   | 10M           | 56.4u              | 1.516m                      | -                           | 922.0m                |
| 6                               | 1                   | 10M           | 100.0u             | -                           | -                           | 179.3m                |
| 7                               | 2                   | 10M           | 58.2u              | 994.8u                      | -                           | 1.187                 |
| 8                               | 1                   | 10M           | 98.0u              | -                           | -                           | 223.9m                |
| 9                               | 1                   | 10M           | 92.7u              | -                           | -                           | 927.1m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_25  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 9    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5323MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 13M           | 81.8u              | 959.2u                      | -                           | 874.4m                |
| 2                               | 1                   | 13M           | 80.9u              | -                           | -                           | 1.030                 |
| 3                               | 3                   | 13M           | 56.3u              | 999.7u                      | 1.916m                      | 930.7m                |
| 4                               | 2                   | 13M           | 63.6u              | 1.070m                      | -                           | 903.9m                |
| 5                               | 2                   | 13M           | 65.0u              | 1.382m                      | -                           | 89.36m                |
| 6                               | 3                   | 13M           | 83.5u              | 1.311m                      | 979.5u                      | 725.0m                |
| 7                               | 3                   | 13M           | 83.8u              | 918.2u                      | 1.113m                      | 1.114                 |
| 8                               | 2                   | 13M           | 51.9u              | 1.314m                      | -                           | 1.096                 |
| 9                               | 2                   | 13M           | 72.3u              | 1.174m                      | -                           | 658.1m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_26  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5323MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 13M           | 98.7u              | -                           | -                           | 633.0m                |
| 2                               | 1                   | 13M           | 57.3u              | -                           | -                           | 438.3m                |
| 3                               | 3                   | 13M           | 68.6u              | 1.493m                      | 1.610m                      | 875.1m                |
| 4                               | 2                   | 13M           | 97.5u              | 1.612m                      | -                           | 685.6m                |
| 5                               | 1                   | 13M           | 55.5u              | -                           | -                           | 747.3m                |
| 6                               | 2                   | 13M           | 62.8u              | 967.2u                      | -                           | 788.4m                |
| 7                               | 2                   | 13M           | 80.7u              | 1.417m                      | -                           | 652.7m                |
| 8                               | 1                   | 13M           | 65.9u              | -                           | -                           | 782.6m                |
| 9                               | 3                   | 13M           | 79.9u              | 1.732m                      | 1.557m                      | 410.0m                |
| 10                              | 2                   | 13M           | 76.4u              | 1.761m                      | -                           | 78.51m                |
| 11                              | 1                   | 13M           | 58.1u              | -                           | -                           | 580.4m                |
| 12                              | 2                   | 13M           | 78.0u              | 961.0u                      | -                           | 162.0m                |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_27  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5322MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 16M           | 57.4u              | 1.310m                      | 1.063m                      | 263.4m                |
| 2                               | 3                   | 16M           | 53.6u              | 1.063m                      | 1.123m                      | 239.3m                |
| 3                               | 3                   | 16M           | 82.4u              | 1.425m                      | 1.371m                      | 434.0m                |
| 4                               | 2                   | 16M           | 83.1u              | 1.514m                      | -                           | 308.5m                |
| 5                               | 3                   | 16M           | 89.8u              | 1.210m                      | 1.455m                      | 259.5m                |
| 6                               | 2                   | 16M           | 95.6u              | 1.397m                      | -                           | 66.09m                |
| 7                               | 2                   | 16M           | 70.5u              | 1.045m                      | -                           | 558.6m                |
| 8                               | 2                   | 16M           | 89.0u              | 1.309m                      | -                           | 92.83m                |
| 9                               | 1                   | 16M           | 83.7u              | -                           | -                           | 524.2m                |
| 10                              | 3                   | 16M           | 93.5u              | 1.004m                      | 1.611m                      | 438.4m                |
| 11                              | 2                   | 16M           | 54.3u              | 1.632m                      | -                           | 338.8m                |
| 12                              | 1                   | 16M           | 72.4u              | -                           | -                           | 84.23m                |
| 13                              | 3                   | 16M           | 72.1u              | 1.064m                      | 1.337m                      | 270.5m                |
| 14                              | 2                   | 16M           | 77.9u              | 1.844m                      | -                           | 230.5m                |
| 15                              | 2                   | 16M           | 89.1u              | 1.282m                      | -                           | 173.5m                |
| 16                              | 2                   | 16M           | 70.0u              | 1.089m                      | -                           | 189.6m                |
| 17                              | 3                   | 16M           | 87.1u              | 1.138m                      | 1.322m                      | 348.7m                |
| 18                              | 1                   | 16M           | 56.9u              | -                           | -                           | 486.2m                |
| 19                              | 3                   | 16M           | 79.4u              | 1.267m                      | 1.580m                      | 285.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_28  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5322MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 16M           | 81.9u              | 1.713m                      | 1.130m                      | 406.8m                |
| 2                               | 3                   | 16M           | 94.1u              | 1.182m                      | 1.311m                      | 673.2m                |
| 3                               | 3                   | 16M           | 88.8u              | 1.272m                      | 1.897m                      | 962.9m                |
| 4                               | 2                   | 16M           | 85.5u              | 1.256m                      | -                           | 689.2m                |
| 5                               | 3                   | 16M           | 91.6u              | 1.325m                      | 1.053m                      | 396.5m                |
| 6                               | 3                   | 16M           | 58.7u              | 1.613m                      | 1.768m                      | 692.7m                |
| 7                               | 2                   | 16M           | 89.9u              | 1.182m                      | -                           | 988.1m                |
| 8                               | 3                   | 16M           | 74.7u              | 1.139m                      | 1.384m                      | 783.9m                |
| 9                               | 2                   | 16M           | 74.8u              | 1.849m                      | -                           | 722.0m                |
| 10                              | 2                   | 16M           | 55.6u              | 967.4u                      | -                           | 325.4m                |
| 11                              | 2                   | 16M           | 74.6u              | 1.876m                      | -                           | 549.7m                |
| 12                              | 3                   | 16M           | 97.6u              | 1.660m                      | 1.245m                      | 109.6m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_29  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5320MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 78.6u              | 1.551m                      | -                           | 833.2m                |
| 2                               | 2                   | 20M           | 51.6u              | 990.4u                      | -                           | 825.2m                |
| 3                               | 2                   | 20M           | 86.8u              | 1.097m                      | -                           | 809.6m                |
| 4                               | 1                   | 20M           | 60.5u              | -                           | -                           | 792.9m                |
| 5                               | 2                   | 20M           | 54.9u              | 1.783m                      | -                           | 491.4m                |
| 6                               | 2                   | 20M           | 75.7u              | 1.245m                      | -                           | 717.7m                |
| 7                               | 2                   | 20M           | 55.0u              | 1.513m                      | -                           | 1.155                 |
| 8                               | 2                   | 20M           | 79.2u              | 955.8u                      | -                           | 118.6m                |
| 9                               | 1                   | 20M           | 56.4u              | -                           | -                           | 881.1m                |
| 10                              | 1                   | 20M           | 97.7u              | -                           | -                           | 978.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_30  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5320MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 98.1u              | 1.220m                      | -                           | 507.2m                |
| 2                               | 2                   | 20M           | 73.5u              | 1.910m                      | -                           | 227.2m                |
| 3                               | 2                   | 20M           | 98.2u              | 1.506m                      | -                           | 631.2m                |
| 4                               | 3                   | 20M           | 97.9u              | 1.595m                      | 1.851m                      | 164.0m                |
| 5                               | 1                   | 20M           | 92.9u              | -                           | -                           | 45.06m                |
| 6                               | 2                   | 20M           | 76.6u              | 1.260m                      | -                           | 601.8m                |
| 7                               | 2                   | 20M           | 68.1u              | 1.217m                      | -                           | 342.9m                |
| 8                               | 1                   | 20M           | 53.3u              | -                           | -                           | 86.38m                |
| 9                               | 2                   | 20M           | 58.0u              | 978.0u                      | -                           | 75.50m                |
| 10                              | 1                   | 20M           | 66.6u              | -                           | -                           | 328.5m                |
| 11                              | 3                   | 20M           | 69.0u              | 1.388m                      | 1.330m                      | 707.6m                |
| 12                              | 2                   | 20M           | 68.3u              | 1.450m                      | -                           | 328.0m                |
| 13                              | 3                   | 20M           | 99.1u              | 1.752m                      | 1.303m                      | 426.0m                |
| 14                              | 1                   | 20M           | 94.8u              | -                           | -                           | 632.9m                |
| 15                              | 1                   | 20M           | 99.7u              | -                           | -                           | 169.8m                |
| 16                              | 1                   | 20M           | 51.5u              | -                           | -                           | 455.1m                |

| Type 6 Radar Statistical Performances |                  |                 |         |           |
|---------------------------------------|------------------|-----------------|---------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Detection |
| 1                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 2                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 3                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 4                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 5                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 6                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 7                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 8                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 9                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 10                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 11                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 12                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 13                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 14                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 15                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 16                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 17                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 18                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 19                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 20                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 21                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 22                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 23                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 24                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 25                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 26                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 27                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 28                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 29                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 30                                    | 9                | 1.0u            | 333.0u  | Yes       |
| Detection Rate: 100.0 %               |                  |                 |         |           |

| Type 6 Radar Statistical Performances |                                 |                         |
|---------------------------------------|---------------------------------|-------------------------|
| Trial #                               | Hopping Frequency Sequence Name | Detection               |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes                     |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes                     |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes                     |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes                     |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes                     |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes                     |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes                     |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes                     |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes                     |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes                     |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes                     |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes                     |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes                     |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes                     |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes                     |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes                     |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes                     |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes                     |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes                     |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes                     |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes                     |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes                     |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes                     |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes                     |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes                     |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes                     |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes                     |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes                     |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes                     |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes                     |
|                                       |                                 | Detection Rate: 100.0 % |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.540G            | 2    | 5.513G            | 3    | 5.526G            | 4    | 5.574G            |
| 5                                                | 5.501G            | 6    | 5.717G            | 7    | 5.590G            | 8    | 5.373G            |
| 9                                                | 5.338G            | 10   | 5.534G            | 11   | 5.388G            | 12   | 5.493G            |
| 13                                               | 5.447G            | 14   | 5.554G            | 15   | 5.593G            | 16   | 5.566G            |
| 17                                               | 5.688G            | 18   | 5.715G            | 19   | 5.350G            | 20   | 5.713G            |
| 21                                               | 5.404G            | 22   | 5.374G            | 23   | 5.571G            | 24   | 5.420G            |
| 25                                               | 5.588G            | 26   | 5.277G            | 27   | 5.407G            | 28   | 5.610G            |
| 29                                               | 5.278G            | 30   | 5.710G            | 31   | 5.366G            | 32   | 5.301G            |
| 33                                               | 5.666G            | 34   | 5.551G            | 35   | 5.531G            | 36   | 5.339G            |
| 37                                               | 5.410G            | 38   | 5.303G            | 39   | 5.267G            | 40   | 5.538G            |
| 41                                               | 5.327G            | 42   | 5.701G            | 43   | 5.358G            | 44   | 5.581G            |
| 45                                               | 5.408G            | 46   | 5.584G            | 47   | 5.477G            | 48   | 5.357G            |
| 49                                               | 5.703G            | 50   | 5.376G            | 51   | 5.683G            | 52   | 5.413G            |
| 53                                               | 5.662G            | 54   | 5.423G            | 55   | 5.632G            | 56   | 5.668G            |
| 57                                               | 5.619G            | 58   | 5.281G            | 59   | 5.429G            | 60   | 5.289G            |
| 61                                               | 5.306G            | 62   | 5.337G            | 63   | 5.596G            | 64   | 5.286G            |
| 65                                               | 5.592G            | 66   | 5.379G            | 67   | 5.362G            | 68   | 5.351G            |
| 69                                               | 5.433G            | 70   | 5.271G            | 71   | 5.384G            | 72   | 5.614G            |
| 73                                               | 5.504G            | 74   | 5.296G            | 75   | 5.712G            | 76   | 5.452G            |
| 77                                               | 5.687G            | 78   | 5.533G            | 79   | 5.599G            | 80   | 5.561G            |
| 81                                               | 5.293G            | 82   | 5.300G            | 83   | 5.302G            | 84   | 5.718G            |
| 85                                               | 5.291G            | 86   | 5.456G            | 87   | 5.505G            | 88   | 5.636G            |
| 89                                               | 5.367G            | 90   | 5.348G            | 91   | 5.527G            | 92   | 5.558G            |
| 93                                               | 5.640G            | 94   | 5.559G            | 95   | 5.436G            | 96   | 5.613G            |
| 97                                               | 5.472G            | 98   | 5.707G            | 99   | 5.607G            | 100  | 5.680G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.641G            | 2    | 5.581G            | 3    | 5.679G            | 4    | 5.580G            |
| 5                                                | 5.429G            | 6    | 5.315G            | 7    | 5.582G            | 8    | 5.604G            |
| 9                                                | 5.353G            | 10   | 5.255G            | 11   | 5.260G            | 12   | 5.425G            |
| 13                                               | 5.366G            | 14   | 5.343G            | 15   | 5.478G            | 16   | 5.310G            |
| 17                                               | 5.367G            | 18   | 5.288G            | 19   | 5.595G            | 20   | 5.719G            |
| 21                                               | 5.514G            | 22   | 5.630G            | 23   | 5.327G            | 24   | 5.606G            |
| 25                                               | 5.424G            | 26   | 5.662G            | 27   | 5.482G            | 28   | 5.683G            |
| 29                                               | 5.528G            | 30   | 5.289G            | 31   | 5.700G            | 32   | 5.541G            |
| 33                                               | 5.356G            | 34   | 5.585G            | 35   | 5.506G            | 36   | 5.297G            |
| 37                                               | 5.391G            | 38   | 5.505G            | 39   | 5.511G            | 40   | 5.333G            |
| 41                                               | 5.292G            | 42   | 5.572G            | 43   | 5.329G            | 44   | 5.553G            |
| 45                                               | 5.408G            | 46   | 5.612G            | 47   | 5.532G            | 48   | 5.423G            |
| 49                                               | 5.594G            | 50   | 5.495G            | 51   | 5.499G            | 52   | 5.607G            |
| 53                                               | 5.706G            | 54   | 5.525G            | 55   | 5.692G            | 56   | 5.390G            |
| 57                                               | 5.576G            | 58   | 5.270G            | 59   | 5.549G            | 60   | 5.468G            |
| 61                                               | 5.407G            | 62   | 5.455G            | 63   | 5.448G            | 64   | 5.565G            |
| 65                                               | 5.687G            | 66   | 5.656G            | 67   | 5.335G            | 68   | 5.649G            |
| 69                                               | 5.360G            | 70   | 5.349G            | 71   | 5.504G            | 72   | 5.661G            |
| 73                                               | 5.422G            | 74   | 5.328G            | 75   | 5.311G            | 76   | 5.307G            |
| 77                                               | 5.669G            | 78   | 5.561G            | 79   | 5.521G            | 80   | 5.342G            |
| 81                                               | 5.337G            | 82   | 5.518G            | 83   | 5.441G            | 84   | 5.436G            |
| 85                                               | 5.682G            | 86   | 5.562G            | 87   | 5.466G            | 88   | 5.539G            |
| 89                                               | 5.372G            | 90   | 5.534G            | 91   | 5.284G            | 92   | 5.537G            |
| 93                                               | 5.701G            | 94   | 5.384G            | 95   | 5.251G            | 96   | 5.445G            |
| 97                                               | 5.473G            | 98   | 5.388G            | 99   | 5.280G            | 100  | 5.285G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.284G            | 2    | 5.304G            | 3    | 5.456G            | 4    | 5.489G            |
| 5                                                | 5.670G            | 6    | 5.409G            | 7    | 5.574G            | 8    | 5.448G            |
| 9                                                | 5.581G            | 10   | 5.467G            | 11   | 5.637G            | 12   | 5.651G            |
| 13                                               | 5.641G            | 14   | 5.407G            | 15   | 5.281G            | 16   | 5.321G            |
| 17                                               | 5.428G            | 18   | 5.355G            | 19   | 5.260G            | 20   | 5.276G            |
| 21                                               | 5.435G            | 22   | 5.640G            | 23   | 5.683G            | 24   | 5.333G            |
| 25                                               | 5.382G            | 26   | 5.712G            | 27   | 5.391G            | 28   | 5.401G            |
| 29                                               | 5.554G            | 30   | 5.383G            | 31   | 5.261G            | 32   | 5.315G            |
| 33                                               | 5.563G            | 34   | 5.326G            | 35   | 5.652G            | 36   | 5.393G            |
| 37                                               | 5.280G            | 38   | 5.352G            | 39   | 5.588G            | 40   | 5.595G            |
| 41                                               | 5.498G            | 42   | 5.618G            | 43   | 5.596G            | 44   | 5.307G            |
| 45                                               | 5.720G            | 46   | 5.495G            | 47   | 5.542G            | 48   | 5.469G            |
| 49                                               | 5.617G            | 50   | 5.623G            | 51   | 5.723G            | 52   | 5.440G            |
| 53                                               | 5.350G            | 54   | 5.338G            | 55   | 5.332G            | 56   | 5.602G            |
| 57                                               | 5.277G            | 58   | 5.367G            | 59   | 5.572G            | 60   | 5.611G            |
| 61                                               | 5.294G            | 62   | 5.584G            | 63   | 5.529G            | 64   | 5.678G            |
| 65                                               | 5.501G            | 66   | 5.267G            | 67   | 5.536G            | 68   | 5.301G            |
| 69                                               | 5.516G            | 70   | 5.650G            | 71   | 5.664G            | 72   | 5.662G            |
| 73                                               | 5.263G            | 74   | 5.458G            | 75   | 5.528G            | 76   | 5.707G            |
| 77                                               | 5.717G            | 78   | 5.418G            | 79   | 5.560G            | 80   | 5.604G            |
| 81                                               | 5.644G            | 82   | 5.396G            | 83   | 5.416G            | 84   | 5.514G            |
| 85                                               | 5.526G            | 86   | 5.699G            | 87   | 5.443G            | 88   | 5.674G            |
| 89                                               | 5.411G            | 90   | 5.671G            | 91   | 5.510G            | 92   | 5.257G            |
| 93                                               | 5.436G            | 94   | 5.424G            | 95   | 5.459G            | 96   | 5.273G            |
| 97                                               | 5.685G            | 98   | 5.463G            | 99   | 5.288G            | 100  | 5.275G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.278G            | 2    | 5.505G            | 3    | 5.563G            | 4    | 5.422G            |
| 5                                                | 5.685G            | 6    | 5.270G            | 7    | 5.545G            | 8    | 5.321G            |
| 9                                                | 5.641G            | 10   | 5.680G            | 11   | 5.568G            | 12   | 5.284G            |
| 13                                               | 5.675G            | 14   | 5.542G            | 15   | 5.406G            | 16   | 5.426G            |
| 17                                               | 5.346G            | 18   | 5.327G            | 19   | 5.558G            | 20   | 5.423G            |
| 21                                               | 5.285G            | 22   | 5.434G            | 23   | 5.720G            | 24   | 5.538G            |
| 25                                               | 5.357G            | 26   | 5.286G            | 27   | 5.362G            | 28   | 5.522G            |
| 29                                               | 5.520G            | 30   | 5.438G            | 31   | 5.418G            | 32   | 5.448G            |
| 33                                               | 5.605G            | 34   | 5.451G            | 35   | 5.516G            | 36   | 5.319G            |
| 37                                               | 5.694G            | 38   | 5.671G            | 39   | 5.518G            | 40   | 5.553G            |
| 41                                               | 5.252G            | 42   | 5.395G            | 43   | 5.482G            | 44   | 5.419G            |
| 45                                               | 5.397G            | 46   | 5.716G            | 47   | 5.349G            | 48   | 5.661G            |
| 49                                               | 5.296G            | 50   | 5.693G            | 51   | 5.414G            | 52   | 5.670G            |
| 53                                               | 5.356G            | 54   | 5.527G            | 55   | 5.704G            | 56   | 5.566G            |
| 57                                               | 5.429G            | 58   | 5.592G            | 59   | 5.353G            | 60   | 5.361G            |
| 61                                               | 5.475G            | 62   | 5.636G            | 63   | 5.508G            | 64   | 5.718G            |
| 65                                               | 5.484G            | 66   | 5.405G            | 67   | 5.348G            | 68   | 5.650G            |
| 69                                               | 5.412G            | 70   | 5.607G            | 71   | 5.294G            | 72   | 5.721G            |
| 73                                               | 5.565G            | 74   | 5.379G            | 75   | 5.279G            | 76   | 5.433G            |
| 77                                               | 5.578G            | 78   | 5.610G            | 79   | 5.477G            | 80   | 5.571G            |
| 81                                               | 5.276G            | 82   | 5.495G            | 83   | 5.308G            | 84   | 5.698G            |
| 85                                               | 5.572G            | 86   | 5.398G            | 87   | 5.387G            | 88   | 5.597G            |
| 89                                               | 5.688G            | 90   | 5.590G            | 91   | 5.485G            | 92   | 5.497G            |
| 93                                               | 5.253G            | 94   | 5.617G            | 95   | 5.632G            | 96   | 5.363G            |
| 97                                               | 5.628G            | 98   | 5.376G            | 99   | 5.282G            | 100  | 5.490G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.535G            | 2    | 5.444G            | 3    | 5.468G            | 4    | 5.719G            |
| 5                                                | 5.264G            | 6    | 5.349G            | 7    | 5.554G            | 8    | 5.387G            |
| 9                                                | 5.462G            | 10   | 5.632G            | 11   | 5.490G            | 12   | 5.478G            |
| 13                                               | 5.340G            | 14   | 5.494G            | 15   | 5.323G            | 16   | 5.320G            |
| 17                                               | 5.560G            | 18   | 5.435G            | 19   | 5.367G            | 20   | 5.544G            |
| 21                                               | 5.519G            | 22   | 5.401G            | 23   | 5.616G            | 24   | 5.485G            |
| 25                                               | 5.477G            | 26   | 5.482G            | 27   | 5.669G            | 28   | 5.553G            |
| 29                                               | 5.682G            | 30   | 5.308G            | 31   | 5.293G            | 32   | 5.496G            |
| 33                                               | 5.480G            | 34   | 5.593G            | 35   | 5.268G            | 36   | 5.324G            |
| 37                                               | 5.657G            | 38   | 5.587G            | 39   | 5.712G            | 40   | 5.635G            |
| 41                                               | 5.473G            | 42   | 5.441G            | 43   | 5.442G            | 44   | 5.649G            |
| 45                                               | 5.597G            | 46   | 5.517G            | 47   | 5.279G            | 48   | 5.454G            |
| 49                                               | 5.689G            | 50   | 5.456G            | 51   | 5.529G            | 52   | 5.391G            |
| 53                                               | 5.515G            | 54   | 5.350G            | 55   | 5.434G            | 56   | 5.505G            |
| 57                                               | 5.539G            | 58   | 5.582G            | 59   | 5.604G            | 60   | 5.370G            |
| 61                                               | 5.413G            | 62   | 5.414G            | 63   | 5.285G            | 64   | 5.605G            |
| 65                                               | 5.648G            | 66   | 5.345G            | 67   | 5.489G            | 68   | 5.671G            |
| 69                                               | 5.540G            | 70   | 5.289G            | 71   | 5.598G            | 72   | 5.542G            |
| 73                                               | 5.636G            | 74   | 5.381G            | 75   | 5.347G            | 76   | 5.522G            |
| 77                                               | 5.711G            | 78   | 5.693G            | 79   | 5.319G            | 80   | 5.431G            |
| 81                                               | 5.501G            | 82   | 5.486G            | 83   | 5.280G            | 84   | 5.647G            |
| 85                                               | 5.398G            | 86   | 5.259G            | 87   | 5.570G            | 88   | 5.504G            |
| 89                                               | 5.558G            | 90   | 5.426G            | 91   | 5.706G            | 92   | 5.291G            |
| 93                                               | 5.253G            | 94   | 5.662G            | 95   | 5.362G            | 96   | 5.667G            |
| 97                                               | 5.590G            | 98   | 5.569G            | 99   | 5.531G            | 100  | 5.405G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.642G            | 2    | 5.685G            | 3    | 5.613G            | 4    | 5.701G            |
| 5                                                | 5.526G            | 6    | 5.604G            | 7    | 5.329G            | 8    | 5.551G            |
| 9                                                | 5.624G            | 10   | 5.389G            | 11   | 5.696G            | 12   | 5.599G            |
| 13                                               | 5.323G            | 14   | 5.274G            | 15   | 5.293G            | 16   | 5.416G            |
| 17                                               | 5.720G            | 18   | 5.453G            | 19   | 5.655G            | 20   | 5.608G            |
| 21                                               | 5.344G            | 22   | 5.349G            | 23   | 5.399G            | 24   | 5.605G            |
| 25                                               | 5.326G            | 26   | 5.693G            | 27   | 5.674G            | 28   | 5.255G            |
| 29                                               | 5.370G            | 30   | 5.285G            | 31   | 5.666G            | 32   | 5.578G            |
| 33                                               | 5.260G            | 34   | 5.275G            | 35   | 5.409G            | 36   | 5.715G            |
| 37                                               | 5.660G            | 38   | 5.460G            | 39   | 5.324G            | 40   | 5.509G            |
| 41                                               | 5.712G            | 42   | 5.312G            | 43   | 5.480G            | 44   | 5.375G            |
| 45                                               | 5.681G            | 46   | 5.631G            | 47   | 5.714G            | 48   | 5.512G            |
| 49                                               | 5.445G            | 50   | 5.514G            | 51   | 5.354G            | 52   | 5.483G            |
| 53                                               | 5.490G            | 54   | 5.654G            | 55   | 5.386G            | 56   | 5.291G            |
| 57                                               | 5.476G            | 58   | 5.716G            | 59   | 5.362G            | 60   | 5.265G            |
| 61                                               | 5.680G            | 62   | 5.439G            | 63   | 5.541G            | 64   | 5.573G            |
| 65                                               | 5.682G            | 66   | 5.644G            | 67   | 5.414G            | 68   | 5.422G            |
| 69                                               | 5.668G            | 70   | 5.677G            | 71   | 5.609G            | 72   | 5.705G            |
| 73                                               | 5.473G            | 74   | 5.517G            | 75   | 5.482G            | 76   | 5.549G            |
| 77                                               | 5.360G            | 78   | 5.485G            | 79   | 5.684G            | 80   | 5.317G            |
| 81                                               | 5.264G            | 82   | 5.711G            | 83   | 5.355G            | 84   | 5.596G            |
| 85                                               | 5.300G            | 86   | 5.592G            | 87   | 5.303G            | 88   | 5.594G            |
| 89                                               | 5.579G            | 90   | 5.649G            | 91   | 5.340G            | 92   | 5.667G            |
| 93                                               | 5.643G            | 94   | 5.575G            | 95   | 5.396G            | 96   | 5.436G            |
| 97                                               | 5.437G            | 98   | 5.408G            | 99   | 5.561G            | 100  | 5.421G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.597G            | 2    | 5.360G            | 3    | 5.666G            | 4    | 5.431G            |
| 5                                                | 5.587G            | 6    | 5.521G            | 7    | 5.471G            | 8    | 5.553G            |
| 9                                                | 5.676G            | 10   | 5.338G            | 11   | 5.722G            | 12   | 5.347G            |
| 13                                               | 5.458G            | 14   | 5.498G            | 15   | 5.620G            | 16   | 5.641G            |
| 17                                               | 5.596G            | 18   | 5.295G            | 19   | 5.317G            | 20   | 5.605G            |
| 21                                               | 5.532G            | 22   | 5.650G            | 23   | 5.558G            | 24   | 5.700G            |
| 25                                               | 5.495G            | 26   | 5.481G            | 27   | 5.485G            | 28   | 5.390G            |
| 29                                               | 5.656G            | 30   | 5.648G            | 31   | 5.365G            | 32   | 5.708G            |
| 33                                               | 5.371G            | 34   | 5.441G            | 35   | 5.702G            | 36   | 5.504G            |
| 37                                               | 5.261G            | 38   | 5.398G            | 39   | 5.392G            | 40   | 5.572G            |
| 41                                               | 5.683G            | 42   | 5.567G            | 43   | 5.585G            | 44   | 5.623G            |
| 45                                               | 5.569G            | 46   | 5.256G            | 47   | 5.505G            | 48   | 5.649G            |
| 49                                               | 5.426G            | 50   | 5.264G            | 51   | 5.640G            | 52   | 5.690G            |
| 53                                               | 5.520G            | 54   | 5.466G            | 55   | 5.593G            | 56   | 5.568G            |
| 57                                               | 5.325G            | 58   | 5.383G            | 59   | 5.300G            | 60   | 5.389G            |
| 61                                               | 5.469G            | 62   | 5.253G            | 63   | 5.285G            | 64   | 5.724G            |
| 65                                               | 5.538G            | 66   | 5.467G            | 67   | 5.519G            | 68   | 5.686G            |
| 69                                               | 5.539G            | 70   | 5.313G            | 71   | 5.713G            | 72   | 5.312G            |
| 73                                               | 5.654G            | 74   | 5.299G            | 75   | 5.446G            | 76   | 5.366G            |
| 77                                               | 5.320G            | 78   | 5.479G            | 79   | 5.492G            | 80   | 5.340G            |
| 81                                               | 5.548G            | 82   | 5.671G            | 83   | 5.698G            | 84   | 5.674G            |
| 85                                               | 5.343G            | 86   | 5.710G            | 87   | 5.443G            | 88   | 5.503G            |
| 89                                               | 5.599G            | 90   | 5.474G            | 91   | 5.502G            | 92   | 5.437G            |
| 93                                               | 5.263G            | 94   | 5.604G            | 95   | 5.393G            | 96   | 5.372G            |
| 97                                               | 5.369G            | 98   | 5.262G            | 99   | 5.711G            | 100  | 5.527G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.667G            | 2    | 5.626G            | 3    | 5.314G            | 4    | 5.440G            |
| 5                                                | 5.527G            | 6    | 5.365G            | 7    | 5.653G            | 8    | 5.652G            |
| 9                                                | 5.469G            | 10   | 5.694G            | 11   | 5.496G            | 12   | 5.634G            |
| 13                                               | 5.517G            | 14   | 5.354G            | 15   | 5.481G            | 16   | 5.505G            |
| 17                                               | 5.292G            | 18   | 5.254G            | 19   | 5.569G            | 20   | 5.649G            |
| 21                                               | 5.433G            | 22   | 5.604G            | 23   | 5.404G            | 24   | 5.349G            |
| 25                                               | 5.416G            | 26   | 5.551G            | 27   | 5.603G            | 28   | 5.561G            |
| 29                                               | 5.386G            | 30   | 5.648G            | 31   | 5.369G            | 32   | 5.252G            |
| 33                                               | 5.635G            | 34   | 5.605G            | 35   | 5.399G            | 36   | 5.485G            |
| 37                                               | 5.391G            | 38   | 5.641G            | 39   | 5.518G            | 40   | 5.607G            |
| 41                                               | 5.529G            | 42   | 5.590G            | 43   | 5.520G            | 44   | 5.514G            |
| 45                                               | 5.409G            | 46   | 5.336G            | 47   | 5.567G            | 48   | 5.679G            |
| 49                                               | 5.698G            | 50   | 5.594G            | 51   | 5.564G            | 52   | 5.419G            |
| 53                                               | 5.657G            | 54   | 5.668G            | 55   | 5.689G            | 56   | 5.306G            |
| 57                                               | 5.385G            | 58   | 5.278G            | 59   | 5.688G            | 60   | 5.423G            |
| 61                                               | 5.674G            | 62   | 5.536G            | 63   | 5.544G            | 64   | 5.435G            |
| 65                                               | 5.251G            | 66   | 5.601G            | 67   | 5.438G            | 68   | 5.280G            |
| 69                                               | 5.260G            | 70   | 5.288G            | 71   | 5.711G            | 72   | 5.389G            |
| 73                                               | 5.640G            | 74   | 5.556G            | 75   | 5.664G            | 76   | 5.718G            |
| 77                                               | 5.677G            | 78   | 5.651G            | 79   | 5.277G            | 80   | 5.420G            |
| 81                                               | 5.300G            | 82   | 5.683G            | 83   | 5.573G            | 84   | 5.702G            |
| 85                                               | 5.256G            | 86   | 5.684G            | 87   | 5.533G            | 88   | 5.362G            |
| 89                                               | 5.443G            | 90   | 5.712G            | 91   | 5.612G            | 92   | 5.606G            |
| 93                                               | 5.491G            | 94   | 5.364G            | 95   | 5.338G            | 96   | 5.417G            |
| 97                                               | 5.428G            | 98   | 5.553G            | 99   | 5.595G            | 100  | 5.583G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.652G            | 2    | 5.260G            | 3    | 5.508G            | 4    | 5.643G            |
| 5                                                | 5.653G            | 6    | 5.659G            | 7    | 5.381G            | 8    | 5.683G            |
| 9                                                | 5.724G            | 10   | 5.711G            | 11   | 5.577G            | 12   | 5.333G            |
| 13                                               | 5.682G            | 14   | 5.307G            | 15   | 5.258G            | 16   | 5.603G            |
| 17                                               | 5.605G            | 18   | 5.534G            | 19   | 5.520G            | 20   | 5.491G            |
| 21                                               | 5.367G            | 22   | 5.672G            | 23   | 5.355G            | 24   | 5.372G            |
| 25                                               | 5.651G            | 26   | 5.541G            | 27   | 5.274G            | 28   | 5.666G            |
| 29                                               | 5.498G            | 30   | 5.336G            | 31   | 5.420G            | 32   | 5.701G            |
| 33                                               | 5.496G            | 34   | 5.707G            | 35   | 5.361G            | 36   | 5.608G            |
| 37                                               | 5.582G            | 38   | 5.631G            | 39   | 5.289G            | 40   | 5.386G            |
| 41                                               | 5.568G            | 42   | 5.671G            | 43   | 5.455G            | 44   | 5.279G            |
| 45                                               | 5.558G            | 46   | 5.595G            | 47   | 5.363G            | 48   | 5.352G            |
| 49                                               | 5.549G            | 50   | 5.434G            | 51   | 5.602G            | 52   | 5.362G            |
| 53                                               | 5.379G            | 54   | 5.419G            | 55   | 5.554G            | 56   | 5.686G            |
| 57                                               | 5.366G            | 58   | 5.516G            | 59   | 5.285G            | 60   | 5.405G            |
| 61                                               | 5.319G            | 62   | 5.596G            | 63   | 5.394G            | 64   | 5.385G            |
| 65                                               | 5.356G            | 66   | 5.300G            | 67   | 5.641G            | 68   | 5.280G            |
| 69                                               | 5.332G            | 70   | 5.626G            | 71   | 5.674G            | 72   | 5.295G            |
| 73                                               | 5.664G            | 74   | 5.600G            | 75   | 5.523G            | 76   | 5.440G            |
| 77                                               | 5.286G            | 78   | 5.490G            | 79   | 5.259G            | 80   | 5.593G            |
| 81                                               | 5.531G            | 82   | 5.634G            | 83   | 5.489G            | 84   | 5.559G            |
| 85                                               | 5.527G            | 86   | 5.578G            | 87   | 5.322G            | 88   | 5.589G            |
| 89                                               | 5.709G            | 90   | 5.525G            | 91   | 5.535G            | 92   | 5.537G            |
| 93                                               | 5.636G            | 94   | 5.521G            | 95   | 5.323G            | 96   | 5.716G            |
| 97                                               | 5.611G            | 98   | 5.632G            | 99   | 5.282G            | 100  | 5.598G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.448G            | 2    | 5.353G            | 3    | 5.542G            | 4    | 5.384G            |
| 5                                                | 5.676G            | 6    | 5.609G            | 7    | 5.518G            | 8    | 5.454G            |
| 9                                                | 5.662G            | 10   | 5.516G            | 11   | 5.357G            | 12   | 5.406G            |
| 13                                               | 5.491G            | 14   | 5.438G            | 15   | 5.408G            | 16   | 5.263G            |
| 17                                               | 5.625G            | 18   | 5.559G            | 19   | 5.652G            | 20   | 5.280G            |
| 21                                               | 5.577G            | 22   | 5.254G            | 23   | 5.556G            | 24   | 5.472G            |
| 25                                               | 5.672G            | 26   | 5.282G            | 27   | 5.639G            | 28   | 5.527G            |
| 29                                               | 5.612G            | 30   | 5.569G            | 31   | 5.555G            | 32   | 5.630G            |
| 33                                               | 5.347G            | 34   | 5.607G            | 35   | 5.647G            | 36   | 5.425G            |
| 37                                               | 5.422G            | 38   | 5.329G            | 39   | 5.501G            | 40   | 5.704G            |
| 41                                               | 5.364G            | 42   | 5.374G            | 43   | 5.702G            | 44   | 5.554G            |
| 45                                               | 5.644G            | 46   | 5.277G            | 47   | 5.626G            | 48   | 5.418G            |
| 49                                               | 5.587G            | 50   | 5.604G            | 51   | 5.677G            | 52   | 5.558G            |
| 53                                               | 5.568G            | 54   | 5.534G            | 55   | 5.497G            | 56   | 5.401G            |
| 57                                               | 5.252G            | 58   | 5.466G            | 59   | 5.571G            | 60   | 5.584G            |
| 61                                               | 5.714G            | 62   | 5.682G            | 63   | 5.552G            | 64   | 5.610G            |
| 65                                               | 5.597G            | 66   | 5.392G            | 67   | 5.370G            | 68   | 5.456G            |
| 69                                               | 5.316G            | 70   | 5.274G            | 71   | 5.506G            | 72   | 5.523G            |
| 73                                               | 5.537G            | 74   | 5.533G            | 75   | 5.546G            | 76   | 5.645G            |
| 77                                               | 5.276G            | 78   | 5.505G            | 79   | 5.484G            | 80   | 5.684G            |
| 81                                               | 5.679G            | 82   | 5.259G            | 83   | 5.285G            | 84   | 5.668G            |
| 85                                               | 5.723G            | 86   | 5.656G            | 87   | 5.673G            | 88   | 5.255G            |
| 89                                               | 5.594G            | 90   | 5.339G            | 91   | 5.268G            | 92   | 5.502G            |
| 93                                               | 5.496G            | 94   | 5.503G            | 95   | 5.323G            | 96   | 5.273G            |
| 97                                               | 5.342G            | 98   | 5.711G            | 99   | 5.410G            | 100  | 5.661G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.407G            | 2    | 5.441G            | 3    | 5.498G            | 4    | 5.515G            |
| 5                                                | 5.358G            | 6    | 5.316G            | 7    | 5.659G            | 8    | 5.695G            |
| 9                                                | 5.542G            | 10   | 5.393G            | 11   | 5.592G            | 12   | 5.682G            |
| 13                                               | 5.332G            | 14   | 5.675G            | 15   | 5.608G            | 16   | 5.588G            |
| 17                                               | 5.578G            | 18   | 5.291G            | 19   | 5.614G            | 20   | 5.282G            |
| 21                                               | 5.648G            | 22   | 5.476G            | 23   | 5.273G            | 24   | 5.312G            |
| 25                                               | 5.697G            | 26   | 5.658G            | 27   | 5.349G            | 28   | 5.600G            |
| 29                                               | 5.279G            | 30   | 5.431G            | 31   | 5.484G            | 32   | 5.372G            |
| 33                                               | 5.283G            | 34   | 5.378G            | 35   | 5.401G            | 36   | 5.505G            |
| 37                                               | 5.471G            | 38   | 5.295G            | 39   | 5.470G            | 40   | 5.341G            |
| 41                                               | 5.669G            | 42   | 5.366G            | 43   | 5.290G            | 44   | 5.475G            |
| 45                                               | 5.549G            | 46   | 5.633G            | 47   | 5.430G            | 48   | 5.539G            |
| 49                                               | 5.425G            | 50   | 5.387G            | 51   | 5.511G            | 52   | 5.373G            |
| 53                                               | 5.514G            | 54   | 5.634G            | 55   | 5.297G            | 56   | 5.461G            |
| 57                                               | 5.392G            | 58   | 5.516G            | 59   | 5.270G            | 60   | 5.280G            |
| 61                                               | 5.427G            | 62   | 5.570G            | 63   | 5.289G            | 64   | 5.310G            |
| 65                                               | 5.411G            | 66   | 5.412G            | 67   | 5.711G            | 68   | 5.568G            |
| 69                                               | 5.386G            | 70   | 5.655G            | 71   | 5.409G            | 72   | 5.374G            |
| 73                                               | 5.437G            | 74   | 5.302G            | 75   | 5.617G            | 76   | 5.572G            |
| 77                                               | 5.370G            | 78   | 5.667G            | 79   | 5.601G            | 80   | 5.447G            |
| 81                                               | 5.551G            | 82   | 5.525G            | 83   | 5.292G            | 84   | 5.481G            |
| 85                                               | 5.571G            | 86   | 5.605G            | 87   | 5.395G            | 88   | 5.496G            |
| 89                                               | 5.402G            | 90   | 5.644G            | 91   | 5.631G            | 92   | 5.432G            |
| 93                                               | 5.694G            | 94   | 5.662G            | 95   | 5.540G            | 96   | 5.489G            |
| 97                                               | 5.463G            | 98   | 5.521G            | 99   | 5.486G            | 100  | 5.616G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.544G            | 2    | 5.339G            | 3    | 5.529G            | 4    | 5.472G            |
| 5                                                | 5.508G            | 6    | 5.431G            | 7    | 5.596G            | 8    | 5.270G            |
| 9                                                | 5.327G            | 10   | 5.379G            | 11   | 5.662G            | 12   | 5.462G            |
| 13                                               | 5.273G            | 14   | 5.617G            | 15   | 5.651G            | 16   | 5.377G            |
| 17                                               | 5.686G            | 18   | 5.415G            | 19   | 5.488G            | 20   | 5.380G            |
| 21                                               | 5.351G            | 22   | 5.688G            | 23   | 5.260G            | 24   | 5.530G            |
| 25                                               | 5.589G            | 26   | 5.703G            | 27   | 5.632G            | 28   | 5.609G            |
| 29                                               | 5.333G            | 30   | 5.286G            | 31   | 5.507G            | 32   | 5.693G            |
| 33                                               | 5.664G            | 34   | 5.582G            | 35   | 5.461G            | 36   | 5.358G            |
| 37                                               | 5.667G            | 38   | 5.555G            | 39   | 5.367G            | 40   | 5.570G            |
| 41                                               | 5.711G            | 42   | 5.372G            | 43   | 5.537G            | 44   | 5.267G            |
| 45                                               | 5.301G            | 46   | 5.585G            | 47   | 5.288G            | 48   | 5.583G            |
| 49                                               | 5.398G            | 50   | 5.421G            | 51   | 5.291G            | 52   | 5.445G            |
| 53                                               | 5.541G            | 54   | 5.504G            | 55   | 5.384G            | 56   | 5.299G            |
| 57                                               | 5.543G            | 58   | 5.556G            | 59   | 5.496G            | 60   | 5.477G            |
| 61                                               | 5.423G            | 62   | 5.678G            | 63   | 5.624G            | 64   | 5.353G            |
| 65                                               | 5.413G            | 66   | 5.296G            | 67   | 5.706G            | 68   | 5.685G            |
| 69                                               | 5.473G            | 70   | 5.722G            | 71   | 5.424G            | 72   | 5.525G            |
| 73                                               | 5.674G            | 74   | 5.359G            | 75   | 5.325G            | 76   | 5.489G            |
| 77                                               | 5.614G            | 78   | 5.622G            | 79   | 5.294G            | 80   | 5.573G            |
| 81                                               | 5.494G            | 82   | 5.326G            | 83   | 5.394G            | 84   | 5.482G            |
| 85                                               | 5.650G            | 86   | 5.435G            | 87   | 5.659G            | 88   | 5.400G            |
| 89                                               | 5.637G            | 90   | 5.355G            | 91   | 5.258G            | 92   | 5.449G            |
| 93                                               | 5.718G            | 94   | 5.676G            | 95   | 5.447G            | 96   | 5.549G            |
| 97                                               | 5.640G            | 98   | 5.645G            | 99   | 5.276G            | 100  | 5.533G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.358G            | 2    | 5.430G            | 3    | 5.615G            | 4    | 5.653G            |
| 5                                                | 5.439G            | 6    | 5.310G            | 7    | 5.399G            | 8    | 5.722G            |
| 9                                                | 5.721G            | 10   | 5.494G            | 11   | 5.352G            | 12   | 5.449G            |
| 13                                               | 5.538G            | 14   | 5.337G            | 15   | 5.438G            | 16   | 5.262G            |
| 17                                               | 5.307G            | 18   | 5.409G            | 19   | 5.503G            | 20   | 5.419G            |
| 21                                               | 5.487G            | 22   | 5.282G            | 23   | 5.417G            | 24   | 5.295G            |
| 25                                               | 5.644G            | 26   | 5.622G            | 27   | 5.383G            | 28   | 5.334G            |
| 29                                               | 5.692G            | 30   | 5.658G            | 31   | 5.598G            | 32   | 5.372G            |
| 33                                               | 5.573G            | 34   | 5.576G            | 35   | 5.491G            | 36   | 5.621G            |
| 37                                               | 5.380G            | 38   | 5.586G            | 39   | 5.527G            | 40   | 5.698G            |
| 41                                               | 5.342G            | 42   | 5.275G            | 43   | 5.492G            | 44   | 5.630G            |
| 45                                               | 5.529G            | 46   | 5.724G            | 47   | 5.269G            | 48   | 5.411G            |
| 49                                               | 5.474G            | 50   | 5.608G            | 51   | 5.553G            | 52   | 5.602G            |
| 53                                               | 5.429G            | 54   | 5.478G            | 55   | 5.312G            | 56   | 5.318G            |
| 57                                               | 5.673G            | 58   | 5.297G            | 59   | 5.369G            | 60   | 5.377G            |
| 61                                               | 5.375G            | 62   | 5.285G            | 63   | 5.558G            | 64   | 5.260G            |
| 65                                               | 5.390G            | 66   | 5.268G            | 67   | 5.656G            | 68   | 5.370G            |
| 69                                               | 5.596G            | 70   | 5.605G            | 71   | 5.591G            | 72   | 5.629G            |
| 73                                               | 5.506G            | 74   | 5.351G            | 75   | 5.281G            | 76   | 5.336G            |
| 77                                               | 5.524G            | 78   | 5.521G            | 79   | 5.461G            | 80   | 5.367G            |
| 81                                               | 5.296G            | 82   | 5.347G            | 83   | 5.435G            | 84   | 5.329G            |
| 85                                               | 5.340G            | 86   | 5.299G            | 87   | 5.680G            | 88   | 5.448G            |
| 89                                               | 5.261G            | 90   | 5.510G            | 91   | 5.265G            | 92   | 5.555G            |
| 93                                               | 5.595G            | 94   | 5.457G            | 95   | 5.280G            | 96   | 5.359G            |
| 97                                               | 5.410G            | 98   | 5.509G            | 99   | 5.379G            | 100  | 5.447G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.393G            | 2    | 5.673G            | 3    | 5.362G            | 4    | 5.390G            |
| 5                                                | 5.528G            | 6    | 5.625G            | 7    | 5.315G            | 8    | 5.383G            |
| 9                                                | 5.653G            | 10   | 5.342G            | 11   | 5.572G            | 12   | 5.613G            |
| 13                                               | 5.252G            | 14   | 5.520G            | 15   | 5.685G            | 16   | 5.292G            |
| 17                                               | 5.268G            | 18   | 5.450G            | 19   | 5.259G            | 20   | 5.674G            |
| 21                                               | 5.321G            | 22   | 5.371G            | 23   | 5.531G            | 24   | 5.381G            |
| 25                                               | 5.284G            | 26   | 5.403G            | 27   | 5.599G            | 28   | 5.549G            |
| 29                                               | 5.400G            | 30   | 5.482G            | 31   | 5.281G            | 32   | 5.454G            |
| 33                                               | 5.689G            | 34   | 5.290G            | 35   | 5.481G            | 36   | 5.540G            |
| 37                                               | 5.571G            | 38   | 5.368G            | 39   | 5.440G            | 40   | 5.555G            |
| 41                                               | 5.607G            | 42   | 5.399G            | 43   | 5.713G            | 44   | 5.301G            |
| 45                                               | 5.423G            | 46   | 5.369G            | 47   | 5.445G            | 48   | 5.566G            |
| 49                                               | 5.574G            | 50   | 5.724G            | 51   | 5.639G            | 52   | 5.406G            |
| 53                                               | 5.407G            | 54   | 5.543G            | 55   | 5.476G            | 56   | 5.660G            |
| 57                                               | 5.633G            | 58   | 5.700G            | 59   | 5.417G            | 60   | 5.439G            |
| 61                                               | 5.589G            | 62   | 5.585G            | 63   | 5.435G            | 64   | 5.500G            |
| 65                                               | 5.715G            | 66   | 5.280G            | 67   | 5.697G            | 68   | 5.366G            |
| 69                                               | 5.442G            | 70   | 5.558G            | 71   | 5.286G            | 72   | 5.448G            |
| 73                                               | 5.716G            | 74   | 5.508G            | 75   | 5.634G            | 76   | 5.488G            |
| 77                                               | 5.657G            | 78   | 5.554G            | 79   | 5.461G            | 80   | 5.721G            |
| 81                                               | 5.517G            | 82   | 5.269G            | 83   | 5.584G            | 84   | 5.693G            |
| 85                                               | 5.587G            | 86   | 5.502G            | 87   | 5.431G            | 88   | 5.405G            |
| 89                                               | 5.272G            | 90   | 5.707G            | 91   | 5.667G            | 92   | 5.418G            |
| 93                                               | 5.662G            | 94   | 5.387G            | 95   | 5.610G            | 96   | 5.536G            |
| 97                                               | 5.485G            | 98   | 5.605G            | 99   | 5.526G            | 100  | 5.279G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.293G            | 2    | 5.401G            | 3    | 5.260G            | 4    | 5.640G            |
| 5                                                | 5.308G            | 6    | 5.684G            | 7    | 5.527G            | 8    | 5.417G            |
| 9                                                | 5.419G            | 10   | 5.660G            | 11   | 5.495G            | 12   | 5.628G            |
| 13                                               | 5.363G            | 14   | 5.470G            | 15   | 5.517G            | 16   | 5.412G            |
| 17                                               | 5.446G            | 18   | 5.302G            | 19   | 5.567G            | 20   | 5.712G            |
| 21                                               | 5.272G            | 22   | 5.335G            | 23   | 5.582G            | 24   | 5.500G            |
| 25                                               | 5.311G            | 26   | 5.550G            | 27   | 5.378G            | 28   | 5.601G            |
| 29                                               | 5.671G            | 30   | 5.667G            | 31   | 5.452G            | 32   | 5.271G            |
| 33                                               | 5.283G            | 34   | 5.719G            | 35   | 5.536G            | 36   | 5.652G            |
| 37                                               | 5.526G            | 38   | 5.481G            | 39   | 5.657G            | 40   | 5.254G            |
| 41                                               | 5.343G            | 42   | 5.505G            | 43   | 5.542G            | 44   | 5.483G            |
| 45                                               | 5.342G            | 46   | 5.259G            | 47   | 5.710G            | 48   | 5.545G            |
| 49                                               | 5.410G            | 50   | 5.516G            | 51   | 5.489G            | 52   | 5.696G            |
| 53                                               | 5.512G            | 54   | 5.554G            | 55   | 5.571G            | 56   | 5.433G            |
| 57                                               | 5.445G            | 58   | 5.634G            | 59   | 5.345G            | 60   | 5.434G            |
| 61                                               | 5.716G            | 62   | 5.613G            | 63   | 5.541G            | 64   | 5.268G            |
| 65                                               | 5.282G            | 66   | 5.252G            | 67   | 5.442G            | 68   | 5.488G            |
| 69                                               | 5.703G            | 70   | 5.586G            | 71   | 5.349G            | 72   | 5.544G            |
| 73                                               | 5.325G            | 74   | 5.514G            | 75   | 5.456G            | 76   | 5.508G            |
| 77                                               | 5.403G            | 78   | 5.387G            | 79   | 5.406G            | 80   | 5.653G            |
| 81                                               | 5.497G            | 82   | 5.454G            | 83   | 5.307G            | 84   | 5.430G            |
| 85                                               | 5.377G            | 86   | 5.431G            | 87   | 5.382G            | 88   | 5.539G            |
| 89                                               | 5.251G            | 90   | 5.420G            | 91   | 5.638G            | 92   | 5.676G            |
| 93                                               | 5.592G            | 94   | 5.579G            | 95   | 5.463G            | 96   | 5.678G            |
| 97                                               | 5.262G            | 98   | 5.364G            | 99   | 5.388G            | 100  | 5.261G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.700G            | 2    | 5.350G            | 3    | 5.410G            | 4    | 5.401G            |
| 5                                                | 5.669G            | 6    | 5.409G            | 7    | 5.462G            | 8    | 5.338G            |
| 9                                                | 5.266G            | 10   | 5.526G            | 11   | 5.681G            | 12   | 5.337G            |
| 13                                               | 5.420G            | 14   | 5.267G            | 15   | 5.516G            | 16   | 5.629G            |
| 17                                               | 5.389G            | 18   | 5.299G            | 19   | 5.490G            | 20   | 5.398G            |
| 21                                               | 5.380G            | 22   | 5.418G            | 23   | 5.523G            | 24   | 5.655G            |
| 25                                               | 5.360G            | 26   | 5.328G            | 27   | 5.397G            | 28   | 5.639G            |
| 29                                               | 5.417G            | 30   | 5.423G            | 31   | 5.540G            | 32   | 5.342G            |
| 33                                               | 5.656G            | 34   | 5.296G            | 35   | 5.491G            | 36   | 5.635G            |
| 37                                               | 5.395G            | 38   | 5.255G            | 39   | 5.556G            | 40   | 5.254G            |
| 41                                               | 5.278G            | 42   | 5.648G            | 43   | 5.295G            | 44   | 5.576G            |
| 45                                               | 5.686G            | 46   | 5.569G            | 47   | 5.439G            | 48   | 5.476G            |
| 49                                               | 5.614G            | 50   | 5.422G            | 51   | 5.336G            | 52   | 5.367G            |
| 53                                               | 5.259G            | 54   | 5.461G            | 55   | 5.566G            | 56   | 5.702G            |
| 57                                               | 5.345G            | 58   | 5.307G            | 59   | 5.319G            | 60   | 5.289G            |
| 61                                               | 5.517G            | 62   | 5.281G            | 63   | 5.581G            | 64   | 5.673G            |
| 65                                               | 5.489G            | 66   | 5.339G            | 67   | 5.436G            | 68   | 5.352G            |
| 69                                               | 5.440G            | 70   | 5.634G            | 71   | 5.504G            | 72   | 5.411G            |
| 73                                               | 5.407G            | 74   | 5.625G            | 75   | 5.601G            | 76   | 5.678G            |
| 77                                               | 5.671G            | 78   | 5.282G            | 79   | 5.710G            | 80   | 5.324G            |
| 81                                               | 5.264G            | 82   | 5.536G            | 83   | 5.633G            | 84   | 5.499G            |
| 85                                               | 5.271G            | 86   | 5.568G            | 87   | 5.559G            | 88   | 5.644G            |
| 89                                               | 5.514G            | 90   | 5.664G            | 91   | 5.326G            | 92   | 5.294G            |
| 93                                               | 5.646G            | 94   | 5.315G            | 95   | 5.340G            | 96   | 5.408G            |
| 97                                               | 5.638G            | 98   | 5.599G            | 99   | 5.670G            | 100  | 5.561G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.563G            | 2    | 5.478G            | 3    | 5.723G            | 4    | 5.319G            |
| 5                                                | 5.374G            | 6    | 5.492G            | 7    | 5.469G            | 8    | 5.292G            |
| 9                                                | 5.525G            | 10   | 5.252G            | 11   | 5.350G            | 12   | 5.608G            |
| 13                                               | 5.323G            | 14   | 5.681G            | 15   | 5.388G            | 16   | 5.545G            |
| 17                                               | 5.291G            | 18   | 5.517G            | 19   | 5.253G            | 20   | 5.383G            |
| 21                                               | 5.489G            | 22   | 5.654G            | 23   | 5.704G            | 24   | 5.616G            |
| 25                                               | 5.621G            | 26   | 5.593G            | 27   | 5.435G            | 28   | 5.332G            |
| 29                                               | 5.420G            | 30   | 5.375G            | 31   | 5.587G            | 32   | 5.610G            |
| 33                                               | 5.498G            | 34   | 5.376G            | 35   | 5.661G            | 36   | 5.596G            |
| 37                                               | 5.413G            | 38   | 5.269G            | 39   | 5.701G            | 40   | 5.510G            |
| 41                                               | 5.266G            | 42   | 5.626G            | 43   | 5.516G            | 44   | 5.483G            |
| 45                                               | 5.467G            | 46   | 5.518G            | 47   | 5.586G            | 48   | 5.255G            |
| 49                                               | 5.512G            | 50   | 5.315G            | 51   | 5.639G            | 52   | 5.316G            |
| 53                                               | 5.667G            | 54   | 5.625G            | 55   | 5.495G            | 56   | 5.560G            |
| 57                                               | 5.455G            | 58   | 5.286G            | 59   | 5.324G            | 60   | 5.678G            |
| 61                                               | 5.555G            | 62   | 5.594G            | 63   | 5.662G            | 64   | 5.505G            |
| 65                                               | 5.320G            | 66   | 5.685G            | 67   | 5.282G            | 68   | 5.335G            |
| 69                                               | 5.677G            | 70   | 5.585G            | 71   | 5.526G            | 72   | 5.670G            |
| 73                                               | 5.400G            | 74   | 5.541G            | 75   | 5.488G            | 76   | 5.477G            |
| 77                                               | 5.480G            | 78   | 5.507G            | 79   | 5.449G            | 80   | 5.385G            |
| 81                                               | 5.473G            | 82   | 5.412G            | 83   | 5.714G            | 84   | 5.549G            |
| 85                                               | 5.690G            | 86   | 5.295G            | 87   | 5.619G            | 88   | 5.683G            |
| 89                                               | 5.411G            | 90   | 5.343G            | 91   | 5.664G            | 92   | 5.637G            |
| 93                                               | 5.351G            | 94   | 5.285G            | 95   | 5.691G            | 96   | 5.554G            |
| 97                                               | 5.415G            | 98   | 5.530G            | 99   | 5.692G            | 100  | 5.452G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.497G            | 2    | 5.599G            | 3    | 5.670G            | 4    | 5.665G            |
| 5                                                | 5.351G            | 6    | 5.278G            | 7    | 5.388G            | 8    | 5.600G            |
| 9                                                | 5.263G            | 10   | 5.572G            | 11   | 5.364G            | 12   | 5.532G            |
| 13                                               | 5.643G            | 14   | 5.487G            | 15   | 5.486G            | 16   | 5.631G            |
| 17                                               | 5.515G            | 18   | 5.492G            | 19   | 5.373G            | 20   | 5.442G            |
| 21                                               | 5.358G            | 22   | 5.293G            | 23   | 5.562G            | 24   | 5.355G            |
| 25                                               | 5.496G            | 26   | 5.467G            | 27   | 5.679G            | 28   | 5.707G            |
| 29                                               | 5.607G            | 30   | 5.513G            | 31   | 5.489G            | 32   | 5.485G            |
| 33                                               | 5.320G            | 34   | 5.418G            | 35   | 5.621G            | 36   | 5.416G            |
| 37                                               | 5.522G            | 38   | 5.407G            | 39   | 5.303G            | 40   | 5.357G            |
| 41                                               | 5.378G            | 42   | 5.542G            | 43   | 5.678G            | 44   | 5.452G            |
| 45                                               | 5.574G            | 46   | 5.449G            | 47   | 5.546G            | 48   | 5.610G            |
| 49                                               | 5.434G            | 50   | 5.613G            | 51   | 5.650G            | 52   | 5.469G            |
| 53                                               | 5.281G            | 54   | 5.608G            | 55   | 5.524G            | 56   | 5.529G            |
| 57                                               | 5.428G            | 58   | 5.661G            | 59   | 5.544G            | 60   | 5.512G            |
| 61                                               | 5.393G            | 62   | 5.411G            | 63   | 5.471G            | 64   | 5.462G            |
| 65                                               | 5.504G            | 66   | 5.399G            | 67   | 5.638G            | 68   | 5.298G            |
| 69                                               | 5.395G            | 70   | 5.553G            | 71   | 5.273G            | 72   | 5.578G            |
| 73                                               | 5.463G            | 74   | 5.423G            | 75   | 5.307G            | 76   | 5.516G            |
| 77                                               | 5.507G            | 78   | 5.480G            | 79   | 5.360G            | 80   | 5.721G            |
| 81                                               | 5.598G            | 82   | 5.376G            | 83   | 5.494G            | 84   | 5.398G            |
| 85                                               | 5.595G            | 86   | 5.521G            | 87   | 5.305G            | 88   | 5.446G            |
| 89                                               | 5.275G            | 90   | 5.443G            | 91   | 5.316G            | 92   | 5.437G            |
| 93                                               | 5.549G            | 94   | 5.693G            | 95   | 5.269G            | 96   | 5.295G            |
| 97                                               | 5.668G            | 98   | 5.586G            | 99   | 5.719G            | 100  | 5.615G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.691G            | 2    | 5.551G            | 3    | 5.579G            | 4    | 5.350G            |
| 5                                                | 5.688G            | 6    | 5.622G            | 7    | 5.294G            | 8    | 5.547G            |
| 9                                                | 5.460G            | 10   | 5.446G            | 11   | 5.270G            | 12   | 5.541G            |
| 13                                               | 5.620G            | 14   | 5.571G            | 15   | 5.384G            | 16   | 5.633G            |
| 17                                               | 5.477G            | 18   | 5.503G            | 19   | 5.553G            | 20   | 5.629G            |
| 21                                               | 5.472G            | 22   | 5.542G            | 23   | 5.528G            | 24   | 5.544G            |
| 25                                               | 5.613G            | 26   | 5.700G            | 27   | 5.434G            | 28   | 5.358G            |
| 29                                               | 5.525G            | 30   | 5.305G            | 31   | 5.644G            | 32   | 5.516G            |
| 33                                               | 5.648G            | 34   | 5.684G            | 35   | 5.488G            | 36   | 5.478G            |
| 37                                               | 5.498G            | 38   | 5.335G            | 39   | 5.441G            | 40   | 5.361G            |
| 41                                               | 5.411G            | 42   | 5.420G            | 43   | 5.396G            | 44   | 5.515G            |
| 45                                               | 5.353G            | 46   | 5.266G            | 47   | 5.451G            | 48   | 5.386G            |
| 49                                               | 5.617G            | 50   | 5.588G            | 51   | 5.374G            | 52   | 5.532G            |
| 53                                               | 5.666G            | 54   | 5.669G            | 55   | 5.314G            | 56   | 5.431G            |
| 57                                               | 5.520G            | 58   | 5.306G            | 59   | 5.272G            | 60   | 5.279G            |
| 61                                               | 5.634G            | 62   | 5.654G            | 63   | 5.619G            | 64   | 5.504G            |
| 65                                               | 5.334G            | 66   | 5.685G            | 67   | 5.690G            | 68   | 5.646G            |
| 69                                               | 5.575G            | 70   | 5.641G            | 71   | 5.297G            | 72   | 5.282G            |
| 73                                               | 5.713G            | 74   | 5.479G            | 75   | 5.663G            | 76   | 5.695G            |
| 77                                               | 5.492G            | 78   | 5.493G            | 79   | 5.668G            | 80   | 5.327G            |
| 81                                               | 5.288G            | 82   | 5.296G            | 83   | 5.413G            | 84   | 5.511G            |
| 85                                               | 5.486G            | 86   | 5.597G            | 87   | 5.286G            | 88   | 5.661G            |
| 89                                               | 5.421G            | 90   | 5.405G            | 91   | 5.536G            | 92   | 5.719G            |
| 93                                               | 5.518G            | 94   | 5.590G            | 95   | 5.608G            | 96   | 5.408G            |
| 97                                               | 5.582G            | 98   | 5.303G            | 99   | 5.449G            | 100  | 5.414G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.680G            | 2    | 5.483G            | 3    | 5.416G            | 4    | 5.549G            |
| 5                                                | 5.475G            | 6    | 5.321G            | 7    | 5.633G            | 8    | 5.278G            |
| 9                                                | 5.311G            | 10   | 5.524G            | 11   | 5.678G            | 12   | 5.521G            |
| 13                                               | 5.605G            | 14   | 5.367G            | 15   | 5.691G            | 16   | 5.672G            |
| 17                                               | 5.370G            | 18   | 5.504G            | 19   | 5.488G            | 20   | 5.433G            |
| 21                                               | 5.465G            | 22   | 5.282G            | 23   | 5.266G            | 24   | 5.701G            |
| 25                                               | 5.709G            | 26   | 5.267G            | 27   | 5.445G            | 28   | 5.385G            |
| 29                                               | 5.623G            | 30   | 5.299G            | 31   | 5.419G            | 32   | 5.707G            |
| 33                                               | 5.617G            | 34   | 5.322G            | 35   | 5.498G            | 36   | 5.632G            |
| 37                                               | 5.649G            | 38   | 5.546G            | 39   | 5.446G            | 40   | 5.541G            |
| 41                                               | 5.599G            | 42   | 5.630G            | 43   | 5.256G            | 44   | 5.568G            |
| 45                                               | 5.566G            | 46   | 5.537G            | 47   | 5.534G            | 48   | 5.277G            |
| 49                                               | 5.618G            | 50   | 5.374G            | 51   | 5.455G            | 52   | 5.283G            |
| 53                                               | 5.564G            | 54   | 5.312G            | 55   | 5.693G            | 56   | 5.436G            |
| 57                                               | 5.338G            | 58   | 5.372G            | 59   | 5.272G            | 60   | 5.369G            |
| 61                                               | 5.696G            | 62   | 5.507G            | 63   | 5.695G            | 64   | 5.529G            |
| 65                                               | 5.317G            | 66   | 5.384G            | 67   | 5.297G            | 68   | 5.494G            |
| 69                                               | 5.366G            | 70   | 5.705G            | 71   | 5.300G            | 72   | 5.715G            |
| 73                                               | 5.481G            | 74   | 5.287G            | 75   | 5.698G            | 76   | 5.301G            |
| 77                                               | 5.655G            | 78   | 5.670G            | 79   | 5.264G            | 80   | 5.420G            |
| 81                                               | 5.262G            | 82   | 5.676G            | 83   | 5.683G            | 84   | 5.394G            |
| 85                                               | 5.540G            | 86   | 5.337G            | 87   | 5.326G            | 88   | 5.431G            |
| 89                                               | 5.381G            | 90   | 5.505G            | 91   | 5.515G            | 92   | 5.275G            |
| 93                                               | 5.408G            | 94   | 5.690G            | 95   | 5.306G            | 96   | 5.359G            |
| 97                                               | 5.427G            | 98   | 5.342G            | 99   | 5.356G            | 100  | 5.462G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.600G            | 2    | 5.680G            | 3    | 5.444G            | 4    | 5.459G            |
| 5                                                | 5.718G            | 6    | 5.298G            | 7    | 5.441G            | 8    | 5.605G            |
| 9                                                | 5.622G            | 10   | 5.505G            | 11   | 5.286G            | 12   | 5.634G            |
| 13                                               | 5.683G            | 14   | 5.583G            | 15   | 5.428G            | 16   | 5.667G            |
| 17                                               | 5.570G            | 18   | 5.549G            | 19   | 5.553G            | 20   | 5.353G            |
| 21                                               | 5.602G            | 22   | 5.544G            | 23   | 5.377G            | 24   | 5.341G            |
| 25                                               | 5.677G            | 26   | 5.713G            | 27   | 5.629G            | 28   | 5.321G            |
| 29                                               | 5.483G            | 30   | 5.363G            | 31   | 5.636G            | 32   | 5.504G            |
| 33                                               | 5.595G            | 34   | 5.384G            | 35   | 5.474G            | 36   | 5.625G            |
| 37                                               | 5.269G            | 38   | 5.624G            | 39   | 5.665G            | 40   | 5.375G            |
| 41                                               | 5.712G            | 42   | 5.345G            | 43   | 5.418G            | 44   | 5.457G            |
| 45                                               | 5.311G            | 46   | 5.656G            | 47   | 5.507G            | 48   | 5.429G            |
| 49                                               | 5.440G            | 50   | 5.320G            | 51   | 5.540G            | 52   | 5.477G            |
| 53                                               | 5.411G            | 54   | 5.561G            | 55   | 5.352G            | 56   | 5.317G            |
| 57                                               | 5.497G            | 58   | 5.423G            | 59   | 5.576G            | 60   | 5.367G            |
| 61                                               | 5.509G            | 62   | 5.472G            | 63   | 5.641G            | 64   | 5.597G            |
| 65                                               | 5.559G            | 66   | 5.585G            | 67   | 5.626G            | 68   | 5.336G            |
| 69                                               | 5.271G            | 70   | 5.313G            | 71   | 5.420G            | 72   | 5.448G            |
| 73                                               | 5.443G            | 74   | 5.381G            | 75   | 5.647G            | 76   | 5.431G            |
| 77                                               | 5.370G            | 78   | 5.580G            | 79   | 5.323G            | 80   | 5.548G            |
| 81                                               | 5.430G            | 82   | 5.596G            | 83   | 5.523G            | 84   | 5.530G            |
| 85                                               | 5.560G            | 86   | 5.592G            | 87   | 5.314G            | 88   | 5.422G            |
| 89                                               | 5.607G            | 90   | 5.385G            | 91   | 5.628G            | 92   | 5.421G            |
| 93                                               | 5.463G            | 94   | 5.437G            | 95   | 5.646G            | 96   | 5.648G            |
| 97                                               | 5.536G            | 98   | 5.296G            | 99   | 5.312G            | 100  | 5.409G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.290G            | 2    | 5.317G            | 3    | 5.630G            | 4    | 5.724G            |
| 5                                                | 5.411G            | 6    | 5.700G            | 7    | 5.507G            | 8    | 5.263G            |
| 9                                                | 5.308G            | 10   | 5.568G            | 11   | 5.400G            | 12   | 5.252G            |
| 13                                               | 5.499G            | 14   | 5.570G            | 15   | 5.528G            | 16   | 5.461G            |
| 17                                               | 5.638G            | 18   | 5.399G            | 19   | 5.398G            | 20   | 5.254G            |
| 21                                               | 5.684G            | 22   | 5.616G            | 23   | 5.659G            | 24   | 5.285G            |
| 25                                               | 5.640G            | 26   | 5.647G            | 27   | 5.357G            | 28   | 5.279G            |
| 29                                               | 5.324G            | 30   | 5.323G            | 31   | 5.327G            | 32   | 5.626G            |
| 33                                               | 5.722G            | 34   | 5.345G            | 35   | 5.302G            | 36   | 5.483G            |
| 37                                               | 5.702G            | 38   | 5.384G            | 39   | 5.305G            | 40   | 5.651G            |
| 41                                               | 5.498G            | 42   | 5.693G            | 43   | 5.255G            | 44   | 5.564G            |
| 45                                               | 5.299G            | 46   | 5.482G            | 47   | 5.446G            | 48   | 5.704G            |
| 49                                               | 5.459G            | 50   | 5.582G            | 51   | 5.288G            | 52   | 5.720G            |
| 53                                               | 5.335G            | 54   | 5.286G            | 55   | 5.541G            | 56   | 5.457G            |
| 57                                               | 5.272G            | 58   | 5.365G            | 59   | 5.529G            | 60   | 5.618G            |
| 61                                               | 5.441G            | 62   | 5.581G            | 63   | 5.386G            | 64   | 5.650G            |
| 65                                               | 5.580G            | 66   | 5.612G            | 67   | 5.601G            | 68   | 5.557G            |
| 69                                               | 5.486G            | 70   | 5.608G            | 71   | 5.511G            | 72   | 5.664G            |
| 73                                               | 5.675G            | 74   | 5.525G            | 75   | 5.567G            | 76   | 5.678G            |
| 77                                               | 5.586G            | 78   | 5.336G            | 79   | 5.291G            | 80   | 5.387G            |
| 81                                               | 5.625G            | 82   | 5.356G            | 83   | 5.412G            | 84   | 5.706G            |
| 85                                               | 5.591G            | 86   | 5.688G            | 87   | 5.374G            | 88   | 5.401G            |
| 89                                               | 5.510G            | 90   | 5.624G            | 91   | 5.321G            | 92   | 5.339G            |
| 93                                               | 5.466G            | 94   | 5.475G            | 95   | 5.655G            | 96   | 5.328G            |
| 97                                               | 5.513G            | 98   | 5.686G            | 99   | 5.352G            | 100  | 5.261G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.367G            | 2    | 5.276G            | 3    | 5.659G            | 4    | 5.686G            |
| 5                                                | 5.388G            | 6    | 5.552G            | 7    | 5.452G            | 8    | 5.285G            |
| 9                                                | 5.475G            | 10   | 5.441G            | 11   | 5.514G            | 12   | 5.266G            |
| 13                                               | 5.432G            | 14   | 5.462G            | 15   | 5.545G            | 16   | 5.348G            |
| 17                                               | 5.442G            | 18   | 5.489G            | 19   | 5.271G            | 20   | 5.277G            |
| 21                                               | 5.542G            | 22   | 5.594G            | 23   | 5.411G            | 24   | 5.517G            |
| 25                                               | 5.613G            | 26   | 5.275G            | 27   | 5.426G            | 28   | 5.661G            |
| 29                                               | 5.286G            | 30   | 5.595G            | 31   | 5.645G            | 32   | 5.688G            |
| 33                                               | 5.357G            | 34   | 5.690G            | 35   | 5.543G            | 36   | 5.364G            |
| 37                                               | 5.497G            | 38   | 5.393G            | 39   | 5.435G            | 40   | 5.345G            |
| 41                                               | 5.482G            | 42   | 5.344G            | 43   | 5.570G            | 44   | 5.593G            |
| 45                                               | 5.715G            | 46   | 5.602G            | 47   | 5.548G            | 48   | 5.451G            |
| 49                                               | 5.633G            | 50   | 5.471G            | 51   | 5.605G            | 52   | 5.324G            |
| 53                                               | 5.550G            | 54   | 5.526G            | 55   | 5.445G            | 56   | 5.651G            |
| 57                                               | 5.289G            | 58   | 5.582G            | 59   | 5.535G            | 60   | 5.251G            |
| 61                                               | 5.549G            | 62   | 5.362G            | 63   | 5.527G            | 64   | 5.294G            |
| 65                                               | 5.539G            | 66   | 5.423G            | 67   | 5.268G            | 68   | 5.400G            |
| 69                                               | 5.368G            | 70   | 5.684G            | 71   | 5.553G            | 72   | 5.703G            |
| 73                                               | 5.460G            | 74   | 5.436G            | 75   | 5.448G            | 76   | 5.309G            |
| 77                                               | 5.290G            | 78   | 5.260G            | 79   | 5.444G            | 80   | 5.588G            |
| 81                                               | 5.530G            | 82   | 5.682G            | 83   | 5.418G            | 84   | 5.560G            |
| 85                                               | 5.320G            | 86   | 5.486G            | 87   | 5.404G            | 88   | 5.428G            |
| 89                                               | 5.663G            | 90   | 5.401G            | 91   | 5.580G            | 92   | 5.484G            |
| 93                                               | 5.495G            | 94   | 5.319G            | 95   | 5.267G            | 96   | 5.618G            |
| 97                                               | 5.431G            | 98   | 5.327G            | 99   | 5.252G            | 100  | 5.547G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.280G            | 2    | 5.283G            | 3    | 5.409G            | 4    | 5.651G            |
| 5                                                | 5.340G            | 6    | 5.620G            | 7    | 5.366G            | 8    | 5.353G            |
| 9                                                | 5.501G            | 10   | 5.456G            | 11   | 5.573G            | 12   | 5.583G            |
| 13                                               | 5.375G            | 14   | 5.630G            | 15   | 5.291G            | 16   | 5.333G            |
| 17                                               | 5.477G            | 18   | 5.453G            | 19   | 5.513G            | 20   | 5.510G            |
| 21                                               | 5.445G            | 22   | 5.407G            | 23   | 5.401G            | 24   | 5.671G            |
| 25                                               | 5.523G            | 26   | 5.428G            | 27   | 5.655G            | 28   | 5.603G            |
| 29                                               | 5.650G            | 30   | 5.270G            | 31   | 5.348G            | 32   | 5.367G            |
| 33                                               | 5.564G            | 34   | 5.673G            | 35   | 5.362G            | 36   | 5.378G            |
| 37                                               | 5.528G            | 38   | 5.334G            | 39   | 5.365G            | 40   | 5.568G            |
| 41                                               | 5.341G            | 42   | 5.636G            | 43   | 5.411G            | 44   | 5.549G            |
| 45                                               | 5.394G            | 46   | 5.271G            | 47   | 5.420G            | 48   | 5.724G            |
| 49                                               | 5.467G            | 50   | 5.423G            | 51   | 5.427G            | 52   | 5.580G            |
| 53                                               | 5.611G            | 54   | 5.313G            | 55   | 5.584G            | 56   | 5.553G            |
| 57                                               | 5.396G            | 58   | 5.688G            | 59   | 5.516G            | 60   | 5.433G            |
| 61                                               | 5.487G            | 62   | 5.308G            | 63   | 5.296G            | 64   | 5.338G            |
| 65                                               | 5.666G            | 66   | 5.464G            | 67   | 5.389G            | 68   | 5.421G            |
| 69                                               | 5.721G            | 70   | 5.605G            | 71   | 5.555G            | 72   | 5.447G            |
| 73                                               | 5.455G            | 74   | 5.567G            | 75   | 5.585G            | 76   | 5.656G            |
| 77                                               | 5.469G            | 78   | 5.640G            | 79   | 5.629G            | 80   | 5.424G            |
| 81                                               | 5.481G            | 82   | 5.329G            | 83   | 5.342G            | 84   | 5.610G            |
| 85                                               | 5.710G            | 86   | 5.489G            | 87   | 5.343G            | 88   | 5.442G            |
| 89                                               | 5.692G            | 90   | 5.292G            | 91   | 5.702G            | 92   | 5.601G            |
| 93                                               | 5.491G            | 94   | 5.626G            | 95   | 5.644G            | 96   | 5.641G            |
| 97                                               | 5.406G            | 98   | 5.450G            | 99   | 5.569G            | 100  | 5.690G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.615G            | 2    | 5.657G            | 3    | 5.676G            | 4    | 5.592G            |
| 5                                                | 5.327G            | 6    | 5.300G            | 7    | 5.337G            | 8    | 5.680G            |
| 9                                                | 5.448G            | 10   | 5.690G            | 11   | 5.417G            | 12   | 5.567G            |
| 13                                               | 5.604G            | 14   | 5.694G            | 15   | 5.516G            | 16   | 5.503G            |
| 17                                               | 5.312G            | 18   | 5.598G            | 19   | 5.696G            | 20   | 5.383G            |
| 21                                               | 5.718G            | 22   | 5.475G            | 23   | 5.603G            | 24   | 5.464G            |
| 25                                               | 5.425G            | 26   | 5.677G            | 27   | 5.320G            | 28   | 5.367G            |
| 29                                               | 5.313G            | 30   | 5.436G            | 31   | 5.463G            | 32   | 5.699G            |
| 33                                               | 5.565G            | 34   | 5.371G            | 35   | 5.411G            | 36   | 5.659G            |
| 37                                               | 5.661G            | 38   | 5.649G            | 39   | 5.391G            | 40   | 5.589G            |
| 41                                               | 5.452G            | 42   | 5.410G            | 43   | 5.484G            | 44   | 5.302G            |
| 45                                               | 5.692G            | 46   | 5.270G            | 47   | 5.386G            | 48   | 5.279G            |
| 49                                               | 5.601G            | 50   | 5.513G            | 51   | 5.602G            | 52   | 5.673G            |
| 53                                               | 5.501G            | 54   | 5.557G            | 55   | 5.494G            | 56   | 5.254G            |
| 57                                               | 5.571G            | 58   | 5.264G            | 59   | 5.573G            | 60   | 5.440G            |
| 61                                               | 5.281G            | 62   | 5.423G            | 63   | 5.358G            | 64   | 5.500G            |
| 65                                               | 5.701G            | 66   | 5.525G            | 67   | 5.446G            | 68   | 5.369G            |
| 69                                               | 5.499G            | 70   | 5.582G            | 71   | 5.717G            | 72   | 5.664G            |
| 73                                               | 5.515G            | 74   | 5.514G            | 75   | 5.461G            | 76   | 5.631G            |
| 77                                               | 5.719G            | 78   | 5.606G            | 79   | 5.483G            | 80   | 5.449G            |
| 81                                               | 5.458G            | 82   | 5.447G            | 83   | 5.616G            | 84   | 5.482G            |
| 85                                               | 5.453G            | 86   | 5.263G            | 87   | 5.542G            | 88   | 5.399G            |
| 89                                               | 5.469G            | 90   | 5.275G            | 91   | 5.295G            | 92   | 5.291G            |
| 93                                               | 5.416G            | 94   | 5.444G            | 95   | 5.599G            | 96   | 5.522G            |
| 97                                               | 5.640G            | 98   | 5.632G            | 99   | 5.472G            | 100  | 5.583G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.339G            | 2    | 5.672G            | 3    | 5.594G            | 4    | 5.694G            |
| 5                                                | 5.660G            | 6    | 5.647G            | 7    | 5.656G            | 8    | 5.705G            |
| 9                                                | 5.551G            | 10   | 5.542G            | 11   | 5.295G            | 12   | 5.316G            |
| 13                                               | 5.454G            | 14   | 5.592G            | 15   | 5.582G            | 16   | 5.303G            |
| 17                                               | 5.465G            | 18   | 5.417G            | 19   | 5.512G            | 20   | 5.710G            |
| 21                                               | 5.289G            | 22   | 5.286G            | 23   | 5.277G            | 24   | 5.440G            |
| 25                                               | 5.584G            | 26   | 5.518G            | 27   | 5.505G            | 28   | 5.597G            |
| 29                                               | 5.326G            | 30   | 5.371G            | 31   | 5.374G            | 32   | 5.639G            |
| 33                                               | 5.355G            | 34   | 5.609G            | 35   | 5.618G            | 36   | 5.463G            |
| 37                                               | 5.425G            | 38   | 5.404G            | 39   | 5.711G            | 40   | 5.506G            |
| 41                                               | 5.394G            | 42   | 5.431G            | 43   | 5.703G            | 44   | 5.489G            |
| 45                                               | 5.596G            | 46   | 5.575G            | 47   | 5.515G            | 48   | 5.655G            |
| 49                                               | 5.652G            | 50   | 5.494G            | 51   | 5.358G            | 52   | 5.648G            |
| 53                                               | 5.376G            | 54   | 5.457G            | 55   | 5.279G            | 56   | 5.707G            |
| 57                                               | 5.412G            | 58   | 5.396G            | 59   | 5.319G            | 60   | 5.430G            |
| 61                                               | 5.363G            | 62   | 5.379G            | 63   | 5.544G            | 64   | 5.364G            |
| 65                                               | 5.499G            | 66   | 5.622G            | 67   | 5.476G            | 68   | 5.536G            |
| 69                                               | 5.487G            | 70   | 5.587G            | 71   | 5.452G            | 72   | 5.418G            |
| 73                                               | 5.333G            | 74   | 5.321G            | 75   | 5.528G            | 76   | 5.574G            |
| 77                                               | 5.619G            | 78   | 5.386G            | 79   | 5.633G            | 80   | 5.467G            |
| 81                                               | 5.600G            | 82   | 5.500G            | 83   | 5.504G            | 84   | 5.265G            |
| 85                                               | 5.625G            | 86   | 5.359G            | 87   | 5.485G            | 88   | 5.372G            |
| 89                                               | 5.569G            | 90   | 5.456G            | 91   | 5.573G            | 92   | 5.581G            |
| 93                                               | 5.281G            | 94   | 5.314G            | 95   | 5.721G            | 96   | 5.650G            |
| 97                                               | 5.713G            | 98   | 5.275G            | 99   | 5.686G            | 100  | 5.708G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.452G            | 2    | 5.650G            | 3    | 5.373G            | 4    | 5.568G            |
| 5                                                | 5.602G            | 6    | 5.448G            | 7    | 5.593G            | 8    | 5.367G            |
| 9                                                | 5.529G            | 10   | 5.515G            | 11   | 5.598G            | 12   | 5.338G            |
| 13                                               | 5.380G            | 14   | 5.524G            | 15   | 5.371G            | 16   | 5.401G            |
| 17                                               | 5.522G            | 18   | 5.411G            | 19   | 5.715G            | 20   | 5.590G            |
| 21                                               | 5.300G            | 22   | 5.691G            | 23   | 5.433G            | 24   | 5.430G            |
| 25                                               | 5.670G            | 26   | 5.318G            | 27   | 5.319G            | 28   | 5.333G            |
| 29                                               | 5.260G            | 30   | 5.425G            | 31   | 5.530G            | 32   | 5.708G            |
| 33                                               | 5.722G            | 34   | 5.712G            | 35   | 5.501G            | 36   | 5.654G            |
| 37                                               | 5.485G            | 38   | 5.424G            | 39   | 5.638G            | 40   | 5.445G            |
| 41                                               | 5.564G            | 42   | 5.439G            | 43   | 5.376G            | 44   | 5.442G            |
| 45                                               | 5.619G            | 46   | 5.552G            | 47   | 5.347G            | 48   | 5.408G            |
| 49                                               | 5.316G            | 50   | 5.643G            | 51   | 5.269G            | 52   | 5.484G            |
| 53                                               | 5.687G            | 54   | 5.419G            | 55   | 5.573G            | 56   | 5.473G            |
| 57                                               | 5.327G            | 58   | 5.293G            | 59   | 5.611G            | 60   | 5.475G            |
| 61                                               | 5.537G            | 62   | 5.583G            | 63   | 5.444G            | 64   | 5.661G            |
| 65                                               | 5.551G            | 66   | 5.255G            | 67   | 5.364G            | 68   | 5.349G            |
| 69                                               | 5.574G            | 70   | 5.588G            | 71   | 5.680G            | 72   | 5.497G            |
| 73                                               | 5.585G            | 74   | 5.534G            | 75   | 5.365G            | 76   | 5.721G            |
| 77                                               | 5.469G            | 78   | 5.488G            | 79   | 5.406G            | 80   | 5.348G            |
| 81                                               | 5.504G            | 82   | 5.671G            | 83   | 5.651G            | 84   | 5.375G            |
| 85                                               | 5.286G            | 86   | 5.507G            | 87   | 5.414G            | 88   | 5.519G            |
| 89                                               | 5.684G            | 90   | 5.438G            | 91   | 5.520G            | 92   | 5.265G            |
| 93                                               | 5.404G            | 94   | 5.711G            | 95   | 5.586G            | 96   | 5.657G            |
| 97                                               | 5.302G            | 98   | 5.575G            | 99   | 5.490G            | 100  | 5.464G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.434G            | 2    | 5.680G            | 3    | 5.335G            | 4    | 5.560G            |
| 5                                                | 5.369G            | 6    | 5.305G            | 7    | 5.710G            | 8    | 5.275G            |
| 9                                                | 5.315G            | 10   | 5.475G            | 11   | 5.269G            | 12   | 5.460G            |
| 13                                               | 5.533G            | 14   | 5.627G            | 15   | 5.702G            | 16   | 5.661G            |
| 17                                               | 5.707G            | 18   | 5.356G            | 19   | 5.687G            | 20   | 5.328G            |
| 21                                               | 5.656G            | 22   | 5.563G            | 23   | 5.581G            | 24   | 5.361G            |
| 25                                               | 5.694G            | 26   | 5.468G            | 27   | 5.456G            | 28   | 5.304G            |
| 29                                               | 5.499G            | 30   | 5.255G            | 31   | 5.391G            | 32   | 5.647G            |
| 33                                               | 5.320G            | 34   | 5.653G            | 35   | 5.298G            | 36   | 5.536G            |
| 37                                               | 5.665G            | 38   | 5.268G            | 39   | 5.623G            | 40   | 5.721G            |
| 41                                               | 5.620G            | 42   | 5.611G            | 43   | 5.313G            | 44   | 5.570G            |
| 45                                               | 5.545G            | 46   | 5.716G            | 47   | 5.524G            | 48   | 5.628G            |
| 49                                               | 5.698G            | 50   | 5.558G            | 51   | 5.278G            | 52   | 5.723G            |
| 53                                               | 5.420G            | 54   | 5.359G            | 55   | 5.722G            | 56   | 5.492G            |
| 57                                               | 5.446G            | 58   | 5.354G            | 59   | 5.474G            | 60   | 5.638G            |
| 61                                               | 5.720G            | 62   | 5.618G            | 63   | 5.582G            | 64   | 5.326G            |
| 65                                               | 5.398G            | 66   | 5.410G            | 67   | 5.634G            | 68   | 5.344G            |
| 69                                               | 5.697G            | 70   | 5.253G            | 71   | 5.519G            | 72   | 5.424G            |
| 73                                               | 5.594G            | 74   | 5.286G            | 75   | 5.599G            | 76   | 5.264G            |
| 77                                               | 5.718G            | 78   | 5.576G            | 79   | 5.682G            | 80   | 5.432G            |
| 81                                               | 5.584G            | 82   | 5.462G            | 83   | 5.525G            | 84   | 5.336G            |
| 85                                               | 5.577G            | 86   | 5.459G            | 87   | 5.714G            | 88   | 5.449G            |
| 89                                               | 5.483G            | 90   | 5.490G            | 91   | 5.347G            | 92   | 5.277G            |
| 93                                               | 5.478G            | 94   | 5.292G            | 95   | 5.274G            | 96   | 5.377G            |
| 97                                               | 5.617G            | 98   | 5.367G            | 99   | 5.472G            | 100  | 5.337G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.410G            | 2    | 5.585G            | 3    | 5.609G            | 4    | 5.523G            |
| 5                                                | 5.304G            | 6    | 5.466G            | 7    | 5.262G            | 8    | 5.617G            |
| 9                                                | 5.311G            | 10   | 5.677G            | 11   | 5.590G            | 12   | 5.283G            |
| 13                                               | 5.305G            | 14   | 5.601G            | 15   | 5.404G            | 16   | 5.690G            |
| 17                                               | 5.302G            | 18   | 5.655G            | 19   | 5.668G            | 20   | 5.389G            |
| 21                                               | 5.412G            | 22   | 5.709G            | 23   | 5.286G            | 24   | 5.631G            |
| 25                                               | 5.626G            | 26   | 5.487G            | 27   | 5.257G            | 28   | 5.491G            |
| 29                                               | 5.328G            | 30   | 5.345G            | 31   | 5.651G            | 32   | 5.275G            |
| 33                                               | 5.605G            | 34   | 5.430G            | 35   | 5.588G            | 36   | 5.705G            |
| 37                                               | 5.289G            | 38   | 5.694G            | 39   | 5.365G            | 40   | 5.307G            |
| 41                                               | 5.673G            | 42   | 5.288G            | 43   | 5.458G            | 44   | 5.363G            |
| 45                                               | 5.573G            | 46   | 5.424G            | 47   | 5.654G            | 48   | 5.354G            |
| 49                                               | 5.548G            | 50   | 5.696G            | 51   | 5.440G            | 52   | 5.701G            |
| 53                                               | 5.629G            | 54   | 5.390G            | 55   | 5.334G            | 56   | 5.507G            |
| 57                                               | 5.434G            | 58   | 5.724G            | 59   | 5.485G            | 60   | 5.444G            |
| 61                                               | 5.527G            | 62   | 5.428G            | 63   | 5.360G            | 64   | 5.377G            |
| 65                                               | 5.542G            | 66   | 5.641G            | 67   | 5.423G            | 68   | 5.446G            |
| 69                                               | 5.483G            | 70   | 5.478G            | 71   | 5.537G            | 72   | 5.293G            |
| 73                                               | 5.612G            | 74   | 5.476G            | 75   | 5.445G            | 76   | 5.702G            |
| 77                                               | 5.596G            | 78   | 5.388G            | 79   | 5.544G            | 80   | 5.499G            |
| 81                                               | 5.621G            | 82   | 5.353G            | 83   | 5.402G            | 84   | 5.603G            |
| 85                                               | 5.650G            | 86   | 5.469G            | 87   | 5.327G            | 88   | 5.313G            |
| 89                                               | 5.721G            | 90   | 5.432G            | 91   | 5.646G            | 92   | 5.680G            |
| 93                                               | 5.640G            | 94   | 5.295G            | 95   | 5.606G            | 96   | 5.604G            |
| 97                                               | 5.539G            | 98   | 5.325G            | 99   | 5.468G            | 100  | 5.484G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.631G            | 2    | 5.628G            | 3    | 5.645G            | 4    | 5.347G            |
| 5                                                | 5.591G            | 6    | 5.427G            | 7    | 5.333G            | 8    | 5.692G            |
| 9                                                | 5.441G            | 10   | 5.504G            | 11   | 5.600G            | 12   | 5.551G            |
| 13                                               | 5.271G            | 14   | 5.647G            | 15   | 5.646G            | 16   | 5.406G            |
| 17                                               | 5.613G            | 18   | 5.291G            | 19   | 5.362G            | 20   | 5.394G            |
| 21                                               | 5.470G            | 22   | 5.458G            | 23   | 5.546G            | 24   | 5.563G            |
| 25                                               | 5.318G            | 26   | 5.397G            | 27   | 5.260G            | 28   | 5.636G            |
| 29                                               | 5.576G            | 30   | 5.430G            | 31   | 5.391G            | 32   | 5.460G            |
| 33                                               | 5.361G            | 34   | 5.708G            | 35   | 5.698G            | 36   | 5.544G            |
| 37                                               | 5.258G            | 38   | 5.474G            | 39   | 5.703G            | 40   | 5.416G            |
| 41                                               | 5.657G            | 42   | 5.328G            | 43   | 5.277G            | 44   | 5.617G            |
| 45                                               | 5.449G            | 46   | 5.489G            | 47   | 5.575G            | 48   | 5.268G            |
| 49                                               | 5.294G            | 50   | 5.723G            | 51   | 5.644G            | 52   | 5.590G            |
| 53                                               | 5.256G            | 54   | 5.721G            | 55   | 5.261G            | 56   | 5.259G            |
| 57                                               | 5.514G            | 58   | 5.476G            | 59   | 5.345G            | 60   | 5.459G            |
| 61                                               | 5.462G            | 62   | 5.266G            | 63   | 5.407G            | 64   | 5.488G            |
| 65                                               | 5.286G            | 66   | 5.371G            | 67   | 5.571G            | 68   | 5.556G            |
| 69                                               | 5.588G            | 70   | 5.654G            | 71   | 5.678G            | 72   | 5.354G            |
| 73                                               | 5.472G            | 74   | 5.526G            | 75   | 5.487G            | 76   | 5.468G            |
| 77                                               | 5.508G            | 78   | 5.388G            | 79   | 5.446G            | 80   | 5.520G            |
| 81                                               | 5.418G            | 82   | 5.390G            | 83   | 5.550G            | 84   | 5.482G            |
| 85                                               | 5.337G            | 86   | 5.404G            | 87   | 5.664G            | 88   | 5.465G            |
| 89                                               | 5.598G            | 90   | 5.257G            | 91   | 5.392G            | 92   | 5.516G            |
| 93                                               | 5.448G            | 94   | 5.327G            | 95   | 5.614G            | 96   | 5.594G            |
| 97                                               | 5.633G            | 98   | 5.637G            | 99   | 5.715G            | 100  | 5.329G            |

**For 5470~5725MHz**

**Model:RBR50**

**Annex A.1: The Detailed Radar pattern and Statistical Performance**

**IEEE 802.11ac VHT20**

| Type 1 Radar Statistical Performances |                  |                 |                                   |         |                       |           |
|---------------------------------------|------------------|-----------------|-----------------------------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | Pulse Repetition Frequency Number | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 99               | 1.0u            | 2                                 | 538.0u  | 5491                  | Yes       |
| 2                                     | 95               | 1.0u            | 3                                 | 558.0u  | 5492                  | Yes       |
| 3                                     | 92               | 1.0u            | 4                                 | 578.0u  | 5493                  | Yes       |
| 4                                     | 86               | 1.0u            | 6                                 | 618.0u  | 5494                  | Yes       |
| 5                                     | 83               | 1.0u            | 7                                 | 638.0u  | 5495                  | Yes       |
| 6                                     | 81               | 1.0u            | 8                                 | 658.0u  | 5496                  | Yes       |
| 7                                     | 78               | 1.0u            | 9                                 | 678.0u  | 5497                  | Yes       |
| 8                                     | 76               | 1.0u            | 10                                | 698.0u  | 5498                  | Yes       |
| 9                                     | 74               | 1.0u            | 11                                | 718.0u  | 5499                  | Yes       |
| 10                                    | 67               | 1.0u            | 15                                | 798.0u  | 5500                  | Yes       |
| 11                                    | 63               | 1.0u            | 17                                | 838.0u  | 5501                  | Yes       |
| 12                                    | 62               | 1.0u            | 18                                | 858.0u  | 5502                  | Yes       |
| 13                                    | 61               | 1.0u            | 19                                | 878.0u  | 5503                  | Yes       |
| 14                                    | 59               | 1.0u            | 20                                | 898.0u  | 5504                  | Yes       |
| 15                                    | 58               | 1.0u            | 21                                | 918.0u  | 5505                  | Yes       |
| 16                                    | 66               | 1.0u            | -                                 | 801.0u  | 5506                  | Yes       |
| 17                                    | 59               | 1.0u            | -                                 | 901.0u  | 5507                  | Yes       |
| 18                                    | 63               | 1.0u            | -                                 | 841.0u  | 5508                  | Yes       |
| 19                                    | 39               | 1.0u            | -                                 | 1.365m  | 5509                  | Yes       |
| 20                                    | 69               | 1.0u            | -                                 | 769.0u  | 5507                  | Yes       |
| 21                                    | 63               | 1.0u            | -                                 | 849.0u  | 5505                  | Yes       |
| 22                                    | 57               | 1.0u            | -                                 | 929.0u  | 5503                  | Yes       |
| 23                                    | 56               | 1.0u            | -                                 | 949.0u  | 5502                  | Yes       |
| 24                                    | 69               | 1.0u            | -                                 | 775.0u  | 5500                  | Yes       |
| 25                                    | 65               | 1.0u            | -                                 | 815.0u  | 5498                  | Yes       |
| 26                                    | 61               | 1.0u            | -                                 | 875.0u  | 5496                  | Yes       |
| 27                                    | 59               | 1.0u            | -                                 | 895.0u  | 5494                  | Yes       |
| 28                                    | 58               | 1.0u            | -                                 | 915.0u  | 5493                  | Yes       |
| 29                                    | 57               | 1.0u            | -                                 | 935.0u  | 5492                  | Yes       |
| 30                                    | 19               | 1.0u            | -                                 | 2.853m  | 5491                  | Yes       |
| Detection Rate: 100.0 %               |                  |                 |                                   |         |                       |           |

| Type 2 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 23               | 2.3u            | 222.0u  | 5491                  | Yes       |
| 2                                     | 28               | 1.8u            | 204.0u  | 5492                  | Yes       |
| 3                                     | 26               | 1.6u            | 225.0u  | 5493                  | Yes       |
| 4                                     | 27               | 3.8u            | 168.0u  | 5494                  | Yes       |
| 5                                     | 27               | 1.1u            | 227.0u  | 5495                  | Yes       |
| 6                                     | 27               | 2.6u            | 166.0u  | 5496                  | Yes       |
| 7                                     | 24               | 4.7u            | 161.0u  | 5497                  | Yes       |
| 8                                     | 28               | 1.9u            | 180.0u  | 5498                  | Yes       |
| 9                                     | 29               | 1.3u            | 176.0u  | 5499                  | Yes       |
| 10                                    | 23               | 1.8u            | 170.0u  | 5500                  | No        |
| 11                                    | 29               | 1.4u            | 195.0u  | 5501                  | Yes       |
| 12                                    | 25               | 3.4u            | 228.0u  | 5502                  | Yes       |
| 13                                    | 26               | 2.3u            | 206.0u  | 5503                  | Yes       |
| 14                                    | 27               | 4.5u            | 189.0u  | 5504                  | Yes       |
| 15                                    | 25               | 3.9u            | 194.0u  | 5505                  | Yes       |
| 16                                    | 25               | 3.0u            | 154.0u  | 5506                  | Yes       |
| 17                                    | 23               | 3.6u            | 182.0u  | 5507                  | Yes       |
| 18                                    | 26               | 3.4u            | 160.0u  | 5508                  | Yes       |
| 19                                    | 25               | 3.3u            | 229.0u  | 5509                  | Yes       |
| 20                                    | 23               | 1.9u            | 151.0u  | 5507                  | No        |
| 21                                    | 25               | 1.8u            | 184.0u  | 5505                  | Yes       |
| 22                                    | 28               | 2.3u            | 229.0u  | 5503                  | Yes       |
| 23                                    | 29               | 1.1u            | 210.0u  | 5502                  | Yes       |
| 24                                    | 26               | 2.2u            | 203.0u  | 5500                  | Yes       |
| 25                                    | 25               | 2.9u            | 222.0u  | 5498                  | Yes       |
| 26                                    | 28               | 1.4u            | 220.0u  | 5496                  | Yes       |
| 27                                    | 26               | 1.8u            | 155.0u  | 5494                  | Yes       |
| 28                                    | 29               | 3.4u            | 155.0u  | 5493                  | Yes       |
| 29                                    | 28               | 3.1u            | 204.0u  | 5492                  | Yes       |
| 30                                    | 26               | 4.4u            | 176.0u  | 5491                  | Yes       |
| Detection Rate: 93.3 %                |                  |                 |         |                       |           |

| Type 3 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 18               | 7.8u            | 292.0u  | 5491                  | Yes       |
| 2                                     | 18               | 7.0u            | 366.0u  | 5492                  | Yes       |
| 3                                     | 18               | 9.2u            | 486.0u  | 5493                  | Yes       |
| 4                                     | 17               | 6.8u            | 216.0u  | 5494                  | Yes       |
| 5                                     | 18               | 7.3u            | 446.0u  | 5495                  | No        |
| 6                                     | 16               | 6.6u            | 208.0u  | 5496                  | Yes       |
| 7                                     | 17               | 6.8u            | 347.0u  | 5497                  | Yes       |
| 8                                     | 17               | 9.6u            | 232.0u  | 5498                  | No        |
| 9                                     | 17               | 6.2u            | 364.0u  | 5499                  | Yes       |
| 10                                    | 16               | 7.1u            | 407.0u  | 5500                  | Yes       |
| 11                                    | 18               | 6.6u            | 458.0u  | 5501                  | Yes       |
| 12                                    | 17               | 9.1u            | 226.0u  | 5502                  | Yes       |
| 13                                    | 16               | 6.9u            | 297.0u  | 5503                  | No        |
| 14                                    | 18               | 9.8u            | 463.0u  | 5504                  | Yes       |
| 15                                    | 17               | 6.1u            | 329.0u  | 5505                  | Yes       |
| 16                                    | 17               | 10.0u           | 333.0u  | 5506                  | Yes       |
| 17                                    | 18               | 8.5u            | 399.0u  | 5507                  | Yes       |
| 18                                    | 17               | 8.7u            | 316.0u  | 5508                  | Yes       |
| 19                                    | 16               | 9.9u            | 402.0u  | 5509                  | Yes       |
| 20                                    | 17               | 6.9u            | 446.0u  | 5507                  | Yes       |
| 21                                    | 16               | 6.6u            | 451.0u  | 5505                  | Yes       |
| 22                                    | 16               | 8.2u            | 272.0u  | 5503                  | Yes       |
| 23                                    | 17               | 8.5u            | 395.0u  | 5502                  | Yes       |
| 24                                    | 17               | 8.4u            | 379.0u  | 5500                  | Yes       |
| 25                                    | 16               | 7.4u            | 292.0u  | 5498                  | No        |
| 26                                    | 16               | 9.8u            | 489.0u  | 5496                  | Yes       |
| 27                                    | 17               | 7.7u            | 375.0u  | 5494                  | Yes       |
| 28                                    | 16               | 7.7u            | 297.0u  | 5493                  | Yes       |
| 29                                    | 18               | 9.2u            | 347.0u  | 5492                  | Yes       |
| 30                                    | 16               | 6.9u            | 415.0u  | 5491                  | Yes       |
| Detection Rate: 86.7 %                |                  |                 |         |                       |           |

| Type 4 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 14               | 18.2u           | 402.0u  | 5491                  | Yes       |
| 2                                     | 13               | 14.5u           | 226.0u  | 5492                  | No        |
| 3                                     | 15               | 13.7u           | 340.0u  | 5493                  | Yes       |
| 4                                     | 16               | 12.2u           | 469.0u  | 5494                  | Yes       |
| 5                                     | 12               | 14.6u           | 220.0u  | 5495                  | Yes       |
| 6                                     | 15               | 17.0u           | 370.0u  | 5496                  | Yes       |
| 7                                     | 15               | 11.4u           | 458.0u  | 5497                  | No        |
| 8                                     | 13               | 11.6u           | 487.0u  | 5498                  | Yes       |
| 9                                     | 16               | 16.2u           | 202.0u  | 5499                  | No        |
| 10                                    | 15               | 19.8u           | 363.0u  | 5500                  | Yes       |
| 11                                    | 14               | 11.8u           | 424.0u  | 5501                  | Yes       |
| 12                                    | 14               | 18.0u           | 407.0u  | 5502                  | No        |
| 13                                    | 16               | 17.8u           | 256.0u  | 5503                  | Yes       |
| 14                                    | 16               | 13.1u           | 420.0u  | 5504                  | Yes       |
| 15                                    | 13               | 18.6u           | 243.0u  | 5505                  | Yes       |
| 16                                    | 14               | 13.4u           | 284.0u  | 5506                  | Yes       |
| 17                                    | 12               | 17.7u           | 410.0u  | 5507                  | Yes       |
| 18                                    | 15               | 19.3u           | 234.0u  | 5508                  | No        |
| 19                                    | 14               | 11.9u           | 411.0u  | 5509                  | Yes       |
| 20                                    | 16               | 13.4u           | 420.0u  | 5507                  | Yes       |
| 21                                    | 14               | 19.2u           | 235.0u  | 5505                  | Yes       |
| 22                                    | 14               | 15.2u           | 406.0u  | 5503                  | Yes       |
| 23                                    | 15               | 18.7u           | 408.0u  | 5502                  | Yes       |
| 24                                    | 13               | 16.1u           | 366.0u  | 5500                  | Yes       |
| 25                                    | 13               | 11.3u           | 369.0u  | 5498                  | Yes       |
| 26                                    | 14               | 17.1u           | 284.0u  | 5496                  | Yes       |
| 27                                    | 13               | 13.5u           | 495.0u  | 5494                  | Yes       |
| 28                                    | 15               | 16.8u           | 424.0u  | 5493                  | Yes       |
| 29                                    | 14               | 16.3u           | 322.0u  | 5492                  | Yes       |
| 30                                    | 13               | 13.0u           | 314.0u  | 5491                  | No        |
| Detection Rate: 80.0 %                |                  |                 |         |                       |           |

| Type 5 Radar Statistical Performances |                  |                        |
|---------------------------------------|------------------|------------------------|
| Trial #                               | Test Signal Name | Detection              |
| 1                                     | LP_Signal_01     | Yes                    |
| 2                                     | LP_Signal_02     | Yes                    |
| 3                                     | LP_Signal_03     | Yes                    |
| 4                                     | LP_Signal_04     | Yes                    |
| 5                                     | LP_Signal_05     | Yes                    |
| 6                                     | LP_Signal_06     | Yes                    |
| 7                                     | LP_Signal_07     | Yes                    |
| 8                                     | LP_Signal_08     | Yes                    |
| 9                                     | LP_Signal_09     | No                     |
| 10                                    | LP_Signal_10     | Yes                    |
| 11                                    | LP_Signal_11     | Yes                    |
| 12                                    | LP_Signal_12     | Yes                    |
| 13                                    | LP_Signal_13     | Yes                    |
| 14                                    | LP_Signal_14     | Yes                    |
| 15                                    | LP_Signal_15     | Yes                    |
| 16                                    | LP_Signal_16     | No                     |
| 17                                    | LP_Signal_17     | Yes                    |
| 18                                    | LP_Signal_18     | No                     |
| 19                                    | LP_Signal_19     | Yes                    |
| 20                                    | LP_Signal_20     | Yes                    |
| 21                                    | LP_Signal_21     | Yes                    |
| 22                                    | LP_Signal_22     | Yes                    |
| 23                                    | LP_Signal_23     | Yes                    |
| 24                                    | LP_Signal_24     | Yes                    |
| 25                                    | LP_Signal_25     | Yes                    |
| 26                                    | LP_Signal_26     | Yes                    |
| 27                                    | LP_Signal_27     | No                     |
| 28                                    | LP_Signal_28     | Yes                    |
| 29                                    | LP_Signal_29     | Yes                    |
| 30                                    | LP_Signal_30     | Yes                    |
|                                       |                  | Detection Rate: 86.7 % |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_01  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5491MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 5M            | 59.2u              | -                           | -                           | 243.0m                |
| 2                               | 2                   | 5M            | 94.5u              | 1.834m                      | -                           | 299.3m                |
| 3                               | 2                   | 5M            | 95.4u              | 1.641m                      | -                           | 566.0m                |
| 4                               | 3                   | 5M            | 59.5u              | 1.313m                      | 1.332m                      | 354.8m                |
| 5                               | 2                   | 5M            | 62.1u              | 1.158m                      | -                           | 618.4m                |
| 6                               | 3                   | 5M            | 73.9u              | 1.671m                      | 1.534m                      | 629.7m                |
| 7                               | 2                   | 5M            | 50.4u              | 1.155m                      | -                           | 384.7m                |
| 8                               | 3                   | 5M            | 62.7u              | 1.675m                      | 1.571m                      | 94.54m                |
| 9                               | 1                   | 5M            | 52.4u              | -                           | -                           | 45.93m                |
| 10                              | 3                   | 5M            | 55.9u              | 1.743m                      | 1.537m                      | 37.45m                |
| 11                              | 2                   | 5M            | 62.1u              | 1.725m                      | -                           | 173.9m                |
| 12                              | 3                   | 5M            | 65.1u              | 1.567m                      | 1.369m                      | 549.6m                |
| 13                              | 3                   | 5M            | 80.3u              | 1.548m                      | 1.117m                      | 530.8m                |
| 14                              | 2                   | 5M            | 85.5u              | 1.063m                      | -                           | 265.8m                |
| 15                              | 3                   | 5M            | 54.7u              | 1.134m                      | 1.657m                      | 49.43m                |
| 16                              | 2                   | 5M            | 85.8u              | 1.450m                      | -                           | 382.0m                |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_02

Number of Bursts in Trial: 11

Chrip Center Frequency: 5491MHz

| Burst | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
|-------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| 1     | 3                   | 5M            | 77.4u              | 928.6u                      | 1.433m                      | 748.0m                |
| 2     | 2                   | 5M            | 76.8u              | 1.792m                      | -                           | 106.4m                |
| 3     | 2                   | 5M            | 80.6u              | 1.265m                      | -                           | 687.9m                |
| 4     | 3                   | 5M            | 91.4u              | 1.357m                      | 1.842m                      | 327.9m                |
| 5     | 3                   | 5M            | 90.0u              | 1.712m                      | 1.217m                      | 846.9m                |
| 6     | 2                   | 5M            | 64.2u              | 1.792m                      | -                           | 764.9m                |
| 7     | 2                   | 5M            | 97.3u              | 1.153m                      | -                           | 266.8m                |
| 8     | 2                   | 5M            | 52.9u              | 952.1u                      | -                           | 132.9m                |
| 9     | 3                   | 5M            | 95.0u              | 1.657m                      | 1.029m                      | 423.4m                |
| 10    | 2                   | 5M            | 87.7u              | 1.304m                      | -                           | 303.7m                |
| 11    | 3                   | 5M            | 69.8u              | 1.737m                      | 1.511m                      | 612.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_03  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5491MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 6M            | 58.3u              | 1.169m                      | 1.228m                      | 212.0m                |
| 2                               | 1                   | 6M            | 67.9u              | -                           | -                           | 683.3m                |
| 3                               | 2                   | 6M            | 76.5u              | 1.176m                      | -                           | 683.9m                |
| 4                               | 2                   | 6M            | 54.8u              | 1.298m                      | -                           | 490.2m                |
| 5                               | 3                   | 6M            | 79.2u              | 1.024m                      | 1.835m                      | 160.4m                |
| 6                               | 2                   | 6M            | 89.3u              | 1.805m                      | -                           | 653.3m                |
| 7                               | 1                   | 6M            | 77.2u              | -                           | -                           | 73.40m                |
| 8                               | 3                   | 6M            | 89.4u              | 1.249m                      | 1.228m                      | 589.4m                |
| 9                               | 3                   | 6M            | 97.7u              | 1.549m                      | 1.052m                      | 484.7m                |
| 10                              | 3                   | 6M            | 99.5u              | 1.824m                      | 1.045m                      | 490.8m                |
| 11                              | 2                   | 6M            | 62.4u              | 1.758m                      | -                           | 48.28m                |
| 12                              | 2                   | 6M            | 99.1u              | 1.202m                      | -                           | 270.9m                |
| 13                              | 3                   | 6M            | 92.6u              | 1.079m                      | 1.569m                      | 227.5m                |
| 14                              | 2                   | 6M            | 87.4u              | 1.359m                      | -                           | 577.4m                |
| 15                              | 1                   | 6M            | 81.1u              | -                           | -                           | 371.3m                |
| 16                              | 3                   | 6M            | 50.5u              | 1.117m                      | 996.5u                      | 19.19m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_04  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 15   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5491MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 6M            | 68.7u              | -                           | -                           | 13.44m                |
| 2                               | 1                   | 6M            | 92.8u              | -                           | -                           | 618.8m                |
| 3                               | 2                   | 6M            | 73.7u              | 1.459m                      | -                           | 424.4m                |
| 4                               | 2                   | 6M            | 97.6u              | 1.294m                      | -                           | 736.2m                |
| 5                               | 1                   | 6M            | 93.2u              | -                           | -                           | 795.7m                |
| 6                               | 2                   | 6M            | 97.1u              | 1.871m                      | -                           | 787.0m                |
| 7                               | 2                   | 6M            | 89.4u              | 948.6u                      | -                           | 601.5m                |
| 8                               | 2                   | 6M            | 92.5u              | 922.5u                      | -                           | 499.5m                |
| 9                               | 2                   | 6M            | 94.8u              | 1.066m                      | -                           | 562.5m                |
| 10                              | 2                   | 6M            | 78.1u              | 1.629m                      | -                           | 68.89m                |
| 11                              | 1                   | 6M            | 88.1u              | -                           | -                           | 749.7m                |
| 12                              | 3                   | 6M            | 98.0u              | 1.708m                      | 999.0u                      | 541.0m                |
| 13                              | 2                   | 6M            | 74.6u              | 1.001m                      | -                           | 9.908m                |
| 14                              | 1                   | 6M            | 80.3u              | -                           | -                           | 107.8m                |
| 15                              | 1                   | 6M            | 66.7u              | -                           | -                           | 643.2m                |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_05  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 10   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5492MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 2                | 7M         | 55.6u           | 1.308m                   | -                        | 946.0m             |
| 2                               | 2                | 7M         | 90.3u           | 1.109m                   | -                        | 586.0m             |
| 3                               | 3                | 7M         | 75.1u           | 1.179m                   | 1.124m                   | 427.1m             |
| 4                               | 3                | 7M         | 86.1u           | 1.371m                   | 1.270m                   | 375.9m             |
| 5                               | 2                | 7M         | 89.1u           | 1.058m                   | -                        | 615.5m             |
| 6                               | 2                | 7M         | 76.9u           | 1.774m                   | -                        | 247.3m             |
| 7                               | 2                | 7M         | 64.3u           | 1.929m                   | -                        | 1.055              |
| 8                               | 3                | 7M         | 61.7u           | 1.387m                   | 1.721m                   | 167.4m             |
| 9                               | 2                | 7M         | 95.7u           | 1.831m                   | -                        | 305.4m             |
| 10                              | 3                | 7M         | 84.7u           | 1.764m                   | 1.195m                   | 294.9m             |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_06  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 14   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5492MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 3                | 7M         | 61.1u           | 1.316m                   | 1.353m                   | 376.4m             |
| 2                               | 2                | 7M         | 69.8u           | 1.577m                   | -                        | 775.8m             |
| 3                               | 3                | 7M         | 83.7u           | 1.741m                   | 1.014m                   | 812.2m             |
| 4                               | 3                | 7M         | 93.6u           | 933.4u                   | 990.4u                   | 456.3m             |
| 5                               | 1                | 7M         | 88.6u           | -                        | -                        | 210.5m             |
| 6                               | 1                | 7M         | 71.2u           | -                        | -                        | 415.3m             |
| 7                               | 2                | 7M         | 64.3u           | 1.046m                   | -                        | 215.6m             |
| 8                               | 1                | 7M         | 67.5u           | -                        | -                        | 630.2m             |
| 9                               | 1                | 7M         | 66.7u           | -                        | -                        | 332.1m             |
| 10                              | 1                | 7M         | 73.9u           | -                        | -                        | 254.5m             |
| 11                              | 2                | 7M         | 68.8u           | 1.006m                   | -                        | 808.5m             |
| 12                              | 2                | 7M         | 51.4u           | 1.834m                   | -                        | 352.5m             |
| 13                              | 2                | 7M         | 60.3u           | 1.317m                   | -                        | 643.1m             |
| 14                              | 1                | 7M         | 84.8u           | -                        | -                        | 743.2m             |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_07  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 13   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5495MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 1                | 15M        | 58.8u           | -                        | -                        | 24.59m             |
| 2                               | 2                | 15M        | 70.7u           | 1.396m                   | -                        | 679.2m             |
| 3                               | 2                | 15M        | 73.6u           | 1.819m                   | -                        | 117.6m             |
| 4                               | 2                | 15M        | 61.6u           | 1.469m                   | -                        | 619.5m             |
| 5                               | 2                | 15M        | 94.1u           | 1.818m                   | -                        | 334.8m             |
| 6                               | 2                | 15M        | 75.1u           | 1.779m                   | -                        | 356.5m             |
| 7                               | 2                | 15M        | 72.8u           | 1.892m                   | -                        | 109.8m             |
| 8                               | 1                | 15M        | 60.6u           | -                        | -                        | 347.6m             |
| 9                               | 1                | 15M        | 78.3u           | -                        | -                        | 296.3m             |
| 10                              | 1                | 15M        | 92.8u           | -                        | -                        | 611.0m             |
| 11                              | 2                | 15M        | 87.0u           | 1.901m                   | -                        | 64.79m             |
| 12                              | 2                | 15M        | 98.1u           | 1.888m                   | -                        | 304.4m             |
| 13                              | 2                | 15M        | 53.2u           | 1.031m                   | -                        | 667.8m             |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_08  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 8    |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5495MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 3                | 15M        | 86.3u           | 1.743m                   | 985.7u                   | 297.0m             |
| 2                               | 1                | 15M        | 66.0u           | -                        | -                        | 1.473              |
| 3                               | 3                | 15M        | 67.9u           | 1.531m                   | 1.717m                   | 438.4m             |
| 4                               | 3                | 15M        | 86.6u           | 1.433m                   | 1.491m                   | 650.2m             |
| 5                               | 2                | 15M        | 59.3u           | 1.648m                   | -                        | 773.9m             |
| 6                               | 2                | 15M        | 60.7u           | 1.384m                   | -                        | 278.3m             |
| 7                               | 2                | 15M        | 58.5u           | 1.114m                   | -                        | 1.321              |
| 8                               | 2                | 15M        | 88.9u           | 920.1u                   | -                        | 360.9m             |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_09  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5497MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 80.2u              | 1.739m                      | -                           | 720.6m                |
| 2                               | 3                   | 20M           | 50.1u              | 1.816m                      | 1.933m                      | 558.9m                |
| 3                               | 1                   | 20M           | 96.2u              | -                           | -                           | 211.8m                |
| 4                               | 3                   | 20M           | 72.6u              | 1.275m                      | 1.410m                      | 628.1m                |
| 5                               | 2                   | 20M           | 92.6u              | 1.262m                      | -                           | 295.1m                |
| 6                               | 2                   | 20M           | 70.1u              | 1.814m                      | -                           | 404.0m                |
| 7                               | 2                   | 20M           | 96.2u              | 1.463m                      | -                           | 89.45m                |
| 8                               | 2                   | 20M           | 78.6u              | 1.436m                      | -                           | 275.4m                |
| 9                               | 2                   | 20M           | 85.9u              | 1.077m                      | -                           | 726.5m                |
| 10                              | 3                   | 20M           | 86.3u              | 1.689m                      | 1.395m                      | 279.8m                |
| 11                              | 1                   | 20M           | 88.0u              | -                           | -                           | 142.6m                |
| 12                              | 3                   | 20M           | 58.3u              | 1.051m                      | 995.7u                      | 248.6m                |
| 13                              | 2                   | 20M           | 95.3u              | 1.642m                      | -                           | 392.4m                |
| 14                              | 3                   | 20M           | 93.1u              | 1.100m                      | 1.481m                      | 639.1m                |
| 15                              | 1                   | 20M           | 96.7u              | -                           | -                           | 614.9m                |
| 16                              | 2                   | 20M           | 67.1u              | 1.370m                      | -                           | 471.2m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_10  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5497MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 98.6u              | 1.198m                      | -                           | 344.9m                |
| 2                               | 2                   | 20M           | 57.6u              | 961.4u                      | -                           | 641.7m                |
| 3                               | 1                   | 20M           | 56.4u              | -                           | -                           | 308.8m                |
| 4                               | 1                   | 20M           | 81.4u              | -                           | -                           | 180.2m                |
| 5                               | 1                   | 20M           | 61.8u              | -                           | -                           | 297.7m                |
| 6                               | 2                   | 20M           | 90.4u              | 1.563m                      | -                           | 282.9m                |
| 7                               | 3                   | 20M           | 68.8u              | 1.515m                      | 1.370m                      | 37.46m                |
| 8                               | 1                   | 20M           | 73.9u              | -                           | -                           | 475.8m                |
| 9                               | 2                   | 20M           | 68.4u              | 1.684m                      | -                           | 117.5m                |
| 10                              | 3                   | 20M           | 95.4u              | 1.490m                      | 1.735m                      | 155.9m                |
| 11                              | 1                   | 20M           | 70.9u              | -                           | -                           | 253.8m                |
| 12                              | 1                   | 20M           | 94.7u              | -                           | -                           | 356.0m                |
| 13                              | 3                   | 20M           | 76.9u              | 1.750m                      | 1.203m                      | 56.37m                |
| 14                              | 3                   | 20M           | 80.6u              | 1.024m                      | 1.881m                      | 588.3m                |
| 15                              | 2                   | 20M           | 87.2u              | 1.015m                      | -                           | 223.6m                |
| 16                              | 2                   | 20M           | 85.9u              | 1.898m                      | -                           | 380.5m                |
| 17                              | 1                   | 20M           | 62.9u              | -                           | -                           | 127.1m                |
| 18                              | 2                   | 20M           | 96.3u              | 1.532m                      | -                           | 541.3m                |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_11  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5500MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 6M            | 74.4u              | -                           | -                           | 870.4m                |
| 2                               | 2                   | 6M            | 73.0u              | 1.799m                      | -                           | 254.4m                |
| 3                               | 1                   | 6M            | 69.1u              | -                           | -                           | 695.0m                |
| 4                               | 2                   | 6M            | 80.4u              | 1.729m                      | -                           | 818.0m                |
| 5                               | 2                   | 6M            | 80.1u              | 1.222m                      | -                           | 775.0m                |
| 6                               | 3                   | 6M            | 61.6u              | 1.022m                      | 1.568m                      | 773.7m                |
| 7                               | 2                   | 6M            | 72.5u              | 1.562m                      | -                           | 260.7m                |
| 8                               | 3                   | 6M            | 69.9u              | 1.863m                      | 1.712m                      | 187.4m                |
| 9                               | 2                   | 6M            | 98.9u              | 1.750m                      | -                           | 407.2m                |
| 10                              | 1                   | 6M            | 86.5u              | -                           | -                           | 242.1m                |
| 11                              | 2                   | 6M            | 67.5u              | 1.178m                      | -                           | 608.3m                |
| 12                              | 3                   | 6M            | 85.8u              | 1.665m                      | 1.754m                      | 944.7m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_12  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5500MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 6M            | 63.2u              | -                           | -                           | 639.7m                |
| 2                               | 3                   | 6M            | 51.2u              | 1.477m                      | 1.835m                      | 678.8m                |
| 3                               | 3                   | 6M            | 64.0u              | 1.440m                      | 1.154m                      | 534.7m                |
| 4                               | 2                   | 6M            | 70.2u              | 1.135m                      | -                           | 1.023                 |
| 5                               | 2                   | 6M            | 82.2u              | 1.368m                      | -                           | 565.5m                |
| 6                               | 2                   | 6M            | 90.8u              | 1.524m                      | -                           | 59.60m                |
| 7                               | 2                   | 6M            | 61.5u              | 985.5u                      | -                           | 1.004                 |
| 8                               | 1                   | 6M            | 52.3u              | -                           | -                           | 775.3m                |
| 9                               | 3                   | 6M            | 75.8u              | 1.274m                      | 1.399m                      | 123.2m                |
| 10                              | 1                   | 6M            | 83.4u              | -                           | -                           | 1.109                 |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_13  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 8    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5500MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 11M           | 84.4u              | 1.421m                      | -                           | 801.3m                |
| 2                               | 3                   | 11M           | 70.4u              | 1.837m                      | 1.413m                      | 694.8m                |
| 3                               | 1                   | 11M           | 56.8u              | -                           | -                           | 852.3m                |
| 4                               | 2                   | 11M           | 88.3u              | 1.609m                      | -                           | 214.6m                |
| 5                               | 3                   | 11M           | 63.4u              | 1.206m                      | 1.734m                      | 788.8m                |
| 6                               | 3                   | 11M           | 66.9u              | 942.1u                      | 1.551m                      | 502.0m                |
| 7                               | 3                   | 11M           | 67.8u              | 938.2u                      | 1.580m                      | 404.8m                |
| 8                               | 2                   | 11M           | 68.5u              | 1.233m                      | -                           | 191.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_14  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5500MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 11M           | 83.2u              | -                           | -                           | 45.94m                |
| 2                               | 2                   | 11M           | 64.2u              | 1.124m                      | -                           | 371.8m                |
| 3                               | 2                   | 11M           | 93.6u              | 1.066m                      | -                           | 35.45m                |
| 4                               | 2                   | 11M           | 81.4u              | 1.900m                      | -                           | 379.4m                |
| 5                               | 2                   | 11M           | 72.5u              | 1.373m                      | -                           | 425.9m                |
| 6                               | 2                   | 11M           | 63.2u              | 1.827m                      | -                           | 395.1m                |
| 7                               | 3                   | 11M           | 78.0u              | 1.366m                      | 1.019m                      | 157.6m                |
| 8                               | 1                   | 11M           | 70.4u              | -                           | -                           | 237.3m                |
| 9                               | 3                   | 11M           | 62.4u              | 1.269m                      | 1.701m                      | 582.7m                |
| 10                              | 1                   | 11M           | 85.8u              | -                           | -                           | 223.0m                |
| 11                              | 3                   | 11M           | 57.4u              | 1.075m                      | 1.909m                      | 626.8m                |
| 12                              | 2                   | 11M           | 66.5u              | 1.637m                      | -                           | 578.6m                |
| 13                              | 3                   | 11M           | 52.8u              | 1.165m                      | 1.623m                      | 626.6m                |
| 14                              | 3                   | 11M           | 51.0u              | 1.021m                      | 1.068m                      | 482.0m                |
| 15                              | 1                   | 11M           | 52.0u              | -                           | -                           | 471.8m                |
| 16                              | 2                   | 11M           | 72.0u              | 1.694m                      | -                           | 284.8m                |
| 17                              | 2                   | 11M           | 58.9u              | 1.920m                      | -                           | 155.7m                |
| 18                              | 3                   | 11M           | 84.2u              | 1.879m                      | 1.077m                      | 352.7m                |
| 19                              | 2                   | 11M           | 51.5u              | 1.504m                      | -                           | 605.5m                |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_15

Number of Bursts in Trial: 11

Chrip Center Frequency: 5500MHz

| Burst | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
|-------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| 1     | 2                   | 16M           | 60.9u              | 1.685m                      | -                           | 1.030                 |
| 2     | 2                   | 16M           | 86.8u              | 1.363m                      | -                           | 1.069                 |
| 3     | 2                   | 16M           | 95.4u              | 1.521m                      | -                           | 296.1m                |
| 4     | 3                   | 16M           | 73.5u              | 1.628m                      | 1.226m                      | 377.5m                |
| 5     | 2                   | 16M           | 67.5u              | 1.036m                      | -                           | 644.9m                |
| 6     | 3                   | 16M           | 65.5u              | 1.798m                      | 1.561m                      | 766.1m                |
| 7     | 3                   | 16M           | 95.9u              | 1.094m                      | 1.242m                      | 537.2m                |
| 8     | 2                   | 16M           | 96.2u              | 1.578m                      | -                           | 172.3m                |
| 9     | 2                   | 16M           | 90.4u              | 1.274m                      | -                           | 256.1m                |
| 10    | 2                   | 16M           | 90.1u              | 1.319m                      | -                           | 842.4m                |
| 11    | 2                   | 16M           | 59.3u              | 1.600m                      | -                           | 728.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_16  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5500MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 16M           | 53.9u              | -                           | -                           | 653.0m                |
| 2                               | 3                   | 16M           | 87.4u              | 1.140m                      | 1.207m                      | 109.0m                |
| 3                               | 2                   | 16M           | 56.0u              | 1.104m                      | -                           | 462.3m                |
| 4                               | 2                   | 16M           | 62.5u              | 1.625m                      | -                           | 704.3m                |
| 5                               | 2                   | 16M           | 66.7u              | 1.202m                      | -                           | 296.4m                |
| 6                               | 2                   | 16M           | 65.6u              | 1.571m                      | -                           | 169.5m                |
| 7                               | 2                   | 16M           | 65.2u              | 1.889m                      | -                           | 703.7m                |
| 8                               | 1                   | 16M           | 67.4u              | -                           | -                           | 78.58m                |
| 9                               | 3                   | 16M           | 70.1u              | 1.820m                      | 1.460m                      | 419.9m                |
| 10                              | 2                   | 16M           | 62.3u              | 1.636m                      | -                           | 7.821m                |
| 11                              | 3                   | 16M           | 79.8u              | 1.442m                      | 1.551m                      | 384.2m                |
| 12                              | 1                   | 16M           | 81.4u              | -                           | -                           | 378.9m                |
| 13                              | 2                   | 16M           | 75.0u              | 1.336m                      | -                           | 742.0m                |
| 14                              | 2                   | 16M           | 74.3u              | 1.487m                      | -                           | 726.4m                |
| 15                              | 3                   | 16M           | 88.8u              | 1.772m                      | 1.153m                      | 168.4m                |
| 16                              | 3                   | 16M           | 67.7u              | 1.248m                      | 1.211m                      | 647.3m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_17  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 9    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5500MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 18M           | 50.9u              | 1.721m                      | 1.677m                      | 787.1m                |
| 2                               | 2                   | 18M           | 70.9u              | 1.645m                      | -                           | 357.8m                |
| 3                               | 2                   | 18M           | 61.2u              | 1.863m                      | -                           | 730.2m                |
| 4                               | 3                   | 18M           | 55.6u              | 1.573m                      | 1.305m                      | 472.0m                |
| 5                               | 2                   | 18M           | 61.9u              | 1.421m                      | -                           | 88.96m                |
| 6                               | 1                   | 18M           | 52.6u              | -                           | -                           | 911.3m                |
| 7                               | 3                   | 18M           | 60.7u              | 1.420m                      | 1.845m                      | 81.67m                |
| 8                               | 2                   | 18M           | 76.7u              | 1.616m                      | -                           | 600.1m                |
| 9                               | 1                   | 18M           | 82.1u              | -                           | -                           | 1.017                 |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_18  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5500MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 18M           | 52.0u              | 963.0u                      | 1.272m                      | 607.1m                |
| 2                               | 2                   | 18M           | 94.7u              | 1.569m                      | -                           | 970.0m                |
| 3                               | 2                   | 18M           | 81.7u              | 1.783m                      | -                           | 405.2m                |
| 4                               | 1                   | 18M           | 79.0u              | -                           | -                           | 481.4m                |
| 5                               | 3                   | 18M           | 68.5u              | 1.228m                      | 1.226m                      | 689.8m                |
| 6                               | 2                   | 18M           | 54.6u              | 1.639m                      | -                           | 657.6m                |
| 7                               | 1                   | 18M           | 68.1u              | -                           | -                           | 841.1m                |
| 8                               | 1                   | 18M           | 89.8u              | -                           | -                           | 916.7m                |
| 9                               | 1                   | 18M           | 69.1u              | -                           | -                           | 211.7m                |
| 10                              | 1                   | 18M           | 97.8u              | -                           | -                           | 374.1m                |
| 11                              | 2                   | 18M           | 96.3u              | 1.242m                      | -                           | 457.4m                |
| 12                              | 3                   | 18M           | 95.6u              | 981.4u                      | 1.107m                      | 828.4m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_19  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5500MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 78.6u              | 1.551m                      | -                           | 833.2m                |
| 2                               | 2                   | 20M           | 51.6u              | 990.4u                      | -                           | 825.2m                |
| 3                               | 2                   | 20M           | 86.8u              | 1.097m                      | -                           | 809.6m                |
| 4                               | 1                   | 20M           | 60.5u              | -                           | -                           | 792.9m                |
| 5                               | 2                   | 20M           | 54.9u              | 1.783m                      | -                           | 491.4m                |
| 6                               | 2                   | 20M           | 75.7u              | 1.245m                      | -                           | 717.7m                |
| 7                               | 2                   | 20M           | 55.0u              | 1.513m                      | -                           | 1.155                 |
| 8                               | 2                   | 20M           | 79.2u              | 955.8u                      | -                           | 118.6m                |
| 9                               | 1                   | 20M           | 56.4u              | -                           | -                           | 881.1m                |
| 10                              | 1                   | 20M           | 97.7u              | -                           | -                           | 978.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_20  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 20   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5500MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 63.1u              | 1.352m                      | -                           | 165.6m                |
| 2                               | 2                   | 20M           | 58.9u              | 1.458m                      | -                           | 231.2m                |
| 3                               | 2                   | 20M           | 77.9u              | 1.812m                      | -                           | 578.2m                |
| 4                               | 2                   | 20M           | 55.4u              | 1.834m                      | -                           | 493.0m                |
| 5                               | 3                   | 20M           | 93.5u              | 1.337m                      | 1.895m                      | 207.5m                |
| 6                               | 2                   | 20M           | 92.8u              | 1.212m                      | -                           | 161.6m                |
| 7                               | 3                   | 20M           | 60.2u              | 1.500m                      | 1.299m                      | 450.6m                |
| 8                               | 3                   | 20M           | 92.9u              | 980.1u                      | 1.224m                      | 70.72m                |
| 9                               | 3                   | 20M           | 68.5u              | 1.737m                      | 1.169m                      | 263.0m                |
| 10                              | 2                   | 20M           | 85.6u              | 967.4u                      | -                           | 128.5m                |
| 11                              | 2                   | 20M           | 85.4u              | 1.165m                      | -                           | 495.9m                |
| 12                              | 2                   | 20M           | 68.2u              | 1.498m                      | -                           | 88.26m                |
| 13                              | 2                   | 20M           | 66.6u              | 1.769m                      | -                           | 10.88m                |
| 14                              | 3                   | 20M           | 56.7u              | 1.517m                      | 1.056m                      | 393.2m                |
| 15                              | 1                   | 20M           | 61.9u              | -                           | -                           | 488.3m                |
| 16                              | 3                   | 20M           | 92.9u              | 1.185m                      | 1.163m                      | 309.7m                |
| 17                              | 2                   | 20M           | 59.6u              | 1.139m                      | -                           | 243.6m                |
| 18                              | 3                   | 20M           | 71.4u              | 1.337m                      | 1.026m                      | 381.3m                |
| 19                              | 3                   | 20M           | 66.5u              | 1.886m                      | 1.669m                      | 75.38m                |
| 20                              | 1                   | 20M           | 99.2u              | -                           | -                           | 205.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_21  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5509MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 5M            | 59.2u              | -                           | -                           | 243.0m                |
| 2                               | 2                   | 5M            | 94.5u              | 1.834m                      | -                           | 299.3m                |
| 3                               | 2                   | 5M            | 95.4u              | 1.641m                      | -                           | 566.0m                |
| 4                               | 3                   | 5M            | 59.5u              | 1.313m                      | 1.332m                      | 354.8m                |
| 5                               | 2                   | 5M            | 62.1u              | 1.158m                      | -                           | 618.4m                |
| 6                               | 3                   | 5M            | 73.9u              | 1.671m                      | 1.534m                      | 629.7m                |
| 7                               | 2                   | 5M            | 50.4u              | 1.155m                      | -                           | 384.7m                |
| 8                               | 3                   | 5M            | 62.7u              | 1.675m                      | 1.571m                      | 94.54m                |
| 9                               | 1                   | 5M            | 52.4u              | -                           | -                           | 45.93m                |
| 10                              | 3                   | 5M            | 55.9u              | 1.743m                      | 1.537m                      | 37.45m                |
| 11                              | 2                   | 5M            | 62.1u              | 1.725m                      | -                           | 173.9m                |
| 12                              | 3                   | 5M            | 65.1u              | 1.567m                      | 1.369m                      | 549.6m                |
| 13                              | 3                   | 5M            | 80.3u              | 1.548m                      | 1.117m                      | 530.8m                |
| 14                              | 2                   | 5M            | 85.5u              | 1.063m                      | -                           | 265.8m                |
| 15                              | 3                   | 5M            | 54.7u              | 1.134m                      | 1.657m                      | 49.43m                |
| 16                              | 2                   | 5M            | 85.8u              | 1.450m                      | -                           | 382.0m                |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_22  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5509MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 5M            | 61.2u              | 1.793m                      | 1.857m                      | 398.8m                |
| 2                               | 1                   | 5M            | 53.7u              | -                           | -                           | 300.3m                |
| 3                               | 2                   | 5M            | 82.7u              | 1.900m                      | -                           | 154.0m                |
| 4                               | 3                   | 5M            | 98.8u              | 1.369m                      | 1.879m                      | 7.212m                |
| 5                               | 2                   | 5M            | 54.9u              | 1.516m                      | -                           | 475.2m                |
| 6                               | 3                   | 5M            | 57.2u              | 1.640m                      | 1.396m                      | 427.7m                |
| 7                               | 2                   | 5M            | 91.6u              | 1.507m                      | -                           | 435.3m                |
| 8                               | 2                   | 5M            | 69.8u              | 1.897m                      | -                           | 349.7m                |
| 9                               | 2                   | 5M            | 58.1u              | 1.668m                      | -                           | 584.4m                |
| 10                              | 2                   | 5M            | 81.6u              | 1.380m                      | -                           | 184.8m                |
| 11                              | 2                   | 5M            | 57.5u              | 1.242m                      | -                           | 221.2m                |
| 12                              | 3                   | 5M            | 92.2u              | 1.227m                      | 913.8u                      | 353.3m                |
| 13                              | 2                   | 5M            | 81.9u              | 1.129m                      | -                           | 486.4m                |
| 14                              | 2                   | 5M            | 66.9u              | 1.395m                      | -                           | 235.5m                |
| 15                              | 1                   | 5M            | 67.9u              | -                           | -                           | 415.5m                |
| 16                              | 3                   | 5M            | 99.2u              | 1.884m                      | 1.803m                      | 462.9m                |
| 17                              | 2                   | 5M            | 71.2u              | 1.043m                      | -                           | 214.2m                |
| 18                              | 1                   | 5M            | 70.9u              | -                           | -                           | 379.4m                |
| 19                              | 2                   | 5M            | 68.8u              | 1.209m                      | -                           | 322.3m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_23  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5507MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 10M           | 77.1u              | 1.267m                      | -                           | 774.1m                |
| 2                               | 3                   | 10M           | 99.8u              | 1.558m                      | 1.032m                      | 769.0m                |
| 3                               | 2                   | 10M           | 73.2u              | 1.204m                      | -                           | 760.7m                |
| 4                               | 3                   | 10M           | 74.0u              | 1.642m                      | 1.403m                      | 202.1m                |
| 5                               | 2                   | 10M           | 61.7u              | 982.3u                      | -                           | 236.2m                |
| 6                               | 2                   | 10M           | 68.4u              | 1.120m                      | -                           | 889.3m                |
| 7                               | 2                   | 10M           | 98.4u              | 1.604m                      | -                           | 192.4m                |
| 8                               | 2                   | 10M           | 72.5u              | 1.756m                      | -                           | 721.2m                |
| 9                               | 3                   | 10M           | 52.4u              | 1.480m                      | 1.691m                      | 405.5m                |
| 10                              | 3                   | 10M           | 96.6u              | 1.397m                      | 1.029m                      | 235.6m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_24  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 9    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5507MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 10M           | 80.2u              | 1.716m                      | 1.208m                      | 458.3m                |
| 2                               | 2                   | 10M           | 99.0u              | 1.877m                      | -                           | 80.24m                |
| 3                               | 1                   | 10M           | 70.5u              | -                           | -                           | 705.0m                |
| 4                               | 1                   | 10M           | 88.3u              | -                           | -                           | 69.65m                |
| 5                               | 2                   | 10M           | 56.4u              | 1.516m                      | -                           | 922.0m                |
| 6                               | 1                   | 10M           | 100.0u             | -                           | -                           | 179.3m                |
| 7                               | 2                   | 10M           | 58.2u              | 994.8u                      | -                           | 1.187                 |
| 8                               | 1                   | 10M           | 98.0u              | -                           | -                           | 223.9m                |
| 9                               | 1                   | 10M           | 92.7u              | -                           | -                           | 927.1m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_25  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5505MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 15M           | 94.0u              | 1.223m                      | -                           | 602.5m                |
| 2                               | 1                   | 15M           | 72.8u              | -                           | -                           | 973.3m                |
| 3                               | 1                   | 15M           | 53.8u              | -                           | -                           | 901.9m                |
| 4                               | 2                   | 15M           | 62.4u              | 1.292m                      | -                           | 937.5m                |
| 5                               | 2                   | 15M           | 78.8u              | 1.014m                      | -                           | 731.3m                |
| 6                               | 2                   | 15M           | 93.5u              | 1.149m                      | -                           | 20.15m                |
| 7                               | 1                   | 15M           | 61.8u              | -                           | -                           | 620.4m                |
| 8                               | 3                   | 15M           | 82.0u              | 1.788m                      | 1.001m                      | 82.34m                |
| 9                               | 1                   | 15M           | 63.6u              | -                           | -                           | 891.7m                |
| 10                              | 2                   | 15M           | 76.7u              | 1.229m                      | -                           | 49.96m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_26  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 11   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5505MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 15M           | 84.4u              | -                           | -                           | 558.9m                |
| 2                               | 2                   | 15M           | 74.4u              | 1.227m                      | -                           | 40.96m                |
| 3                               | 3                   | 15M           | 59.9u              | 1.513m                      | 1.461m                      | 466.4m                |
| 4                               | 1                   | 15M           | 54.6u              | -                           | -                           | 934.1m                |
| 5                               | 2                   | 15M           | 56.2u              | 1.306m                      | -                           | 791.5m                |
| 6                               | 2                   | 15M           | 80.1u              | 1.693m                      | -                           | 378.4m                |
| 7                               | 2                   | 15M           | 50.2u              | 1.675m                      | -                           | 844.0m                |
| 8                               | 2                   | 15M           | 89.6u              | 1.641m                      | -                           | 762.8m                |
| 9                               | 1                   | 15M           | 81.8u              | -                           | -                           | 133.1m                |
| 10                              | 1                   | 15M           | 89.0u              | -                           | -                           | 56.12m                |
| 11                              | 1                   | 15M           | 62.1u              | -                           | -                           | 784.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_27  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 17   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5505MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 18M           | 99.1u              | -                           | -                           | 365.0m                |
| 2                               | 2                   | 18M           | 80.2u              | 1.073m                      | -                           | 218.9m                |
| 3                               | 1                   | 18M           | 98.4u              | -                           | -                           | 62.40m                |
| 4                               | 2                   | 18M           | 79.9u              | 924.1u                      | -                           | 28.38m                |
| 5                               | 3                   | 18M           | 85.7u              | 1.729m                      | 1.103m                      | 59.49m                |
| 6                               | 3                   | 18M           | 83.1u              | 1.033m                      | 1.823m                      | 360.0m                |
| 7                               | 1                   | 18M           | 93.9u              | -                           | -                           | 207.7m                |
| 8                               | 2                   | 18M           | 92.9u              | 1.657m                      | -                           | 307.2m                |
| 9                               | 2                   | 18M           | 93.9u              | 1.164m                      | -                           | 269.1m                |
| 10                              | 3                   | 18M           | 71.8u              | 1.516m                      | 1.207m                      | 433.3m                |
| 11                              | 2                   | 18M           | 60.1u              | 1.913m                      | -                           | 334.1m                |
| 12                              | 2                   | 18M           | 65.1u              | 1.569m                      | -                           | 471.0m                |
| 13                              | 2                   | 18M           | 70.1u              | 1.020m                      | -                           | 403.4m                |
| 14                              | 2                   | 18M           | 54.7u              | 1.505m                      | -                           | 537.2m                |
| 15                              | 2                   | 18M           | 71.7u              | 1.764m                      | -                           | 569.9m                |
| 16                              | 2                   | 18M           | 98.5u              | 1.729m                      | -                           | 505.7m                |
| 17                              | 2                   | 18M           | 90.2u              | 1.677m                      | -                           | 644.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_28  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5505MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 18M           | 91.4u              | -                           | -                           | 1.193                 |
| 2                               | 2                   | 18M           | 59.0u              | 1.416m                      | -                           | 691.9m                |
| 3                               | 3                   | 18M           | 75.5u              | 1.576m                      | 1.710m                      | 949.0m                |
| 4                               | 3                   | 18M           | 57.2u              | 1.495m                      | 1.274m                      | 98.67m                |
| 5                               | 2                   | 18M           | 86.9u              | 1.499m                      | -                           | 1.077                 |
| 6                               | 3                   | 18M           | 59.2u              | 1.913m                      | 1.856m                      | 327.0m                |
| 7                               | 1                   | 18M           | 79.4u              | -                           | -                           | 681.2m                |
| 8                               | 3                   | 18M           | 98.1u              | 1.764m                      | 1.499m                      | 780.6m                |
| 9                               | 2                   | 18M           | 79.1u              | 1.785m                      | -                           | 22.12m                |
| 10                              | 3                   | 18M           | 75.5u              | 1.187m                      | 1.373m                      | 229.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_29  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5503MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 80.2u              | 1.739m                      | -                           | 720.6m                |
| 2                               | 3                   | 20M           | 50.1u              | 1.816m                      | 1.933m                      | 558.9m                |
| 3                               | 1                   | 20M           | 96.2u              | -                           | -                           | 211.8m                |
| 4                               | 3                   | 20M           | 72.6u              | 1.275m                      | 1.410m                      | 628.1m                |
| 5                               | 2                   | 20M           | 92.6u              | 1.262m                      | -                           | 295.1m                |
| 6                               | 2                   | 20M           | 70.1u              | 1.814m                      | -                           | 404.0m                |
| 7                               | 2                   | 20M           | 96.2u              | 1.463m                      | -                           | 89.45m                |
| 8                               | 2                   | 20M           | 78.6u              | 1.436m                      | -                           | 275.4m                |
| 9                               | 2                   | 20M           | 85.9u              | 1.077m                      | -                           | 726.5m                |
| 10                              | 3                   | 20M           | 86.3u              | 1.689m                      | 1.395m                      | 279.8m                |
| 11                              | 1                   | 20M           | 88.0u              | -                           | -                           | 142.6m                |
| 12                              | 3                   | 20M           | 58.3u              | 1.051m                      | 995.7u                      | 248.6m                |
| 13                              | 2                   | 20M           | 95.3u              | 1.642m                      | -                           | 392.4m                |
| 14                              | 3                   | 20M           | 93.1u              | 1.100m                      | 1.481m                      | 639.1m                |
| 15                              | 1                   | 20M           | 96.7u              | -                           | -                           | 614.9m                |
| 16                              | 2                   | 20M           | 67.1u              | 1.370m                      | -                           | 471.2m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_30  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5503MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 98.1u              | 1.220m                      | -                           | 507.2m                |
| 2                               | 2                   | 20M           | 73.5u              | 1.910m                      | -                           | 227.2m                |
| 3                               | 2                   | 20M           | 98.2u              | 1.506m                      | -                           | 631.2m                |
| 4                               | 3                   | 20M           | 97.9u              | 1.595m                      | 1.851m                      | 164.0m                |
| 5                               | 1                   | 20M           | 92.9u              | -                           | -                           | 45.06m                |
| 6                               | 2                   | 20M           | 76.6u              | 1.260m                      | -                           | 601.8m                |
| 7                               | 2                   | 20M           | 68.1u              | 1.217m                      | -                           | 342.9m                |
| 8                               | 1                   | 20M           | 53.3u              | -                           | -                           | 86.38m                |
| 9                               | 2                   | 20M           | 58.0u              | 978.0u                      | -                           | 75.50m                |
| 10                              | 1                   | 20M           | 66.6u              | -                           | -                           | 328.5m                |
| 11                              | 3                   | 20M           | 69.0u              | 1.388m                      | 1.330m                      | 707.6m                |
| 12                              | 2                   | 20M           | 68.3u              | 1.450m                      | -                           | 328.0m                |
| 13                              | 3                   | 20M           | 99.1u              | 1.752m                      | 1.303m                      | 426.0m                |
| 14                              | 1                   | 20M           | 94.8u              | -                           | -                           | 632.9m                |
| 15                              | 1                   | 20M           | 99.7u              | -                           | -                           | 169.8m                |
| 16                              | 1                   | 20M           | 51.5u              | -                           | -                           | 455.1m                |

| Type 6 Radar Statistical Performances |                  |                 |         |           |
|---------------------------------------|------------------|-----------------|---------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Detection |
| 1                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 2                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 3                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 4                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 5                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 6                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 7                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 8                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 9                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 10                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 11                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 12                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 13                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 14                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 15                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 16                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 17                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 18                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 19                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 20                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 21                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 22                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 23                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 24                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 25                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 26                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 27                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 28                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 29                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 30                                    | 9                | 1.0u            | 333.0u  | Yes       |
| Detection Rate: 100.0 %               |                  |                 |         |           |



| Type 6 Radar Statistical Performances |                                 |                         |
|---------------------------------------|---------------------------------|-------------------------|
| Trial #                               | Hopping Frequency Sequence Name | Detection               |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes                     |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes                     |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes                     |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes                     |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes                     |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes                     |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes                     |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes                     |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes                     |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes                     |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes                     |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes                     |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes                     |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes                     |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes                     |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes                     |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes                     |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes                     |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes                     |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes                     |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes                     |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes                     |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes                     |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes                     |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes                     |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes                     |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes                     |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes                     |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes                     |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes                     |
|                                       |                                 | Detection Rate: 100.0 % |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.510G            | 2    | 5.494G            | 3    | 5.424G            | 4    | 5.274G            |
| 5                                                | 5.671G            | 6    | 5.351G            | 7    | 5.371G            | 8    | 5.616G            |
| 9                                                | 5.595G            | 10   | 5.625G            | 11   | 5.483G            | 12   | 5.676G            |
| 13                                               | 5.522G            | 14   | 5.400G            | 15   | 5.539G            | 16   | 5.543G            |
| 17                                               | 5.465G            | 18   | 5.537G            | 19   | 5.481G            | 20   | 5.325G            |
| 21                                               | 5.647G            | 22   | 5.724G            | 23   | 5.436G            | 24   | 5.322G            |
| 25                                               | 5.544G            | 26   | 5.476G            | 27   | 5.695G            | 28   | 5.608G            |
| 29                                               | 5.634G            | 30   | 5.601G            | 31   | 5.618G            | 32   | 5.433G            |
| 33                                               | 5.711G            | 34   | 5.596G            | 35   | 5.485G            | 36   | 5.262G            |
| 37                                               | 5.675G            | 38   | 5.570G            | 39   | 5.644G            | 40   | 5.688G            |
| 41                                               | 5.300G            | 42   | 5.331G            | 43   | 5.609G            | 44   | 5.637G            |
| 45                                               | 5.398G            | 46   | 5.484G            | 47   | 5.366G            | 48   | 5.620G            |
| 49                                               | 5.606G            | 50   | 5.604G            | 51   | 5.320G            | 52   | 5.495G            |
| 53                                               | 5.552G            | 54   | 5.702G            | 55   | 5.692G            | 56   | 5.673G            |
| 57                                               | 5.526G            | 58   | 5.517G            | 59   | 5.698G            | 60   | 5.651G            |
| 61                                               | 5.689G            | 62   | 5.343G            | 63   | 5.294G            | 64   | 5.301G            |
| 65                                               | 5.271G            | 66   | 5.619G            | 67   | 5.557G            | 68   | 5.615G            |
| 69                                               | 5.406G            | 70   | 5.629G            | 71   | 5.653G            | 72   | 5.521G            |
| 73                                               | 5.286G            | 74   | 5.461G            | 75   | 5.423G            | 76   | 5.304G            |
| 77                                               | 5.460G            | 78   | 5.605G            | 79   | 5.263G            | 80   | 5.643G            |
| 81                                               | 5.646G            | 82   | 5.602G            | 83   | 5.431G            | 84   | 5.652G            |
| 85                                               | 5.678G            | 86   | 5.452G            | 87   | 5.364G            | 88   | 5.299G            |
| 89                                               | 5.356G            | 90   | 5.363G            | 91   | 5.470G            | 92   | 5.359G            |
| 93                                               | 5.478G            | 94   | 5.296G            | 95   | 5.257G            | 96   | 5.353G            |
| 97                                               | 5.603G            | 98   | 5.697G            | 99   | 5.610G            | 100  | 5.425G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.588G            | 2    | 5.570G            | 3    | 5.328G            | 4    | 5.311G            |
| 5                                                | 5.526G            | 6    | 5.339G            | 7    | 5.264G            | 8    | 5.463G            |
| 9                                                | 5.573G            | 10   | 5.527G            | 11   | 5.323G            | 12   | 5.421G            |
| 13                                               | 5.543G            | 14   | 5.638G            | 15   | 5.600G            | 16   | 5.404G            |
| 17                                               | 5.420G            | 18   | 5.255G            | 19   | 5.278G            | 20   | 5.563G            |
| 21                                               | 5.284G            | 22   | 5.713G            | 23   | 5.530G            | 24   | 5.710G            |
| 25                                               | 5.385G            | 26   | 5.446G            | 27   | 5.292G            | 28   | 5.510G            |
| 29                                               | 5.400G            | 30   | 5.376G            | 31   | 5.590G            | 32   | 5.486G            |
| 33                                               | 5.349G            | 34   | 5.585G            | 35   | 5.684G            | 36   | 5.315G            |
| 37                                               | 5.361G            | 38   | 5.677G            | 39   | 5.576G            | 40   | 5.412G            |
| 41                                               | 5.550G            | 42   | 5.350G            | 43   | 5.580G            | 44   | 5.549G            |
| 45                                               | 5.615G            | 46   | 5.341G            | 47   | 5.326G            | 48   | 5.374G            |
| 49                                               | 5.279G            | 50   | 5.605G            | 51   | 5.523G            | 52   | 5.724G            |
| 53                                               | 5.419G            | 54   | 5.402G            | 55   | 5.534G            | 56   | 5.505G            |
| 57                                               | 5.367G            | 58   | 5.720G            | 59   | 5.623G            | 60   | 5.552G            |
| 61                                               | 5.274G            | 62   | 5.454G            | 63   | 5.547G            | 64   | 5.397G            |
| 65                                               | 5.603G            | 66   | 5.673G            | 67   | 5.475G            | 68   | 5.625G            |
| 69                                               | 5.442G            | 70   | 5.307G            | 71   | 5.681G            | 72   | 5.340G            |
| 73                                               | 5.618G            | 74   | 5.579G            | 75   | 5.322G            | 76   | 5.662G            |
| 77                                               | 5.672G            | 78   | 5.403G            | 79   | 5.539G            | 80   | 5.703G            |
| 81                                               | 5.413G            | 82   | 5.501G            | 83   | 5.697G            | 84   | 5.698G            |
| 85                                               | 5.608G            | 86   | 5.448G            | 87   | 5.621G            | 88   | 5.572G            |
| 89                                               | 5.262G            | 90   | 5.300G            | 91   | 5.405G            | 92   | 5.686G            |
| 93                                               | 5.348G            | 94   | 5.515G            | 95   | 5.674G            | 96   | 5.275G            |
| 97                                               | 5.619G            | 98   | 5.701G            | 99   | 5.583G            | 100  | 5.496G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.407G            | 2    | 5.504G            | 3    | 5.568G            | 4    | 5.256G            |
| 5                                                | 5.605G            | 6    | 5.317G            | 7    | 5.496G            | 8    | 5.717G            |
| 9                                                | 5.267G            | 10   | 5.354G            | 11   | 5.513G            | 12   | 5.373G            |
| 13                                               | 5.619G            | 14   | 5.355G            | 15   | 5.696G            | 16   | 5.713G            |
| 17                                               | 5.430G            | 18   | 5.506G            | 19   | 5.396G            | 20   | 5.447G            |
| 21                                               | 5.632G            | 22   | 5.615G            | 23   | 5.379G            | 24   | 5.663G            |
| 25                                               | 5.685G            | 26   | 5.400G            | 27   | 5.287G            | 28   | 5.490G            |
| 29                                               | 5.363G            | 30   | 5.654G            | 31   | 5.424G            | 32   | 5.311G            |
| 33                                               | 5.581G            | 34   | 5.498G            | 35   | 5.440G            | 36   | 5.329G            |
| 37                                               | 5.305G            | 38   | 5.345G            | 39   | 5.252G            | 40   | 5.427G            |
| 41                                               | 5.708G            | 42   | 5.607G            | 43   | 5.480G            | 44   | 5.423G            |
| 45                                               | 5.375G            | 46   | 5.507G            | 47   | 5.519G            | 48   | 5.408G            |
| 49                                               | 5.280G            | 50   | 5.413G            | 51   | 5.380G            | 52   | 5.324G            |
| 53                                               | 5.431G            | 54   | 5.399G            | 55   | 5.548G            | 56   | 5.611G            |
| 57                                               | 5.319G            | 58   | 5.617G            | 59   | 5.351G            | 60   | 5.658G            |
| 61                                               | 5.670G            | 62   | 5.646G            | 63   | 5.524G            | 64   | 5.483G            |
| 65                                               | 5.269G            | 66   | 5.320G            | 67   | 5.420G            | 68   | 5.710G            |
| 69                                               | 5.718G            | 70   | 5.669G            | 71   | 5.391G            | 72   | 5.641G            |
| 73                                               | 5.591G            | 74   | 5.518G            | 75   | 5.692G            | 76   | 5.369G            |
| 77                                               | 5.362G            | 78   | 5.636G            | 79   | 5.455G            | 80   | 5.590G            |
| 81                                               | 5.462G            | 82   | 5.579G            | 83   | 5.627G            | 84   | 5.676G            |
| 85                                               | 5.540G            | 86   | 5.441G            | 87   | 5.262G            | 88   | 5.720G            |
| 89                                               | 5.495G            | 90   | 5.494G            | 91   | 5.528G            | 92   | 5.682G            |
| 93                                               | 5.628G            | 94   | 5.383G            | 95   | 5.446G            | 96   | 5.390G            |
| 97                                               | 5.642G            | 98   | 5.478G            | 99   | 5.545G            | 100  | 5.666G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.453G            | 2    | 5.369G            | 3    | 5.322G            | 4    | 5.609G            |
| 5                                                | 5.685G            | 6    | 5.393G            | 7    | 5.673G            | 8    | 5.362G            |
| 9                                                | 5.269G            | 10   | 5.455G            | 11   | 5.551G            | 12   | 5.427G            |
| 13                                               | 5.266G            | 14   | 5.510G            | 15   | 5.503G            | 16   | 5.293G            |
| 17                                               | 5.374G            | 18   | 5.373G            | 19   | 5.361G            | 20   | 5.283G            |
| 21                                               | 5.291G            | 22   | 5.548G            | 23   | 5.454G            | 24   | 5.606G            |
| 25                                               | 5.365G            | 26   | 5.445G            | 27   | 5.593G            | 28   | 5.632G            |
| 29                                               | 5.535G            | 30   | 5.334G            | 31   | 5.306G            | 32   | 5.693G            |
| 33                                               | 5.517G            | 34   | 5.253G            | 35   | 5.642G            | 36   | 5.459G            |
| 37                                               | 5.452G            | 38   | 5.653G            | 39   | 5.338G            | 40   | 5.385G            |
| 41                                               | 5.325G            | 42   | 5.647G            | 43   | 5.422G            | 44   | 5.313G            |
| 45                                               | 5.424G            | 46   | 5.595G            | 47   | 5.368G            | 48   | 5.690G            |
| 49                                               | 5.695G            | 50   | 5.371G            | 51   | 5.597G            | 52   | 5.396G            |
| 53                                               | 5.522G            | 54   | 5.665G            | 55   | 5.624G            | 56   | 5.442G            |
| 57                                               | 5.256G            | 58   | 5.482G            | 59   | 5.608G            | 60   | 5.350G            |
| 61                                               | 5.433G            | 62   | 5.678G            | 63   | 5.657G            | 64   | 5.397G            |
| 65                                               | 5.528G            | 66   | 5.414G            | 67   | 5.303G            | 68   | 5.315G            |
| 69                                               | 5.512G            | 70   | 5.655G            | 71   | 5.611G            | 72   | 5.555G            |
| 73                                               | 5.666G            | 74   | 5.530G            | 75   | 5.360G            | 76   | 5.476G            |
| 77                                               | 5.618G            | 78   | 5.557G            | 79   | 5.472G            | 80   | 5.500G            |
| 81                                               | 5.724G            | 82   | 5.461G            | 83   | 5.447G            | 84   | 5.680G            |
| 85                                               | 5.292G            | 86   | 5.316G            | 87   | 5.710G            | 88   | 5.426G            |
| 89                                               | 5.570G            | 90   | 5.694G            | 91   | 5.621G            | 92   | 5.536G            |
| 93                                               | 5.363G            | 94   | 5.357G            | 95   | 5.501G            | 96   | 5.328G            |
| 97                                               | 5.417G            | 98   | 5.504G            | 99   | 5.282G            | 100  | 5.488G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.631G            | 2    | 5.281G            | 3    | 5.564G            | 4    | 5.645G            |
| 5                                                | 5.624G            | 6    | 5.429G            | 7    | 5.618G            | 8    | 5.394G            |
| 9                                                | 5.610G            | 10   | 5.558G            | 11   | 5.659G            | 12   | 5.531G            |
| 13                                               | 5.521G            | 14   | 5.290G            | 15   | 5.399G            | 16   | 5.609G            |
| 17                                               | 5.426G            | 18   | 5.425G            | 19   | 5.299G            | 20   | 5.407G            |
| 21                                               | 5.560G            | 22   | 5.438G            | 23   | 5.640G            | 24   | 5.644G            |
| 25                                               | 5.415G            | 26   | 5.503G            | 27   | 5.361G            | 28   | 5.572G            |
| 29                                               | 5.252G            | 30   | 5.316G            | 31   | 5.402G            | 32   | 5.650G            |
| 33                                               | 5.304G            | 34   | 5.646G            | 35   | 5.676G            | 36   | 5.536G            |
| 37                                               | 5.614G            | 38   | 5.497G            | 39   | 5.469G            | 40   | 5.571G            |
| 41                                               | 5.483G            | 42   | 5.265G            | 43   | 5.439G            | 44   | 5.551G            |
| 45                                               | 5.675G            | 46   | 5.620G            | 47   | 5.420G            | 48   | 5.493G            |
| 49                                               | 5.414G            | 50   | 5.693G            | 51   | 5.325G            | 52   | 5.616G            |
| 53                                               | 5.721G            | 54   | 5.674G            | 55   | 5.528G            | 56   | 5.322G            |
| 57                                               | 5.720G            | 58   | 5.334G            | 59   | 5.516G            | 60   | 5.549G            |
| 61                                               | 5.627G            | 62   | 5.389G            | 63   | 5.294G            | 64   | 5.641G            |
| 65                                               | 5.412G            | 66   | 5.368G            | 67   | 5.345G            | 68   | 5.666G            |
| 69                                               | 5.685G            | 70   | 5.583G            | 71   | 5.347G            | 72   | 5.615G            |
| 73                                               | 5.251G            | 74   | 5.556G            | 75   | 5.581G            | 76   | 5.502G            |
| 77                                               | 5.496G            | 78   | 5.365G            | 79   | 5.340G            | 80   | 5.335G            |
| 81                                               | 5.453G            | 82   | 5.459G            | 83   | 5.291G            | 84   | 5.696G            |
| 85                                               | 5.348G            | 86   | 5.680G            | 87   | 5.266G            | 88   | 5.655G            |
| 89                                               | 5.465G            | 90   | 5.270G            | 91   | 5.449G            | 92   | 5.445G            |
| 93                                               | 5.700G            | 94   | 5.452G            | 95   | 5.359G            | 96   | 5.263G            |
| 97                                               | 5.704G            | 98   | 5.490G            | 99   | 5.454G            | 100  | 5.603G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.550G            | 2    | 5.353G            | 3    | 5.409G            | 4    | 5.369G            |
| 5                                                | 5.552G            | 6    | 5.715G            | 7    | 5.580G            | 8    | 5.398G            |
| 9                                                | 5.253G            | 10   | 5.599G            | 11   | 5.393G            | 12   | 5.634G            |
| 13                                               | 5.384G            | 14   | 5.671G            | 15   | 5.507G            | 16   | 5.636G            |
| 17                                               | 5.301G            | 18   | 5.525G            | 19   | 5.678G            | 20   | 5.474G            |
| 21                                               | 5.260G            | 22   | 5.604G            | 23   | 5.417G            | 24   | 5.401G            |
| 25                                               | 5.713G            | 26   | 5.381G            | 27   | 5.378G            | 28   | 5.412G            |
| 29                                               | 5.641G            | 30   | 5.421G            | 31   | 5.495G            | 32   | 5.540G            |
| 33                                               | 5.511G            | 34   | 5.330G            | 35   | 5.323G            | 36   | 5.305G            |
| 37                                               | 5.529G            | 38   | 5.490G            | 39   | 5.710G            | 40   | 5.374G            |
| 41                                               | 5.722G            | 42   | 5.592G            | 43   | 5.699G            | 44   | 5.575G            |
| 45                                               | 5.723G            | 46   | 5.681G            | 47   | 5.262G            | 48   | 5.716G            |
| 49                                               | 5.267G            | 50   | 5.394G            | 51   | 5.586G            | 52   | 5.652G            |
| 53                                               | 5.291G            | 54   | 5.344G            | 55   | 5.457G            | 56   | 5.392G            |
| 57                                               | 5.689G            | 58   | 5.536G            | 59   | 5.255G            | 60   | 5.288G            |
| 61                                               | 5.676G            | 62   | 5.535G            | 63   | 5.461G            | 64   | 5.328G            |
| 65                                               | 5.506G            | 66   | 5.403G            | 67   | 5.700G            | 68   | 5.612G            |
| 69                                               | 5.555G            | 70   | 5.427G            | 71   | 5.705G            | 72   | 5.402G            |
| 73                                               | 5.591G            | 74   | 5.521G            | 75   | 5.597G            | 76   | 5.396G            |
| 77                                               | 5.548G            | 78   | 5.579G            | 79   | 5.481G            | 80   | 5.707G            |
| 81                                               | 5.542G            | 82   | 5.607G            | 83   | 5.628G            | 84   | 5.355G            |
| 85                                               | 5.470G            | 86   | 5.500G            | 87   | 5.547G            | 88   | 5.368G            |
| 89                                               | 5.358G            | 90   | 5.711G            | 91   | 5.311G            | 92   | 5.265G            |
| 93                                               | 5.303G            | 94   | 5.632G            | 95   | 5.679G            | 96   | 5.589G            |
| 97                                               | 5.429G            | 98   | 5.539G            | 99   | 5.364G            | 100  | 5.287G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.318G            | 2    | 5.264G            | 3    | 5.277G            | 4    | 5.489G            |
| 5                                                | 5.577G            | 6    | 5.671G            | 7    | 5.535G            | 8    | 5.372G            |
| 9                                                | 5.418G            | 10   | 5.591G            | 11   | 5.285G            | 12   | 5.696G            |
| 13                                               | 5.506G            | 14   | 5.360G            | 15   | 5.551G            | 16   | 5.362G            |
| 17                                               | 5.536G            | 18   | 5.453G            | 19   | 5.378G            | 20   | 5.279G            |
| 21                                               | 5.507G            | 22   | 5.713G            | 23   | 5.662G            | 24   | 5.625G            |
| 25                                               | 5.583G            | 26   | 5.705G            | 27   | 5.678G            | 28   | 5.332G            |
| 29                                               | 5.553G            | 30   | 5.402G            | 31   | 5.382G            | 32   | 5.533G            |
| 33                                               | 5.639G            | 34   | 5.367G            | 35   | 5.364G            | 36   | 5.463G            |
| 37                                               | 5.594G            | 38   | 5.425G            | 39   | 5.429G            | 40   | 5.287G            |
| 41                                               | 5.373G            | 42   | 5.431G            | 43   | 5.319G            | 44   | 5.628G            |
| 45                                               | 5.375G            | 46   | 5.658G            | 47   | 5.430G            | 48   | 5.688G            |
| 49                                               | 5.619G            | 50   | 5.697G            | 51   | 5.457G            | 52   | 5.613G            |
| 53                                               | 5.647G            | 54   | 5.574G            | 55   | 5.337G            | 56   | 5.304G            |
| 57                                               | 5.720G            | 58   | 5.715G            | 59   | 5.603G            | 60   | 5.272G            |
| 61                                               | 5.284G            | 62   | 5.602G            | 63   | 5.334G            | 64   | 5.660G            |
| 65                                               | 5.683G            | 66   | 5.701G            | 67   | 5.359G            | 68   | 5.470G            |
| 69                                               | 5.326G            | 70   | 5.297G            | 71   | 5.673G            | 72   | 5.684G            |
| 73                                               | 5.497G            | 74   | 5.548G            | 75   | 5.555G            | 76   | 5.666G            |
| 77                                               | 5.379G            | 78   | 5.306G            | 79   | 5.523G            | 80   | 5.575G            |
| 81                                               | 5.294G            | 82   | 5.627G            | 83   | 5.623G            | 84   | 5.335G            |
| 85                                               | 5.685G            | 86   | 5.472G            | 87   | 5.271G            | 88   | 5.343G            |
| 89                                               | 5.442G            | 90   | 5.681G            | 91   | 5.646G            | 92   | 5.710G            |
| 93                                               | 5.482G            | 94   | 5.288G            | 95   | 5.394G            | 96   | 5.377G            |
| 97                                               | 5.525G            | 98   | 5.629G            | 99   | 5.280G            | 100  | 5.473G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.511G            | 2    | 5.600G            | 3    | 5.304G            | 4    | 5.459G            |
| 5                                                | 5.303G            | 6    | 5.310G            | 7    | 5.514G            | 8    | 5.618G            |
| 9                                                | 5.620G            | 10   | 5.405G            | 11   | 5.587G            | 12   | 5.585G            |
| 13                                               | 5.294G            | 14   | 5.493G            | 15   | 5.687G            | 16   | 5.460G            |
| 17                                               | 5.426G            | 18   | 5.356G            | 19   | 5.584G            | 20   | 5.490G            |
| 21                                               | 5.629G            | 22   | 5.453G            | 23   | 5.720G            | 24   | 5.512G            |
| 25                                               | 5.575G            | 26   | 5.261G            | 27   | 5.379G            | 28   | 5.311G            |
| 29                                               | 5.408G            | 30   | 5.700G            | 31   | 5.409G            | 32   | 5.299G            |
| 33                                               | 5.650G            | 34   | 5.422G            | 35   | 5.444G            | 36   | 5.344G            |
| 37                                               | 5.393G            | 38   | 5.305G            | 39   | 5.515G            | 40   | 5.383G            |
| 41                                               | 5.604G            | 42   | 5.395G            | 43   | 5.588G            | 44   | 5.592G            |
| 45                                               | 5.545G            | 46   | 5.293G            | 47   | 5.646G            | 48   | 5.378G            |
| 49                                               | 5.266G            | 50   | 5.255G            | 51   | 5.546G            | 52   | 5.342G            |
| 53                                               | 5.267G            | 54   | 5.680G            | 55   | 5.702G            | 56   | 5.639G            |
| 57                                               | 5.517G            | 58   | 5.323G            | 59   | 5.382G            | 60   | 5.396G            |
| 61                                               | 5.335G            | 62   | 5.256G            | 63   | 5.686G            | 64   | 5.614G            |
| 65                                               | 5.465G            | 66   | 5.628G            | 67   | 5.276G            | 68   | 5.306G            |
| 69                                               | 5.315G            | 70   | 5.627G            | 71   | 5.573G            | 72   | 5.537G            |
| 73                                               | 5.704G            | 74   | 5.369G            | 75   | 5.536G            | 76   | 5.653G            |
| 77                                               | 5.718G            | 78   | 5.542G            | 79   | 5.318G            | 80   | 5.454G            |
| 81                                               | 5.257G            | 82   | 5.504G            | 83   | 5.710G            | 84   | 5.452G            |
| 85                                               | 5.486G            | 86   | 5.656G            | 87   | 5.717G            | 88   | 5.282G            |
| 89                                               | 5.569G            | 90   | 5.429G            | 91   | 5.494G            | 92   | 5.442G            |
| 93                                               | 5.271G            | 94   | 5.624G            | 95   | 5.420G            | 96   | 5.397G            |
| 97                                               | 5.562G            | 98   | 5.560G            | 99   | 5.477G            | 100  | 5.470G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.592G            | 2    | 5.412G            | 3    | 5.677G            | 4    | 5.253G            |
| 5                                                | 5.401G            | 6    | 5.529G            | 7    | 5.264G            | 8    | 5.348G            |
| 9                                                | 5.312G            | 10   | 5.486G            | 11   | 5.281G            | 12   | 5.420G            |
| 13                                               | 5.501G            | 14   | 5.415G            | 15   | 5.651G            | 16   | 5.279G            |
| 17                                               | 5.395G            | 18   | 5.434G            | 19   | 5.435G            | 20   | 5.441G            |
| 21                                               | 5.670G            | 22   | 5.575G            | 23   | 5.406G            | 24   | 5.616G            |
| 25                                               | 5.674G            | 26   | 5.373G            | 27   | 5.596G            | 28   | 5.683G            |
| 29                                               | 5.291G            | 30   | 5.469G            | 31   | 5.603G            | 32   | 5.715G            |
| 33                                               | 5.477G            | 34   | 5.251G            | 35   | 5.634G            | 36   | 5.484G            |
| 37                                               | 5.321G            | 38   | 5.545G            | 39   | 5.490G            | 40   | 5.268G            |
| 41                                               | 5.450G            | 42   | 5.513G            | 43   | 5.619G            | 44   | 5.482G            |
| 45                                               | 5.571G            | 46   | 5.254G            | 47   | 5.456G            | 48   | 5.717G            |
| 49                                               | 5.518G            | 50   | 5.527G            | 51   | 5.495G            | 52   | 5.543G            |
| 53                                               | 5.694G            | 54   | 5.578G            | 55   | 5.541G            | 56   | 5.645G            |
| 57                                               | 5.639G            | 58   | 5.293G            | 59   | 5.270G            | 60   | 5.337G            |
| 61                                               | 5.565G            | 62   | 5.675G            | 63   | 5.389G            | 64   | 5.614G            |
| 65                                               | 5.330G            | 66   | 5.414G            | 67   | 5.563G            | 68   | 5.503G            |
| 69                                               | 5.442G            | 70   | 5.536G            | 71   | 5.687G            | 72   | 5.390G            |
| 73                                               | 5.470G            | 74   | 5.328G            | 75   | 5.704G            | 76   | 5.342G            |
| 77                                               | 5.551G            | 78   | 5.252G            | 79   | 5.673G            | 80   | 5.326G            |
| 81                                               | 5.534G            | 82   | 5.566G            | 83   | 5.275G            | 84   | 5.340G            |
| 85                                               | 5.366G            | 86   | 5.573G            | 87   | 5.399G            | 88   | 5.632G            |
| 89                                               | 5.463G            | 90   | 5.402G            | 91   | 5.548G            | 92   | 5.304G            |
| 93                                               | 5.341G            | 94   | 5.615G            | 95   | 5.665G            | 96   | 5.471G            |
| 97                                               | 5.699G            | 98   | 5.598G            | 99   | 5.445G            | 100  | 5.659G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.518G            | 2    | 5.496G            | 3    | 5.700G            | 4    | 5.625G            |
| 5                                                | 5.534G            | 6    | 5.444G            | 7    | 5.548G            | 8    | 5.501G            |
| 9                                                | 5.392G            | 10   | 5.541G            | 11   | 5.450G            | 12   | 5.445G            |
| 13                                               | 5.284G            | 14   | 5.722G            | 15   | 5.316G            | 16   | 5.506G            |
| 17                                               | 5.660G            | 18   | 5.583G            | 19   | 5.421G            | 20   | 5.338G            |
| 21                                               | 5.268G            | 22   | 5.632G            | 23   | 5.591G            | 24   | 5.558G            |
| 25                                               | 5.658G            | 26   | 5.547G            | 27   | 5.470G            | 28   | 5.620G            |
| 29                                               | 5.261G            | 30   | 5.485G            | 31   | 5.462G            | 32   | 5.554G            |
| 33                                               | 5.270G            | 34   | 5.286G            | 35   | 5.640G            | 36   | 5.498G            |
| 37                                               | 5.709G            | 38   | 5.606G            | 39   | 5.343G            | 40   | 5.645G            |
| 41                                               | 5.653G            | 42   | 5.420G            | 43   | 5.564G            | 44   | 5.277G            |
| 45                                               | 5.460G            | 46   | 5.290G            | 47   | 5.358G            | 48   | 5.440G            |
| 49                                               | 5.371G            | 50   | 5.276G            | 51   | 5.292G            | 52   | 5.575G            |
| 53                                               | 5.577G            | 54   | 5.376G            | 55   | 5.359G            | 56   | 5.517G            |
| 57                                               | 5.361G            | 58   | 5.519G            | 59   | 5.447G            | 60   | 5.602G            |
| 61                                               | 5.561G            | 62   | 5.335G            | 63   | 5.526G            | 64   | 5.711G            |
| 65                                               | 5.366G            | 66   | 5.252G            | 67   | 5.287G            | 68   | 5.585G            |
| 69                                               | 5.425G            | 70   | 5.300G            | 71   | 5.663G            | 72   | 5.406G            |
| 73                                               | 5.469G            | 74   | 5.555G            | 75   | 5.672G            | 76   | 5.415G            |
| 77                                               | 5.638G            | 78   | 5.563G            | 79   | 5.639G            | 80   | 5.368G            |
| 81                                               | 5.584G            | 82   | 5.458G            | 83   | 5.278G            | 84   | 5.717G            |
| 85                                               | 5.272G            | 86   | 5.308G            | 87   | 5.689G            | 88   | 5.542G            |
| 89                                               | 5.253G            | 90   | 5.623G            | 91   | 5.412G            | 92   | 5.313G            |
| 93                                               | 5.642G            | 94   | 5.511G            | 95   | 5.677G            | 96   | 5.691G            |
| 97                                               | 5.687G            | 98   | 5.516G            | 99   | 5.340G            | 100  | 5.294G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.437G            | 2    | 5.523G            | 3    | 5.399G            | 4    | 5.597G            |
| 5                                                | 5.447G            | 6    | 5.420G            | 7    | 5.524G            | 8    | 5.269G            |
| 9                                                | 5.327G            | 10   | 5.314G            | 11   | 5.505G            | 12   | 5.525G            |
| 13                                               | 5.574G            | 14   | 5.548G            | 15   | 5.328G            | 16   | 5.588G            |
| 17                                               | 5.337G            | 18   | 5.299G            | 19   | 5.501G            | 20   | 5.260G            |
| 21                                               | 5.461G            | 22   | 5.662G            | 23   | 5.510G            | 24   | 5.498G            |
| 25                                               | 5.427G            | 26   | 5.379G            | 27   | 5.714G            | 28   | 5.626G            |
| 29                                               | 5.432G            | 30   | 5.416G            | 31   | 5.497G            | 32   | 5.352G            |
| 33                                               | 5.333G            | 34   | 5.603G            | 35   | 5.346G            | 36   | 5.578G            |
| 37                                               | 5.568G            | 38   | 5.450G            | 39   | 5.536G            | 40   | 5.264G            |
| 41                                               | 5.283G            | 42   | 5.595G            | 43   | 5.385G            | 44   | 5.443G            |
| 45                                               | 5.585G            | 46   | 5.694G            | 47   | 5.466G            | 48   | 5.604G            |
| 49                                               | 5.451G            | 50   | 5.394G            | 51   | 5.429G            | 52   | 5.359G            |
| 53                                               | 5.560G            | 54   | 5.602G            | 55   | 5.567G            | 56   | 5.422G            |
| 57                                               | 5.512G            | 58   | 5.477G            | 59   | 5.693G            | 60   | 5.251G            |
| 61                                               | 5.607G            | 62   | 5.338G            | 63   | 5.331G            | 64   | 5.355G            |
| 65                                               | 5.321G            | 66   | 5.709G            | 67   | 5.290G            | 68   | 5.308G            |
| 69                                               | 5.409G            | 70   | 5.468G            | 71   | 5.553G            | 72   | 5.713G            |
| 73                                               | 5.669G            | 74   | 5.350G            | 75   | 5.634G            | 76   | 5.423G            |
| 77                                               | 5.721G            | 78   | 5.457G            | 79   | 5.596G            | 80   | 5.435G            |
| 81                                               | 5.544G            | 82   | 5.672G            | 83   | 5.601G            | 84   | 5.517G            |
| 85                                               | 5.638G            | 86   | 5.460G            | 87   | 5.540G            | 88   | 5.258G            |
| 89                                               | 5.707G            | 90   | 5.616G            | 91   | 5.388G            | 92   | 5.654G            |
| 93                                               | 5.256G            | 94   | 5.459G            | 95   | 5.391G            | 96   | 5.646G            |
| 97                                               | 5.452G            | 98   | 5.557G            | 99   | 5.637G            | 100  | 5.504G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.576G            | 2    | 5.677G            | 3    | 5.261G            | 4    | 5.699G            |
| 5                                                | 5.436G            | 6    | 5.457G            | 7    | 5.694G            | 8    | 5.655G            |
| 9                                                | 5.348G            | 10   | 5.446G            | 11   | 5.412G            | 12   | 5.562G            |
| 13                                               | 5.712G            | 14   | 5.524G            | 15   | 5.701G            | 16   | 5.397G            |
| 17                                               | 5.507G            | 18   | 5.419G            | 19   | 5.483G            | 20   | 5.422G            |
| 21                                               | 5.351G            | 22   | 5.641G            | 23   | 5.623G            | 24   | 5.709G            |
| 25                                               | 5.642G            | 26   | 5.583G            | 27   | 5.566G            | 28   | 5.715G            |
| 29                                               | 5.269G            | 30   | 5.453G            | 31   | 5.697G            | 32   | 5.533G            |
| 33                                               | 5.579G            | 34   | 5.251G            | 35   | 5.361G            | 36   | 5.643G            |
| 37                                               | 5.716G            | 38   | 5.674G            | 39   | 5.449G            | 40   | 5.286G            |
| 41                                               | 5.360G            | 42   | 5.259G            | 43   | 5.644G            | 44   | 5.455G            |
| 45                                               | 5.567G            | 46   | 5.668G            | 47   | 5.696G            | 48   | 5.607G            |
| 49                                               | 5.423G            | 50   | 5.413G            | 51   | 5.705G            | 52   | 5.326G            |
| 53                                               | 5.646G            | 54   | 5.329G            | 55   | 5.384G            | 56   | 5.450G            |
| 57                                               | 5.680G            | 58   | 5.634G            | 59   | 5.411G            | 60   | 5.632G            |
| 61                                               | 5.497G            | 62   | 5.345G            | 63   | 5.647G            | 64   | 5.603G            |
| 65                                               | 5.570G            | 66   | 5.266G            | 67   | 5.420G            | 68   | 5.722G            |
| 69                                               | 5.353G            | 70   | 5.417G            | 71   | 5.577G            | 72   | 5.618G            |
| 73                                               | 5.556G            | 74   | 5.563G            | 75   | 5.297G            | 76   | 5.368G            |
| 77                                               | 5.282G            | 78   | 5.529G            | 79   | 5.481G            | 80   | 5.356G            |
| 81                                               | 5.530G            | 82   | 5.336G            | 83   | 5.462G            | 84   | 5.302G            |
| 85                                               | 5.719G            | 86   | 5.611G            | 87   | 5.506G            | 88   | 5.367G            |
| 89                                               | 5.675G            | 90   | 5.586G            | 91   | 5.580G            | 92   | 5.434G            |
| 93                                               | 5.541G            | 94   | 5.468G            | 95   | 5.301G            | 96   | 5.593G            |
| 97                                               | 5.409G            | 98   | 5.493G            | 99   | 5.723G            | 100  | 5.437G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.349G            | 2    | 5.395G            | 3    | 5.493G            | 4    | 5.408G            |
| 5                                                | 5.322G            | 6    | 5.293G            | 7    | 5.389G            | 8    | 5.563G            |
| 9                                                | 5.387G            | 10   | 5.534G            | 11   | 5.704G            | 12   | 5.441G            |
| 13                                               | 5.490G            | 14   | 5.366G            | 15   | 5.344G            | 16   | 5.697G            |
| 17                                               | 5.450G            | 18   | 5.590G            | 19   | 5.657G            | 20   | 5.410G            |
| 21                                               | 5.405G            | 22   | 5.719G            | 23   | 5.423G            | 24   | 5.290G            |
| 25                                               | 5.527G            | 26   | 5.304G            | 27   | 5.270G            | 28   | 5.373G            |
| 29                                               | 5.267G            | 30   | 5.361G            | 31   | 5.318G            | 32   | 5.331G            |
| 33                                               | 5.342G            | 34   | 5.687G            | 35   | 5.391G            | 36   | 5.494G            |
| 37                                               | 5.659G            | 38   | 5.313G            | 39   | 5.624G            | 40   | 5.268G            |
| 41                                               | 5.487G            | 42   | 5.258G            | 43   | 5.272G            | 44   | 5.406G            |
| 45                                               | 5.632G            | 46   | 5.633G            | 47   | 5.443G            | 48   | 5.691G            |
| 49                                               | 5.394G            | 50   | 5.345G            | 51   | 5.312G            | 52   | 5.588G            |
| 53                                               | 5.418G            | 54   | 5.292G            | 55   | 5.696G            | 56   | 5.428G            |
| 57                                               | 5.507G            | 58   | 5.525G            | 59   | 5.380G            | 60   | 5.553G            |
| 61                                               | 5.655G            | 62   | 5.481G            | 63   | 5.651G            | 64   | 5.596G            |
| 65                                               | 5.512G            | 66   | 5.409G            | 67   | 5.707G            | 68   | 5.397G            |
| 69                                               | 5.545G            | 70   | 5.365G            | 71   | 5.375G            | 72   | 5.591G            |
| 73                                               | 5.635G            | 74   | 5.445G            | 75   | 5.364G            | 76   | 5.252G            |
| 77                                               | 5.629G            | 78   | 5.340G            | 79   | 5.326G            | 80   | 5.502G            |
| 81                                               | 5.269G            | 82   | 5.547G            | 83   | 5.336G            | 84   | 5.575G            |
| 85                                               | 5.500G            | 86   | 5.585G            | 87   | 5.448G            | 88   | 5.564G            |
| 89                                               | 5.653G            | 90   | 5.540G            | 91   | 5.504G            | 92   | 5.539G            |
| 93                                               | 5.333G            | 94   | 5.532G            | 95   | 5.438G            | 96   | 5.464G            |
| 97                                               | 5.356G            | 98   | 5.666G            | 99   | 5.262G            | 100  | 5.642G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.563G            | 2    | 5.501G            | 3    | 5.390G            | 4    | 5.261G            |
| 5                                                | 5.695G            | 6    | 5.603G            | 7    | 5.335G            | 8    | 5.446G            |
| 9                                                | 5.409G            | 10   | 5.419G            | 11   | 5.608G            | 12   | 5.308G            |
| 13                                               | 5.337G            | 14   | 5.658G            | 15   | 5.483G            | 16   | 5.510G            |
| 17                                               | 5.585G            | 18   | 5.303G            | 19   | 5.605G            | 20   | 5.442G            |
| 21                                               | 5.598G            | 22   | 5.254G            | 23   | 5.268G            | 24   | 5.584G            |
| 25                                               | 5.666G            | 26   | 5.465G            | 27   | 5.568G            | 28   | 5.629G            |
| 29                                               | 5.674G            | 30   | 5.353G            | 31   | 5.488G            | 32   | 5.457G            |
| 33                                               | 5.703G            | 34   | 5.467G            | 35   | 5.448G            | 36   | 5.657G            |
| 37                                               | 5.413G            | 38   | 5.375G            | 39   | 5.400G            | 40   | 5.429G            |
| 41                                               | 5.538G            | 42   | 5.580G            | 43   | 5.265G            | 44   | 5.309G            |
| 45                                               | 5.253G            | 46   | 5.562G            | 47   | 5.692G            | 48   | 5.496G            |
| 49                                               | 5.489G            | 50   | 5.263G            | 51   | 5.557G            | 52   | 5.315G            |
| 53                                               | 5.472G            | 54   | 5.329G            | 55   | 5.545G            | 56   | 5.407G            |
| 57                                               | 5.521G            | 58   | 5.357G            | 59   | 5.721G            | 60   | 5.471G            |
| 61                                               | 5.717G            | 62   | 5.526G            | 63   | 5.661G            | 64   | 5.259G            |
| 65                                               | 5.592G            | 66   | 5.264G            | 67   | 5.513G            | 68   | 5.498G            |
| 69                                               | 5.348G            | 70   | 5.522G            | 71   | 5.476G            | 72   | 5.290G            |
| 73                                               | 5.461G            | 74   | 5.530G            | 75   | 5.571G            | 76   | 5.543G            |
| 77                                               | 5.401G            | 78   | 5.619G            | 79   | 5.597G            | 80   | 5.399G            |
| 81                                               | 5.706G            | 82   | 5.275G            | 83   | 5.678G            | 84   | 5.647G            |
| 85                                               | 5.367G            | 86   | 5.673G            | 87   | 5.434G            | 88   | 5.338G            |
| 89                                               | 5.255G            | 90   | 5.464G            | 91   | 5.553G            | 92   | 5.537G            |
| 93                                               | 5.459G            | 94   | 5.428G            | 95   | 5.298G            | 96   | 5.403G            |
| 97                                               | 5.424G            | 98   | 5.556G            | 99   | 5.339G            | 100  | 5.506G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.412G            | 2    | 5.285G            | 3    | 5.358G            | 4    | 5.394G            |
| 5                                                | 5.431G            | 6    | 5.710G            | 7    | 5.611G            | 8    | 5.258G            |
| 9                                                | 5.455G            | 10   | 5.598G            | 11   | 5.426G            | 12   | 5.364G            |
| 13                                               | 5.582G            | 14   | 5.525G            | 15   | 5.299G            | 16   | 5.644G            |
| 17                                               | 5.628G            | 18   | 5.337G            | 19   | 5.639G            | 20   | 5.257G            |
| 21                                               | 5.390G            | 22   | 5.385G            | 23   | 5.319G            | 24   | 5.633G            |
| 25                                               | 5.440G            | 26   | 5.464G            | 27   | 5.403G            | 28   | 5.691G            |
| 29                                               | 5.327G            | 30   | 5.372G            | 31   | 5.675G            | 32   | 5.435G            |
| 33                                               | 5.532G            | 34   | 5.414G            | 35   | 5.510G            | 36   | 5.667G            |
| 37                                               | 5.542G            | 38   | 5.254G            | 39   | 5.678G            | 40   | 5.608G            |
| 41                                               | 5.567G            | 42   | 5.459G            | 43   | 5.451G            | 44   | 5.427G            |
| 45                                               | 5.622G            | 46   | 5.462G            | 47   | 5.356G            | 48   | 5.297G            |
| 49                                               | 5.500G            | 50   | 5.261G            | 51   | 5.555G            | 52   | 5.612G            |
| 53                                               | 5.338G            | 54   | 5.590G            | 55   | 5.530G            | 56   | 5.513G            |
| 57                                               | 5.569G            | 58   | 5.487G            | 59   | 5.506G            | 60   | 5.404G            |
| 61                                               | 5.496G            | 62   | 5.361G            | 63   | 5.328G            | 64   | 5.552G            |
| 65                                               | 5.714G            | 66   | 5.528G            | 67   | 5.354G            | 68   | 5.672G            |
| 69                                               | 5.368G            | 70   | 5.370G            | 71   | 5.653G            | 72   | 5.686G            |
| 73                                               | 5.694G            | 74   | 5.442G            | 75   | 5.682G            | 76   | 5.472G            |
| 77                                               | 5.700G            | 78   | 5.556G            | 79   | 5.527G            | 80   | 5.359G            |
| 81                                               | 5.267G            | 82   | 5.518G            | 83   | 5.689G            | 84   | 5.519G            |
| 85                                               | 5.437G            | 86   | 5.434G            | 87   | 5.419G            | 88   | 5.365G            |
| 89                                               | 5.517G            | 90   | 5.709G            | 91   | 5.610G            | 92   | 5.409G            |
| 93                                               | 5.671G            | 94   | 5.557G            | 95   | 5.304G            | 96   | 5.585G            |
| 97                                               | 5.646G            | 98   | 5.617G            | 99   | 5.563G            | 100  | 5.534G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.369G            | 2    | 5.288G            | 3    | 5.646G            | 4    | 5.430G            |
| 5                                                | 5.671G            | 6    | 5.682G            | 7    | 5.584G            | 8    | 5.541G            |
| 9                                                | 5.455G            | 10   | 5.581G            | 11   | 5.478G            | 12   | 5.263G            |
| 13                                               | 5.317G            | 14   | 5.287G            | 15   | 5.512G            | 16   | 5.529G            |
| 17                                               | 5.395G            | 18   | 5.596G            | 19   | 5.428G            | 20   | 5.459G            |
| 21                                               | 5.413G            | 22   | 5.397G            | 23   | 5.567G            | 24   | 5.451G            |
| 25                                               | 5.600G            | 26   | 5.664G            | 27   | 5.688G            | 28   | 5.383G            |
| 29                                               | 5.468G            | 30   | 5.338G            | 31   | 5.598G            | 32   | 5.416G            |
| 33                                               | 5.607G            | 34   | 5.253G            | 35   | 5.448G            | 36   | 5.659G            |
| 37                                               | 5.580G            | 38   | 5.382G            | 39   | 5.342G            | 40   | 5.367G            |
| 41                                               | 5.466G            | 42   | 5.314G            | 43   | 5.437G            | 44   | 5.546G            |
| 45                                               | 5.360G            | 46   | 5.381G            | 47   | 5.573G            | 48   | 5.349G            |
| 49                                               | 5.635G            | 50   | 5.294G            | 51   | 5.588G            | 52   | 5.696G            |
| 53                                               | 5.669G            | 54   | 5.687G            | 55   | 5.533G            | 56   | 5.434G            |
| 57                                               | 5.627G            | 58   | 5.398G            | 59   | 5.605G            | 60   | 5.304G            |
| 61                                               | 5.711G            | 62   | 5.553G            | 63   | 5.672G            | 64   | 5.595G            |
| 65                                               | 5.524G            | 66   | 5.653G            | 67   | 5.648G            | 68   | 5.623G            |
| 69                                               | 5.502G            | 70   | 5.608G            | 71   | 5.707G            | 72   | 5.599G            |
| 73                                               | 5.439G            | 74   | 5.632G            | 75   | 5.457G            | 76   | 5.385G            |
| 77                                               | 5.668G            | 78   | 5.423G            | 79   | 5.587G            | 80   | 5.561G            |
| 81                                               | 5.251G            | 82   | 5.339G            | 83   | 5.436G            | 84   | 5.384G            |
| 85                                               | 5.351G            | 86   | 5.638G            | 87   | 5.568G            | 88   | 5.334G            |
| 89                                               | 5.261G            | 90   | 5.654G            | 91   | 5.355G            | 92   | 5.673G            |
| 93                                               | 5.371G            | 94   | 5.266G            | 95   | 5.556G            | 96   | 5.716G            |
| 97                                               | 5.303G            | 98   | 5.391G            | 99   | 5.386G            | 100  | 5.578G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.397G            | 2    | 5.541G            | 3    | 5.530G            | 4    | 5.288G            |
| 5                                                | 5.436G            | 6    | 5.519G            | 7    | 5.627G            | 8    | 5.631G            |
| 9                                                | 5.456G            | 10   | 5.452G            | 11   | 5.419G            | 12   | 5.636G            |
| 13                                               | 5.327G            | 14   | 5.650G            | 15   | 5.673G            | 16   | 5.396G            |
| 17                                               | 5.554G            | 18   | 5.705G            | 19   | 5.328G            | 20   | 5.442G            |
| 21                                               | 5.355G            | 22   | 5.475G            | 23   | 5.569G            | 24   | 5.381G            |
| 25                                               | 5.365G            | 26   | 5.445G            | 27   | 5.362G            | 28   | 5.719G            |
| 29                                               | 5.330G            | 30   | 5.493G            | 31   | 5.459G            | 32   | 5.324G            |
| 33                                               | 5.497G            | 34   | 5.722G            | 35   | 5.372G            | 36   | 5.645G            |
| 37                                               | 5.581G            | 38   | 5.495G            | 39   | 5.711G            | 40   | 5.678G            |
| 41                                               | 5.521G            | 42   | 5.539G            | 43   | 5.298G            | 44   | 5.500G            |
| 45                                               | 5.556G            | 46   | 5.542G            | 47   | 5.640G            | 48   | 5.608G            |
| 49                                               | 5.523G            | 50   | 5.306G            | 51   | 5.538G            | 52   | 5.723G            |
| 53                                               | 5.392G            | 54   | 5.618G            | 55   | 5.462G            | 56   | 5.696G            |
| 57                                               | 5.479G            | 58   | 5.574G            | 59   | 5.279G            | 60   | 5.307G            |
| 61                                               | 5.375G            | 62   | 5.690G            | 63   | 5.634G            | 64   | 5.384G            |
| 65                                               | 5.566G            | 66   | 5.433G            | 67   | 5.363G            | 68   | 5.350G            |
| 69                                               | 5.661G            | 70   | 5.265G            | 71   | 5.715G            | 72   | 5.465G            |
| 73                                               | 5.582G            | 74   | 5.354G            | 75   | 5.551G            | 76   | 5.287G            |
| 77                                               | 5.338G            | 78   | 5.441G            | 79   | 5.273G            | 80   | 5.598G            |
| 81                                               | 5.534G            | 82   | 5.468G            | 83   | 5.579G            | 84   | 5.502G            |
| 85                                               | 5.257G            | 86   | 5.543G            | 87   | 5.639G            | 88   | 5.577G            |
| 89                                               | 5.254G            | 90   | 5.552G            | 91   | 5.425G            | 92   | 5.404G            |
| 93                                               | 5.361G            | 94   | 5.352G            | 95   | 5.585G            | 96   | 5.578G            |
| 97                                               | 5.376G            | 98   | 5.536G            | 99   | 5.691G            | 100  | 5.432G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.632G            | 2    | 5.429G            | 3    | 5.484G            | 4    | 5.565G            |
| 5                                                | 5.691G            | 6    | 5.560G            | 7    | 5.699G            | 8    | 5.402G            |
| 9                                                | 5.313G            | 10   | 5.534G            | 11   | 5.260G            | 12   | 5.389G            |
| 13                                               | 5.711G            | 14   | 5.409G            | 15   | 5.496G            | 16   | 5.290G            |
| 17                                               | 5.713G            | 18   | 5.487G            | 19   | 5.514G            | 20   | 5.472G            |
| 21                                               | 5.468G            | 22   | 5.680G            | 23   | 5.354G            | 24   | 5.312G            |
| 25                                               | 5.645G            | 26   | 5.693G            | 27   | 5.536G            | 28   | 5.499G            |
| 29                                               | 5.592G            | 30   | 5.380G            | 31   | 5.529G            | 32   | 5.572G            |
| 33                                               | 5.304G            | 34   | 5.408G            | 35   | 5.681G            | 36   | 5.308G            |
| 37                                               | 5.511G            | 38   | 5.374G            | 39   | 5.515G            | 40   | 5.590G            |
| 41                                               | 5.471G            | 42   | 5.294G            | 43   | 5.458G            | 44   | 5.655G            |
| 45                                               | 5.270G            | 46   | 5.269G            | 47   | 5.672G            | 48   | 5.498G            |
| 49                                               | 5.352G            | 50   | 5.721G            | 51   | 5.422G            | 52   | 5.598G            |
| 53                                               | 5.276G            | 54   | 5.390G            | 55   | 5.489G            | 56   | 5.555G            |
| 57                                               | 5.651G            | 58   | 5.591G            | 59   | 5.597G            | 60   | 5.442G            |
| 61                                               | 5.329G            | 62   | 5.671G            | 63   | 5.634G            | 64   | 5.454G            |
| 65                                               | 5.462G            | 66   | 5.355G            | 67   | 5.309G            | 68   | 5.475G            |
| 69                                               | 5.559G            | 70   | 5.662G            | 71   | 5.701G            | 72   | 5.459G            |
| 73                                               | 5.252G            | 74   | 5.543G            | 75   | 5.395G            | 76   | 5.350G            |
| 77                                               | 5.465G            | 78   | 5.463G            | 79   | 5.336G            | 80   | 5.470G            |
| 81                                               | 5.426G            | 82   | 5.401G            | 83   | 5.411G            | 84   | 5.452G            |
| 85                                               | 5.676G            | 86   | 5.524G            | 87   | 5.719G            | 88   | 5.646G            |
| 89                                               | 5.324G            | 90   | 5.626G            | 91   | 5.568G            | 92   | 5.334G            |
| 93                                               | 5.385G            | 94   | 5.717G            | 95   | 5.332G            | 96   | 5.694G            |
| 97                                               | 5.317G            | 98   | 5.495G            | 99   | 5.523G            | 100  | 5.420G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.535G         | 2    | 5.336G         | 3    | 5.400G         | 4    | 5.605G         |
| 5                                                | 5.563G         | 6    | 5.428G         | 7    | 5.499G         | 8    | 5.602G         |
| 9                                                | 5.672G         | 10   | 5.537G         | 11   | 5.714G         | 12   | 5.334G         |
| 13                                               | 5.538G         | 14   | 5.633G         | 15   | 5.266G         | 16   | 5.553G         |
| 17                                               | 5.707G         | 18   | 5.261G         | 19   | 5.582G         | 20   | 5.667G         |
| 21                                               | 5.379G         | 22   | 5.702G         | 23   | 5.573G         | 24   | 5.457G         |
| 25                                               | 5.481G         | 26   | 5.510G         | 27   | 5.357G         | 28   | 5.575G         |
| 29                                               | 5.618G         | 30   | 5.622G         | 31   | 5.356G         | 32   | 5.596G         |
| 33                                               | 5.253G         | 34   | 5.384G         | 35   | 5.314G         | 36   | 5.616G         |
| 37                                               | 5.669G         | 38   | 5.340G         | 39   | 5.374G         | 40   | 5.632G         |
| 41                                               | 5.686G         | 42   | 5.718G         | 43   | 5.412G         | 44   | 5.506G         |
| 45                                               | 5.375G         | 46   | 5.272G         | 47   | 5.611G         | 48   | 5.293G         |
| 49                                               | 5.496G         | 50   | 5.305G         | 51   | 5.512G         | 52   | 5.699G         |
| 53                                               | 5.401G         | 54   | 5.395G         | 55   | 5.586G         | 56   | 5.373G         |
| 57                                               | 5.565G         | 58   | 5.525G         | 59   | 5.694G         | 60   | 5.426G         |
| 61                                               | 5.678G         | 62   | 5.579G         | 63   | 5.446G         | 64   | 5.592G         |
| 65                                               | 5.474G         | 66   | 5.677G         | 67   | 5.328G         | 68   | 5.556G         |
| 69                                               | 5.275G         | 70   | 5.486G         | 71   | 5.561G         | 72   | 5.635G         |
| 73                                               | 5.270G         | 74   | 5.703G         | 75   | 5.723G         | 76   | 5.327G         |
| 77                                               | 5.668G         | 78   | 5.546G         | 79   | 5.654G         | 80   | 5.560G         |
| 81                                               | 5.344G         | 82   | 5.313G         | 83   | 5.378G         | 84   | 5.567G         |
| 85                                               | 5.511G         | 86   | 5.629G         | 87   | 5.394G         | 88   | 5.468G         |
| 89                                               | 5.488G         | 90   | 5.436G         | 91   | 5.645G         | 92   | 5.465G         |
| 93                                               | 5.265G         | 94   | 5.578G         | 95   | 5.442G         | 96   | 5.559G         |
| 97                                               | 5.717G         | 98   | 5.441G         | 99   | 5.454G         | 100  | 5.393G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.659G            | 2    | 5.646G            | 3    | 5.553G            | 4    | 5.544G            |
| 5                                                | 5.533G            | 6    | 5.658G            | 7    | 5.667G            | 8    | 5.696G            |
| 9                                                | 5.283G            | 10   | 5.574G            | 11   | 5.531G            | 12   | 5.607G            |
| 13                                               | 5.430G            | 14   | 5.623G            | 15   | 5.470G            | 16   | 5.385G            |
| 17                                               | 5.614G            | 18   | 5.423G            | 19   | 5.411G            | 20   | 5.501G            |
| 21                                               | 5.632G            | 22   | 5.536G            | 23   | 5.485G            | 24   | 5.576G            |
| 25                                               | 5.449G            | 26   | 5.397G            | 27   | 5.401G            | 28   | 5.606G            |
| 29                                               | 5.603G            | 30   | 5.580G            | 31   | 5.629G            | 32   | 5.638G            |
| 33                                               | 5.507G            | 34   | 5.688G            | 35   | 5.404G            | 36   | 5.627G            |
| 37                                               | 5.316G            | 38   | 5.717G            | 39   | 5.654G            | 40   | 5.384G            |
| 41                                               | 5.280G            | 42   | 5.434G            | 43   | 5.513G            | 44   | 5.302G            |
| 45                                               | 5.395G            | 46   | 5.613G            | 47   | 5.711G            | 48   | 5.472G            |
| 49                                               | 5.566G            | 50   | 5.274G            | 51   | 5.346G            | 52   | 5.388G            |
| 53                                               | 5.497G            | 54   | 5.672G            | 55   | 5.657G            | 56   | 5.537G            |
| 57                                               | 5.573G            | 58   | 5.479G            | 59   | 5.630G            | 60   | 5.693G            |
| 61                                               | 5.292G            | 62   | 5.289G            | 63   | 5.597G            | 64   | 5.315G            |
| 65                                               | 5.569G            | 66   | 5.545G            | 67   | 5.321G            | 68   | 5.443G            |
| 69                                               | 5.489G            | 70   | 5.429G            | 71   | 5.676G            | 72   | 5.555G            |
| 73                                               | 5.275G            | 74   | 5.417G            | 75   | 5.628G            | 76   | 5.565G            |
| 77                                               | 5.666G            | 78   | 5.294G            | 79   | 5.298G            | 80   | 5.295G            |
| 81                                               | 5.296G            | 82   | 5.557G            | 83   | 5.297G            | 84   | 5.564G            |
| 85                                               | 5.530G            | 86   | 5.352G            | 87   | 5.637G            | 88   | 5.377G            |
| 89                                               | 5.694G            | 90   | 5.382G            | 91   | 5.350G            | 92   | 5.282G            |
| 93                                               | 5.543G            | 94   | 5.550G            | 95   | 5.512G            | 96   | 5.568G            |
| 97                                               | 5.323G            | 98   | 5.330G            | 99   | 5.488G            | 100  | 5.490G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.440G            | 2    | 5.482G            | 3    | 5.715G            | 4    | 5.408G            |
| 5                                                | 5.448G            | 6    | 5.512G            | 7    | 5.450G            | 8    | 5.352G            |
| 9                                                | 5.329G            | 10   | 5.463G            | 11   | 5.250G            | 12   | 5.293G            |
| 13                                               | 5.707G            | 14   | 5.341G            | 15   | 5.467G            | 16   | 5.343G            |
| 17                                               | 5.564G            | 18   | 5.444G            | 19   | 5.465G            | 20   | 5.308G            |
| 21                                               | 5.711G            | 22   | 5.670G            | 23   | 5.339G            | 24   | 5.709G            |
| 25                                               | 5.599G            | 26   | 5.405G            | 27   | 5.334G            | 28   | 5.674G            |
| 29                                               | 5.669G            | 30   | 5.671G            | 31   | 5.297G            | 32   | 5.328G            |
| 33                                               | 5.652G            | 34   | 5.270G            | 35   | 5.486G            | 36   | 5.396G            |
| 37                                               | 5.277G            | 38   | 5.479G            | 39   | 5.407G            | 40   | 5.649G            |
| 41                                               | 5.495G            | 42   | 5.611G            | 43   | 5.355G            | 44   | 5.386G            |
| 45                                               | 5.399G            | 46   | 5.462G            | 47   | 5.484G            | 48   | 5.310G            |
| 49                                               | 5.500G            | 50   | 5.718G            | 51   | 5.472G            | 52   | 5.443G            |
| 53                                               | 5.340G            | 54   | 5.503G            | 55   | 5.415G            | 56   | 5.608G            |
| 57                                               | 5.342G            | 58   | 5.419G            | 59   | 5.299G            | 60   | 5.547G            |
| 61                                               | 5.485G            | 62   | 5.687G            | 63   | 5.321G            | 64   | 5.410G            |
| 65                                               | 5.420G            | 66   | 5.376G            | 67   | 5.417G            | 68   | 5.686G            |
| 69                                               | 5.523G            | 70   | 5.700G            | 71   | 5.594G            | 72   | 5.557G            |
| 73                                               | 5.369G            | 74   | 5.704G            | 75   | 5.385G            | 76   | 5.581G            |
| 77                                               | 5.701G            | 78   | 5.453G            | 79   | 5.536G            | 80   | 5.580G            |
| 81                                               | 5.717G            | 82   | 5.452G            | 83   | 5.344G            | 84   | 5.251G            |
| 85                                               | 5.712G            | 86   | 5.555G            | 87   | 5.632G            | 88   | 5.429G            |
| 89                                               | 5.268G            | 90   | 5.604G            | 91   | 5.543G            | 92   | 5.641G            |
| 93                                               | 5.647G            | 94   | 5.562G            | 95   | 5.521G            | 96   | 5.446G            |
| 97                                               | 5.359G            | 98   | 5.637G            | 99   | 5.576G            | 100  | 5.705G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.481G            | 2    | 5.623G            | 3    | 5.346G            | 4    | 5.289G            |
| 5                                                | 5.487G            | 6    | 5.683G            | 7    | 5.692G            | 8    | 5.649G            |
| 9                                                | 5.396G            | 10   | 5.276G            | 11   | 5.592G            | 12   | 5.542G            |
| 13                                               | 5.398G            | 14   | 5.682G            | 15   | 5.489G            | 16   | 5.611G            |
| 17                                               | 5.624G            | 18   | 5.337G            | 19   | 5.378G            | 20   | 5.695G            |
| 21                                               | 5.670G            | 22   | 5.583G            | 23   | 5.502G            | 24   | 5.462G            |
| 25                                               | 5.406G            | 26   | 5.700G            | 27   | 5.408G            | 28   | 5.657G            |
| 29                                               | 5.540G            | 30   | 5.532G            | 31   | 5.719G            | 32   | 5.299G            |
| 33                                               | 5.371G            | 34   | 5.323G            | 35   | 5.418G            | 36   | 5.705G            |
| 37                                               | 5.693G            | 38   | 5.524G            | 39   | 5.598G            | 40   | 5.591G            |
| 41                                               | 5.669G            | 42   | 5.541G            | 43   | 5.324G            | 44   | 5.426G            |
| 45                                               | 5.368G            | 46   | 5.571G            | 47   | 5.668G            | 48   | 5.325G            |
| 49                                               | 5.260G            | 50   | 5.416G            | 51   | 5.333G            | 52   | 5.676G            |
| 53                                               | 5.383G            | 54   | 5.513G            | 55   | 5.525G            | 56   | 5.255G            |
| 57                                               | 5.466G            | 58   | 5.625G            | 59   | 5.400G            | 60   | 5.348G            |
| 61                                               | 5.572G            | 62   | 5.638G            | 63   | 5.266G            | 64   | 5.559G            |
| 65                                               | 5.468G            | 66   | 5.621G            | 67   | 5.251G            | 68   | 5.265G            |
| 69                                               | 5.444G            | 70   | 5.254G            | 71   | 5.622G            | 72   | 5.561G            |
| 73                                               | 5.459G            | 74   | 5.717G            | 75   | 5.417G            | 76   | 5.687G            |
| 77                                               | 5.551G            | 78   | 5.706G            | 79   | 5.718G            | 80   | 5.336G            |
| 81                                               | 5.522G            | 82   | 5.651G            | 83   | 5.671G            | 84   | 5.305G            |
| 85                                               | 5.685G            | 86   | 5.640G            | 87   | 5.617G            | 88   | 5.708G            |
| 89                                               | 5.347G            | 90   | 5.450G            | 91   | 5.369G            | 92   | 5.318G            |
| 93                                               | 5.461G            | 94   | 5.303G            | 95   | 5.660G            | 96   | 5.330G            |
| 97                                               | 5.288G            | 98   | 5.379G            | 99   | 5.608G            | 100  | 5.449G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.716G            | 2    | 5.412G            | 3    | 5.724G            | 4    | 5.649G            |
| 5                                                | 5.531G            | 6    | 5.618G            | 7    | 5.534G            | 8    | 5.699G            |
| 9                                                | 5.701G            | 10   | 5.525G            | 11   | 5.590G            | 12   | 5.720G            |
| 13                                               | 5.340G            | 14   | 5.440G            | 15   | 5.372G            | 16   | 5.461G            |
| 17                                               | 5.389G            | 18   | 5.275G            | 19   | 5.452G            | 20   | 5.451G            |
| 21                                               | 5.658G            | 22   | 5.483G            | 23   | 5.533G            | 24   | 5.393G            |
| 25                                               | 5.642G            | 26   | 5.516G            | 27   | 5.630G            | 28   | 5.471G            |
| 29                                               | 5.322G            | 30   | 5.410G            | 31   | 5.485G            | 32   | 5.604G            |
| 33                                               | 5.467G            | 34   | 5.304G            | 35   | 5.650G            | 36   | 5.327G            |
| 37                                               | 5.586G            | 38   | 5.648G            | 39   | 5.268G            | 40   | 5.257G            |
| 41                                               | 5.564G            | 42   | 5.346G            | 43   | 5.593G            | 44   | 5.592G            |
| 45                                               | 5.442G            | 46   | 5.626G            | 47   | 5.610G            | 48   | 5.625G            |
| 49                                               | 5.373G            | 50   | 5.594G            | 51   | 5.601G            | 52   | 5.441G            |
| 53                                               | 5.654G            | 54   | 5.383G            | 55   | 5.271G            | 56   | 5.694G            |
| 57                                               | 5.678G            | 58   | 5.405G            | 59   | 5.709G            | 60   | 5.714G            |
| 61                                               | 5.526G            | 62   | 5.295G            | 63   | 5.687G            | 64   | 5.579G            |
| 65                                               | 5.609G            | 66   | 5.632G            | 67   | 5.319G            | 68   | 5.400G            |
| 69                                               | 5.599G            | 70   | 5.547G            | 71   | 5.431G            | 72   | 5.572G            |
| 73                                               | 5.598G            | 74   | 5.392G            | 75   | 5.450G            | 76   | 5.365G            |
| 77                                               | 5.299G            | 78   | 5.514G            | 79   | 5.635G            | 80   | 5.505G            |
| 81                                               | 5.321G            | 82   | 5.426G            | 83   | 5.256G            | 84   | 5.263G            |
| 85                                               | 5.634G            | 86   | 5.345G            | 87   | 5.342G            | 88   | 5.669G            |
| 89                                               | 5.476G            | 90   | 5.646G            | 91   | 5.251G            | 92   | 5.333G            |
| 93                                               | 5.611G            | 94   | 5.445G            | 95   | 5.510G            | 96   | 5.307G            |
| 97                                               | 5.448G            | 98   | 5.513G            | 99   | 5.376G            | 100  | 5.464G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.632G            | 2    | 5.617G            | 3    | 5.551G            | 4    | 5.529G            |
| 5                                                | 5.436G            | 6    | 5.571G            | 7    | 5.416G            | 8    | 5.669G            |
| 9                                                | 5.506G            | 10   | 5.389G            | 11   | 5.719G            | 12   | 5.679G            |
| 13                                               | 5.609G            | 14   | 5.295G            | 15   | 5.367G            | 16   | 5.255G            |
| 17                                               | 5.310G            | 18   | 5.531G            | 19   | 5.717G            | 20   | 5.314G            |
| 21                                               | 5.655G            | 22   | 5.414G            | 23   | 5.612G            | 24   | 5.479G            |
| 25                                               | 5.377G            | 26   | 5.404G            | 27   | 5.336G            | 28   | 5.692G            |
| 29                                               | 5.561G            | 30   | 5.319G            | 31   | 5.656G            | 32   | 5.712G            |
| 33                                               | 5.549G            | 34   | 5.449G            | 35   | 5.610G            | 36   | 5.579G            |
| 37                                               | 5.665G            | 38   | 5.628G            | 39   | 5.553G            | 40   | 5.627G            |
| 41                                               | 5.372G            | 42   | 5.587G            | 43   | 5.483G            | 44   | 5.538G            |
| 45                                               | 5.433G            | 46   | 5.275G            | 47   | 5.453G            | 48   | 5.671G            |
| 49                                               | 5.478G            | 50   | 5.437G            | 51   | 5.370G            | 52   | 5.334G            |
| 53                                               | 5.289G            | 54   | 5.403G            | 55   | 5.324G            | 56   | 5.474G            |
| 57                                               | 5.535G            | 58   | 5.663G            | 59   | 5.658G            | 60   | 5.446G            |
| 61                                               | 5.484G            | 62   | 5.311G            | 63   | 5.591G            | 64   | 5.564G            |
| 65                                               | 5.708G            | 66   | 5.526G            | 67   | 5.439G            | 68   | 5.351G            |
| 69                                               | 5.357G            | 70   | 5.664G            | 71   | 5.510G            | 72   | 5.567G            |
| 73                                               | 5.696G            | 74   | 5.605G            | 75   | 5.557G            | 76   | 5.323G            |
| 77                                               | 5.274G            | 78   | 5.555G            | 79   | 5.624G            | 80   | 5.659G            |
| 81                                               | 5.384G            | 82   | 5.283G            | 83   | 5.554G            | 84   | 5.445G            |
| 85                                               | 5.674G            | 86   | 5.423G            | 87   | 5.651G            | 88   | 5.298G            |
| 89                                               | 5.320G            | 90   | 5.316G            | 91   | 5.381G            | 92   | 5.430G            |
| 93                                               | 5.566G            | 94   | 5.465G            | 95   | 5.616G            | 96   | 5.405G            |
| 97                                               | 5.299G            | 98   | 5.662G            | 99   | 5.512G            | 100  | 5.643G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.639G            | 2    | 5.344G            | 3    | 5.621G            | 4    | 5.542G            |
| 5                                                | 5.525G            | 6    | 5.461G            | 7    | 5.695G            | 8    | 5.358G            |
| 9                                                | 5.627G            | 10   | 5.582G            | 11   | 5.449G            | 12   | 5.281G            |
| 13                                               | 5.479G            | 14   | 5.357G            | 15   | 5.285G            | 16   | 5.567G            |
| 17                                               | 5.484G            | 18   | 5.271G            | 19   | 5.445G            | 20   | 5.571G            |
| 21                                               | 5.453G            | 22   | 5.391G            | 23   | 5.341G            | 24   | 5.499G            |
| 25                                               | 5.708G            | 26   | 5.361G            | 27   | 5.685G            | 28   | 5.634G            |
| 29                                               | 5.383G            | 30   | 5.570G            | 31   | 5.631G            | 32   | 5.515G            |
| 33                                               | 5.558G            | 34   | 5.276G            | 35   | 5.526G            | 36   | 5.265G            |
| 37                                               | 5.661G            | 38   | 5.687G            | 39   | 5.435G            | 40   | 5.697G            |
| 41                                               | 5.296G            | 42   | 5.284G            | 43   | 5.368G            | 44   | 5.309G            |
| 45                                               | 5.495G            | 46   | 5.682G            | 47   | 5.345G            | 48   | 5.434G            |
| 49                                               | 5.642G            | 50   | 5.275G            | 51   | 5.716G            | 52   | 5.596G            |
| 53                                               | 5.707G            | 54   | 5.307G            | 55   | 5.351G            | 56   | 5.295G            |
| 57                                               | 5.478G            | 58   | 5.630G            | 59   | 5.269G            | 60   | 5.660G            |
| 61                                               | 5.282G            | 62   | 5.486G            | 63   | 5.662G            | 64   | 5.417G            |
| 65                                               | 5.444G            | 66   | 5.557G            | 67   | 5.603G            | 68   | 5.333G            |
| 69                                               | 5.619G            | 70   | 5.601G            | 71   | 5.314G            | 72   | 5.510G            |
| 73                                               | 5.279G            | 74   | 5.645G            | 75   | 5.396G            | 76   | 5.420G            |
| 77                                               | 5.584G            | 78   | 5.326G            | 79   | 5.260G            | 80   | 5.659G            |
| 81                                               | 5.532G            | 82   | 5.379G            | 83   | 5.431G            | 84   | 5.507G            |
| 85                                               | 5.518G            | 86   | 5.467G            | 87   | 5.412G            | 88   | 5.580G            |
| 89                                               | 5.372G            | 90   | 5.308G            | 91   | 5.401G            | 92   | 5.537G            |
| 93                                               | 5.455G            | 94   | 5.604G            | 95   | 5.393G            | 96   | 5.672G            |
| 97                                               | 5.541G            | 98   | 5.643G            | 99   | 5.365G            | 100  | 5.463G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.428G            | 2    | 5.637G            | 3    | 5.611G            | 4    | 5.704G            |
| 5                                                | 5.718G            | 6    | 5.287G            | 7    | 5.644G            | 8    | 5.411G            |
| 9                                                | 5.709G            | 10   | 5.493G            | 11   | 5.350G            | 12   | 5.614G            |
| 13                                               | 5.257G            | 14   | 5.447G            | 15   | 5.299G            | 16   | 5.294G            |
| 17                                               | 5.377G            | 18   | 5.457G            | 19   | 5.609G            | 20   | 5.703G            |
| 21                                               | 5.448G            | 22   | 5.417G            | 23   | 5.389G            | 24   | 5.385G            |
| 25                                               | 5.357G            | 26   | 5.450G            | 27   | 5.528G            | 28   | 5.536G            |
| 29                                               | 5.489G            | 30   | 5.358G            | 31   | 5.712G            | 32   | 5.271G            |
| 33                                               | 5.529G            | 34   | 5.264G            | 35   | 5.329G            | 36   | 5.361G            |
| 37                                               | 5.320G            | 38   | 5.713G            | 39   | 5.514G            | 40   | 5.583G            |
| 41                                               | 5.253G            | 42   | 5.443G            | 43   | 5.484G            | 44   | 5.362G            |
| 45                                               | 5.680G            | 46   | 5.283G            | 47   | 5.664G            | 48   | 5.424G            |
| 49                                               | 5.569G            | 50   | 5.656G            | 51   | 5.300G            | 52   | 5.373G            |
| 53                                               | 5.636G            | 54   | 5.596G            | 55   | 5.434G            | 56   | 5.557G            |
| 57                                               | 5.354G            | 58   | 5.627G            | 59   | 5.587G            | 60   | 5.376G            |
| 61                                               | 5.655G            | 62   | 5.251G            | 63   | 5.585G            | 64   | 5.695G            |
| 65                                               | 5.293G            | 66   | 5.710G            | 67   | 5.367G            | 68   | 5.446G            |
| 69                                               | 5.334G            | 70   | 5.435G            | 71   | 5.595G            | 72   | 5.379G            |
| 73                                               | 5.398G            | 74   | 5.551G            | 75   | 5.653G            | 76   | 5.401G            |
| 77                                               | 5.423G            | 78   | 5.275G            | 79   | 5.510G            | 80   | 5.488G            |
| 81                                               | 5.553G            | 82   | 5.254G            | 83   | 5.699G            | 84   | 5.708G            |
| 85                                               | 5.280G            | 86   | 5.292G            | 87   | 5.286G            | 88   | 5.544G            |
| 89                                               | 5.395G            | 90   | 5.459G            | 91   | 5.487G            | 92   | 5.455G            |
| 93                                               | 5.547G            | 94   | 5.391G            | 95   | 5.560G            | 96   | 5.625G            |
| 97                                               | 5.501G            | 98   | 5.612G            | 99   | 5.512G            | 100  | 5.556G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.291G            | 2    | 5.612G            | 3    | 5.548G            | 4    | 5.673G            |
| 5                                                | 5.268G            | 6    | 5.410G            | 7    | 5.699G            | 8    | 5.668G            |
| 9                                                | 5.600G            | 10   | 5.288G            | 11   | 5.431G            | 12   | 5.470G            |
| 13                                               | 5.714G            | 14   | 5.391G            | 15   | 5.651G            | 16   | 5.377G            |
| 17                                               | 5.539G            | 18   | 5.253G            | 19   | 5.645G            | 20   | 5.501G            |
| 21                                               | 5.684G            | 22   | 5.423G            | 23   | 5.565G            | 24   | 5.561G            |
| 25                                               | 5.724G            | 26   | 5.426G            | 27   | 5.681G            | 28   | 5.608G            |
| 29                                               | 5.683G            | 30   | 5.328G            | 31   | 5.283G            | 32   | 5.558G            |
| 33                                               | 5.589G            | 34   | 5.461G            | 35   | 5.368G            | 36   | 5.659G            |
| 37                                               | 5.256G            | 38   | 5.710G            | 39   | 5.322G            | 40   | 5.617G            |
| 41                                               | 5.555G            | 42   | 5.522G            | 43   | 5.424G            | 44   | 5.705G            |
| 45                                               | 5.304G            | 46   | 5.415G            | 47   | 5.356G            | 48   | 5.469G            |
| 49                                               | 5.582G            | 50   | 5.496G            | 51   | 5.513G            | 52   | 5.642G            |
| 53                                               | 5.401G            | 54   | 5.272G            | 55   | 5.579G            | 56   | 5.455G            |
| 57                                               | 5.385G            | 58   | 5.489G            | 59   | 5.662G            | 60   | 5.716G            |
| 61                                               | 5.605G            | 62   | 5.528G            | 63   | 5.347G            | 64   | 5.483G            |
| 65                                               | 5.281G            | 66   | 5.263G            | 67   | 5.601G            | 68   | 5.613G            |
| 69                                               | 5.417G            | 70   | 5.620G            | 71   | 5.587G            | 72   | 5.351G            |
| 73                                               | 5.367G            | 74   | 5.441G            | 75   | 5.418G            | 76   | 5.721G            |
| 77                                               | 5.359G            | 78   | 5.557G            | 79   | 5.687G            | 80   | 5.619G            |
| 81                                               | 5.708G            | 82   | 5.676G            | 83   | 5.350G            | 84   | 5.704G            |
| 85                                               | 5.429G            | 86   | 5.664G            | 87   | 5.419G            | 88   | 5.498G            |
| 89                                               | 5.262G            | 90   | 5.698G            | 91   | 5.310G            | 92   | 5.433G            |
| 93                                               | 5.422G            | 94   | 5.656G            | 95   | 5.652G            | 96   | 5.494G            |
| 97                                               | 5.428G            | 98   | 5.543G            | 99   | 5.518G            | 100  | 5.615G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.369G            | 2    | 5.605G            | 3    | 5.405G            | 4    | 5.277G            |
| 5                                                | 5.613G            | 6    | 5.500G            | 7    | 5.427G            | 8    | 5.490G            |
| 9                                                | 5.279G            | 10   | 5.353G            | 11   | 5.579G            | 12   | 5.581G            |
| 13                                               | 5.691G            | 14   | 5.377G            | 15   | 5.635G            | 16   | 5.723G            |
| 17                                               | 5.662G            | 18   | 5.672G            | 19   | 5.638G            | 20   | 5.435G            |
| 21                                               | 5.271G            | 22   | 5.310G            | 23   | 5.325G            | 24   | 5.455G            |
| 25                                               | 5.562G            | 26   | 5.419G            | 27   | 5.495G            | 28   | 5.483G            |
| 29                                               | 5.504G            | 30   | 5.697G            | 31   | 5.713G            | 32   | 5.587G            |
| 33                                               | 5.529G            | 34   | 5.503G            | 35   | 5.481G            | 36   | 5.505G            |
| 37                                               | 5.716G            | 38   | 5.453G            | 39   | 5.698G            | 40   | 5.602G            |
| 41                                               | 5.364G            | 42   | 5.614G            | 43   | 5.521G            | 44   | 5.418G            |
| 45                                               | 5.376G            | 46   | 5.689G            | 47   | 5.251G            | 48   | 5.619G            |
| 49                                               | 5.286G            | 50   | 5.686G            | 51   | 5.485G            | 52   | 5.650G            |
| 53                                               | 5.415G            | 54   | 5.475G            | 55   | 5.340G            | 56   | 5.371G            |
| 57                                               | 5.295G            | 58   | 5.299G            | 59   | 5.688G            | 60   | 5.578G            |
| 61                                               | 5.706G            | 62   | 5.551G            | 63   | 5.520G            | 64   | 5.724G            |
| 65                                               | 5.588G            | 66   | 5.622G            | 67   | 5.438G            | 68   | 5.319G            |
| 69                                               | 5.400G            | 70   | 5.454G            | 71   | 5.265G            | 72   | 5.282G            |
| 73                                               | 5.573G            | 74   | 5.432G            | 75   | 5.327G            | 76   | 5.306G            |
| 77                                               | 5.667G            | 78   | 5.668G            | 79   | 5.679G            | 80   | 5.300G            |
| 81                                               | 5.443G            | 82   | 5.386G            | 83   | 5.368G            | 84   | 5.705G            |
| 85                                               | 5.291G            | 86   | 5.555G            | 87   | 5.502G            | 88   | 5.423G            |
| 89                                               | 5.701G            | 90   | 5.592G            | 91   | 5.634G            | 92   | 5.285G            |
| 93                                               | 5.558G            | 94   | 5.488G            | 95   | 5.337G            | 96   | 5.480G            |
| 97                                               | 5.426G            | 98   | 5.390G            | 99   | 5.526G            | 100  | 5.700G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.276G            | 2    | 5.446G            | 3    | 5.404G            | 4    | 5.334G            |
| 5                                                | 5.339G            | 6    | 5.338G            | 7    | 5.693G            | 8    | 5.522G            |
| 9                                                | 5.295G            | 10   | 5.653G            | 11   | 5.528G            | 12   | 5.541G            |
| 13                                               | 5.464G            | 14   | 5.676G            | 15   | 5.360G            | 16   | 5.629G            |
| 17                                               | 5.468G            | 18   | 5.636G            | 19   | 5.624G            | 20   | 5.298G            |
| 21                                               | 5.316G            | 22   | 5.651G            | 23   | 5.657G            | 24   | 5.390G            |
| 25                                               | 5.521G            | 26   | 5.387G            | 27   | 5.280G            | 28   | 5.534G            |
| 29                                               | 5.302G            | 30   | 5.341G            | 31   | 5.342G            | 32   | 5.413G            |
| 33                                               | 5.654G            | 34   | 5.275G            | 35   | 5.489G            | 36   | 5.554G            |
| 37                                               | 5.459G            | 38   | 5.496G            | 39   | 5.437G            | 40   | 5.444G            |
| 41                                               | 5.538G            | 42   | 5.591G            | 43   | 5.304G            | 44   | 5.520G            |
| 45                                               | 5.283G            | 46   | 5.325G            | 47   | 5.660G            | 48   | 5.707G            |
| 49                                               | 5.677G            | 50   | 5.259G            | 51   | 5.559G            | 52   | 5.386G            |
| 53                                               | 5.501G            | 54   | 5.410G            | 55   | 5.441G            | 56   | 5.384G            |
| 57                                               | 5.447G            | 58   | 5.337G            | 59   | 5.273G            | 60   | 5.645G            |
| 61                                               | 5.429G            | 62   | 5.398G            | 63   | 5.504G            | 64   | 5.291G            |
| 65                                               | 5.419G            | 66   | 5.564G            | 67   | 5.354G            | 68   | 5.597G            |
| 69                                               | 5.530G            | 70   | 5.411G            | 71   | 5.445G            | 72   | 5.336G            |
| 73                                               | 5.627G            | 74   | 5.409G            | 75   | 5.535G            | 76   | 5.292G            |
| 77                                               | 5.599G            | 78   | 5.583G            | 79   | 5.359G            | 80   | 5.277G            |
| 81                                               | 5.639G            | 82   | 5.697G            | 83   | 5.266G            | 84   | 5.555G            |
| 85                                               | 5.422G            | 86   | 5.290G            | 87   | 5.498G            | 88   | 5.692G            |
| 89                                               | 5.402G            | 90   | 5.670G            | 91   | 5.718G            | 92   | 5.281G            |
| 93                                               | 5.561G            | 94   | 5.366G            | 95   | 5.592G            | 96   | 5.250G            |
| 97                                               | 5.450G            | 98   | 5.423G            | 99   | 5.395G            | 100  | 5.678G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.608G            | 2    | 5.566G            | 3    | 5.636G            | 4    | 5.493G            |
| 5                                                | 5.556G            | 6    | 5.536G            | 7    | 5.540G            | 8    | 5.537G            |
| 9                                                | 5.391G            | 10   | 5.456G            | 11   | 5.459G            | 12   | 5.597G            |
| 13                                               | 5.412G            | 14   | 5.708G            | 15   | 5.702G            | 16   | 5.594G            |
| 17                                               | 5.642G            | 18   | 5.612G            | 19   | 5.290G            | 20   | 5.582G            |
| 21                                               | 5.294G            | 22   | 5.467G            | 23   | 5.437G            | 24   | 5.285G            |
| 25                                               | 5.295G            | 26   | 5.532G            | 27   | 5.541G            | 28   | 5.516G            |
| 29                                               | 5.476G            | 30   | 5.505G            | 31   | 5.639G            | 32   | 5.515G            |
| 33                                               | 5.551G            | 34   | 5.587G            | 35   | 5.429G            | 36   | 5.514G            |
| 37                                               | 5.338G            | 38   | 5.694G            | 39   | 5.458G            | 40   | 5.323G            |
| 41                                               | 5.403G            | 42   | 5.625G            | 43   | 5.640G            | 44   | 5.324G            |
| 45                                               | 5.469G            | 46   | 5.662G            | 47   | 5.638G            | 48   | 5.308G            |
| 49                                               | 5.428G            | 50   | 5.620G            | 51   | 5.377G            | 52   | 5.374G            |
| 53                                               | 5.615G            | 54   | 5.670G            | 55   | 5.457G            | 56   | 5.419G            |
| 57                                               | 5.682G            | 58   | 5.534G            | 59   | 5.496G            | 60   | 5.663G            |
| 61                                               | 5.557G            | 62   | 5.438G            | 63   | 5.288G            | 64   | 5.355G            |
| 65                                               | 5.649G            | 66   | 5.253G            | 67   | 5.710G            | 68   | 5.443G            |
| 69                                               | 5.721G            | 70   | 5.510G            | 71   | 5.650G            | 72   | 5.359G            |
| 73                                               | 5.569G            | 74   | 5.372G            | 75   | 5.574G            | 76   | 5.423G            |
| 77                                               | 5.466G            | 78   | 5.688G            | 79   | 5.382G            | 80   | 5.337G            |
| 81                                               | 5.533G            | 82   | 5.463G            | 83   | 5.448G            | 84   | 5.401G            |
| 85                                               | 5.341G            | 86   | 5.431G            | 87   | 5.722G            | 88   | 5.656G            |
| 89                                               | 5.455G            | 90   | 5.538G            | 91   | 5.489G            | 92   | 5.546G            |
| 93                                               | 5.585G            | 94   | 5.611G            | 95   | 5.554G            | 96   | 5.309G            |
| 97                                               | 5.672G            | 98   | 5.512G            | 99   | 5.396G            | 100  | 5.420G            |

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| Type 1 Radar Statistical Performances |                  |                 |                                   |         |                       |                        |
|---------------------------------------|------------------|-----------------|-----------------------------------|---------|-----------------------|------------------------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | Pulse Repetition Frequency Number | PRI (s) | Radar Frequency (MHz) | Detection              |
| 1                                     | 102              | 1.0u            | 1                                 | 518.0u  | 5491                  | Yes                    |
| 2                                     | 95               | 1.0u            | 3                                 | 558.0u  | 5493                  | Yes                    |
| 3                                     | 89               | 1.0u            | 5                                 | 598.0u  | 5494                  | Yes                    |
| 4                                     | 83               | 1.0u            | 7                                 | 638.0u  | 5495                  | Yes                    |
| 5                                     | 78               | 1.0u            | 9                                 | 678.0u  | 5497                  | Yes                    |
| 6                                     | 76               | 1.0u            | 10                                | 698.0u  | 5499                  | Yes                    |
| 7                                     | 74               | 1.0u            | 11                                | 718.0u  | 5500                  | Yes                    |
| 8                                     | 72               | 1.0u            | 12                                | 738.0u  | 5501                  | Yes                    |
| 9                                     | 68               | 1.0u            | 14                                | 778.0u  | 5503                  | No                     |
| 10                                    | 67               | 1.0u            | 15                                | 798.0u  | 5505                  | Yes                    |
| 11                                    | 63               | 1.0u            | 17                                | 838.0u  | 5506                  | Yes                    |
| 12                                    | 62               | 1.0u            | 18                                | 858.0u  | 5507                  | Yes                    |
| 13                                    | 59               | 1.0u            | 20                                | 898.0u  | 5508                  | Yes                    |
| 14                                    | 58               | 1.0u            | 21                                | 918.0u  | 5509                  | Yes                    |
| 15                                    | 57               | 1.0u            | 22                                | 938.0u  | 5510                  | Yes                    |
| 16                                    | 66               | 1.0u            | -                                 | 805.0u  | 5512                  | Yes                    |
| 17                                    | 63               | 1.0u            | -                                 | 845.0u  | 5513                  | Yes                    |
| 18                                    | 60               | 1.0u            | -                                 | 885.0u  | 5514                  | Yes                    |
| 19                                    | 59               | 1.0u            | -                                 | 905.0u  | 5516                  | Yes                    |
| 20                                    | 69               | 1.0u            | -                                 | 771.0u  | 5517                  | Yes                    |
| 21                                    | 66               | 1.0u            | -                                 | 811.0u  | 5519                  | Yes                    |
| 22                                    | 63               | 1.0u            | -                                 | 851.0u  | 5520                  | Yes                    |
| 23                                    | 60               | 1.0u            | -                                 | 891.0u  | 5522                  | Yes                    |
| 24                                    | 58               | 1.0u            | -                                 | 911.0u  | 5523                  | Yes                    |
| 25                                    | 92               | 1.0u            | -                                 | 577.0u  | 5524                  | No                     |
| 26                                    | 86               | 1.0u            | -                                 | 617.0u  | 5525                  | Yes                    |
| 27                                    | 78               | 1.0u            | -                                 | 677.0u  | 5526                  | Yes                    |
| 28                                    | 74               | 1.0u            | -                                 | 717.0u  | 5527                  | Yes                    |
| 29                                    | 68               | 1.0u            | -                                 | 777.0u  | 5528                  | Yes                    |
| 30                                    | 58               | 1.0u            | -                                 | 917.0u  | 5529                  | Yes                    |
|                                       |                  |                 |                                   |         |                       | Detection Rate: 93.3 % |



| Type 2 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 25               | 4.6u            | 200.0u  | 5491                  | Yes       |
| 2                                     | 27               | 2.8u            | 200.0u  | 5493                  | Yes       |
| 3                                     | 27               | 1.7u            | 161.0u  | 5494                  | Yes       |
| 4                                     | 28               | 2.6u            | 220.0u  | 5495                  | Yes       |
| 5                                     | 27               | 2.6u            | 218.0u  | 5497                  | Yes       |
| 6                                     | 27               | 1.7u            | 172.0u  | 5499                  | No        |
| 7                                     | 26               | 1.6u            | 191.0u  | 5500                  | Yes       |
| 8                                     | 25               | 3.7u            | 158.0u  | 5501                  | Yes       |
| 9                                     | 28               | 1.5u            | 228.0u  | 5503                  | Yes       |
| 10                                    | 26               | 4.9u            | 198.0u  | 5505                  | Yes       |
| 11                                    | 28               | 1.3u            | 205.0u  | 5506                  | Yes       |
| 12                                    | 29               | 2.6u            | 155.0u  | 5507                  | Yes       |
| 13                                    | 28               | 4.9u            | 224.0u  | 5508                  | Yes       |
| 14                                    | 24               | 2.9u            | 169.0u  | 5509                  | Yes       |
| 15                                    | 28               | 4.1u            | 183.0u  | 5510                  | Yes       |
| 16                                    | 27               | 1.7u            | 192.0u  | 5512                  | Yes       |
| 17                                    | 24               | 2.6u            | 191.0u  | 5513                  | Yes       |
| 18                                    | 27               | 4.6u            | 173.0u  | 5514                  | No        |
| 19                                    | 28               | 3.4u            | 187.0u  | 5516                  | Yes       |
| 20                                    | 27               | 4.3u            | 214.0u  | 5517                  | Yes       |
| 21                                    | 29               | 1.2u            | 179.0u  | 5519                  | Yes       |
| 22                                    | 25               | 1.1u            | 154.0u  | 5520                  | Yes       |
| 23                                    | 25               | 4.1u            | 159.0u  | 5522                  | No        |
| 24                                    | 28               | 2.9u            | 158.0u  | 5523                  | Yes       |
| 25                                    | 25               | 2.8u            | 215.0u  | 5524                  | Yes       |
| 26                                    | 27               | 4.0u            | 196.0u  | 5525                  | Yes       |
| 27                                    | 27               | 4.5u            | 215.0u  | 5526                  | No        |
| 28                                    | 27               | 2.9u            | 180.0u  | 5527                  | Yes       |
| 29                                    | 27               | 1.5u            | 177.0u  | 5528                  | Yes       |
| 30                                    | 28               | 1.6u            | 186.0u  | 5529                  | Yes       |
| Detection Rate: 86.7 %                |                  |                 |         |                       |           |

| Type 3 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 17               | 9.6u            | 218.0u  | 5491                  | Yes       |
| 2                                     | 18               | 8.4u            | 494.0u  | 5493                  | No        |
| 3                                     | 17               | 8.7u            | 375.0u  | 5494                  | Yes       |
| 4                                     | 18               | 7.0u            | 379.0u  | 5495                  | Yes       |
| 5                                     | 17               | 8.9u            | 401.0u  | 5497                  | Yes       |
| 6                                     | 17               | 8.3u            | 348.0u  | 5499                  | Yes       |
| 7                                     | 16               | 6.2u            | 454.0u  | 5500                  | Yes       |
| 8                                     | 18               | 9.2u            | 299.0u  | 5501                  | Yes       |
| 9                                     | 16               | 9.6u            | 347.0u  | 5503                  | Yes       |
| 10                                    | 16               | 7.0u            | 293.0u  | 5505                  | Yes       |
| 11                                    | 17               | 9.7u            | 434.0u  | 5506                  | Yes       |
| 12                                    | 16               | 9.5u            | 405.0u  | 5507                  | Yes       |
| 13                                    | 17               | 9.0u            | 459.0u  | 5508                  | Yes       |
| 14                                    | 18               | 6.2u            | 349.0u  | 5509                  | Yes       |
| 15                                    | 17               | 7.9u            | 225.0u  | 5510                  | Yes       |
| 16                                    | 18               | 8.0u            | 384.0u  | 5512                  | Yes       |
| 17                                    | 17               | 6.5u            | 220.0u  | 5513                  | Yes       |
| 18                                    | 16               | 8.4u            | 225.0u  | 5514                  | Yes       |
| 19                                    | 17               | 6.1u            | 210.0u  | 5516                  | No        |
| 20                                    | 16               | 6.0u            | 260.0u  | 5517                  | Yes       |
| 21                                    | 18               | 9.1u            | 470.0u  | 5519                  | Yes       |
| 22                                    | 16               | 7.1u            | 474.0u  | 5520                  | Yes       |
| 23                                    | 18               | 9.1u            | 433.0u  | 5522                  | Yes       |
| 24                                    | 18               | 9.1u            | 296.0u  | 5523                  | Yes       |
| 25                                    | 16               | 8.5u            | 368.0u  | 5524                  | Yes       |
| 26                                    | 16               | 6.4u            | 315.0u  | 5525                  | Yes       |
| 27                                    | 17               | 6.9u            | 204.0u  | 5526                  | Yes       |
| 28                                    | 18               | 6.8u            | 309.0u  | 5527                  | Yes       |
| 29                                    | 17               | 9.2u            | 351.0u  | 5528                  | No        |
| 30                                    | 17               | 9.0u            | 201.0u  | 5529                  | Yes       |
| Detection Rate: 90.0 %                |                  |                 |         |                       |           |

| Type 4 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 14               | 14.3u           | 312.0u  | 5491                  | Yes       |
| 2                                     | 13               | 18.3u           | 368.0u  | 5493                  | Yes       |
| 3                                     | 13               | 18.4u           | 392.0u  | 5494                  | Yes       |
| 4                                     | 16               | 14.9u           | 457.0u  | 5495                  | No        |
| 5                                     | 13               | 15.9u           | 337.0u  | 5497                  | Yes       |
| 6                                     | 14               | 13.7u           | 413.0u  | 5499                  | Yes       |
| 7                                     | 13               | 13.6u           | 263.0u  | 5500                  | Yes       |
| 8                                     | 14               | 11.2u           | 484.0u  | 5501                  | Yes       |
| 9                                     | 12               | 11.6u           | 341.0u  | 5503                  | Yes       |
| 10                                    | 14               | 18.2u           | 448.0u  | 5505                  | Yes       |
| 11                                    | 14               | 14.2u           | 423.0u  | 5506                  | Yes       |
| 12                                    | 14               | 12.4u           | 470.0u  | 5507                  | Yes       |
| 13                                    | 13               | 18.0u           | 336.0u  | 5508                  | Yes       |
| 14                                    | 15               | 17.8u           | 213.0u  | 5509                  | Yes       |
| 15                                    | 14               | 11.8u           | 297.0u  | 5510                  | Yes       |
| 16                                    | 15               | 16.6u           | 436.0u  | 5512                  | Yes       |
| 17                                    | 15               | 16.8u           | 298.0u  | 5513                  | Yes       |
| 18                                    | 13               | 14.9u           | 459.0u  | 5514                  | Yes       |
| 19                                    | 14               | 19.5u           | 286.0u  | 5516                  | Yes       |
| 20                                    | 16               | 18.4u           | 462.0u  | 5517                  | Yes       |
| 21                                    | 15               | 19.0u           | 314.0u  | 5519                  | Yes       |
| 22                                    | 15               | 16.2u           | 284.0u  | 5520                  | Yes       |
| 23                                    | 13               | 16.9u           | 396.0u  | 5522                  | Yes       |
| 24                                    | 15               | 14.9u           | 202.0u  | 5523                  | Yes       |
| 25                                    | 14               | 17.8u           | 492.0u  | 5524                  | Yes       |
| 26                                    | 12               | 14.2u           | 451.0u  | 5525                  | No        |
| 27                                    | 12               | 18.2u           | 350.0u  | 5526                  | Yes       |
| 28                                    | 15               | 14.7u           | 204.0u  | 5527                  | Yes       |
| 29                                    | 12               | 16.6u           | 418.0u  | 5528                  | Yes       |
| 30                                    | 13               | 14.1u           | 218.0u  | 5529                  | Yes       |
| Detection Rate: 93.3 %                |                  |                 |         |                       |           |

| Type 5 Radar Statistical Performances |                  |           |
|---------------------------------------|------------------|-----------|
| Trial #                               | Test Signal Name | Detection |
| 1                                     | LP_Signal_01     | Yes       |
| 2                                     | LP_Signal_02     | Yes       |
| 3                                     | LP_Signal_03     | Yes       |
| 4                                     | LP_Signal_04     | Yes       |
| 5                                     | LP_Signal_05     | Yes       |
| 6                                     | LP_Signal_06     | Yes       |
| 7                                     | LP_Signal_07     | Yes       |
| 8                                     | LP_Signal_08     | Yes       |
| 9                                     | LP_Signal_09     | Yes       |
| 10                                    | LP_Signal_10     | Yes       |
| 11                                    | LP_Signal_11     | Yes       |
| 12                                    | LP_Signal_12     | Yes       |
| 13                                    | LP_Signal_13     | Yes       |
| 14                                    | LP_Signal_14     | Yes       |
| 15                                    | LP_Signal_15     | No        |
| 16                                    | LP_Signal_16     | Yes       |
| 17                                    | LP_Signal_17     | Yes       |
| 18                                    | LP_Signal_18     | No        |
| 19                                    | LP_Signal_19     | Yes       |
| 20                                    | LP_Signal_20     | Yes       |
| 21                                    | LP_Signal_21     | Yes       |
| 22                                    | LP_Signal_22     | No        |
| 23                                    | LP_Signal_23     | Yes       |
| 24                                    | LP_Signal_24     | Yes       |
| 25                                    | LP_Signal_25     | Yes       |
| 26                                    | LP_Signal_26     | Yes       |
| 27                                    | LP_Signal_27     | Yes       |
| 28                                    | LP_Signal_28     | No        |
| 29                                    | LP_Signal_29     | Yes       |
| 30                                    | LP_Signal_30     | Yes       |
| Detection Rate: 86.7 %                |                  |           |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_01  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5493MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 5M            | 50.4u              | 1.916m                      | -                           | 334.6m                |
| 2                               | 2                   | 5M            | 54.2u              | 1.760m                      | -                           | 40.17m                |
| 3                               | 2                   | 5M            | 66.7u              | 1.591m                      | -                           | 375.0m                |
| 4                               | 1                   | 5M            | 81.8u              | -                           | -                           | 224.8m                |
| 5                               | 3                   | 5M            | 85.3u              | 1.562m                      | 1.550m                      | 598.5m                |
| 6                               | 2                   | 5M            | 50.9u              | 1.097m                      | -                           | 247.8m                |
| 7                               | 3                   | 5M            | 71.5u              | 1.403m                      | 1.250m                      | 384.9m                |
| 8                               | 1                   | 5M            | 57.3u              | -                           | -                           | 545.1m                |
| 9                               | 1                   | 5M            | 99.4u              | -                           | -                           | 327.7m                |
| 10                              | 2                   | 5M            | 81.7u              | 1.762m                      | -                           | 346.5m                |
| 11                              | 3                   | 5M            | 87.0u              | 1.625m                      | 1.683m                      | 237.2m                |
| 12                              | 2                   | 5M            | 94.9u              | 1.522m                      | -                           | 585.4m                |
| 13                              | 2                   | 5M            | 83.5u              | 1.529m                      | -                           | 480.1m                |
| 14                              | 2                   | 5M            | 66.1u              | 1.677m                      | -                           | 545.9m                |
| 15                              | 2                   | 5M            | 52.9u              | 1.709m                      | -                           | 563.8m                |
| 16                              | 3                   | 5M            | 51.5u              | 1.865m                      | 1.887m                      | 433.2m                |
| 17                              | 1                   | 5M            | 82.8u              | -                           | -                           | 4.846m                |
| 18                              | 2                   | 5M            | 84.6u              | 957.4u                      | -                           | 397.1m                |
| 19                              | 3                   | 5M            | 70.6u              | 1.247m                      | 1.791m                      | 432.2m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_02  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 13   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5493MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 5M            | 64.2u              | 1.510m                      | -                           | 171.7m                |
| 2                               | 2                   | 5M            | 85.7u              | 1.457m                      | -                           | 23.95m                |
| 3                               | 3                   | 5M            | 93.8u              | 1.348m                      | 1.769m                      | 685.0m                |
| 4                               | 3                   | 5M            | 85.1u              | 1.065m                      | 1.624m                      | 112.8m                |
| 5                               | 1                   | 5M            | 84.7u              | -                           | -                           | 797.2m                |
| 6                               | 2                   | 5M            | 80.4u              | 1.702m                      | -                           | 14.43m                |
| 7                               | 1                   | 5M            | 98.4u              | -                           | -                           | 314.4m                |
| 8                               | 2                   | 5M            | 71.1u              | 1.369m                      | -                           | 529.1m                |
| 9                               | 1                   | 5M            | 98.6u              | -                           | -                           | 667.9m                |
| 10                              | 2                   | 5M            | 91.7u              | 1.176m                      | -                           | 571.6m                |
| 11                              | 2                   | 5M            | 69.1u              | 1.770m                      | -                           | 615.7m                |
| 12                              | 2                   | 5M            | 90.9u              | 1.511m                      | -                           | 676.8m                |
| 13                              | 2                   | 5M            | 89.6u              | 1.199m                      | -                           | 683.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_03  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 9    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5494MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 8M            | 71.1u              | 1.222m                      | 1.413m                      | 444.6m                |
| 2                               | 2                   | 8M            | 59.0u              | 1.893m                      | -                           | 289.7m                |
| 3                               | 2                   | 8M            | 60.7u              | 1.211m                      | -                           | 933.9m                |
| 4                               | 3                   | 8M            | 68.6u              | 1.430m                      | 1.751m                      | 827.1m                |
| 5                               | 3                   | 8M            | 78.0u              | 1.707m                      | 1.351m                      | 65.79m                |
| 6                               | 3                   | 8M            | 95.0u              | 1.577m                      | 1.175m                      | 1.235                 |
| 7                               | 2                   | 8M            | 94.0u              | 1.043m                      | -                           | 1.170                 |
| 8                               | 2                   | 8M            | 82.2u              | 1.181m                      | -                           | 463.7m                |
| 9                               | 1                   | 8M            | 55.8u              | -                           | -                           | 543.3m                |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_04  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 11   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5494MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 3                | 8M         | 77.4u           | 1.030m                   | 976.6u                   | 796.6m             |
| 2                               | 1                | 8M         | 67.0u           | -                        | -                        | 626.7m             |
| 3                               | 2                | 8M         | 66.8u           | 1.592m                   | -                        | 230.3m             |
| 4                               | 2                | 8M         | 96.2u           | 1.786m                   | -                        | 706.5m             |
| 5                               | 1                | 8M         | 73.5u           | -                        | -                        | 809.0m             |
| 6                               | 3                | 8M         | 64.8u           | 1.909m                   | 1.249m                   | 95.29m             |
| 7                               | 3                | 8M         | 69.4u           | 1.248m                   | 1.386m                   | 601.9m             |
| 8                               | 2                | 8M         | 98.4u           | 1.041m                   | -                        | 333.4m             |
| 9                               | 1                | 8M         | 86.7u           | -                        | -                        | 201.6m             |
| 10                              | 2                | 8M         | 76.0u           | 1.466m                   | -                        | 691.6m             |
| 11                              | 3                | 8M         | 64.9u           | 1.673m                   | 1.042m                   | 635.0m             |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_05  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 12   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5496MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 2                | 13M        | 71.5u           | 982.5u                   | -                        | 86.36m             |
| 2                               | 1                | 13M        | 89.8u           | -                        | -                        | 993.6m             |
| 3                               | 1                | 13M        | 83.2u           | -                        | -                        | 30.83m             |
| 4                               | 1                | 13M        | 59.2u           | -                        | -                        | 837.0m             |
| 5                               | 1                | 13M        | 68.7u           | -                        | -                        | 229.0m             |
| 6                               | 2                | 13M        | 96.4u           | 1.547m                   | -                        | 543.5m             |
| 7                               | 2                | 13M        | 84.2u           | 1.813m                   | -                        | 108.2m             |
| 8                               | 1                | 13M        | 61.5u           | -                        | -                        | 194.1m             |
| 9                               | 2                | 13M        | 87.9u           | 1.451m                   | -                        | 603.2m             |
| 10                              | 1                | 13M        | 94.3u           | -                        | -                        | 285.9m             |
| 11                              | 2                | 13M        | 61.6u           | 1.018m                   | -                        | 423.4m             |
| 12                              | 2                | 13M        | 55.8u           | 1.245m                   | -                        | 287.7m             |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_06  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5496MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 13M           | 67.5u              | -                           | -                           | 502.0m                |
| 2                               | 1                   | 13M           | 88.4u              | -                           | -                           | 240.1m                |
| 3                               | 1                   | 13M           | 65.8u              | -                           | -                           | 262.9m                |
| 4                               | 2                   | 13M           | 62.4u              | 1.503m                      | -                           | 341.2m                |
| 5                               | 1                   | 13M           | 95.6u              | -                           | -                           | 958.2m                |
| 6                               | 3                   | 13M           | 62.0u              | 1.724m                      | 1.096m                      | 947.7m                |
| 7                               | 1                   | 13M           | 52.1u              | -                           | -                           | 612.1m                |
| 8                               | 2                   | 13M           | 50.7u              | 1.853m                      | -                           | 1.171                 |
| 9                               | 2                   | 13M           | 88.5u              | 1.693m                      | -                           | 992.4m                |
| 10                              | 2                   | 13M           | 51.3u              | 1.595m                      | -                           | 447.5m                |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_07  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 17   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5497MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 15M           | 73.3u              | 1.117m                      | -                           | 263.9m                |
| 2                               | 3                   | 15M           | 77.1u              | 1.610m                      | 1.018m                      | 283.7m                |
| 3                               | 2                   | 15M           | 70.2u              | 1.453m                      | -                           | 47.73m                |
| 4                               | 2                   | 15M           | 84.6u              | 1.444m                      | -                           | 566.8m                |
| 5                               | 3                   | 15M           | 82.8u              | 1.477m                      | 1.433m                      | 572.1m                |
| 6                               | 2                   | 15M           | 95.2u              | 987.8u                      | -                           | 614.1m                |
| 7                               | 3                   | 15M           | 95.3u              | 1.243m                      | 1.697m                      | 22.08m                |
| 8                               | 3                   | 15M           | 59.7u              | 1.441m                      | 1.343m                      | 23.27m                |
| 9                               | 3                   | 15M           | 69.3u              | 1.787m                      | 1.428m                      | 620.8m                |
| 10                              | 2                   | 15M           | 75.3u              | 1.838m                      | -                           | 693.6m                |
| 11                              | 3                   | 15M           | 91.2u              | 1.427m                      | 1.347m                      | 498.9m                |
| 12                              | 3                   | 15M           | 91.2u              | 1.212m                      | 1.579m                      | 309.3m                |
| 13                              | 2                   | 15M           | 94.7u              | 1.191m                      | -                           | 266.5m                |
| 14                              | 3                   | 15M           | 98.4u              | 1.552m                      | 1.534m                      | 614.4m                |
| 15                              | 3                   | 15M           | 54.0u              | 1.482m                      | 990.0u                      | 449.2m                |
| 16                              | 2                   | 15M           | 74.1u              | 1.675m                      | -                           | 613.7m                |
| 17                              | 2                   | 15M           | 83.4u              | 1.632m                      | -                           | 699.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_08  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 9    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5497MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 15M           | 97.5u              | -                           | -                           | 471.5m                |
| 2                               | 3                   | 15M           | 52.7u              | 1.940m                      | 1.267m                      | 85.10m                |
| 3                               | 2                   | 15M           | 85.6u              | 1.832m                      | -                           | 606.7m                |
| 4                               | 3                   | 15M           | 93.9u              | 1.311m                      | 1.757m                      | 129.9m                |
| 5                               | 2                   | 15M           | 77.8u              | 1.140m                      | -                           | 697.6m                |
| 6                               | 2                   | 15M           | 55.9u              | 1.283m                      | -                           | 587.3m                |
| 7                               | 3                   | 15M           | 77.8u              | 1.001m                      | 1.712m                      | 269.7m                |
| 8                               | 2                   | 15M           | 54.8u              | 1.560m                      | -                           | 1.196                 |
| 9                               | 2                   | 15M           | 54.1u              | 1.552m                      | -                           | 817.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_09  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 13   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5499MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 20M           | 99.7u              | 1.511m                      | 1.864m                      | 57.55m                |
| 2                               | 2                   | 20M           | 62.6u              | 1.651m                      | -                           | 208.8m                |
| 3                               | 2                   | 20M           | 78.6u              | 1.897m                      | -                           | 188.5m                |
| 4                               | 3                   | 20M           | 92.7u              | 1.075m                      | 1.701m                      | 713.1m                |
| 5                               | 2                   | 20M           | 84.2u              | 1.551m                      | -                           | 875.0m                |
| 6                               | 2                   | 20M           | 71.6u              | 1.165m                      | -                           | 311.7m                |
| 7                               | 1                   | 20M           | 67.9u              | -                           | -                           | 735.6m                |
| 8                               | 3                   | 20M           | 54.0u              | 1.098m                      | 1.873m                      | 138.9m                |
| 9                               | 1                   | 20M           | 82.3u              | -                           | -                           | 262.2m                |
| 10                              | 2                   | 20M           | 63.4u              | 1.368m                      | -                           | 14.73m                |
| 11                              | 2                   | 20M           | 64.4u              | 1.845m                      | -                           | 637.0m                |
| 12                              | 2                   | 20M           | 90.9u              | 1.294m                      | -                           | 356.2m                |
| 13                              | 1                   | 20M           | 96.9u              | -                           | -                           | 536.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_10  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5499MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 98.6u              | 1.198m                      | -                           | 344.9m                |
| 2                               | 2                   | 20M           | 57.6u              | 961.4u                      | -                           | 641.7m                |
| 3                               | 1                   | 20M           | 56.4u              | -                           | -                           | 308.8m                |
| 4                               | 1                   | 20M           | 81.4u              | -                           | -                           | 180.2m                |
| 5                               | 1                   | 20M           | 61.8u              | -                           | -                           | 297.7m                |
| 6                               | 2                   | 20M           | 90.4u              | 1.563m                      | -                           | 282.9m                |
| 7                               | 3                   | 20M           | 68.8u              | 1.515m                      | 1.370m                      | 37.46m                |
| 8                               | 1                   | 20M           | 73.9u              | -                           | -                           | 475.8m                |
| 9                               | 2                   | 20M           | 68.4u              | 1.684m                      | -                           | 117.5m                |
| 10                              | 3                   | 20M           | 95.4u              | 1.490m                      | 1.735m                      | 155.9m                |
| 11                              | 1                   | 20M           | 70.9u              | -                           | -                           | 253.8m                |
| 12                              | 1                   | 20M           | 94.7u              | -                           | -                           | 356.0m                |
| 13                              | 3                   | 20M           | 76.9u              | 1.750m                      | 1.203m                      | 56.37m                |
| 14                              | 3                   | 20M           | 80.6u              | 1.024m                      | 1.881m                      | 588.3m                |
| 15                              | 2                   | 20M           | 87.2u              | 1.015m                      | -                           | 223.6m                |
| 16                              | 2                   | 20M           | 85.9u              | 1.898m                      | -                           | 380.5m                |
| 17                              | 1                   | 20M           | 62.9u              | -                           | -                           | 127.1m                |
| 18                              | 2                   | 20M           | 96.3u              | 1.532m                      | -                           | 541.3m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_11  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 13   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5510MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 5M            | 64.2u              | 1.510m                      | -                           | 171.7m                |
| 2                               | 2                   | 5M            | 85.7u              | 1.457m                      | -                           | 23.95m                |
| 3                               | 3                   | 5M            | 93.8u              | 1.348m                      | 1.769m                      | 685.0m                |
| 4                               | 3                   | 5M            | 85.1u              | 1.065m                      | 1.624m                      | 112.8m                |
| 5                               | 1                   | 5M            | 84.7u              | -                           | -                           | 797.2m                |
| 6                               | 2                   | 5M            | 80.4u              | 1.702m                      | -                           | 14.43m                |
| 7                               | 1                   | 5M            | 98.4u              | -                           | -                           | 314.4m                |
| 8                               | 2                   | 5M            | 71.1u              | 1.369m                      | -                           | 529.1m                |
| 9                               | 1                   | 5M            | 98.6u              | -                           | -                           | 667.9m                |
| 10                              | 2                   | 5M            | 91.7u              | 1.176m                      | -                           | 571.6m                |
| 11                              | 2                   | 5M            | 69.1u              | 1.770m                      | -                           | 615.7m                |
| 12                              | 2                   | 5M            | 90.9u              | 1.511m                      | -                           | 676.8m                |
| 13                              | 2                   | 5M            | 89.6u              | 1.199m                      | -                           | 683.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_12  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5510MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 5M            | 61.2u              | 1.793m                      | 1.857m                      | 398.8m                |
| 2                               | 1                   | 5M            | 53.7u              | -                           | -                           | 300.3m                |
| 3                               | 2                   | 5M            | 82.7u              | 1.900m                      | -                           | 154.0m                |
| 4                               | 3                   | 5M            | 98.8u              | 1.369m                      | 1.879m                      | 7.212m                |
| 5                               | 2                   | 5M            | 54.9u              | 1.516m                      | -                           | 475.2m                |
| 6                               | 3                   | 5M            | 57.2u              | 1.640m                      | 1.396m                      | 427.7m                |
| 7                               | 2                   | 5M            | 91.6u              | 1.507m                      | -                           | 435.3m                |
| 8                               | 2                   | 5M            | 69.8u              | 1.897m                      | -                           | 349.7m                |
| 9                               | 2                   | 5M            | 58.1u              | 1.668m                      | -                           | 584.4m                |
| 10                              | 2                   | 5M            | 81.6u              | 1.380m                      | -                           | 184.8m                |
| 11                              | 2                   | 5M            | 57.5u              | 1.242m                      | -                           | 221.2m                |
| 12                              | 3                   | 5M            | 92.2u              | 1.227m                      | 913.8u                      | 353.3m                |
| 13                              | 2                   | 5M            | 81.9u              | 1.129m                      | -                           | 486.4m                |
| 14                              | 2                   | 5M            | 66.9u              | 1.395m                      | -                           | 235.5m                |
| 15                              | 1                   | 5M            | 67.9u              | -                           | -                           | 415.5m                |
| 16                              | 3                   | 5M            | 99.2u              | 1.884m                      | 1.803m                      | 462.9m                |
| 17                              | 2                   | 5M            | 71.2u              | 1.043m                      | -                           | 214.2m                |
| 18                              | 1                   | 5M            | 70.9u              | -                           | -                           | 379.4m                |
| 19                              | 2                   | 5M            | 68.8u              | 1.209m                      | -                           | 322.3m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_13  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5510MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 9M            | 83.6u              | 1.774m                      | -                           | 467.4m                |
| 2                               | 2                   | 9M            | 97.1u              | 1.796m                      | -                           | 328.2m                |
| 3                               | 1                   | 9M            | 84.9u              | -                           | -                           | 712.5m                |
| 4                               | 1                   | 9M            | 85.6u              | -                           | -                           | 456.6m                |
| 5                               | 2                   | 9M            | 97.8u              | 917.2u                      | -                           | 642.0m                |
| 6                               | 2                   | 9M            | 95.4u              | 1.079m                      | -                           | 800.8m                |
| 7                               | 1                   | 9M            | 71.2u              | -                           | -                           | 898.6m                |
| 8                               | 3                   | 9M            | 82.0u              | 1.666m                      | 1.468m                      | 784.5m                |
| 9                               | 3                   | 9M            | 86.6u              | 1.322m                      | 1.519m                      | 535.5m                |
| 10                              | 1                   | 9M            | 71.4u              | -                           | -                           | 43.23m                |
| 11                              | 2                   | 9M            | 62.2u              | 1.268m                      | -                           | 268.5m                |
| 12                              | 2                   | 9M            | 96.1u              | 1.888m                      | -                           | 253.4m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_14  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 13   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5510MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 9M            | 61.5u              | 955.5u                      | -                           | 640.4m                |
| 2                               | 1                   | 9M            | 92.5u              | -                           | -                           | 393.8m                |
| 3                               | 3                   | 9M            | 71.1u              | 1.724m                      | 1.483m                      | 227.5m                |
| 4                               | 2                   | 9M            | 79.5u              | 1.035m                      | -                           | 625.6m                |
| 5                               | 2                   | 9M            | 75.3u              | 1.324m                      | -                           | 302.7m                |
| 6                               | 3                   | 9M            | 71.1u              | 1.201m                      | 1.880m                      | 210.6m                |
| 7                               | 2                   | 9M            | 83.2u              | 1.845m                      | -                           | 576.6m                |
| 8                               | 2                   | 9M            | 81.1u              | 1.333m                      | -                           | 524.0m                |
| 9                               | 2                   | 9M            | 97.7u              | 1.050m                      | -                           | 855.4m                |
| 10                              | 2                   | 9M            | 95.7u              | 1.224m                      | -                           | 597.8m                |
| 11                              | 2                   | 9M            | 53.5u              | 1.334m                      | -                           | 874.0m                |
| 12                              | 3                   | 9M            | 70.8u              | 1.735m                      | 1.020m                      | 510.2m                |
| 13                              | 2                   | 9M            | 95.7u              | 1.535m                      | -                           | 870.2m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_15  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 17   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5510MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 15M           | 73.3u              | 1.117m                      | -                           | 263.9m                |
| 2                               | 3                   | 15M           | 77.1u              | 1.610m                      | 1.018m                      | 283.7m                |
| 3                               | 2                   | 15M           | 70.2u              | 1.453m                      | -                           | 47.73m                |
| 4                               | 2                   | 15M           | 84.6u              | 1.444m                      | -                           | 566.8m                |
| 5                               | 3                   | 15M           | 82.8u              | 1.477m                      | 1.433m                      | 572.1m                |
| 6                               | 2                   | 15M           | 95.2u              | 987.8u                      | -                           | 614.1m                |
| 7                               | 3                   | 15M           | 95.3u              | 1.243m                      | 1.697m                      | 22.08m                |
| 8                               | 3                   | 15M           | 59.7u              | 1.441m                      | 1.343m                      | 23.27m                |
| 9                               | 3                   | 15M           | 69.3u              | 1.787m                      | 1.428m                      | 620.8m                |
| 10                              | 2                   | 15M           | 75.3u              | 1.838m                      | -                           | 693.6m                |
| 11                              | 3                   | 15M           | 91.2u              | 1.427m                      | 1.347m                      | 498.9m                |
| 12                              | 3                   | 15M           | 91.2u              | 1.212m                      | 1.579m                      | 309.3m                |
| 13                              | 2                   | 15M           | 94.7u              | 1.191m                      | -                           | 266.5m                |
| 14                              | 3                   | 15M           | 98.4u              | 1.552m                      | 1.534m                      | 614.4m                |
| 15                              | 3                   | 15M           | 54.0u              | 1.482m                      | 990.0u                      | 449.2m                |
| 16                              | 2                   | 15M           | 74.1u              | 1.675m                      | -                           | 613.7m                |
| 17                              | 2                   | 15M           | 83.4u              | 1.632m                      | -                           | 699.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_16  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 8    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5510MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 15M           | 86.3u              | 1.743m                      | 985.7u                      | 297.0m                |
| 2                               | 1                   | 15M           | 66.0u              | -                           | -                           | 1.473                 |
| 3                               | 3                   | 15M           | 67.9u              | 1.531m                      | 1.717m                      | 438.4m                |
| 4                               | 3                   | 15M           | 86.6u              | 1.433m                      | 1.491m                      | 650.2m                |
| 5                               | 2                   | 15M           | 59.3u              | 1.648m                      | -                           | 773.9m                |
| 6                               | 2                   | 15M           | 60.7u              | 1.384m                      | -                           | 278.3m                |
| 7                               | 2                   | 15M           | 58.5u              | 1.114m                      | -                           | 1.321                 |
| 8                               | 2                   | 15M           | 88.9u              | 920.1u                      | -                           | 360.9m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_17  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5510MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 17M           | 56.6u              | 1.081m                      | 1.442m                      | 264.5m                |
| 2                               | 2                   | 17M           | 77.0u              | 1.479m                      | -                           | 411.6m                |
| 3                               | 1                   | 17M           | 64.7u              | -                           | -                           | 502.4m                |
| 4                               | 2                   | 17M           | 66.3u              | 1.533m                      | -                           | 128.2m                |
| 5                               | 2                   | 17M           | 66.5u              | 1.654m                      | -                           | 32.33m                |
| 6                               | 2                   | 17M           | 53.9u              | 1.723m                      | -                           | 368.5m                |
| 7                               | 2                   | 17M           | 95.4u              | 1.678m                      | -                           | 502.6m                |
| 8                               | 2                   | 17M           | 79.6u              | 1.481m                      | -                           | 375.6m                |
| 9                               | 2                   | 17M           | 94.7u              | 1.774m                      | -                           | 335.2m                |
| 10                              | 3                   | 17M           | 86.7u              | 1.256m                      | 1.147m                      | 567.5m                |
| 11                              | 2                   | 17M           | 65.2u              | 1.373m                      | -                           | 55.52m                |
| 12                              | 3                   | 17M           | 53.6u              | 1.336m                      | 1.086m                      | 350.4m                |
| 13                              | 1                   | 17M           | 93.6u              | -                           | -                           | 549.5m                |
| 14                              | 3                   | 17M           | 99.9u              | 1.866m                      | 961.1u                      | 222.0m                |
| 15                              | 2                   | 17M           | 98.7u              | 1.242m                      | -                           | 603.9m                |
| 16                              | 3                   | 17M           | 99.5u              | 992.5u                      | 1.138m                      | 514.9m                |
| 17                              | 2                   | 17M           | 88.7u              | 1.906m                      | -                           | 388.1m                |
| 18                              | 2                   | 17M           | 98.4u              | 1.185m                      | -                           | 429.7m                |
| 19                              | 2                   | 17M           | 84.8u              | 1.718m                      | -                           | 344.7m                |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_18  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 15   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5510MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 17M           | 74.4u              | 1.078m                      | -                           | 405.4m                |
| 2                               | 2                   | 17M           | 64.5u              | 1.652m                      | -                           | 642.9m                |
| 3                               | 2                   | 17M           | 60.9u              | 1.407m                      | -                           | 702.7m                |
| 4                               | 1                   | 17M           | 93.7u              | -                           | -                           | 738.4m                |
| 5                               | 3                   | 17M           | 73.4u              | 1.274m                      | 1.171m                      | 600.8m                |
| 6                               | 2                   | 17M           | 65.8u              | 1.640m                      | -                           | 566.8m                |
| 7                               | 2                   | 17M           | 67.9u              | 1.038m                      | -                           | 561.0m                |
| 8                               | 2                   | 17M           | 75.2u              | 970.8u                      | -                           | 25.08m                |
| 9                               | 1                   | 17M           | 58.5u              | -                           | -                           | 667.7m                |
| 10                              | 1                   | 17M           | 97.9u              | -                           | -                           | 176.6m                |
| 11                              | 3                   | 17M           | 87.6u              | 1.679m                      | 1.187m                      | 730.3m                |
| 12                              | 1                   | 17M           | 94.5u              | -                           | -                           | 720.4m                |
| 13                              | 3                   | 17M           | 56.4u              | 1.013m                      | 1.776m                      | 274.4m                |
| 14                              | 2                   | 17M           | 84.2u              | 1.338m                      | -                           | 186.8m                |
| 15                              | 1                   | 17M           | 67.2u              | -                           | -                           | 223.4m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_19  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 15   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5510MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 20M           | 63.9u              | -                           | -                           | 77.33m                |
| 2                               | 2                   | 20M           | 94.7u              | 1.807m                      | -                           | 47.69m                |
| 3                               | 2                   | 20M           | 55.2u              | 1.653m                      | -                           | 235.8m                |
| 4                               | 1                   | 20M           | 88.6u              | -                           | -                           | 734.4m                |
| 5                               | 3                   | 20M           | 58.9u              | 1.448m                      | 1.576m                      | 594.5m                |
| 6                               | 3                   | 20M           | 80.2u              | 1.051m                      | 1.328m                      | 738.1m                |
| 7                               | 2                   | 20M           | 51.8u              | 1.771m                      | -                           | 610.0m                |
| 8                               | 1                   | 20M           | 58.2u              | -                           | -                           | 187.6m                |
| 9                               | 3                   | 20M           | 51.5u              | 1.442m                      | 1.642m                      | 91.17m                |
| 10                              | 2                   | 20M           | 54.6u              | 1.066m                      | -                           | 128.0m                |
| 11                              | 3                   | 20M           | 92.5u              | 1.718m                      | 1.207m                      | 337.4m                |
| 12                              | 3                   | 20M           | 88.1u              | 1.794m                      | 1.583m                      | 438.5m                |
| 13                              | 2                   | 20M           | 63.5u              | 1.643m                      | -                           | 214.3m                |
| 14                              | 2                   | 20M           | 73.1u              | 959.9u                      | -                           | 235.5m                |
| 15                              | 1                   | 20M           | 71.4u              | -                           | -                           | 509.1m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_20  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5510MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 20M           | 58.6u              | -                           | -                           | 36.12m                |
| 2                               | 2                   | 20M           | 92.0u              | 1.831m                      | -                           | 301.7m                |
| 3                               | 2                   | 20M           | 97.4u              | 1.173m                      | -                           | 286.9m                |
| 4                               | 2                   | 20M           | 57.0u              | 979.0u                      | -                           | 55.23m                |
| 5                               | 1                   | 20M           | 66.5u              | -                           | -                           | 376.4m                |
| 6                               | 2                   | 20M           | 78.9u              | 1.100m                      | -                           | 434.4m                |
| 7                               | 2                   | 20M           | 70.2u              | 1.681m                      | -                           | 626.6m                |
| 8                               | 3                   | 20M           | 72.3u              | 1.233m                      | 1.537m                      | 438.6m                |
| 9                               | 2                   | 20M           | 59.1u              | 1.565m                      | -                           | 429.8m                |
| 10                              | 1                   | 20M           | 50.4u              | -                           | -                           | 446.6m                |
| 11                              | 2                   | 20M           | 88.1u              | 1.050m                      | -                           | 371.0m                |
| 12                              | 2                   | 20M           | 52.9u              | 1.220m                      | -                           | 91.61m                |
| 13                              | 1                   | 20M           | 95.1u              | -                           | -                           | 395.7m                |
| 14                              | 1                   | 20M           | 82.4u              | -                           | -                           | 374.5m                |
| 15                              | 2                   | 20M           | 96.3u              | 992.7u                      | -                           | 595.6m                |
| 16                              | 2                   | 20M           | 91.4u              | 1.793m                      | -                           | 121.7m                |
| 17                              | 2                   | 20M           | 97.6u              | 1.191m                      | -                           | 331.3m                |
| 18                              | 2                   | 20M           | 61.0u              | 1.695m                      | -                           | 56.15m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_21  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5527MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 5M            | 61.2u              | 1.793m                      | 1.857m                      | 398.8m                |
| 2                               | 1                   | 5M            | 53.7u              | -                           | -                           | 300.3m                |
| 3                               | 2                   | 5M            | 82.7u              | 1.900m                      | -                           | 154.0m                |
| 4                               | 3                   | 5M            | 98.8u              | 1.369m                      | 1.879m                      | 7.212m                |
| 5                               | 2                   | 5M            | 54.9u              | 1.516m                      | -                           | 475.2m                |
| 6                               | 3                   | 5M            | 57.2u              | 1.640m                      | 1.396m                      | 427.7m                |
| 7                               | 2                   | 5M            | 91.6u              | 1.507m                      | -                           | 435.3m                |
| 8                               | 2                   | 5M            | 69.8u              | 1.897m                      | -                           | 349.7m                |
| 9                               | 2                   | 5M            | 58.1u              | 1.668m                      | -                           | 584.4m                |
| 10                              | 2                   | 5M            | 81.6u              | 1.380m                      | -                           | 184.8m                |
| 11                              | 2                   | 5M            | 57.5u              | 1.242m                      | -                           | 221.2m                |
| 12                              | 3                   | 5M            | 92.2u              | 1.227m                      | 913.8u                      | 353.3m                |
| 13                              | 2                   | 5M            | 81.9u              | 1.129m                      | -                           | 486.4m                |
| 14                              | 2                   | 5M            | 66.9u              | 1.395m                      | -                           | 235.5m                |
| 15                              | 1                   | 5M            | 67.9u              | -                           | -                           | 415.5m                |
| 16                              | 3                   | 5M            | 99.2u              | 1.884m                      | 1.803m                      | 462.9m                |
| 17                              | 2                   | 5M            | 71.2u              | 1.043m                      | -                           | 214.2m                |
| 18                              | 1                   | 5M            | 70.9u              | -                           | -                           | 379.4m                |
| 19                              | 2                   | 5M            | 68.8u              | 1.209m                      | -                           | 322.3m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_22  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5527MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 5M            | 64.8u              | 1.186m                      | -                           | 75.79m                |
| 2                               | 3                   | 5M            | 95.3u              | 1.039m                      | 1.151m                      | 354.7m                |
| 3                               | 1                   | 5M            | 58.2u              | -                           | -                           | 145.6m                |
| 4                               | 2                   | 5M            | 96.2u              | 1.328m                      | -                           | 408.6m                |
| 5                               | 1                   | 5M            | 70.0u              | -                           | -                           | 571.7m                |
| 6                               | 1                   | 5M            | 97.0u              | -                           | -                           | 4.469m                |
| 7                               | 2                   | 5M            | 74.8u              | 1.904m                      | -                           | 112.1m                |
| 8                               | 2                   | 5M            | 86.3u              | 1.847m                      | -                           | 19.29m                |
| 9                               | 1                   | 5M            | 56.7u              | -                           | -                           | 317.3m                |
| 10                              | 2                   | 5M            | 61.0u              | 956.0u                      | -                           | 142.0m                |
| 11                              | 2                   | 5M            | 71.0u              | 935.0u                      | -                           | 251.8m                |
| 12                              | 1                   | 5M            | 54.2u              | -                           | -                           | 150.7m                |
| 13                              | 3                   | 5M            | 90.1u              | 1.385m                      | 1.143m                      | 630.6m                |
| 14                              | 2                   | 5M            | 99.6u              | 1.522m                      | -                           | 405.1m                |
| 15                              | 2                   | 5M            | 67.1u              | 1.741m                      | -                           | 9.165m                |
| 16                              | 2                   | 5M            | 50.8u              | 1.064m                      | -                           | 487.1m                |
| 17                              | 2                   | 5M            | 78.9u              | 1.002m                      | -                           | 226.8m                |
| 18                              | 3                   | 5M            | 87.7u              | 1.409m                      | 1.017m                      | 595.7m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_23  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 11   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5527MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 6M            | 51.6u              | 1.534m                      | 1.356m                      | 923.6m                |
| 2                               | 3                   | 6M            | 71.6u              | 1.079m                      | 1.587m                      | 287.7m                |
| 3                               | 2                   | 6M            | 74.5u              | 1.832m                      | -                           | 980.6m                |
| 4                               | 2                   | 6M            | 78.9u              | 1.266m                      | -                           | 281.6m                |
| 5                               | 2                   | 6M            | 50.0u              | 1.076m                      | -                           | 519.7m                |
| 6                               | 1                   | 6M            | 58.3u              | -                           | -                           | 189.4m                |
| 7                               | 2                   | 6M            | 63.9u              | 1.193m                      | -                           | 701.3m                |
| 8                               | 2                   | 6M            | 88.1u              | 1.462m                      | -                           | 107.5m                |
| 9                               | 3                   | 6M            | 62.4u              | 1.328m                      | 971.6u                      | 153.5m                |
| 10                              | 1                   | 6M            | 65.5u              | -                           | -                           | 1.012                 |
| 11                              | 1                   | 6M            | 95.5u              | -                           | -                           | 359.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_24  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5527MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 6M            | 63.2u              | -                           | -                           | 639.7m                |
| 2                               | 3                   | 6M            | 51.2u              | 1.477m                      | 1.835m                      | 678.8m                |
| 3                               | 3                   | 6M            | 64.0u              | 1.440m                      | 1.154m                      | 534.7m                |
| 4                               | 2                   | 6M            | 70.2u              | 1.135m                      | -                           | 1.023                 |
| 5                               | 2                   | 6M            | 82.2u              | 1.368m                      | -                           | 565.5m                |
| 6                               | 2                   | 6M            | 90.8u              | 1.524m                      | -                           | 59.60m                |
| 7                               | 2                   | 6M            | 61.5u              | 985.5u                      | -                           | 1.004                 |
| 8                               | 1                   | 6M            | 52.3u              | -                           | -                           | 775.3m                |
| 9                               | 3                   | 6M            | 75.8u              | 1.274m                      | 1.399m                      | 123.2m                |
| 10                              | 1                   | 6M            | 83.4u              | -                           | -                           | 1.109                 |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_25  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 8    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5525MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 11M           | 84.4u              | 1.421m                      | -                           | 801.3m                |
| 2                               | 3                   | 11M           | 70.4u              | 1.837m                      | 1.413m                      | 694.8m                |
| 3                               | 1                   | 11M           | 56.8u              | -                           | -                           | 852.3m                |
| 4                               | 2                   | 11M           | 88.3u              | 1.609m                      | -                           | 214.6m                |
| 5                               | 3                   | 11M           | 63.4u              | 1.206m                      | 1.734m                      | 788.8m                |
| 6                               | 3                   | 11M           | 66.9u              | 942.1u                      | 1.551m                      | 502.0m                |
| 7                               | 3                   | 11M           | 67.8u              | 938.2u                      | 1.580m                      | 404.8m                |
| 8                               | 2                   | 11M           | 68.5u              | 1.233m                      | -                           | 191.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_26  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5525MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 11M           | 83.2u              | -                           | -                           | 45.94m                |
| 2                               | 2                   | 11M           | 64.2u              | 1.124m                      | -                           | 371.8m                |
| 3                               | 2                   | 11M           | 93.6u              | 1.066m                      | -                           | 35.45m                |
| 4                               | 2                   | 11M           | 81.4u              | 1.900m                      | -                           | 379.4m                |
| 5                               | 2                   | 11M           | 72.5u              | 1.373m                      | -                           | 425.9m                |
| 6                               | 2                   | 11M           | 63.2u              | 1.827m                      | -                           | 395.1m                |
| 7                               | 3                   | 11M           | 78.0u              | 1.366m                      | 1.019m                      | 157.6m                |
| 8                               | 1                   | 11M           | 70.4u              | -                           | -                           | 237.3m                |
| 9                               | 3                   | 11M           | 62.4u              | 1.269m                      | 1.701m                      | 582.7m                |
| 10                              | 1                   | 11M           | 85.8u              | -                           | -                           | 223.0m                |
| 11                              | 3                   | 11M           | 57.4u              | 1.075m                      | 1.909m                      | 626.8m                |
| 12                              | 2                   | 11M           | 66.5u              | 1.637m                      | -                           | 578.6m                |
| 13                              | 3                   | 11M           | 52.8u              | 1.165m                      | 1.623m                      | 626.6m                |
| 14                              | 3                   | 11M           | 51.0u              | 1.021m                      | 1.068m                      | 482.0m                |
| 15                              | 1                   | 11M           | 52.0u              | -                           | -                           | 471.8m                |
| 16                              | 2                   | 11M           | 72.0u              | 1.694m                      | -                           | 284.8m                |
| 17                              | 2                   | 11M           | 58.9u              | 1.920m                      | -                           | 155.7m                |
| 18                              | 3                   | 11M           | 84.2u              | 1.879m                      | 1.077m                      | 352.7m                |
| 19                              | 2                   | 11M           | 51.5u              | 1.504m                      | -                           | 605.5m                |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_27  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 9    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5521MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 19M           | 86.6u              | -                           | -                           | 1.233                 |
| 2                               | 2                   | 19M           | 75.4u              | 1.787m                      | -                           | 1.316                 |
| 3                               | 3                   | 19M           | 50.2u              | 1.838m                      | 1.148m                      | 902.0m                |
| 4                               | 1                   | 19M           | 58.8u              | -                           | -                           | 953.0m                |
| 5                               | 2                   | 19M           | 54.0u              | 1.432m                      | -                           | 424.4m                |
| 6                               | 2                   | 19M           | 51.1u              | 1.395m                      | -                           | 265.3m                |
| 7                               | 1                   | 19M           | 63.0u              | -                           | -                           | 502.3m                |
| 8                               | 1                   | 19M           | 67.6u              | -                           | -                           | 1.070                 |
| 9                               | 2                   | 19M           | 91.3u              | 1.439m                      | -                           | 517.4m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_28  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 17   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5521MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 19M           | 78.0u              | 1.167m                      | -                           | 269.8m                |
| 2                               | 3                   | 19M           | 82.8u              | 1.545m                      | 1.544m                      | 640.4m                |
| 3                               | 2                   | 19M           | 73.0u              | 1.679m                      | -                           | 88.41m                |
| 4                               | 2                   | 19M           | 67.7u              | 1.793m                      | -                           | 557.7m                |
| 5                               | 2                   | 19M           | 55.9u              | 1.359m                      | -                           | 651.0m                |
| 6                               | 2                   | 19M           | 92.9u              | 1.029m                      | -                           | 485.5m                |
| 7                               | 3                   | 19M           | 70.2u              | 1.756m                      | 1.342m                      | 179.1m                |
| 8                               | 1                   | 19M           | 55.1u              | -                           | -                           | 407.5m                |
| 9                               | 3                   | 19M           | 67.9u              | 1.910m                      | 1.250m                      | 285.0m                |
| 10                              | 1                   | 19M           | 50.3u              | -                           | -                           | 147.8m                |
| 11                              | 3                   | 19M           | 50.3u              | 1.543m                      | 1.185m                      | 550.6m                |
| 12                              | 3                   | 19M           | 93.9u              | 1.670m                      | 1.112m                      | 207.5m                |
| 13                              | 3                   | 19M           | 54.3u              | 1.260m                      | 1.333m                      | 689.3m                |
| 14                              | 1                   | 19M           | 73.3u              | -                           | -                           | 595.0m                |
| 15                              | 2                   | 19M           | 86.5u              | 1.506m                      | -                           | 78.29m                |
| 16                              | 3                   | 19M           | 53.8u              | 1.088m                      | 1.261m                      | 105.6m                |
| 17                              | 2                   | 19M           | 89.3u              | 1.368m                      | -                           | 145.9m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_29  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5521MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 78.6u              | 1.551m                      | -                           | 833.2m                |
| 2                               | 2                   | 20M           | 51.6u              | 990.4u                      | -                           | 825.2m                |
| 3                               | 2                   | 20M           | 86.8u              | 1.097m                      | -                           | 809.6m                |
| 4                               | 1                   | 20M           | 60.5u              | -                           | -                           | 792.9m                |
| 5                               | 2                   | 20M           | 54.9u              | 1.783m                      | -                           | 491.4m                |
| 6                               | 2                   | 20M           | 75.7u              | 1.245m                      | -                           | 717.7m                |
| 7                               | 2                   | 20M           | 55.0u              | 1.513m                      | -                           | 1.155                 |
| 8                               | 2                   | 20M           | 79.2u              | 955.8u                      | -                           | 118.6m                |
| 9                               | 1                   | 20M           | 56.4u              | -                           | -                           | 881.1m                |
| 10                              | 1                   | 20M           | 97.7u              | -                           | -                           | 978.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_30  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5521MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 20M           | 58.6u              | -                           | -                           | 36.12m                |
| 2                               | 2                   | 20M           | 92.0u              | 1.831m                      | -                           | 301.7m                |
| 3                               | 2                   | 20M           | 97.4u              | 1.173m                      | -                           | 286.9m                |
| 4                               | 2                   | 20M           | 57.0u              | 979.0u                      | -                           | 55.23m                |
| 5                               | 1                   | 20M           | 66.5u              | -                           | -                           | 376.4m                |
| 6                               | 2                   | 20M           | 78.9u              | 1.100m                      | -                           | 434.4m                |
| 7                               | 2                   | 20M           | 70.2u              | 1.681m                      | -                           | 626.6m                |
| 8                               | 3                   | 20M           | 72.3u              | 1.233m                      | 1.537m                      | 438.6m                |
| 9                               | 2                   | 20M           | 59.1u              | 1.565m                      | -                           | 429.8m                |
| 10                              | 1                   | 20M           | 50.4u              | -                           | -                           | 446.6m                |
| 11                              | 2                   | 20M           | 88.1u              | 1.050m                      | -                           | 371.0m                |
| 12                              | 2                   | 20M           | 52.9u              | 1.220m                      | -                           | 91.61m                |
| 13                              | 1                   | 20M           | 95.1u              | -                           | -                           | 395.7m                |
| 14                              | 1                   | 20M           | 82.4u              | -                           | -                           | 374.5m                |
| 15                              | 2                   | 20M           | 96.3u              | 992.7u                      | -                           | 595.6m                |
| 16                              | 2                   | 20M           | 91.4u              | 1.793m                      | -                           | 121.7m                |
| 17                              | 2                   | 20M           | 97.6u              | 1.191m                      | -                           | 331.3m                |
| 18                              | 2                   | 20M           | 61.0u              | 1.695m                      | -                           | 56.15m                |

| Type 6 Radar Statistical Performances |                  |                 |         |           |
|---------------------------------------|------------------|-----------------|---------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Detection |
| 1                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 2                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 3                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 4                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 5                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 6                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 7                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 8                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 9                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 10                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 11                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 12                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 13                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 14                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 15                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 16                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 17                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 18                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 19                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 20                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 21                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 22                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 23                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 24                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 25                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 26                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 27                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 28                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 29                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 30                                    | 9                | 1.0u            | 333.0u  | Yes       |
| Detection Rate: 100.0 %               |                  |                 |         |           |

| Type 6 Radar Statistical Performances |                                 |                         |
|---------------------------------------|---------------------------------|-------------------------|
| Trial #                               | Hopping Frequency Sequence Name | Detection               |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes                     |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes                     |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes                     |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes                     |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes                     |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes                     |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes                     |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes                     |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes                     |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes                     |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes                     |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes                     |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes                     |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes                     |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes                     |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes                     |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes                     |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes                     |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes                     |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes                     |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes                     |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes                     |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes                     |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes                     |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes                     |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes                     |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes                     |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes                     |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes                     |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes                     |
|                                       |                                 | Detection Rate: 100.0 % |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.419G            | 2    | 5.701G            | 3    | 5.392G            | 4    | 5.709G            |
| 5                                                | 5.506G            | 6    | 5.313G            | 7    | 5.613G            | 8    | 5.415G            |
| 9                                                | 5.537G            | 10   | 5.299G            | 11   | 5.283G            | 12   | 5.520G            |
| 13                                               | 5.609G            | 14   | 5.422G            | 15   | 5.569G            | 16   | 5.681G            |
| 17                                               | 5.480G            | 18   | 5.265G            | 19   | 5.411G            | 20   | 5.587G            |
| 21                                               | 5.309G            | 22   | 5.495G            | 23   | 5.530G            | 24   | 5.683G            |
| 25                                               | 5.418G            | 26   | 5.654G            | 27   | 5.635G            | 28   | 5.631G            |
| 29                                               | 5.524G            | 30   | 5.426G            | 31   | 5.452G            | 32   | 5.294G            |
| 33                                               | 5.573G            | 34   | 5.461G            | 35   | 5.267G            | 36   | 5.376G            |
| 37                                               | 5.471G            | 38   | 5.685G            | 39   | 5.363G            | 40   | 5.256G            |
| 41                                               | 5.278G            | 42   | 5.518G            | 43   | 5.393G            | 44   | 5.396G            |
| 45                                               | 5.305G            | 46   | 5.385G            | 47   | 5.272G            | 48   | 5.269G            |
| 49                                               | 5.444G            | 50   | 5.712G            | 51   | 5.532G            | 52   | 5.646G            |
| 53                                               | 5.623G            | 54   | 5.514G            | 55   | 5.508G            | 56   | 5.328G            |
| 57                                               | 5.650G            | 58   | 5.317G            | 59   | 5.581G            | 60   | 5.714G            |
| 61                                               | 5.647G            | 62   | 5.534G            | 63   | 5.304G            | 64   | 5.403G            |
| 65                                               | 5.715G            | 66   | 5.274G            | 67   | 5.724G            | 68   | 5.673G            |
| 69                                               | 5.355G            | 70   | 5.374G            | 71   | 5.507G            | 72   | 5.639G            |
| 73                                               | 5.335G            | 74   | 5.442G            | 75   | 5.406G            | 76   | 5.509G            |
| 77                                               | 5.590G            | 78   | 5.655G            | 79   | 5.303G            | 80   | 5.459G            |
| 81                                               | 5.511G            | 82   | 5.296G            | 83   | 5.572G            | 84   | 5.499G            |
| 85                                               | 5.580G            | 86   | 5.548G            | 87   | 5.453G            | 88   | 5.466G            |
| 89                                               | 5.567G            | 90   | 5.614G            | 91   | 5.648G            | 92   | 5.323G            |
| 93                                               | 5.491G            | 94   | 5.481G            | 95   | 5.318G            | 96   | 5.705G            |
| 97                                               | 5.554G            | 98   | 5.372G            | 99   | 5.400G            | 100  | 5.621G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.509G            | 2    | 5.630G            | 3    | 5.452G            | 4    | 5.692G            |
| 5                                                | 5.447G            | 6    | 5.312G            | 7    | 5.566G            | 8    | 5.306G            |
| 9                                                | 5.635G            | 10   | 5.674G            | 11   | 5.365G            | 12   | 5.424G            |
| 13                                               | 5.594G            | 14   | 5.668G            | 15   | 5.458G            | 16   | 5.676G            |
| 17                                               | 5.505G            | 18   | 5.444G            | 19   | 5.706G            | 20   | 5.704G            |
| 21                                               | 5.422G            | 22   | 5.528G            | 23   | 5.639G            | 24   | 5.294G            |
| 25                                               | 5.552G            | 26   | 5.570G            | 27   | 5.521G            | 28   | 5.545G            |
| 29                                               | 5.286G            | 30   | 5.636G            | 31   | 5.687G            | 32   | 5.432G            |
| 33                                               | 5.694G            | 34   | 5.641G            | 35   | 5.679G            | 36   | 5.673G            |
| 37                                               | 5.323G            | 38   | 5.571G            | 39   | 5.476G            | 40   | 5.722G            |
| 41                                               | 5.333G            | 42   | 5.307G            | 43   | 5.279G            | 44   | 5.592G            |
| 45                                               | 5.695G            | 46   | 5.638G            | 47   | 5.474G            | 48   | 5.684G            |
| 49                                               | 5.622G            | 50   | 5.648G            | 51   | 5.624G            | 52   | 5.559G            |
| 53                                               | 5.273G            | 54   | 5.462G            | 55   | 5.518G            | 56   | 5.470G            |
| 57                                               | 5.659G            | 58   | 5.669G            | 59   | 5.439G            | 60   | 5.547G            |
| 61                                               | 5.328G            | 62   | 5.420G            | 63   | 5.258G            | 64   | 5.602G            |
| 65                                               | 5.348G            | 66   | 5.703G            | 67   | 5.361G            | 68   | 5.256G            |
| 69                                               | 5.284G            | 70   | 5.723G            | 71   | 5.535G            | 72   | 5.599G            |
| 73                                               | 5.608G            | 74   | 5.714G            | 75   | 5.657G            | 76   | 5.561G            |
| 77                                               | 5.513G            | 78   | 5.393G            | 79   | 5.554G            | 80   | 5.681G            |
| 81                                               | 5.666G            | 82   | 5.285G            | 83   | 5.584G            | 84   | 5.485G            |
| 85                                               | 5.301G            | 86   | 5.585G            | 87   | 5.310G            | 88   | 5.555G            |
| 89                                               | 5.690G            | 90   | 5.434G            | 91   | 5.421G            | 92   | 5.385G            |
| 93                                               | 5.568G            | 94   | 5.548G            | 95   | 5.363G            | 96   | 5.330G            |
| 97                                               | 5.386G            | 98   | 5.262G            | 99   | 5.475G            | 100  | 5.562G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.425G            | 2    | 5.296G            | 3    | 5.541G            | 4    | 5.485G            |
| 5                                                | 5.609G            | 6    | 5.550G            | 7    | 5.565G            | 8    | 5.505G            |
| 9                                                | 5.270G            | 10   | 5.439G            | 11   | 5.597G            | 12   | 5.632G            |
| 13                                               | 5.599G            | 14   | 5.305G            | 15   | 5.454G            | 16   | 5.489G            |
| 17                                               | 5.299G            | 18   | 5.272G            | 19   | 5.428G            | 20   | 5.634G            |
| 21                                               | 5.562G            | 22   | 5.482G            | 23   | 5.623G            | 24   | 5.620G            |
| 25                                               | 5.645G            | 26   | 5.637G            | 27   | 5.646G            | 28   | 5.576G            |
| 29                                               | 5.359G            | 30   | 5.386G            | 31   | 5.472G            | 32   | 5.376G            |
| 33                                               | 5.548G            | 34   | 5.554G            | 35   | 5.606G            | 36   | 5.508G            |
| 37                                               | 5.529G            | 38   | 5.481G            | 39   | 5.350G            | 40   | 5.578G            |
| 41                                               | 5.630G            | 42   | 5.354G            | 43   | 5.512G            | 44   | 5.362G            |
| 45                                               | 5.448G            | 46   | 5.335G            | 47   | 5.273G            | 48   | 5.311G            |
| 49                                               | 5.251G            | 50   | 5.365G            | 51   | 5.266G            | 52   | 5.467G            |
| 53                                               | 5.542G            | 54   | 5.569G            | 55   | 5.723G            | 56   | 5.666G            |
| 57                                               | 5.414G            | 58   | 5.709G            | 59   | 5.268G            | 60   | 5.547G            |
| 61                                               | 5.331G            | 62   | 5.430G            | 63   | 5.461G            | 64   | 5.551G            |
| 65                                               | 5.338G            | 66   | 5.343G            | 67   | 5.337G            | 68   | 5.557G            |
| 69                                               | 5.644G            | 70   | 5.347G            | 71   | 5.440G            | 72   | 5.378G            |
| 73                                               | 5.451G            | 74   | 5.294G            | 75   | 5.342G            | 76   | 5.295G            |
| 77                                               | 5.667G            | 78   | 5.699G            | 79   | 5.492G            | 80   | 5.260G            |
| 81                                               | 5.465G            | 82   | 5.290G            | 83   | 5.591G            | 84   | 5.250G            |
| 85                                               | 5.560G            | 86   | 5.607G            | 87   | 5.507G            | 88   | 5.391G            |
| 89                                               | 5.714G            | 90   | 5.476G            | 91   | 5.462G            | 92   | 5.681G            |
| 93                                               | 5.544G            | 94   | 5.657G            | 95   | 5.671G            | 96   | 5.315G            |
| 97                                               | 5.438G            | 98   | 5.594G            | 99   | 5.694G            | 100  | 5.446G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.656G            | 2    | 5.317G            | 3    | 5.710G            | 4    | 5.659G            |
| 5                                                | 5.320G            | 6    | 5.553G            | 7    | 5.341G            | 8    | 5.424G            |
| 9                                                | 5.346G            | 10   | 5.700G            | 11   | 5.295G            | 12   | 5.688G            |
| 13                                               | 5.508G            | 14   | 5.433G            | 15   | 5.363G            | 16   | 5.614G            |
| 17                                               | 5.357G            | 18   | 5.293G            | 19   | 5.567G            | 20   | 5.489G            |
| 21                                               | 5.271G            | 22   | 5.343G            | 23   | 5.380G            | 24   | 5.570G            |
| 25                                               | 5.379G            | 26   | 5.305G            | 27   | 5.267G            | 28   | 5.288G            |
| 29                                               | 5.371G            | 30   | 5.683G            | 31   | 5.446G            | 32   | 5.311G            |
| 33                                               | 5.259G            | 34   | 5.352G            | 35   | 5.270G            | 36   | 5.699G            |
| 37                                               | 5.462G            | 38   | 5.501G            | 39   | 5.602G            | 40   | 5.289G            |
| 41                                               | 5.684G            | 42   | 5.434G            | 43   | 5.629G            | 44   | 5.715G            |
| 45                                               | 5.313G            | 46   | 5.429G            | 47   | 5.253G            | 48   | 5.260G            |
| 49                                               | 5.539G            | 50   | 5.717G            | 51   | 5.547G            | 52   | 5.419G            |
| 53                                               | 5.596G            | 54   | 5.251G            | 55   | 5.377G            | 56   | 5.531G            |
| 57                                               | 5.612G            | 58   | 5.476G            | 59   | 5.403G            | 60   | 5.442G            |
| 61                                               | 5.580G            | 62   | 5.663G            | 63   | 5.706G            | 64   | 5.453G            |
| 65                                               | 5.461G            | 66   | 5.677G            | 67   | 5.427G            | 68   | 5.518G            |
| 69                                               | 5.438G            | 70   | 5.721G            | 71   | 5.587G            | 72   | 5.359G            |
| 73                                               | 5.397G            | 74   | 5.304G            | 75   | 5.641G            | 76   | 5.474G            |
| 77                                               | 5.537G            | 78   | 5.650G            | 79   | 5.485G            | 80   | 5.696G            |
| 81                                               | 5.675G            | 82   | 5.588G            | 83   | 5.389G            | 84   | 5.600G            |
| 85                                               | 5.323G            | 86   | 5.516G            | 87   | 5.458G            | 88   | 5.571G            |
| 89                                               | 5.319G            | 90   | 5.354G            | 91   | 5.477G            | 92   | 5.291G            |
| 93                                               | 5.692G            | 94   | 5.422G            | 95   | 5.425G            | 96   | 5.671G            |
| 97                                               | 5.393G            | 98   | 5.497G            | 99   | 5.407G            | 100  | 5.413G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.433G            | 2    | 5.522G            | 3    | 5.546G            | 4    | 5.617G            |
| 5                                                | 5.350G            | 6    | 5.599G            | 7    | 5.588G            | 8    | 5.385G            |
| 9                                                | 5.605G            | 10   | 5.484G            | 11   | 5.670G            | 12   | 5.694G            |
| 13                                               | 5.352G            | 14   | 5.544G            | 15   | 5.489G            | 16   | 5.677G            |
| 17                                               | 5.337G            | 18   | 5.394G            | 19   | 5.625G            | 20   | 5.285G            |
| 21                                               | 5.566G            | 22   | 5.435G            | 23   | 5.581G            | 24   | 5.331G            |
| 25                                               | 5.474G            | 26   | 5.280G            | 27   | 5.381G            | 28   | 5.400G            |
| 29                                               | 5.348G            | 30   | 5.446G            | 31   | 5.282G            | 32   | 5.398G            |
| 33                                               | 5.693G            | 34   | 5.336G            | 35   | 5.276G            | 36   | 5.448G            |
| 37                                               | 5.638G            | 38   | 5.371G            | 39   | 5.417G            | 40   | 5.587G            |
| 41                                               | 5.696G            | 42   | 5.574G            | 43   | 5.314G            | 44   | 5.536G            |
| 45                                               | 5.437G            | 46   | 5.405G            | 47   | 5.289G            | 48   | 5.675G            |
| 49                                               | 5.553G            | 50   | 5.298G            | 51   | 5.479G            | 52   | 5.263G            |
| 53                                               | 5.613G            | 54   | 5.295G            | 55   | 5.712G            | 56   | 5.653G            |
| 57                                               | 5.302G            | 58   | 5.538G            | 59   | 5.500G            | 60   | 5.353G            |
| 61                                               | 5.368G            | 62   | 5.416G            | 63   | 5.534G            | 64   | 5.711G            |
| 65                                               | 5.384G            | 66   | 5.632G            | 67   | 5.426G            | 68   | 5.283G            |
| 69                                               | 5.469G            | 70   | 5.418G            | 71   | 5.253G            | 72   | 5.430G            |
| 73                                               | 5.572G            | 74   | 5.620G            | 75   | 5.481G            | 76   | 5.668G            |
| 77                                               | 5.424G            | 78   | 5.559G            | 79   | 5.511G            | 80   | 5.335G            |
| 81                                               | 5.499G            | 82   | 5.319G            | 83   | 5.698G            | 84   | 5.709G            |
| 85                                               | 5.649G            | 86   | 5.376G            | 87   | 5.655G            | 88   | 5.383G            |
| 89                                               | 5.305G            | 90   | 5.614G            | 91   | 5.718G            | 92   | 5.357G            |
| 93                                               | 5.691G            | 94   | 5.409G            | 95   | 5.676G            | 96   | 5.429G            |
| 97                                               | 5.505G            | 98   | 5.703G            | 99   | 5.466G            | 100  | 5.389G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.389G            | 2    | 5.339G            | 3    | 5.605G            | 4    | 5.388G            |
| 5                                                | 5.462G            | 6    | 5.676G            | 7    | 5.319G            | 8    | 5.322G            |
| 9                                                | 5.639G            | 10   | 5.379G            | 11   | 5.521G            | 12   | 5.371G            |
| 13                                               | 5.311G            | 14   | 5.414G            | 15   | 5.252G            | 16   | 5.398G            |
| 17                                               | 5.364G            | 18   | 5.723G            | 19   | 5.530G            | 20   | 5.348G            |
| 21                                               | 5.474G            | 22   | 5.509G            | 23   | 5.589G            | 24   | 5.574G            |
| 25                                               | 5.316G            | 26   | 5.279G            | 27   | 5.271G            | 28   | 5.257G            |
| 29                                               | 5.563G            | 30   | 5.699G            | 31   | 5.366G            | 32   | 5.611G            |
| 33                                               | 5.384G            | 34   | 5.643G            | 35   | 5.479G            | 36   | 5.579G            |
| 37                                               | 5.353G            | 38   | 5.487G            | 39   | 5.571G            | 40   | 5.272G            |
| 41                                               | 5.432G            | 42   | 5.422G            | 43   | 5.302G            | 44   | 5.260G            |
| 45                                               | 5.508G            | 46   | 5.281G            | 47   | 5.515G            | 48   | 5.400G            |
| 49                                               | 5.645G            | 50   | 5.291G            | 51   | 5.706G            | 52   | 5.282G            |
| 53                                               | 5.288G            | 54   | 5.453G            | 55   | 5.259G            | 56   | 5.406G            |
| 57                                               | 5.674G            | 58   | 5.687G            | 59   | 5.554G            | 60   | 5.710G            |
| 61                                               | 5.629G            | 62   | 5.654G            | 63   | 5.449G            | 64   | 5.557G            |
| 65                                               | 5.440G            | 66   | 5.323G            | 67   | 5.267G            | 68   | 5.624G            |
| 69                                               | 5.256G            | 70   | 5.516G            | 71   | 5.410G            | 72   | 5.581G            |
| 73                                               | 5.619G            | 74   | 5.341G            | 75   | 5.627G            | 76   | 5.346G            |
| 77                                               | 5.418G            | 78   | 5.625G            | 79   | 5.304G            | 80   | 5.338G            |
| 81                                               | 5.481G            | 82   | 5.454G            | 83   | 5.600G            | 84   | 5.365G            |
| 85                                               | 5.497G            | 86   | 5.667G            | 87   | 5.537G            | 88   | 5.568G            |
| 89                                               | 5.606G            | 90   | 5.287G            | 91   | 5.385G            | 92   | 5.693G            |
| 93                                               | 5.548G            | 94   | 5.702G            | 95   | 5.421G            | 96   | 5.513G            |
| 97                                               | 5.357G            | 98   | 5.675G            | 99   | 5.583G            | 100  | 5.598G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.321G            | 2    | 5.701G            | 3    | 5.598G            | 4    | 5.530G            |
| 5                                                | 5.459G            | 6    | 5.522G            | 7    | 5.542G            | 8    | 5.543G            |
| 9                                                | 5.623G            | 10   | 5.463G            | 11   | 5.326G            | 12   | 5.711G            |
| 13                                               | 5.347G            | 14   | 5.674G            | 15   | 5.427G            | 16   | 5.571G            |
| 17                                               | 5.639G            | 18   | 5.669G            | 19   | 5.298G            | 20   | 5.304G            |
| 21                                               | 5.470G            | 22   | 5.315G            | 23   | 5.709G            | 24   | 5.556G            |
| 25                                               | 5.641G            | 26   | 5.299G            | 27   | 5.567G            | 28   | 5.564G            |
| 29                                               | 5.405G            | 30   | 5.291G            | 31   | 5.544G            | 32   | 5.262G            |
| 33                                               | 5.670G            | 34   | 5.577G            | 35   | 5.314G            | 36   | 5.679G            |
| 37                                               | 5.539G            | 38   | 5.387G            | 39   | 5.392G            | 40   | 5.699G            |
| 41                                               | 5.562G            | 42   | 5.478G            | 43   | 5.633G            | 44   | 5.502G            |
| 45                                               | 5.609G            | 46   | 5.305G            | 47   | 5.710G            | 48   | 5.451G            |
| 49                                               | 5.379G            | 50   | 5.707G            | 51   | 5.434G            | 52   | 5.296G            |
| 53                                               | 5.651G            | 54   | 5.700G            | 55   | 5.632G            | 56   | 5.663G            |
| 57                                               | 5.681G            | 58   | 5.369G            | 59   | 5.320G            | 60   | 5.561G            |
| 61                                               | 5.391G            | 62   | 5.307G            | 63   | 5.557G            | 64   | 5.295G            |
| 65                                               | 5.510G            | 66   | 5.273G            | 67   | 5.414G            | 68   | 5.662G            |
| 69                                               | 5.394G            | 70   | 5.489G            | 71   | 5.403G            | 72   | 5.390G            |
| 73                                               | 5.368G            | 74   | 5.601G            | 75   | 5.443G            | 76   | 5.383G            |
| 77                                               | 5.688G            | 78   | 5.704G            | 79   | 5.269G            | 80   | 5.327G            |
| 81                                               | 5.381G            | 82   | 5.409G            | 83   | 5.480G            | 84   | 5.565G            |
| 85                                               | 5.288G            | 86   | 5.250G            | 87   | 5.566G            | 88   | 5.366G            |
| 89                                               | 5.724G            | 90   | 5.361G            | 91   | 5.393G            | 92   | 5.375G            |
| 93                                               | 5.482G            | 94   | 5.647G            | 95   | 5.666G            | 96   | 5.549G            |
| 97                                               | 5.495G            | 98   | 5.593G            | 99   | 5.294G            | 100  | 5.572G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.291G            | 2    | 5.486G            | 3    | 5.278G            | 4    | 5.310G            |
| 5                                                | 5.391G            | 6    | 5.386G            | 7    | 5.669G            | 8    | 5.530G            |
| 9                                                | 5.641G            | 10   | 5.490G            | 11   | 5.704G            | 12   | 5.263G            |
| 13                                               | 5.687G            | 14   | 5.475G            | 15   | 5.533G            | 16   | 5.538G            |
| 17                                               | 5.268G            | 18   | 5.593G            | 19   | 5.438G            | 20   | 5.517G            |
| 21                                               | 5.332G            | 22   | 5.683G            | 23   | 5.376G            | 24   | 5.305G            |
| 25                                               | 5.539G            | 26   | 5.544G            | 27   | 5.510G            | 28   | 5.255G            |
| 29                                               | 5.321G            | 30   | 5.274G            | 31   | 5.442G            | 32   | 5.322G            |
| 33                                               | 5.629G            | 34   | 5.661G            | 35   | 5.709G            | 36   | 5.439G            |
| 37                                               | 5.648G            | 38   | 5.571G            | 39   | 5.393G            | 40   | 5.257G            |
| 41                                               | 5.444G            | 42   | 5.532G            | 43   | 5.498G            | 44   | 5.576G            |
| 45                                               | 5.520G            | 46   | 5.597G            | 47   | 5.276G            | 48   | 5.636G            |
| 49                                               | 5.330G            | 50   | 5.684G            | 51   | 5.359G            | 52   | 5.483G            |
| 53                                               | 5.529G            | 54   | 5.525G            | 55   | 5.504G            | 56   | 5.368G            |
| 57                                               | 5.425G            | 58   | 5.303G            | 59   | 5.372G            | 60   | 5.711G            |
| 61                                               | 5.329G            | 62   | 5.463G            | 63   | 5.616G            | 64   | 5.289G            |
| 65                                               | 5.692G            | 66   | 5.723G            | 67   | 5.551G            | 68   | 5.296G            |
| 69                                               | 5.622G            | 70   | 5.251G            | 71   | 5.264G            | 72   | 5.719G            |
| 73                                               | 5.561G            | 74   | 5.695G            | 75   | 5.508G            | 76   | 5.375G            |
| 77                                               | 5.407G            | 78   | 5.428G            | 79   | 5.344G            | 80   | 5.598G            |
| 81                                               | 5.479G            | 82   | 5.617G            | 83   | 5.354G            | 84   | 5.574G            |
| 85                                               | 5.286G            | 86   | 5.534G            | 87   | 5.499G            | 88   | 5.547G            |
| 89                                               | 5.473G            | 90   | 5.714G            | 91   | 5.706G            | 92   | 5.663G            |
| 93                                               | 5.639G            | 94   | 5.273G            | 95   | 5.608G            | 96   | 5.474G            |
| 97                                               | 5.720G            | 98   | 5.456G            | 99   | 5.647G            | 100  | 5.250G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.637G            | 2    | 5.540G            | 3    | 5.619G            | 4    | 5.273G            |
| 5                                                | 5.262G            | 6    | 5.537G            | 7    | 5.565G            | 8    | 5.710G            |
| 9                                                | 5.510G            | 10   | 5.713G            | 11   | 5.652G            | 12   | 5.549G            |
| 13                                               | 5.403G            | 14   | 5.708G            | 15   | 5.469G            | 16   | 5.491G            |
| 17                                               | 5.506G            | 18   | 5.444G            | 19   | 5.709G            | 20   | 5.339G            |
| 21                                               | 5.640G            | 22   | 5.426G            | 23   | 5.475G            | 24   | 5.482G            |
| 25                                               | 5.371G            | 26   | 5.503G            | 27   | 5.282G            | 28   | 5.568G            |
| 29                                               | 5.591G            | 30   | 5.563G            | 31   | 5.670G            | 32   | 5.408G            |
| 33                                               | 5.451G            | 34   | 5.374G            | 35   | 5.642G            | 36   | 5.586G            |
| 37                                               | 5.684G            | 38   | 5.377G            | 39   | 5.553G            | 40   | 5.564G            |
| 41                                               | 5.443G            | 42   | 5.466G            | 43   | 5.442G            | 44   | 5.316G            |
| 45                                               | 5.301G            | 46   | 5.501G            | 47   | 5.380G            | 48   | 5.257G            |
| 49                                               | 5.404G            | 50   | 5.386G            | 51   | 5.327G            | 52   | 5.417G            |
| 53                                               | 5.474G            | 54   | 5.416G            | 55   | 5.655G            | 56   | 5.291G            |
| 57                                               | 5.434G            | 58   | 5.518G            | 59   | 5.604G            | 60   | 5.592G            |
| 61                                               | 5.465G            | 62   | 5.541G            | 63   | 5.322G            | 64   | 5.718G            |
| 65                                               | 5.468G            | 66   | 5.588G            | 67   | 5.269G            | 68   | 5.289G            |
| 69                                               | 5.346G            | 70   | 5.632G            | 71   | 5.410G            | 72   | 5.362G            |
| 73                                               | 5.392G            | 74   | 5.283G            | 75   | 5.561G            | 76   | 5.516G            |
| 77                                               | 5.528G            | 78   | 5.650G            | 79   | 5.439G            | 80   | 5.615G            |
| 81                                               | 5.486G            | 82   | 5.310G            | 83   | 5.543G            | 84   | 5.626G            |
| 85                                               | 5.280G            | 86   | 5.266G            | 87   | 5.368G            | 88   | 5.252G            |
| 89                                               | 5.460G            | 90   | 5.400G            | 91   | 5.298G            | 92   | 5.405G            |
| 93                                               | 5.420G            | 94   | 5.302G            | 95   | 5.587G            | 96   | 5.329G            |
| 97                                               | 5.569G            | 98   | 5.472G            | 99   | 5.263G            | 100  | 5.665G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.631G            | 2    | 5.465G            | 3    | 5.433G            | 4    | 5.478G            |
| 5                                                | 5.398G            | 6    | 5.603G            | 7    | 5.394G            | 8    | 5.490G            |
| 9                                                | 5.318G            | 10   | 5.372G            | 11   | 5.646G            | 12   | 5.491G            |
| 13                                               | 5.517G            | 14   | 5.384G            | 15   | 5.271G            | 16   | 5.451G            |
| 17                                               | 5.685G            | 18   | 5.415G            | 19   | 5.336G            | 20   | 5.470G            |
| 21                                               | 5.587G            | 22   | 5.520G            | 23   | 5.508G            | 24   | 5.484G            |
| 25                                               | 5.509G            | 26   | 5.629G            | 27   | 5.279G            | 28   | 5.393G            |
| 29                                               | 5.266G            | 30   | 5.571G            | 31   | 5.388G            | 32   | 5.298G            |
| 33                                               | 5.659G            | 34   | 5.482G            | 35   | 5.467G            | 36   | 5.680G            |
| 37                                               | 5.414G            | 38   | 5.281G            | 39   | 5.636G            | 40   | 5.359G            |
| 41                                               | 5.427G            | 42   | 5.501G            | 43   | 5.447G            | 44   | 5.573G            |
| 45                                               | 5.432G            | 46   | 5.278G            | 47   | 5.689G            | 48   | 5.658G            |
| 49                                               | 5.688G            | 50   | 5.519G            | 51   | 5.515G            | 52   | 5.641G            |
| 53                                               | 5.309G            | 54   | 5.475G            | 55   | 5.457G            | 56   | 5.317G            |
| 57                                               | 5.670G            | 58   | 5.346G            | 59   | 5.581G            | 60   | 5.329G            |
| 61                                               | 5.536G            | 62   | 5.604G            | 63   | 5.690G            | 64   | 5.557G            |
| 65                                               | 5.331G            | 66   | 5.399G            | 67   | 5.316G            | 68   | 5.650G            |
| 69                                               | 5.370G            | 70   | 5.651G            | 71   | 5.322G            | 72   | 5.469G            |
| 73                                               | 5.251G            | 74   | 5.714G            | 75   | 5.314G            | 76   | 5.485G            |
| 77                                               | 5.489G            | 78   | 5.411G            | 79   | 5.498G            | 80   | 5.376G            |
| 81                                               | 5.561G            | 82   | 5.321G            | 83   | 5.453G            | 84   | 5.363G            |
| 85                                               | 5.367G            | 86   | 5.455G            | 87   | 5.600G            | 88   | 5.431G            |
| 89                                               | 5.459G            | 90   | 5.634G            | 91   | 5.656G            | 92   | 5.254G            |
| 93                                               | 5.409G            | 94   | 5.550G            | 95   | 5.313G            | 96   | 5.695G            |
| 97                                               | 5.562G            | 98   | 5.534G            | 99   | 5.288G            | 100  | 5.291G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.377G            | 2    | 5.523G            | 3    | 5.294G            | 4    | 5.434G            |
| 5                                                | 5.430G            | 6    | 5.438G            | 7    | 5.625G            | 8    | 5.541G            |
| 9                                                | 5.350G            | 10   | 5.311G            | 11   | 5.267G            | 12   | 5.694G            |
| 13                                               | 5.537G            | 14   | 5.280G            | 15   | 5.603G            | 16   | 5.315G            |
| 17                                               | 5.285G            | 18   | 5.577G            | 19   | 5.333G            | 20   | 5.457G            |
| 21                                               | 5.283G            | 22   | 5.633G            | 23   | 5.455G            | 24   | 5.502G            |
| 25                                               | 5.668G            | 26   | 5.706G            | 27   | 5.339G            | 28   | 5.321G            |
| 29                                               | 5.717G            | 30   | 5.566G            | 31   | 5.604G            | 32   | 5.570G            |
| 33                                               | 5.608G            | 34   | 5.270G            | 35   | 5.722G            | 36   | 5.379G            |
| 37                                               | 5.391G            | 38   | 5.671G            | 39   | 5.279G            | 40   | 5.378G            |
| 41                                               | 5.647G            | 42   | 5.649G            | 43   | 5.677G            | 44   | 5.612G            |
| 45                                               | 5.396G            | 46   | 5.300G            | 47   | 5.297G            | 48   | 5.591G            |
| 49                                               | 5.319G            | 50   | 5.558G            | 51   | 5.299G            | 52   | 5.495G            |
| 53                                               | 5.424G            | 54   | 5.611G            | 55   | 5.351G            | 56   | 5.529G            |
| 57                                               | 5.334G            | 58   | 5.629G            | 59   | 5.303G            | 60   | 5.710G            |
| 61                                               | 5.641G            | 62   | 5.423G            | 63   | 5.460G            | 64   | 5.593G            |
| 65                                               | 5.648G            | 66   | 5.251G            | 67   | 5.583G            | 68   | 5.667G            |
| 69                                               | 5.256G            | 70   | 5.621G            | 71   | 5.554G            | 72   | 5.473G            |
| 73                                               | 5.341G            | 74   | 5.390G            | 75   | 5.307G            | 76   | 5.400G            |
| 77                                               | 5.394G            | 78   | 5.601G            | 79   | 5.492G            | 80   | 5.521G            |
| 81                                               | 5.491G            | 82   | 5.560G            | 83   | 5.638G            | 84   | 5.687G            |
| 85                                               | 5.620G            | 86   | 5.506G            | 87   | 5.346G            | 88   | 5.269G            |
| 89                                               | 5.498G            | 90   | 5.719G            | 91   | 5.622G            | 92   | 5.659G            |
| 93                                               | 5.600G            | 94   | 5.695G            | 95   | 5.301G            | 96   | 5.259G            |
| 97                                               | 5.658G            | 98   | 5.661G            | 99   | 5.331G            | 100  | 5.553G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.286G            | 2    | 5.333G            | 3    | 5.361G            | 4    | 5.336G            |
| 5                                                | 5.607G            | 6    | 5.500G            | 7    | 5.307G            | 8    | 5.459G            |
| 9                                                | 5.544G            | 10   | 5.564G            | 11   | 5.505G            | 12   | 5.400G            |
| 13                                               | 5.377G            | 14   | 5.546G            | 15   | 5.589G            | 16   | 5.320G            |
| 17                                               | 5.528G            | 18   | 5.387G            | 19   | 5.550G            | 20   | 5.721G            |
| 21                                               | 5.557G            | 22   | 5.616G            | 23   | 5.419G            | 24   | 5.502G            |
| 25                                               | 5.645G            | 26   | 5.611G            | 27   | 5.629G            | 28   | 5.363G            |
| 29                                               | 5.585G            | 30   | 5.474G            | 31   | 5.277G            | 32   | 5.393G            |
| 33                                               | 5.430G            | 34   | 5.283G            | 35   | 5.349G            | 36   | 5.327G            |
| 37                                               | 5.599G            | 38   | 5.582G            | 39   | 5.624G            | 40   | 5.405G            |
| 41                                               | 5.603G            | 42   | 5.296G            | 43   | 5.391G            | 44   | 5.677G            |
| 45                                               | 5.347G            | 46   | 5.298G            | 47   | 5.295G            | 48   | 5.406G            |
| 49                                               | 5.426G            | 50   | 5.686G            | 51   | 5.492G            | 52   | 5.465G            |
| 53                                               | 5.643G            | 54   | 5.628G            | 55   | 5.515G            | 56   | 5.447G            |
| 57                                               | 5.511G            | 58   | 5.388G            | 59   | 5.389G            | 60   | 5.495G            |
| 61                                               | 5.671G            | 62   | 5.529G            | 63   | 5.415G            | 64   | 5.683G            |
| 65                                               | 5.341G            | 66   | 5.446G            | 67   | 5.556G            | 68   | 5.306G            |
| 69                                               | 5.670G            | 70   | 5.651G            | 71   | 5.630G            | 72   | 5.707G            |
| 73                                               | 5.482G            | 74   | 5.262G            | 75   | 5.655G            | 76   | 5.698G            |
| 77                                               | 5.448G            | 78   | 5.553G            | 79   | 5.496G            | 80   | 5.572G            |
| 81                                               | 5.609G            | 82   | 5.692G            | 83   | 5.700G            | 84   | 5.463G            |
| 85                                               | 5.647G            | 86   | 5.445G            | 87   | 5.576G            | 88   | 5.719G            |
| 89                                               | 5.297G            | 90   | 5.650G            | 91   | 5.352G            | 92   | 5.696G            |
| 93                                               | 5.408G            | 94   | 5.407G            | 95   | 5.543G            | 96   | 5.704G            |
| 97                                               | 5.290G            | 98   | 5.548G            | 99   | 5.285G            | 100  | 5.517G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.517G            | 2    | 5.619G            | 3    | 5.714G            | 4    | 5.399G            |
| 5                                                | 5.516G            | 6    | 5.573G            | 7    | 5.446G            | 8    | 5.341G            |
| 9                                                | 5.372G            | 10   | 5.342G            | 11   | 5.507G            | 12   | 5.395G            |
| 13                                               | 5.296G            | 14   | 5.256G            | 15   | 5.479G            | 16   | 5.574G            |
| 17                                               | 5.599G            | 18   | 5.480G            | 19   | 5.521G            | 20   | 5.321G            |
| 21                                               | 5.648G            | 22   | 5.427G            | 23   | 5.269G            | 24   | 5.566G            |
| 25                                               | 5.669G            | 26   | 5.358G            | 27   | 5.311G            | 28   | 5.292G            |
| 29                                               | 5.605G            | 30   | 5.712G            | 31   | 5.524G            | 32   | 5.400G            |
| 33                                               | 5.724G            | 34   | 5.501G            | 35   | 5.609G            | 36   | 5.513G            |
| 37                                               | 5.695G            | 38   | 5.649G            | 39   | 5.709G            | 40   | 5.432G            |
| 41                                               | 5.646G            | 42   | 5.383G            | 43   | 5.376G            | 44   | 5.684G            |
| 45                                               | 5.590G            | 46   | 5.430G            | 47   | 5.413G            | 48   | 5.384G            |
| 49                                               | 5.635G            | 50   | 5.716G            | 51   | 5.352G            | 52   | 5.356G            |
| 53                                               | 5.487G            | 54   | 5.601G            | 55   | 5.441G            | 56   | 5.622G            |
| 57                                               | 5.465G            | 58   | 5.528G            | 59   | 5.417G            | 60   | 5.390G            |
| 61                                               | 5.283G            | 62   | 5.674G            | 63   | 5.522G            | 64   | 5.431G            |
| 65                                               | 5.401G            | 66   | 5.705G            | 67   | 5.692G            | 68   | 5.408G            |
| 69                                               | 5.466G            | 70   | 5.381G            | 71   | 5.488G            | 72   | 5.509G            |
| 73                                               | 5.267G            | 74   | 5.661G            | 75   | 5.581G            | 76   | 5.405G            |
| 77                                               | 5.469G            | 78   | 5.656G            | 79   | 5.305G            | 80   | 5.549G            |
| 81                                               | 5.582G            | 82   | 5.456G            | 83   | 5.259G            | 84   | 5.377G            |
| 85                                               | 5.554G            | 86   | 5.319G            | 87   | 5.523G            | 88   | 5.302G            |
| 89                                               | 5.594G            | 90   | 5.293G            | 91   | 5.722G            | 92   | 5.641G            |
| 93                                               | 5.644G            | 94   | 5.453G            | 95   | 5.470G            | 96   | 5.503G            |
| 97                                               | 5.659G            | 98   | 5.330G            | 99   | 5.397G            | 100  | 5.557G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.293G            | 2    | 5.445G            | 3    | 5.287G            | 4    | 5.497G            |
| 5                                                | 5.660G            | 6    | 5.352G            | 7    | 5.637G            | 8    | 5.709G            |
| 9                                                | 5.333G            | 10   | 5.427G            | 11   | 5.367G            | 12   | 5.469G            |
| 13                                               | 5.577G            | 14   | 5.613G            | 15   | 5.459G            | 16   | 5.372G            |
| 17                                               | 5.284G            | 18   | 5.252G            | 19   | 5.521G            | 20   | 5.619G            |
| 21                                               | 5.487G            | 22   | 5.379G            | 23   | 5.353G            | 24   | 5.382G            |
| 25                                               | 5.433G            | 26   | 5.271G            | 27   | 5.563G            | 28   | 5.695G            |
| 29                                               | 5.506G            | 30   | 5.686G            | 31   | 5.565G            | 32   | 5.300G            |
| 33                                               | 5.569G            | 34   | 5.568G            | 35   | 5.345G            | 36   | 5.708G            |
| 37                                               | 5.283G            | 38   | 5.502G            | 39   | 5.662G            | 40   | 5.260G            |
| 41                                               | 5.404G            | 42   | 5.710G            | 43   | 5.674G            | 44   | 5.648G            |
| 45                                               | 5.281G            | 46   | 5.610G            | 47   | 5.299G            | 48   | 5.551G            |
| 49                                               | 5.474G            | 50   | 5.622G            | 51   | 5.529G            | 52   | 5.458G            |
| 53                                               | 5.553G            | 54   | 5.416G            | 55   | 5.638G            | 56   | 5.307G            |
| 57                                               | 5.524G            | 58   | 5.491G            | 59   | 5.492G            | 60   | 5.696G            |
| 61                                               | 5.693G            | 62   | 5.251G            | 63   | 5.517G            | 64   | 5.470G            |
| 65                                               | 5.477G            | 66   | 5.523G            | 67   | 5.667G            | 68   | 5.360G            |
| 69                                               | 5.418G            | 70   | 5.533G            | 71   | 5.588G            | 72   | 5.426G            |
| 73                                               | 5.349G            | 74   | 5.682G            | 75   | 5.626G            | 76   | 5.324G            |
| 77                                               | 5.454G            | 78   | 5.485G            | 79   | 5.348G            | 80   | 5.280G            |
| 81                                               | 5.436G            | 82   | 5.659G            | 83   | 5.567G            | 84   | 5.365G            |
| 85                                               | 5.268G            | 86   | 5.482G            | 87   | 5.664G            | 88   | 5.376G            |
| 89                                               | 5.576G            | 90   | 5.630G            | 91   | 5.699G            | 92   | 5.289G            |
| 93                                               | 5.496G            | 94   | 5.547G            | 95   | 5.413G            | 96   | 5.559G            |
| 97                                               | 5.311G            | 98   | 5.480G            | 99   | 5.440G            | 100  | 5.295G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.696G            | 2    | 5.616G            | 3    | 5.724G            | 4    | 5.580G            |
| 5                                                | 5.491G            | 6    | 5.647G            | 7    | 5.555G            | 8    | 5.607G            |
| 9                                                | 5.489G            | 10   | 5.306G            | 11   | 5.570G            | 12   | 5.255G            |
| 13                                               | 5.656G            | 14   | 5.291G            | 15   | 5.664G            | 16   | 5.705G            |
| 17                                               | 5.537G            | 18   | 5.376G            | 19   | 5.406G            | 20   | 5.413G            |
| 21                                               | 5.550G            | 22   | 5.501G            | 23   | 5.441G            | 24   | 5.443G            |
| 25                                               | 5.707G            | 26   | 5.509G            | 27   | 5.366G            | 28   | 5.260G            |
| 29                                               | 5.613G            | 30   | 5.536G            | 31   | 5.547G            | 32   | 5.373G            |
| 33                                               | 5.637G            | 34   | 5.294G            | 35   | 5.578G            | 36   | 5.556G            |
| 37                                               | 5.287G            | 38   | 5.485G            | 39   | 5.602G            | 40   | 5.657G            |
| 41                                               | 5.519G            | 42   | 5.606G            | 43   | 5.393G            | 44   | 5.632G            |
| 45                                               | 5.381G            | 46   | 5.293G            | 47   | 5.506G            | 48   | 5.722G            |
| 49                                               | 5.588G            | 50   | 5.652G            | 51   | 5.292G            | 52   | 5.716G            |
| 53                                               | 5.544G            | 54   | 5.363G            | 55   | 5.524G            | 56   | 5.513G            |
| 57                                               | 5.454G            | 58   | 5.462G            | 59   | 5.412G            | 60   | 5.521G            |
| 61                                               | 5.620G            | 62   | 5.370G            | 63   | 5.511G            | 64   | 5.693G            |
| 65                                               | 5.641G            | 66   | 5.666G            | 67   | 5.433G            | 68   | 5.562G            |
| 69                                               | 5.690G            | 70   | 5.375G            | 71   | 5.589G            | 72   | 5.688G            |
| 73                                               | 5.532G            | 74   | 5.480G            | 75   | 5.364G            | 76   | 5.683G            |
| 77                                               | 5.568G            | 78   | 5.402G            | 79   | 5.309G            | 80   | 5.704G            |
| 81                                               | 5.259G            | 82   | 5.539G            | 83   | 5.408G            | 84   | 5.540G            |
| 85                                               | 5.430G            | 86   | 5.386G            | 87   | 5.391G            | 88   | 5.507G            |
| 89                                               | 5.627G            | 90   | 5.416G            | 91   | 5.446G            | 92   | 5.298G            |
| 93                                               | 5.551G            | 94   | 5.350G            | 95   | 5.336G            | 96   | 5.362G            |
| 97                                               | 5.700G            | 98   | 5.590G            | 99   | 5.343G            | 100  | 5.667G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.368G            | 2    | 5.373G            | 3    | 5.380G            | 4    | 5.441G            |
| 5                                                | 5.322G            | 6    | 5.572G            | 7    | 5.561G            | 8    | 5.281G            |
| 9                                                | 5.326G            | 10   | 5.676G            | 11   | 5.674G            | 12   | 5.453G            |
| 13                                               | 5.500G            | 14   | 5.485G            | 15   | 5.460G            | 16   | 5.641G            |
| 17                                               | 5.617G            | 18   | 5.722G            | 19   | 5.473G            | 20   | 5.423G            |
| 21                                               | 5.602G            | 22   | 5.483G            | 23   | 5.635G            | 24   | 5.338G            |
| 25                                               | 5.656G            | 26   | 5.298G            | 27   | 5.466G            | 28   | 5.420G            |
| 29                                               | 5.411G            | 30   | 5.481G            | 31   | 5.271G            | 32   | 5.402G            |
| 33                                               | 5.591G            | 34   | 5.306G            | 35   | 5.666G            | 36   | 5.636G            |
| 37                                               | 5.458G            | 38   | 5.261G            | 39   | 5.341G            | 40   | 5.702G            |
| 41                                               | 5.324G            | 42   | 5.251G            | 43   | 5.396G            | 44   | 5.518G            |
| 45                                               | 5.645G            | 46   | 5.701G            | 47   | 5.550G            | 48   | 5.408G            |
| 49                                               | 5.465G            | 50   | 5.643G            | 51   | 5.331G            | 52   | 5.442G            |
| 53                                               | 5.625G            | 54   | 5.325G            | 55   | 5.681G            | 56   | 5.355G            |
| 57                                               | 5.436G            | 58   | 5.668G            | 59   | 5.434G            | 60   | 5.563G            |
| 61                                               | 5.422G            | 62   | 5.557G            | 63   | 5.292G            | 64   | 5.573G            |
| 65                                               | 5.496G            | 66   | 5.566G            | 67   | 5.429G            | 68   | 5.445G            |
| 69                                               | 5.578G            | 70   | 5.269G            | 71   | 5.686G            | 72   | 5.646G            |
| 73                                               | 5.319G            | 74   | 5.632G            | 75   | 5.312G            | 76   | 5.601G            |
| 77                                               | 5.377G            | 78   | 5.268G            | 79   | 5.615G            | 80   | 5.477G            |
| 81                                               | 5.697G            | 82   | 5.608G            | 83   | 5.502G            | 84   | 5.595G            |
| 85                                               | 5.315G            | 86   | 5.522G            | 87   | 5.314G            | 88   | 5.403G            |
| 89                                               | 5.535G            | 90   | 5.363G            | 91   | 5.470G            | 92   | 5.538G            |
| 93                                               | 5.419G            | 94   | 5.590G            | 95   | 5.447G            | 96   | 5.547G            |
| 97                                               | 5.541G            | 98   | 5.564G            | 99   | 5.435G            | 100  | 5.510G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.712G            | 2    | 5.390G            | 3    | 5.338G            | 4    | 5.702G            |
| 5                                                | 5.623G            | 6    | 5.566G            | 7    | 5.531G            | 8    | 5.660G            |
| 9                                                | 5.550G            | 10   | 5.264G            | 11   | 5.339G            | 12   | 5.663G            |
| 13                                               | 5.533G            | 14   | 5.540G            | 15   | 5.557G            | 16   | 5.475G            |
| 17                                               | 5.604G            | 18   | 5.611G            | 19   | 5.593G            | 20   | 5.351G            |
| 21                                               | 5.622G            | 22   | 5.386G            | 23   | 5.569G            | 24   | 5.427G            |
| 25                                               | 5.689G            | 26   | 5.645G            | 27   | 5.469G            | 28   | 5.654G            |
| 29                                               | 5.532G            | 30   | 5.317G            | 31   | 5.587G            | 32   | 5.501G            |
| 33                                               | 5.389G            | 34   | 5.643G            | 35   | 5.687G            | 36   | 5.350G            |
| 37                                               | 5.251G            | 38   | 5.614G            | 39   | 5.278G            | 40   | 5.268G            |
| 41                                               | 5.465G            | 42   | 5.620G            | 43   | 5.497G            | 44   | 5.312G            |
| 45                                               | 5.556G            | 46   | 5.592G            | 47   | 5.415G            | 48   | 5.461G            |
| 49                                               | 5.254G            | 50   | 5.579G            | 51   | 5.492G            | 52   | 5.496G            |
| 53                                               | 5.394G            | 54   | 5.273G            | 55   | 5.699G            | 56   | 5.256G            |
| 57                                               | 5.698G            | 58   | 5.286G            | 59   | 5.562G            | 60   | 5.455G            |
| 61                                               | 5.537G            | 62   | 5.688G            | 63   | 5.572G            | 64   | 5.674G            |
| 65                                               | 5.635G            | 66   | 5.507G            | 67   | 5.709G            | 68   | 5.684G            |
| 69                                               | 5.330G            | 70   | 5.680G            | 71   | 5.559G            | 72   | 5.551G            |
| 73                                               | 5.505G            | 74   | 5.414G            | 75   | 5.320G            | 76   | 5.483G            |
| 77                                               | 5.391G            | 78   | 5.319G            | 79   | 5.411G            | 80   | 5.491G            |
| 81                                               | 5.661G            | 82   | 5.677G            | 83   | 5.464G            | 84   | 5.607G            |
| 85                                               | 5.334G            | 86   | 5.280G            | 87   | 5.348G            | 88   | 5.650G            |
| 89                                               | 5.425G            | 90   | 5.721G            | 91   | 5.573G            | 92   | 5.275G            |
| 93                                               | 5.451G            | 94   | 5.499G            | 95   | 5.416G            | 96   | 5.696G            |
| 97                                               | 5.715G            | 98   | 5.541G            | 99   | 5.638G            | 100  | 5.681G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.674G            | 2    | 5.592G            | 3    | 5.699G            | 4    | 5.417G            |
| 5                                                | 5.694G            | 6    | 5.256G            | 7    | 5.613G            | 8    | 5.607G            |
| 9                                                | 5.313G            | 10   | 5.267G            | 11   | 5.268G            | 12   | 5.655G            |
| 13                                               | 5.715G            | 14   | 5.593G            | 15   | 5.326G            | 16   | 5.632G            |
| 17                                               | 5.308G            | 18   | 5.711G            | 19   | 5.516G            | 20   | 5.605G            |
| 21                                               | 5.393G            | 22   | 5.464G            | 23   | 5.557G            | 24   | 5.587G            |
| 25                                               | 5.282G            | 26   | 5.262G            | 27   | 5.333G            | 28   | 5.672G            |
| 29                                               | 5.351G            | 30   | 5.582G            | 31   | 5.496G            | 32   | 5.497G            |
| 33                                               | 5.665G            | 34   | 5.571G            | 35   | 5.390G            | 36   | 5.271G            |
| 37                                               | 5.558G            | 38   | 5.429G            | 39   | 5.590G            | 40   | 5.509G            |
| 41                                               | 5.618G            | 42   | 5.514G            | 43   | 5.260G            | 44   | 5.296G            |
| 45                                               | 5.611G            | 46   | 5.386G            | 47   | 5.426G            | 48   | 5.483G            |
| 49                                               | 5.601G            | 50   | 5.594G            | 51   | 5.329G            | 52   | 5.673G            |
| 53                                               | 5.576G            | 54   | 5.336G            | 55   | 5.666G            | 56   | 5.652G            |
| 57                                               | 5.690G            | 58   | 5.482G            | 59   | 5.657G            | 60   | 5.722G            |
| 61                                               | 5.255G            | 62   | 5.685G            | 63   | 5.395G            | 64   | 5.600G            |
| 65                                               | 5.548G            | 66   | 5.498G            | 67   | 5.305G            | 68   | 5.315G            |
| 69                                               | 5.658G            | 70   | 5.499G            | 71   | 5.689G            | 72   | 5.476G            |
| 73                                               | 5.408G            | 74   | 5.465G            | 75   | 5.595G            | 76   | 5.278G            |
| 77                                               | 5.502G            | 78   | 5.444G            | 79   | 5.366G            | 80   | 5.331G            |
| 81                                               | 5.653G            | 82   | 5.564G            | 83   | 5.561G            | 84   | 5.347G            |
| 85                                               | 5.481G            | 86   | 5.449G            | 87   | 5.705G            | 88   | 5.619G            |
| 89                                               | 5.677G            | 90   | 5.570G            | 91   | 5.532G            | 92   | 5.382G            |
| 93                                               | 5.602G            | 94   | 5.629G            | 95   | 5.660G            | 96   | 5.698G            |
| 97                                               | 5.349G            | 98   | 5.283G            | 99   | 5.562G            | 100  | 5.578G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.361G            | 2    | 5.418G            | 3    | 5.376G            | 4    | 5.603G            |
| 5                                                | 5.346G            | 6    | 5.513G            | 7    | 5.252G            | 8    | 5.397G            |
| 9                                                | 5.428G            | 10   | 5.474G            | 11   | 5.465G            | 12   | 5.541G            |
| 13                                               | 5.685G            | 14   | 5.681G            | 15   | 5.272G            | 16   | 5.324G            |
| 17                                               | 5.521G            | 18   | 5.481G            | 19   | 5.508G            | 20   | 5.472G            |
| 21                                               | 5.259G            | 22   | 5.690G            | 23   | 5.548G            | 24   | 5.478G            |
| 25                                               | 5.251G            | 26   | 5.682G            | 27   | 5.680G            | 28   | 5.447G            |
| 29                                               | 5.488G            | 30   | 5.380G            | 31   | 5.684G            | 32   | 5.514G            |
| 33                                               | 5.665G            | 34   | 5.643G            | 35   | 5.565G            | 36   | 5.302G            |
| 37                                               | 5.567G            | 38   | 5.381G            | 39   | 5.458G            | 40   | 5.316G            |
| 41                                               | 5.419G            | 42   | 5.661G            | 43   | 5.266G            | 44   | 5.285G            |
| 45                                               | 5.335G            | 46   | 5.504G            | 47   | 5.559G            | 48   | 5.562G            |
| 49                                               | 5.556G            | 50   | 5.612G            | 51   | 5.686G            | 52   | 5.435G            |
| 53                                               | 5.271G            | 54   | 5.699G            | 55   | 5.366G            | 56   | 5.384G            |
| 57                                               | 5.456G            | 58   | 5.442G            | 59   | 5.515G            | 60   | 5.678G            |
| 61                                               | 5.609G            | 62   | 5.640G            | 63   | 5.279G            | 64   | 5.708G            |
| 65                                               | 5.572G            | 66   | 5.638G            | 67   | 5.283G            | 68   | 5.590G            |
| 69                                               | 5.555G            | 70   | 5.356G            | 71   | 5.579G            | 72   | 5.294G            |
| 73                                               | 5.317G            | 74   | 5.278G            | 75   | 5.581G            | 76   | 5.322G            |
| 77                                               | 5.352G            | 78   | 5.660G            | 79   | 5.689G            | 80   | 5.360G            |
| 81                                               | 5.538G            | 82   | 5.319G            | 83   | 5.427G            | 84   | 5.455G            |
| 85                                               | 5.717G            | 86   | 5.657G            | 87   | 5.371G            | 88   | 5.321G            |
| 89                                               | 5.280G            | 90   | 5.402G            | 91   | 5.598G            | 92   | 5.483G            |
| 93                                               | 5.449G            | 94   | 5.476G            | 95   | 5.518G            | 96   | 5.692G            |
| 97                                               | 5.460G            | 98   | 5.524G            | 99   | 5.507G            | 100  | 5.705G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.316G            | 2    | 5.553G            | 3    | 5.265G            | 4    | 5.389G            |
| 5                                                | 5.401G            | 6    | 5.407G            | 7    | 5.357G            | 8    | 5.691G            |
| 9                                                | 5.415G            | 10   | 5.416G            | 11   | 5.538G            | 12   | 5.372G            |
| 13                                               | 5.539G            | 14   | 5.327G            | 15   | 5.629G            | 16   | 5.605G            |
| 17                                               | 5.334G            | 18   | 5.465G            | 19   | 5.380G            | 20   | 5.328G            |
| 21                                               | 5.623G            | 22   | 5.491G            | 23   | 5.624G            | 24   | 5.625G            |
| 25                                               | 5.523G            | 26   | 5.514G            | 27   | 5.654G            | 28   | 5.584G            |
| 29                                               | 5.270G            | 30   | 5.511G            | 31   | 5.681G            | 32   | 5.306G            |
| 33                                               | 5.366G            | 34   | 5.703G            | 35   | 5.608G            | 36   | 5.503G            |
| 37                                               | 5.458G            | 38   | 5.633G            | 39   | 5.272G            | 40   | 5.345G            |
| 41                                               | 5.311G            | 42   | 5.483G            | 43   | 5.405G            | 44   | 5.496G            |
| 45                                               | 5.386G            | 46   | 5.643G            | 47   | 5.542G            | 48   | 5.600G            |
| 49                                               | 5.300G            | 50   | 5.290G            | 51   | 5.578G            | 52   | 5.268G            |
| 53                                               | 5.262G            | 54   | 5.572G            | 55   | 5.370G            | 56   | 5.369G            |
| 57                                               | 5.267G            | 58   | 5.621G            | 59   | 5.348G            | 60   | 5.396G            |
| 61                                               | 5.392G            | 62   | 5.540G            | 63   | 5.289G            | 64   | 5.517G            |
| 65                                               | 5.704G            | 66   | 5.617G            | 67   | 5.448G            | 68   | 5.606G            |
| 69                                               | 5.497G            | 70   | 5.495G            | 71   | 5.602G            | 72   | 5.378G            |
| 73                                               | 5.417G            | 74   | 5.335G            | 75   | 5.355G            | 76   | 5.271G            |
| 77                                               | 5.277G            | 78   | 5.611G            | 79   | 5.414G            | 80   | 5.630G            |
| 81                                               | 5.260G            | 82   | 5.699G            | 83   | 5.552G            | 84   | 5.307G            |
| 85                                               | 5.663G            | 86   | 5.439G            | 87   | 5.323G            | 88   | 5.471G            |
| 89                                               | 5.477G            | 90   | 5.720G            | 91   | 5.648G            | 92   | 5.436G            |
| 93                                               | 5.682G            | 94   | 5.604G            | 95   | 5.558G            | 96   | 5.634G            |
| 97                                               | 5.567G            | 98   | 5.356G            | 99   | 5.708G            | 100  | 5.652G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.695G            | 2    | 5.392G            | 3    | 5.546G            | 4    | 5.452G            |
| 5                                                | 5.537G            | 6    | 5.523G            | 7    | 5.429G            | 8    | 5.522G            |
| 9                                                | 5.454G            | 10   | 5.492G            | 11   | 5.292G            | 12   | 5.328G            |
| 13                                               | 5.314G            | 14   | 5.321G            | 15   | 5.538G            | 16   | 5.330G            |
| 17                                               | 5.280G            | 18   | 5.533G            | 19   | 5.518G            | 20   | 5.384G            |
| 21                                               | 5.263G            | 22   | 5.436G            | 23   | 5.525G            | 24   | 5.590G            |
| 25                                               | 5.306G            | 26   | 5.285G            | 27   | 5.605G            | 28   | 5.653G            |
| 29                                               | 5.610G            | 30   | 5.458G            | 31   | 5.644G            | 32   | 5.694G            |
| 33                                               | 5.723G            | 34   | 5.374G            | 35   | 5.368G            | 36   | 5.565G            |
| 37                                               | 5.614G            | 38   | 5.270G            | 39   | 5.683G            | 40   | 5.255G            |
| 41                                               | 5.648G            | 42   | 5.634G            | 43   | 5.664G            | 44   | 5.484G            |
| 45                                               | 5.548G            | 46   | 5.419G            | 47   | 5.344G            | 48   | 5.371G            |
| 49                                               | 5.380G            | 50   | 5.607G            | 51   | 5.573G            | 52   | 5.293G            |
| 53                                               | 5.420G            | 54   | 5.567G            | 55   | 5.579G            | 56   | 5.503G            |
| 57                                               | 5.445G            | 58   | 5.296G            | 59   | 5.603G            | 60   | 5.414G            |
| 61                                               | 5.709G            | 62   | 5.516G            | 63   | 5.651G            | 64   | 5.411G            |
| 65                                               | 5.515G            | 66   | 5.432G            | 67   | 5.252G            | 68   | 5.604G            |
| 69                                               | 5.589G            | 70   | 5.323G            | 71   | 5.509G            | 72   | 5.671G            |
| 73                                               | 5.449G            | 74   | 5.491G            | 75   | 5.710G            | 76   | 5.588G            |
| 77                                               | 5.266G            | 78   | 5.622G            | 79   | 5.536G            | 80   | 5.372G            |
| 81                                               | 5.615G            | 82   | 5.268G            | 83   | 5.336G            | 84   | 5.471G            |
| 85                                               | 5.582G            | 86   | 5.382G            | 87   | 5.381G            | 88   | 5.387G            |
| 89                                               | 5.279G            | 90   | 5.264G            | 91   | 5.308G            | 92   | 5.278G            |
| 93                                               | 5.496G            | 94   | 5.404G            | 95   | 5.262G            | 96   | 5.322G            |
| 97                                               | 5.624G            | 98   | 5.534G            | 99   | 5.399G            | 100  | 5.506G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.274G            | 2    | 5.442G            | 3    | 5.557G            | 4    | 5.352G            |
| 5                                                | 5.424G            | 6    | 5.359G            | 7    | 5.448G            | 8    | 5.518G            |
| 9                                                | 5.576G            | 10   | 5.374G            | 11   | 5.313G            | 12   | 5.621G            |
| 13                                               | 5.651G            | 14   | 5.574G            | 15   | 5.304G            | 16   | 5.335G            |
| 17                                               | 5.549G            | 18   | 5.280G            | 19   | 5.612G            | 20   | 5.567G            |
| 21                                               | 5.388G            | 22   | 5.646G            | 23   | 5.472G            | 24   | 5.586G            |
| 25                                               | 5.650G            | 26   | 5.553G            | 27   | 5.413G            | 28   | 5.721G            |
| 29                                               | 5.287G            | 30   | 5.373G            | 31   | 5.634G            | 32   | 5.435G            |
| 33                                               | 5.601G            | 34   | 5.266G            | 35   | 5.316G            | 36   | 5.578G            |
| 37                                               | 5.571G            | 38   | 5.301G            | 39   | 5.264G            | 40   | 5.688G            |
| 41                                               | 5.581G            | 42   | 5.370G            | 43   | 5.420G            | 44   | 5.291G            |
| 45                                               | 5.415G            | 46   | 5.329G            | 47   | 5.332G            | 48   | 5.398G            |
| 49                                               | 5.609G            | 50   | 5.295G            | 51   | 5.458G            | 52   | 5.535G            |
| 53                                               | 5.632G            | 54   | 5.286G            | 55   | 5.258G            | 56   | 5.391G            |
| 57                                               | 5.250G            | 58   | 5.368G            | 59   | 5.643G            | 60   | 5.283G            |
| 61                                               | 5.503G            | 62   | 5.540G            | 63   | 5.599G            | 64   | 5.459G            |
| 65                                               | 5.439G            | 66   | 5.523G            | 67   | 5.659G            | 68   | 5.319G            |
| 69                                               | 5.252G            | 70   | 5.408G            | 71   | 5.440G            | 72   | 5.684G            |
| 73                                               | 5.642G            | 74   | 5.666G            | 75   | 5.447G            | 76   | 5.718G            |
| 77                                               | 5.454G            | 78   | 5.452G            | 79   | 5.671G            | 80   | 5.279G            |
| 81                                               | 5.308G            | 82   | 5.346G            | 83   | 5.284G            | 84   | 5.508G            |
| 85                                               | 5.501G            | 86   | 5.560G            | 87   | 5.520G            | 88   | 5.265G            |
| 89                                               | 5.652G            | 90   | 5.689G            | 91   | 5.697G            | 92   | 5.479G            |
| 93                                               | 5.397G            | 94   | 5.656G            | 95   | 5.685G            | 96   | 5.356G            |
| 97                                               | 5.500G            | 98   | 5.660G            | 99   | 5.515G            | 100  | 5.453G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.536G            | 2    | 5.300G            | 3    | 5.286G            | 4    | 5.432G            |
| 5                                                | 5.456G            | 6    | 5.499G            | 7    | 5.486G            | 8    | 5.563G            |
| 9                                                | 5.548G            | 10   | 5.703G            | 11   | 5.393G            | 12   | 5.638G            |
| 13                                               | 5.713G            | 14   | 5.608G            | 15   | 5.384G            | 16   | 5.711G            |
| 17                                               | 5.274G            | 18   | 5.516G            | 19   | 5.335G            | 20   | 5.690G            |
| 21                                               | 5.611G            | 22   | 5.424G            | 23   | 5.305G            | 24   | 5.577G            |
| 25                                               | 5.594G            | 26   | 5.289G            | 27   | 5.546G            | 28   | 5.592G            |
| 29                                               | 5.380G            | 30   | 5.565G            | 31   | 5.629G            | 32   | 5.423G            |
| 33                                               | 5.470G            | 34   | 5.372G            | 35   | 5.717G            | 36   | 5.293G            |
| 37                                               | 5.451G            | 38   | 5.722G            | 39   | 5.390G            | 40   | 5.588G            |
| 41                                               | 5.418G            | 42   | 5.460G            | 43   | 5.463G            | 44   | 5.710G            |
| 45                                               | 5.310G            | 46   | 5.675G            | 47   | 5.363G            | 48   | 5.640G            |
| 49                                               | 5.630G            | 50   | 5.457G            | 51   | 5.543G            | 52   | 5.537G            |
| 53                                               | 5.329G            | 54   | 5.518G            | 55   | 5.567G            | 56   | 5.322G            |
| 57                                               | 5.617G            | 58   | 5.450G            | 59   | 5.515G            | 60   | 5.522G            |
| 61                                               | 5.323G            | 62   | 5.512G            | 63   | 5.336G            | 64   | 5.263G            |
| 65                                               | 5.691G            | 66   | 5.287G            | 67   | 5.441G            | 68   | 5.503G            |
| 69                                               | 5.309G            | 70   | 5.283G            | 71   | 5.250G            | 72   | 5.339G            |
| 73                                               | 5.487G            | 74   | 5.321G            | 75   | 5.290G            | 76   | 5.381G            |
| 77                                               | 5.253G            | 78   | 5.599G            | 79   | 5.268G            | 80   | 5.582G            |
| 81                                               | 5.328G            | 82   | 5.532G            | 83   | 5.679G            | 84   | 5.666G            |
| 85                                               | 5.539G            | 86   | 5.469G            | 87   | 5.655G            | 88   | 5.443G            |
| 89                                               | 5.511G            | 90   | 5.643G            | 91   | 5.285G            | 92   | 5.431G            |
| 93                                               | 5.656G            | 94   | 5.535G            | 95   | 5.627G            | 96   | 5.701G            |
| 97                                               | 5.438G            | 98   | 5.495G            | 99   | 5.449G            | 100  | 5.591G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.408G            | 2    | 5.464G            | 3    | 5.693G            | 4    | 5.422G            |
| 5                                                | 5.360G            | 6    | 5.659G            | 7    | 5.485G            | 8    | 5.611G            |
| 9                                                | 5.317G            | 10   | 5.273G            | 11   | 5.594G            | 12   | 5.661G            |
| 13                                               | 5.359G            | 14   | 5.696G            | 15   | 5.518G            | 16   | 5.452G            |
| 17                                               | 5.400G            | 18   | 5.324G            | 19   | 5.677G            | 20   | 5.532G            |
| 21                                               | 5.407G            | 22   | 5.569G            | 23   | 5.372G            | 24   | 5.723G            |
| 25                                               | 5.309G            | 26   | 5.275G            | 27   | 5.637G            | 28   | 5.393G            |
| 29                                               | 5.251G            | 30   | 5.614G            | 31   | 5.484G            | 32   | 5.421G            |
| 33                                               | 5.262G            | 34   | 5.325G            | 35   | 5.454G            | 36   | 5.612G            |
| 37                                               | 5.351G            | 38   | 5.702G            | 39   | 5.604G            | 40   | 5.339G            |
| 41                                               | 5.520G            | 42   | 5.314G            | 43   | 5.283G            | 44   | 5.439G            |
| 45                                               | 5.682G            | 46   | 5.449G            | 47   | 5.342G            | 48   | 5.334G            |
| 49                                               | 5.304G            | 50   | 5.459G            | 51   | 5.675G            | 52   | 5.546G            |
| 53                                               | 5.302G            | 54   | 5.419G            | 55   | 5.326G            | 56   | 5.667G            |
| 57                                               | 5.411G            | 58   | 5.432G            | 59   | 5.705G            | 60   | 5.433G            |
| 61                                               | 5.349G            | 62   | 5.361G            | 63   | 5.668G            | 64   | 5.413G            |
| 65                                               | 5.552G            | 66   | 5.328G            | 67   | 5.338G            | 68   | 5.288G            |
| 69                                               | 5.694G            | 70   | 5.467G            | 71   | 5.620G            | 72   | 5.250G            |
| 73                                               | 5.628G            | 74   | 5.560G            | 75   | 5.582G            | 76   | 5.680G            |
| 77                                               | 5.347G            | 78   | 5.298G            | 79   | 5.426G            | 80   | 5.692G            |
| 81                                               | 5.458G            | 82   | 5.548G            | 83   | 5.337G            | 84   | 5.265G            |
| 85                                               | 5.386G            | 86   | 5.343G            | 87   | 5.424G            | 88   | 5.292G            |
| 89                                               | 5.563G            | 90   | 5.539G            | 91   | 5.724G            | 92   | 5.255G            |
| 93                                               | 5.365G            | 94   | 5.469G            | 95   | 5.389G            | 96   | 5.492G            |
| 97                                               | 5.268G            | 98   | 5.610G            | 99   | 5.438G            | 100  | 5.382G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.391G            | 2    | 5.724G            | 3    | 5.502G            | 4    | 5.548G            |
| 5                                                | 5.703G            | 6    | 5.544G            | 7    | 5.385G            | 8    | 5.676G            |
| 9                                                | 5.301G            | 10   | 5.271G            | 11   | 5.665G            | 12   | 5.298G            |
| 13                                               | 5.308G            | 14   | 5.504G            | 15   | 5.413G            | 16   | 5.446G            |
| 17                                               | 5.401G            | 18   | 5.365G            | 19   | 5.414G            | 20   | 5.430G            |
| 21                                               | 5.509G            | 22   | 5.332G            | 23   | 5.389G            | 24   | 5.545G            |
| 25                                               | 5.705G            | 26   | 5.624G            | 27   | 5.658G            | 28   | 5.263G            |
| 29                                               | 5.568G            | 30   | 5.422G            | 31   | 5.497G            | 32   | 5.341G            |
| 33                                               | 5.486G            | 34   | 5.395G            | 35   | 5.329G            | 36   | 5.660G            |
| 37                                               | 5.325G            | 38   | 5.477G            | 39   | 5.619G            | 40   | 5.525G            |
| 41                                               | 5.297G            | 42   | 5.559G            | 43   | 5.580G            | 44   | 5.590G            |
| 45                                               | 5.423G            | 46   | 5.285G            | 47   | 5.720G            | 48   | 5.267G            |
| 49                                               | 5.350G            | 50   | 5.706G            | 51   | 5.340G            | 52   | 5.649G            |
| 53                                               | 5.338G            | 54   | 5.543G            | 55   | 5.562G            | 56   | 5.687G            |
| 57                                               | 5.362G            | 58   | 5.266G            | 59   | 5.524G            | 60   | 5.520G            |
| 61                                               | 5.560G            | 62   | 5.355G            | 63   | 5.715G            | 64   | 5.542G            |
| 65                                               | 5.487G            | 66   | 5.584G            | 67   | 5.718G            | 68   | 5.269G            |
| 69                                               | 5.599G            | 70   | 5.374G            | 71   | 5.260G            | 72   | 5.587G            |
| 73                                               | 5.574G            | 74   | 5.384G            | 75   | 5.552G            | 76   | 5.403G            |
| 77                                               | 5.351G            | 78   | 5.484G            | 79   | 5.281G            | 80   | 5.259G            |
| 81                                               | 5.460G            | 82   | 5.319G            | 83   | 5.330G            | 84   | 5.533G            |
| 85                                               | 5.277G            | 86   | 5.626G            | 87   | 5.490G            | 88   | 5.439G            |
| 89                                               | 5.613G            | 90   | 5.565G            | 91   | 5.553G            | 92   | 5.561G            |
| 93                                               | 5.453G            | 94   | 5.555G            | 95   | 5.608G            | 96   | 5.505G            |
| 97                                               | 5.287G            | 98   | 5.506G            | 99   | 5.376G            | 100  | 5.284G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.518G            | 2    | 5.476G            | 3    | 5.593G            | 4    | 5.256G            |
| 5                                                | 5.688G            | 6    | 5.624G            | 7    | 5.579G            | 8    | 5.270G            |
| 9                                                | 5.450G            | 10   | 5.639G            | 11   | 5.529G            | 12   | 5.292G            |
| 13                                               | 5.607G            | 14   | 5.447G            | 15   | 5.627G            | 16   | 5.544G            |
| 17                                               | 5.410G            | 18   | 5.574G            | 19   | 5.671G            | 20   | 5.426G            |
| 21                                               | 5.681G            | 22   | 5.595G            | 23   | 5.538G            | 24   | 5.340G            |
| 25                                               | 5.708G            | 26   | 5.351G            | 27   | 5.552G            | 28   | 5.380G            |
| 29                                               | 5.543G            | 30   | 5.460G            | 31   | 5.568G            | 32   | 5.531G            |
| 33                                               | 5.284G            | 34   | 5.492G            | 35   | 5.322G            | 36   | 5.290G            |
| 37                                               | 5.375G            | 38   | 5.656G            | 39   | 5.541G            | 40   | 5.516G            |
| 41                                               | 5.573G            | 42   | 5.553G            | 43   | 5.417G            | 44   | 5.365G            |
| 45                                               | 5.522G            | 46   | 5.327G            | 47   | 5.637G            | 48   | 5.372G            |
| 49                                               | 5.266G            | 50   | 5.388G            | 51   | 5.338G            | 52   | 5.514G            |
| 53                                               | 5.662G            | 54   | 5.448G            | 55   | 5.703G            | 56   | 5.577G            |
| 57                                               | 5.361G            | 58   | 5.261G            | 59   | 5.303G            | 60   | 5.659G            |
| 61                                               | 5.696G            | 62   | 5.601G            | 63   | 5.721G            | 64   | 5.524G            |
| 65                                               | 5.378G            | 66   | 5.641G            | 67   | 5.480G            | 68   | 5.556G            |
| 69                                               | 5.420G            | 70   | 5.615G            | 71   | 5.407G            | 72   | 5.291G            |
| 73                                               | 5.631G            | 74   | 5.483G            | 75   | 5.680G            | 76   | 5.720G            |
| 77                                               | 5.557G            | 78   | 5.283G            | 79   | 5.633G            | 80   | 5.339G            |
| 81                                               | 5.438G            | 82   | 5.623G            | 83   | 5.495G            | 84   | 5.391G            |
| 85                                               | 5.702G            | 86   | 5.310G            | 87   | 5.349G            | 88   | 5.602G            |
| 89                                               | 5.353G            | 90   | 5.698G            | 91   | 5.473G            | 92   | 5.618G            |
| 93                                               | 5.506G            | 94   | 5.486G            | 95   | 5.718G            | 96   | 5.677G            |
| 97                                               | 5.534G            | 98   | 5.376G            | 99   | 5.300G            | 100  | 5.487G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.337G            | 2    | 5.631G            | 3    | 5.477G            | 4    | 5.383G            |
| 5                                                | 5.506G            | 6    | 5.710G            | 7    | 5.590G            | 8    | 5.379G            |
| 9                                                | 5.455G            | 10   | 5.562G            | 11   | 5.572G            | 12   | 5.411G            |
| 13                                               | 5.529G            | 14   | 5.630G            | 15   | 5.671G            | 16   | 5.275G            |
| 17                                               | 5.584G            | 18   | 5.441G            | 19   | 5.639G            | 20   | 5.717G            |
| 21                                               | 5.452G            | 22   | 5.609G            | 23   | 5.370G            | 24   | 5.286G            |
| 25                                               | 5.658G            | 26   | 5.303G            | 27   | 5.610G            | 28   | 5.579G            |
| 29                                               | 5.470G            | 30   | 5.660G            | 31   | 5.407G            | 32   | 5.641G            |
| 33                                               | 5.560G            | 34   | 5.338G            | 35   | 5.637G            | 36   | 5.667G            |
| 37                                               | 5.359G            | 38   | 5.520G            | 39   | 5.306G            | 40   | 5.267G            |
| 41                                               | 5.698G            | 42   | 5.277G            | 43   | 5.521G            | 44   | 5.720G            |
| 45                                               | 5.665G            | 46   | 5.647G            | 47   | 5.578G            | 48   | 5.668G            |
| 49                                               | 5.479G            | 50   | 5.342G            | 51   | 5.372G            | 52   | 5.445G            |
| 53                                               | 5.417G            | 54   | 5.487G            | 55   | 5.534G            | 56   | 5.636G            |
| 57                                               | 5.376G            | 58   | 5.702G            | 59   | 5.435G            | 60   | 5.516G            |
| 61                                               | 5.276G            | 62   | 5.343G            | 63   | 5.393G            | 64   | 5.531G            |
| 65                                               | 5.657G            | 66   | 5.567G            | 67   | 5.363G            | 68   | 5.499G            |
| 69                                               | 5.361G            | 70   | 5.654G            | 71   | 5.661G            | 72   | 5.282G            |
| 73                                               | 5.510G            | 74   | 5.290G            | 75   | 5.335G            | 76   | 5.353G            |
| 77                                               | 5.469G            | 78   | 5.349G            | 79   | 5.712G            | 80   | 5.711G            |
| 81                                               | 5.524G            | 82   | 5.569G            | 83   | 5.563G            | 84   | 5.389G            |
| 85                                               | 5.450G            | 86   | 5.645G            | 87   | 5.608G            | 88   | 5.638G            |
| 89                                               | 5.298G            | 90   | 5.691G            | 91   | 5.542G            | 92   | 5.345G            |
| 93                                               | 5.308G            | 94   | 5.256G            | 95   | 5.297G            | 96   | 5.623G            |
| 97                                               | 5.302G            | 98   | 5.536G            | 99   | 5.440G            | 100  | 5.475G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.362G            | 2    | 5.677G            | 3    | 5.297G            | 4    | 5.457G            |
| 5                                                | 5.421G            | 6    | 5.286G            | 7    | 5.537G            | 8    | 5.697G            |
| 9                                                | 5.427G            | 10   | 5.690G            | 11   | 5.436G            | 12   | 5.413G            |
| 13                                               | 5.443G            | 14   | 5.492G            | 15   | 5.614G            | 16   | 5.431G            |
| 17                                               | 5.558G            | 18   | 5.633G            | 19   | 5.582G            | 20   | 5.477G            |
| 21                                               | 5.547G            | 22   | 5.505G            | 23   | 5.433G            | 24   | 5.498G            |
| 25                                               | 5.276G            | 26   | 5.630G            | 27   | 5.591G            | 28   | 5.544G            |
| 29                                               | 5.356G            | 30   | 5.454G            | 31   | 5.689G            | 32   | 5.639G            |
| 33                                               | 5.482G            | 34   | 5.627G            | 35   | 5.308G            | 36   | 5.366G            |
| 37                                               | 5.337G            | 38   | 5.523G            | 39   | 5.721G            | 40   | 5.464G            |
| 41                                               | 5.682G            | 42   | 5.426G            | 43   | 5.528G            | 44   | 5.719G            |
| 45                                               | 5.414G            | 46   | 5.488G            | 47   | 5.535G            | 48   | 5.408G            |
| 49                                               | 5.576G            | 50   | 5.456G            | 51   | 5.311G            | 52   | 5.541G            |
| 53                                               | 5.476G            | 54   | 5.302G            | 55   | 5.644G            | 56   | 5.376G            |
| 57                                               | 5.596G            | 58   | 5.306G            | 59   | 5.471G            | 60   | 5.384G            |
| 61                                               | 5.641G            | 62   | 5.461G            | 63   | 5.373G            | 64   | 5.273G            |
| 65                                               | 5.536G            | 66   | 5.507G            | 67   | 5.405G            | 68   | 5.266G            |
| 69                                               | 5.694G            | 70   | 5.524G            | 71   | 5.466G            | 72   | 5.623G            |
| 73                                               | 5.610G            | 74   | 5.451G            | 75   | 5.709G            | 76   | 5.676G            |
| 77                                               | 5.365G            | 78   | 5.617G            | 79   | 5.670G            | 80   | 5.696G            |
| 81                                               | 5.271G            | 82   | 5.319G            | 83   | 5.636G            | 84   | 5.515G            |
| 85                                               | 5.684G            | 86   | 5.517G            | 87   | 5.387G            | 88   | 5.710G            |
| 89                                               | 5.314G            | 90   | 5.674G            | 91   | 5.336G            | 92   | 5.317G            |
| 93                                               | 5.626G            | 94   | 5.688G            | 95   | 5.521G            | 96   | 5.359G            |
| 97                                               | 5.411G            | 98   | 5.574G            | 99   | 5.318G            | 100  | 5.573G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.609G            | 2    | 5.264G            | 3    | 5.406G            | 4    | 5.637G            |
| 5                                                | 5.444G            | 6    | 5.301G            | 7    | 5.708G            | 8    | 5.627G            |
| 9                                                | 5.701G            | 10   | 5.420G            | 11   | 5.327G            | 12   | 5.350G            |
| 13                                               | 5.586G            | 14   | 5.504G            | 15   | 5.712G            | 16   | 5.439G            |
| 17                                               | 5.719G            | 18   | 5.338G            | 19   | 5.345G            | 20   | 5.405G            |
| 21                                               | 5.462G            | 22   | 5.260G            | 23   | 5.302G            | 24   | 5.452G            |
| 25                                               | 5.544G            | 26   | 5.416G            | 27   | 5.325G            | 28   | 5.470G            |
| 29                                               | 5.600G            | 30   | 5.604G            | 31   | 5.455G            | 32   | 5.337G            |
| 33                                               | 5.351G            | 34   | 5.402G            | 35   | 5.357G            | 36   | 5.482G            |
| 37                                               | 5.537G            | 38   | 5.436G            | 39   | 5.313G            | 40   | 5.318G            |
| 41                                               | 5.531G            | 42   | 5.410G            | 43   | 5.511G            | 44   | 5.479G            |
| 45                                               | 5.680G            | 46   | 5.709G            | 47   | 5.323G            | 48   | 5.684G            |
| 49                                               | 5.415G            | 50   | 5.272G            | 51   | 5.466G            | 52   | 5.581G            |
| 53                                               | 5.320G            | 54   | 5.311G            | 55   | 5.542G            | 56   | 5.651G            |
| 57                                               | 5.566G            | 58   | 5.317G            | 59   | 5.309G            | 60   | 5.474G            |
| 61                                               | 5.477G            | 62   | 5.385G            | 63   | 5.374G            | 64   | 5.268G            |
| 65                                               | 5.682G            | 66   | 5.661G            | 67   | 5.567G            | 68   | 5.258G            |
| 69                                               | 5.266G            | 70   | 5.534G            | 71   | 5.497G            | 72   | 5.296G            |
| 73                                               | 5.557G            | 74   | 5.283G            | 75   | 5.615G            | 76   | 5.450G            |
| 77                                               | 5.253G            | 78   | 5.570G            | 79   | 5.471G            | 80   | 5.618G            |
| 81                                               | 5.448G            | 82   | 5.549G            | 83   | 5.394G            | 84   | 5.383G            |
| 85                                               | 5.523G            | 86   | 5.644G            | 87   | 5.312G            | 88   | 5.691G            |
| 89                                               | 5.495G            | 90   | 5.629G            | 91   | 5.306G            | 92   | 5.587G            |
| 93                                               | 5.688G            | 94   | 5.356G            | 95   | 5.275G            | 96   | 5.565G            |
| 97                                               | 5.365G            | 98   | 5.424G            | 99   | 5.624G            | 100  | 5.395G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.491G            | 2    | 5.450G            | 3    | 5.454G            | 4    | 5.513G            |
| 5                                                | 5.520G            | 6    | 5.308G            | 7    | 5.290G            | 8    | 5.620G            |
| 9                                                | 5.275G            | 10   | 5.407G            | 11   | 5.477G            | 12   | 5.637G            |
| 13                                               | 5.396G            | 14   | 5.452G            | 15   | 5.686G            | 16   | 5.292G            |
| 17                                               | 5.574G            | 18   | 5.553G            | 19   | 5.317G            | 20   | 5.312G            |
| 21                                               | 5.457G            | 22   | 5.547G            | 23   | 5.250G            | 24   | 5.435G            |
| 25                                               | 5.649G            | 26   | 5.523G            | 27   | 5.682G            | 28   | 5.644G            |
| 29                                               | 5.409G            | 30   | 5.595G            | 31   | 5.504G            | 32   | 5.270G            |
| 33                                               | 5.286G            | 34   | 5.283G            | 35   | 5.403G            | 36   | 5.583G            |
| 37                                               | 5.506G            | 38   | 5.543G            | 39   | 5.360G            | 40   | 5.310G            |
| 41                                               | 5.608G            | 42   | 5.387G            | 43   | 5.254G            | 44   | 5.707G            |
| 45                                               | 5.269G            | 46   | 5.665G            | 47   | 5.256G            | 48   | 5.341G            |
| 49                                               | 5.584G            | 50   | 5.692G            | 51   | 5.560G            | 52   | 5.582G            |
| 53                                               | 5.662G            | 54   | 5.324G            | 55   | 5.530G            | 56   | 5.576G            |
| 57                                               | 5.712G            | 58   | 5.552G            | 59   | 5.284G            | 60   | 5.388G            |
| 61                                               | 5.670G            | 62   | 5.507G            | 63   | 5.279G            | 64   | 5.661G            |
| 65                                               | 5.521G            | 66   | 5.402G            | 67   | 5.253G            | 68   | 5.332G            |
| 69                                               | 5.510G            | 70   | 5.428G            | 71   | 5.401G            | 72   | 5.624G            |
| 73                                               | 5.335G            | 74   | 5.377G            | 75   | 5.695G            | 76   | 5.445G            |
| 77                                               | 5.313G            | 78   | 5.531G            | 79   | 5.647G            | 80   | 5.468G            |
| 81                                               | 5.316G            | 82   | 5.395G            | 83   | 5.655G            | 84   | 5.404G            |
| 85                                               | 5.528G            | 86   | 5.581G            | 87   | 5.307G            | 88   | 5.713G            |
| 89                                               | 5.381G            | 90   | 5.328G            | 91   | 5.706G            | 92   | 5.306G            |
| 93                                               | 5.674G            | 94   | 5.676G            | 95   | 5.590G            | 96   | 5.366G            |
| 97                                               | 5.533G            | 98   | 5.684G            | 99   | 5.463G            | 100  | 5.556G            |

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| Type 1 Radar Statistical Performances |                  |                 |                                   |         |                       |           |
|---------------------------------------|------------------|-----------------|-----------------------------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | Pulse Repetition Frequency Number | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 89               | 1.0u            | 5                                 | 598.0u  | 5492                  | Yes       |
| 2                                     | 81               | 1.0u            | 8                                 | 658.0u  | 5495                  | Yes       |
| 3                                     | 86               | 1.0u            | 6                                 | 618.0u  | 5497                  | Yes       |
| 4                                     | 78               | 1.0u            | 9                                 | 678.0u  | 5500                  | Yes       |
| 5                                     | 76               | 1.0u            | 10                                | 698.0u  | 5503                  | Yes       |
| 6                                     | 72               | 1.0u            | 12                                | 738.0u  | 5506                  | Yes       |
| 7                                     | 70               | 1.0u            | 13                                | 758.0u  | 5508                  | Yes       |
| 8                                     | 68               | 1.0u            | 14                                | 778.0u  | 5510                  | Yes       |
| 9                                     | 65               | 1.0u            | 16                                | 818.0u  | 5513                  | Yes       |
| 10                                    | 63               | 1.0u            | 17                                | 838.0u  | 5516                  | Yes       |
| 11                                    | 62               | 1.0u            | 18                                | 858.0u  | 5518                  | Yes       |
| 12                                    | 61               | 1.0u            | 19                                | 878.0u  | 5521                  | Yes       |
| 13                                    | 59               | 1.0u            | 20                                | 898.0u  | 5524                  | Yes       |
| 14                                    | 58               | 1.0u            | 21                                | 918.0u  | 5527                  | Yes       |
| 15                                    | 57               | 1.0u            | 22                                | 938.0u  | 5530                  | Yes       |
| 16                                    | 68               | 1.0u            | -                                 | 781.0u  | 5533                  | Yes       |
| 17                                    | 60               | 1.0u            | -                                 | 881.0u  | 5536                  | Yes       |
| 18                                    | 59               | 1.0u            | -                                 | 907.0u  | 5539                  | Yes       |
| 19                                    | 59               | 1.0u            | -                                 | 931.0u  | 5542                  | Yes       |
| 20                                    | 63               | 1.0u            | -                                 | 851.0u  | 5545                  | Yes       |
| 21                                    | 71               | 1.0u            | -                                 | 751.0u  | 5550                  | Yes       |
| 22                                    | 67               | 1.0u            | -                                 | 793.0u  | 5552                  | No        |
| 23                                    | 64               | 1.0u            | -                                 | 833.0u  | 5554                  | Yes       |
| 24                                    | 60               | 1.0u            | -                                 | 893.0u  | 5556                  | Yes       |
| 25                                    | 86               | 1.0u            | -                                 | 617.0u  | 5558                  | Yes       |
| 26                                    | 76               | 1.0u            | -                                 | 697.0u  | 5560                  | Yes       |
| 27                                    | 68               | 1.0u            | -                                 | 777.0u  | 5562                  | Yes       |
| 28                                    | 67               | 1.0u            | -                                 | 797.0u  | 5564                  | Yes       |
| 29                                    | 64               | 1.0u            | -                                 | 837.0u  | 5566                  | Yes       |
| 30                                    | 58               | 1.0u            | -                                 | 917.0u  | 5568                  | Yes       |
| Detection Rate: 96.7 %                |                  |                 |                                   |         |                       |           |

| Type 2 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 26               | 3.3u            | 225.0u  | 5492                  | Yes       |
| 2                                     | 27               | 3.6u            | 171.0u  | 5495                  | Yes       |
| 3                                     | 24               | 2.9u            | 155.0u  | 5497                  | Yes       |
| 4                                     | 28               | 1.1u            | 174.0u  | 5500                  | Yes       |
| 5                                     | 24               | 3.8u            | 179.0u  | 5503                  | Yes       |
| 6                                     | 24               | 3.7u            | 217.0u  | 5506                  | Yes       |
| 7                                     | 23               | 2.9u            | 153.0u  | 5508                  | Yes       |
| 8                                     | 26               | 4.8u            | 169.0u  | 5510                  | Yes       |
| 9                                     | 25               | 1.2u            | 152.0u  | 5513                  | Yes       |
| 10                                    | 28               | 2.6u            | 228.0u  | 5516                  | Yes       |
| 11                                    | 26               | 1.6u            | 151.0u  | 5518                  | Yes       |
| 12                                    | 24               | 2.0u            | 152.0u  | 5521                  | Yes       |
| 13                                    | 26               | 1.7u            | 176.0u  | 5524                  | Yes       |
| 14                                    | 29               | 4.4u            | 229.0u  | 5527                  | Yes       |
| 15                                    | 25               | 3.2u            | 169.0u  | 5530                  | Yes       |
| 16                                    | 24               | 4.5u            | 226.0u  | 5533                  | Yes       |
| 17                                    | 27               | 3.1u            | 156.0u  | 5536                  | Yes       |
| 18                                    | 23               | 1.5u            | 176.0u  | 5539                  | Yes       |
| 19                                    | 28               | 3.5u            | 225.0u  | 5542                  | Yes       |
| 20                                    | 28               | 1.8u            | 182.0u  | 5545                  | No        |
| 21                                    | 27               | 1.2u            | 180.0u  | 5550                  | Yes       |
| 22                                    | 28               | 3.5u            | 213.0u  | 5552                  | No        |
| 23                                    | 24               | 2.5u            | 175.0u  | 5554                  | Yes       |
| 24                                    | 27               | 3.1u            | 164.0u  | 5556                  | Yes       |
| 25                                    | 26               | 1.8u            | 151.0u  | 5558                  | Yes       |
| 26                                    | 26               | 1.7u            | 217.0u  | 5560                  | Yes       |
| 27                                    | 25               | 3.1u            | 183.0u  | 5562                  | Yes       |
| 28                                    | 23               | 1.3u            | 185.0u  | 5564                  | Yes       |
| 29                                    | 26               | 1.4u            | 219.0u  | 5566                  | Yes       |
| 30                                    | 24               | 3.5u            | 183.0u  | 5568                  | Yes       |
| Detection Rate: 93.3 %                |                  |                 |         |                       |           |

| Type 3 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 16               | 8.8u            | 280.0u  | 5492                  | Yes       |
| 2                                     | 16               | 8.8u            | 462.0u  | 5495                  | Yes       |
| 3                                     | 18               | 6.0u            | 378.0u  | 5497                  | Yes       |
| 4                                     | 16               | 8.8u            | 413.0u  | 5500                  | Yes       |
| 5                                     | 17               | 8.7u            | 385.0u  | 5503                  | Yes       |
| 6                                     | 17               | 8.5u            | 447.0u  | 5506                  | Yes       |
| 7                                     | 16               | 7.5u            | 284.0u  | 5508                  | Yes       |
| 8                                     | 16               | 9.9u            | 276.0u  | 5510                  | Yes       |
| 9                                     | 17               | 9.9u            | 461.0u  | 5513                  | Yes       |
| 10                                    | 16               | 8.4u            | 446.0u  | 5516                  | Yes       |
| 11                                    | 16               | 8.9u            | 314.0u  | 5518                  | Yes       |
| 12                                    | 18               | 6.3u            | 387.0u  | 5521                  | Yes       |
| 13                                    | 17               | 8.5u            | 273.0u  | 5524                  | Yes       |
| 14                                    | 18               | 8.6u            | 322.0u  | 5527                  | Yes       |
| 15                                    | 17               | 7.0u            | 286.0u  | 5530                  | Yes       |
| 16                                    | 18               | 9.2u            | 305.0u  | 5533                  | Yes       |
| 17                                    | 17               | 9.2u            | 316.0u  | 5536                  | Yes       |
| 18                                    | 16               | 7.4u            | 214.0u  | 5539                  | Yes       |
| 19                                    | 18               | 9.3u            | 255.0u  | 5542                  | Yes       |
| 20                                    | 17               | 9.6u            | 240.0u  | 5545                  | Yes       |
| 21                                    | 17               | 6.0u            | 205.0u  | 5550                  | Yes       |
| 22                                    | 16               | 6.9u            | 202.0u  | 5552                  | Yes       |
| 23                                    | 17               | 7.9u            | 405.0u  | 5554                  | Yes       |
| 24                                    | 17               | 9.1u            | 397.0u  | 5556                  | Yes       |
| 25                                    | 16               | 8.2u            | 485.0u  | 5558                  | Yes       |
| 26                                    | 16               | 9.9u            | 428.0u  | 5560                  | Yes       |
| 27                                    | 17               | 7.2u            | 247.0u  | 5562                  | Yes       |
| 28                                    | 17               | 8.7u            | 457.0u  | 5564                  | Yes       |
| 29                                    | 17               | 8.1u            | 327.0u  | 5566                  | Yes       |
| 30                                    | 17               | 7.0u            | 429.0u  | 5568                  | Yes       |
| Detection Rate: 100.0 %               |                  |                 |         |                       |           |

| Type 4 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 14               | 16.1u           | 359.0u  | 5492                  | Yes       |
| 2                                     | 12               | 19.9u           | 419.0u  | 5495                  | Yes       |
| 3                                     | 15               | 19.1u           | 300.0u  | 5497                  | Yes       |
| 4                                     | 12               | 16.5u           | 497.0u  | 5500                  | Yes       |
| 5                                     | 16               | 11.5u           | 347.0u  | 5503                  | Yes       |
| 6                                     | 15               | 13.0u           | 396.0u  | 5506                  | Yes       |
| 7                                     | 16               | 12.4u           | 326.0u  | 5508                  | Yes       |
| 8                                     | 14               | 17.7u           | 309.0u  | 5510                  | Yes       |
| 9                                     | 14               | 17.9u           | 416.0u  | 5513                  | Yes       |
| 10                                    | 14               | 14.4u           | 441.0u  | 5516                  | Yes       |
| 11                                    | 14               | 11.4u           | 305.0u  | 5518                  | Yes       |
| 12                                    | 15               | 17.7u           | 333.0u  | 5521                  | Yes       |
| 13                                    | 13               | 17.2u           | 203.0u  | 5524                  | Yes       |
| 14                                    | 16               | 16.1u           | 371.0u  | 5527                  | Yes       |
| 15                                    | 15               | 19.9u           | 204.0u  | 5530                  | Yes       |
| 16                                    | 12               | 12.8u           | 444.0u  | 5533                  | Yes       |
| 17                                    | 15               | 15.6u           | 415.0u  | 5536                  | Yes       |
| 18                                    | 14               | 19.7u           | 321.0u  | 5539                  | No        |
| 19                                    | 14               | 19.9u           | 499.0u  | 5542                  | Yes       |
| 20                                    | 13               | 13.1u           | 438.0u  | 5545                  | Yes       |
| 21                                    | 15               | 16.6u           | 432.0u  | 5550                  | Yes       |
| 22                                    | 13               | 18.1u           | 351.0u  | 5552                  | No        |
| 23                                    | 16               | 18.6u           | 382.0u  | 5554                  | Yes       |
| 24                                    | 15               | 19.2u           | 484.0u  | 5556                  | Yes       |
| 25                                    | 16               | 15.7u           | 496.0u  | 5558                  | Yes       |
| 26                                    | 15               | 13.7u           | 368.0u  | 5560                  | No        |
| 27                                    | 13               | 17.7u           | 311.0u  | 5562                  | Yes       |
| 28                                    | 13               | 13.8u           | 368.0u  | 5564                  | Yes       |
| 29                                    | 13               | 19.1u           | 404.0u  | 5566                  | Yes       |
| 30                                    | 13               | 15.2u           | 226.0u  | 5568                  | No        |
| Detection Rate: 86.7 %                |                  |                 |         |                       |           |



| Type 5 Radar Statistical Performances |                  |           |
|---------------------------------------|------------------|-----------|
| Trial #                               | Test Signal Name | Detection |
| 1                                     | LP_Signal_01     | Yes       |
| 2                                     | LP_Signal_02     | Yes       |
| 3                                     | LP_Signal_03     | No        |
| 4                                     | LP_Signal_04     | Yes       |
| 5                                     | LP_Signal_05     | Yes       |
| 6                                     | LP_Signal_06     | Yes       |
| 7                                     | LP_Signal_07     | Yes       |
| 8                                     | LP_Signal_08     | Yes       |
| 9                                     | LP_Signal_09     | Yes       |
| 10                                    | LP_Signal_10     | Yes       |
| 11                                    | LP_Signal_11     | Yes       |
| 12                                    | LP_Signal_12     | Yes       |
| 13                                    | LP_Signal_13     | Yes       |
| 14                                    | LP_Signal_14     | Yes       |
| 15                                    | LP_Signal_15     | Yes       |
| 16                                    | LP_Signal_16     | Yes       |
| 17                                    | LP_Signal_17     | Yes       |
| 18                                    | LP_Signal_18     | Yes       |
| 19                                    | LP_Signal_19     | Yes       |
| 20                                    | LP_Signal_20     | Yes       |
| 21                                    | LP_Signal_21     | Yes       |
| 22                                    | LP_Signal_22     | Yes       |
| 23                                    | LP_Signal_23     | Yes       |
| 24                                    | LP_Signal_24     | Yes       |
| 25                                    | LP_Signal_25     | Yes       |
| 26                                    | LP_Signal_26     | Yes       |
| 27                                    | LP_Signal_27     | No        |
| 28                                    | LP_Signal_28     | Yes       |
| 29                                    | LP_Signal_29     | Yes       |
| 30                                    | LP_Signal_30     | Yes       |
| Detection Rate: 93.3 %                |                  |           |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_01  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5493MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 5M            | 96.5u              | -                           | -                           | 857.4m                |
| 2                               | 2                   | 5M            | 53.0u              | 1.173m                      | -                           | 643.5m                |
| 3                               | 1                   | 5M            | 84.3u              | -                           | -                           | 871.6m                |
| 4                               | 3                   | 5M            | 99.1u              | 1.140m                      | 1.778m                      | 521.9m                |
| 5                               | 3                   | 5M            | 67.5u              | 1.487m                      | 1.636m                      | 314.7m                |
| 6                               | 2                   | 5M            | 60.2u              | 1.210m                      | -                           | 877.7m                |
| 7                               | 1                   | 5M            | 98.6u              | -                           | -                           | 340.6m                |
| 8                               | 3                   | 5M            | 90.3u              | 1.747m                      | 1.331m                      | 243.1m                |
| 9                               | 2                   | 5M            | 52.8u              | 1.060m                      | -                           | 767.7m                |
| 10                              | 2                   | 5M            | 76.4u              | 1.115m                      | -                           | 481.2m                |
| 11                              | 3                   | 5M            | 98.3u              | 1.759m                      | 1.414m                      | 449.9m                |
| 12                              | 1                   | 5M            | 66.6u              | -                           | -                           | 887.3m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_02  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5493MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 5M            | 53.6u              | -                           | -                           | 504.6m                |
| 2                               | 3                   | 5M            | 97.1u              | 1.798m                      | 1.565m                      | 441.5m                |
| 3                               | 3                   | 5M            | 53.5u              | 1.548m                      | 1.068m                      | 291.7m                |
| 4                               | 2                   | 5M            | 52.2u              | 1.395m                      | -                           | 212.8m                |
| 5                               | 2                   | 5M            | 95.3u              | 1.226m                      | -                           | 96.33m                |
| 6                               | 2                   | 5M            | 92.6u              | 1.470m                      | -                           | 303.7m                |
| 7                               | 1                   | 5M            | 82.6u              | -                           | -                           | 516.6m                |
| 8                               | 1                   | 5M            | 53.5u              | -                           | -                           | 141.6m                |
| 9                               | 2                   | 5M            | 57.4u              | 999.6u                      | -                           | 95.05m                |
| 10                              | 2                   | 5M            | 96.4u              | 1.888m                      | -                           | 567.5m                |
| 11                              | 2                   | 5M            | 66.0u              | 1.443m                      | -                           | 271.3m                |
| 12                              | 1                   | 5M            | 98.5u              | -                           | -                           | 442.6m                |
| 13                              | 2                   | 5M            | 68.3u              | 1.114m                      | -                           | 512.5m                |
| 14                              | 2                   | 5M            | 85.3u              | 1.613m                      | -                           | 105.4m                |
| 15                              | 3                   | 5M            | 99.4u              | 1.752m                      | 1.843m                      | 647.8m                |
| 16                              | 2                   | 5M            | 97.8u              | 1.644m                      | -                           | 259.0m                |
| 17                              | 1                   | 5M            | 77.1u              | -                           | -                           | 649.5m                |
| 18                              | 1                   | 5M            | 58.2u              | -                           | -                           | 539.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_03  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 14   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5494MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 7M            | 62.7u              | 1.678m                      | 1.717m                      | 280.1m                |
| 2                               | 2                   | 7M            | 77.5u              | 1.567m                      | -                           | 308.4m                |
| 3                               | 1                   | 7M            | 98.3u              | -                           | -                           | 380.5m                |
| 4                               | 2                   | 7M            | 85.2u              | 1.831m                      | -                           | 205.0m                |
| 5                               | 3                   | 7M            | 91.8u              | 1.520m                      | 947.2u                      | 688.8m                |
| 6                               | 1                   | 7M            | 91.4u              | -                           | -                           | 69.25m                |
| 7                               | 2                   | 7M            | 76.1u              | 1.384m                      | -                           | 699.5m                |
| 8                               | 2                   | 7M            | 68.2u              | 1.336m                      | -                           | 142.5m                |
| 9                               | 1                   | 7M            | 87.0u              | -                           | -                           | 439.3m                |
| 10                              | 2                   | 7M            | 85.3u              | 1.230m                      | -                           | 171.5m                |
| 11                              | 2                   | 7M            | 75.6u              | 1.213m                      | -                           | 309.9m                |
| 12                              | 3                   | 7M            | 82.8u              | 1.743m                      | 1.125m                      | 450.3m                |
| 13                              | 2                   | 7M            | 74.3u              | 1.667m                      | -                           | 190.8m                |
| 14                              | 1                   | 7M            | 77.4u              | -                           | -                           | 385.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_04  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5494MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 7M            | 88.9u              | -                           | -                           | 400.9m                |
| 2                               | 2                   | 7M            | 87.7u              | 1.749m                      | -                           | 609.2m                |
| 3                               | 2                   | 7M            | 50.6u              | 1.085m                      | -                           | 105.0m                |
| 4                               | 3                   | 7M            | 91.1u              | 1.614m                      | 1.318m                      | 577.2m                |
| 5                               | 2                   | 7M            | 74.9u              | 973.1u                      | -                           | 357.6m                |
| 6                               | 3                   | 7M            | 73.2u              | 1.725m                      | 1.906m                      | 367.0m                |
| 7                               | 3                   | 7M            | 80.3u              | 945.7u                      | 1.860m                      | 150.4m                |
| 8                               | 2                   | 7M            | 95.3u              | 1.286m                      | -                           | 625.2m                |
| 9                               | 2                   | 7M            | 84.7u              | 1.685m                      | -                           | 954.0u                |
| 10                              | 2                   | 7M            | 59.4u              | 1.472m                      | -                           | 547.2m                |
| 11                              | 2                   | 7M            | 86.9u              | 1.657m                      | -                           | 488.3m                |
| 12                              | 2                   | 7M            | 58.6u              | 1.575m                      | -                           | 148.0m                |
| 13                              | 1                   | 7M            | 97.1u              | -                           | -                           | 448.7m                |
| 14                              | 1                   | 7M            | 75.6u              | -                           | -                           | 601.2m                |
| 15                              | 3                   | 7M            | 66.8u              | 1.457m                      | 1.366m                      | 239.7m                |
| 16                              | 2                   | 7M            | 79.2u              | 1.394m                      | -                           | 127.7m                |
| 17                              | 2                   | 7M            | 50.1u              | 1.763m                      | -                           | 55.41m                |
| 18                              | 1                   | 7M            | 73.1u              | -                           | -                           | 132.9m                |
| 19                              | 1                   | 7M            | 51.8u              | -                           | -                           | 601.6m                |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_05

Number of Bursts in Trial: 19

Chrip Center Frequency: 5496MHz

| Burst | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
|-------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| 1     | 2                   | 13M           | 98.5u              | 1.185m                      | -                           | 281.2m                |
| 2     | 2                   | 13M           | 66.9u              | 1.351m                      | -                           | 601.3m                |
| 3     | 3                   | 13M           | 55.6u              | 1.069m                      | 1.564m                      | 386.6m                |
| 4     | 1                   | 13M           | 63.9u              | -                           | -                           | 70.85m                |
| 5     | 2                   | 13M           | 88.1u              | 1.499m                      | -                           | 486.4m                |
| 6     | 2                   | 13M           | 77.3u              | 1.188m                      | -                           | 445.4m                |
| 7     | 2                   | 13M           | 51.2u              | 1.501m                      | -                           | 39.21m                |
| 8     | 2                   | 13M           | 84.1u              | 1.309m                      | -                           | 348.6m                |
| 9     | 3                   | 13M           | 62.5u              | 1.360m                      | 1.020m                      | 537.1m                |
| 10    | 2                   | 13M           | 96.3u              | 1.862m                      | -                           | 172.3m                |
| 11    | 1                   | 13M           | 51.7u              | -                           | -                           | 207.5m                |
| 12    | 2                   | 13M           | 91.0u              | 1.645m                      | -                           | 337.1m                |
| 13    | 2                   | 13M           | 56.6u              | 1.739m                      | -                           | 566.0m                |
| 14    | 3                   | 13M           | 66.1u              | 1.150m                      | 1.775m                      | 563.4m                |
| 15    | 2                   | 13M           | 84.0u              | 1.515m                      | -                           | 378.1m                |
| 16    | 1                   | 13M           | 76.1u              | -                           | -                           | 565.0m                |
| 17    | 2                   | 13M           | 79.4u              | 1.295m                      | -                           | 628.4m                |
| 18    | 2                   | 13M           | 75.4u              | 1.198m                      | -                           | 128.5m                |
| 19    | 2                   | 13M           | 61.5u              | 949.5u                      | -                           | 582.9m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_06  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5496MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 13M           | 98.7u              | -                           | -                           | 633.0m                |
| 2                               | 1                   | 13M           | 57.3u              | -                           | -                           | 438.3m                |
| 3                               | 3                   | 13M           | 68.6u              | 1.493m                      | 1.610m                      | 875.1m                |
| 4                               | 2                   | 13M           | 97.5u              | 1.612m                      | -                           | 685.6m                |
| 5                               | 1                   | 13M           | 55.5u              | -                           | -                           | 747.3m                |
| 6                               | 2                   | 13M           | 62.8u              | 967.2u                      | -                           | 788.4m                |
| 7                               | 2                   | 13M           | 80.7u              | 1.417m                      | -                           | 652.7m                |
| 8                               | 1                   | 13M           | 65.9u              | -                           | -                           | 782.6m                |
| 9                               | 3                   | 13M           | 79.9u              | 1.732m                      | 1.557m                      | 410.0m                |
| 10                              | 2                   | 13M           | 76.4u              | 1.761m                      | -                           | 78.51m                |
| 11                              | 1                   | 13M           | 58.1u              | -                           | -                           | 580.4m                |
| 12                              | 2                   | 13M           | 78.0u              | 961.0u                      | -                           | 162.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_07  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 11   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5497MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 16M           | 60.9u              | 1.685m                      | -                           | 1.030                 |
| 2                               | 2                   | 16M           | 86.8u              | 1.363m                      | -                           | 1.069                 |
| 3                               | 2                   | 16M           | 95.4u              | 1.521m                      | -                           | 296.1m                |
| 4                               | 3                   | 16M           | 73.5u              | 1.628m                      | 1.226m                      | 377.5m                |
| 5                               | 2                   | 16M           | 67.5u              | 1.036m                      | -                           | 644.9m                |
| 6                               | 3                   | 16M           | 65.5u              | 1.798m                      | 1.561m                      | 766.1m                |
| 7                               | 3                   | 16M           | 95.9u              | 1.094m                      | 1.242m                      | 537.2m                |
| 8                               | 2                   | 16M           | 96.2u              | 1.578m                      | -                           | 172.3m                |
| 9                               | 2                   | 16M           | 90.4u              | 1.274m                      | -                           | 256.1m                |
| 10                              | 2                   | 16M           | 90.1u              | 1.319m                      | -                           | 842.4m                |
| 11                              | 2                   | 16M           | 59.3u              | 1.600m                      | -                           | 728.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_08  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5497MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 16M           | 53.9u              | -                           | -                           | 653.0m                |
| 2                               | 3                   | 16M           | 87.4u              | 1.140m                      | 1.207m                      | 109.0m                |
| 3                               | 2                   | 16M           | 56.0u              | 1.104m                      | -                           | 462.3m                |
| 4                               | 2                   | 16M           | 62.5u              | 1.625m                      | -                           | 704.3m                |
| 5                               | 2                   | 16M           | 66.7u              | 1.202m                      | -                           | 296.4m                |
| 6                               | 2                   | 16M           | 65.6u              | 1.571m                      | -                           | 169.5m                |
| 7                               | 2                   | 16M           | 65.2u              | 1.889m                      | -                           | 703.7m                |
| 8                               | 1                   | 16M           | 67.4u              | -                           | -                           | 78.58m                |
| 9                               | 3                   | 16M           | 70.1u              | 1.820m                      | 1.460m                      | 419.9m                |
| 10                              | 2                   | 16M           | 62.3u              | 1.636m                      | -                           | 7.821m                |
| 11                              | 3                   | 16M           | 79.8u              | 1.442m                      | 1.551m                      | 384.2m                |
| 12                              | 1                   | 16M           | 81.4u              | -                           | -                           | 378.9m                |
| 13                              | 2                   | 16M           | 75.0u              | 1.336m                      | -                           | 742.0m                |
| 14                              | 2                   | 16M           | 74.3u              | 1.487m                      | -                           | 726.4m                |
| 15                              | 3                   | 16M           | 88.8u              | 1.772m                      | 1.153m                      | 168.4m                |
| 16                              | 3                   | 16M           | 67.7u              | 1.248m                      | 1.211m                      | 647.3m                |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_09  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5499MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 80.2u              | 1.739m                      | -                           | 720.6m                |
| 2                               | 3                   | 20M           | 50.1u              | 1.816m                      | 1.933m                      | 558.9m                |
| 3                               | 1                   | 20M           | 96.2u              | -                           | -                           | 211.8m                |
| 4                               | 3                   | 20M           | 72.6u              | 1.275m                      | 1.410m                      | 628.1m                |
| 5                               | 2                   | 20M           | 92.6u              | 1.262m                      | -                           | 295.1m                |
| 6                               | 2                   | 20M           | 70.1u              | 1.814m                      | -                           | 404.0m                |
| 7                               | 2                   | 20M           | 96.2u              | 1.463m                      | -                           | 89.45m                |
| 8                               | 2                   | 20M           | 78.6u              | 1.436m                      | -                           | 275.4m                |
| 9                               | 2                   | 20M           | 85.9u              | 1.077m                      | -                           | 726.5m                |
| 10                              | 3                   | 20M           | 86.3u              | 1.689m                      | 1.395m                      | 279.8m                |
| 11                              | 1                   | 20M           | 88.0u              | -                           | -                           | 142.6m                |
| 12                              | 3                   | 20M           | 58.3u              | 1.051m                      | 995.7u                      | 248.6m                |
| 13                              | 2                   | 20M           | 95.3u              | 1.642m                      | -                           | 392.4m                |
| 14                              | 3                   | 20M           | 93.1u              | 1.100m                      | 1.481m                      | 639.1m                |
| 15                              | 1                   | 20M           | 96.7u              | -                           | -                           | 614.9m                |
| 16                              | 2                   | 20M           | 67.1u              | 1.370m                      | -                           | 471.2m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_10  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5499MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 98.6u              | 1.198m                      | -                           | 344.9m                |
| 2                               | 2                   | 20M           | 57.6u              | 961.4u                      | -                           | 641.7m                |
| 3                               | 1                   | 20M           | 56.4u              | -                           | -                           | 308.8m                |
| 4                               | 1                   | 20M           | 81.4u              | -                           | -                           | 180.2m                |
| 5                               | 1                   | 20M           | 61.8u              | -                           | -                           | 297.7m                |
| 6                               | 2                   | 20M           | 90.4u              | 1.563m                      | -                           | 282.9m                |
| 7                               | 3                   | 20M           | 68.8u              | 1.515m                      | 1.370m                      | 37.46m                |
| 8                               | 1                   | 20M           | 73.9u              | -                           | -                           | 475.8m                |
| 9                               | 2                   | 20M           | 68.4u              | 1.684m                      | -                           | 117.5m                |
| 10                              | 3                   | 20M           | 95.4u              | 1.490m                      | 1.735m                      | 155.9m                |
| 11                              | 1                   | 20M           | 70.9u              | -                           | -                           | 253.8m                |
| 12                              | 1                   | 20M           | 94.7u              | -                           | -                           | 356.0m                |
| 13                              | 3                   | 20M           | 76.9u              | 1.750m                      | 1.203m                      | 56.37m                |
| 14                              | 3                   | 20M           | 80.6u              | 1.024m                      | 1.881m                      | 588.3m                |
| 15                              | 2                   | 20M           | 87.2u              | 1.015m                      | -                           | 223.6m                |
| 16                              | 2                   | 20M           | 85.9u              | 1.898m                      | -                           | 380.5m                |
| 17                              | 1                   | 20M           | 62.9u              | -                           | -                           | 127.1m                |
| 18                              | 2                   | 20M           | 96.3u              | 1.532m                      | -                           | 541.3m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_11  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 13   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5530MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 5M            | 64.2u              | 1.510m                      | -                           | 171.7m                |
| 2                               | 2                   | 5M            | 85.7u              | 1.457m                      | -                           | 23.95m                |
| 3                               | 3                   | 5M            | 93.8u              | 1.348m                      | 1.769m                      | 685.0m                |
| 4                               | 3                   | 5M            | 85.1u              | 1.065m                      | 1.624m                      | 112.8m                |
| 5                               | 1                   | 5M            | 84.7u              | -                           | -                           | 797.2m                |
| 6                               | 2                   | 5M            | 80.4u              | 1.702m                      | -                           | 14.43m                |
| 7                               | 1                   | 5M            | 98.4u              | -                           | -                           | 314.4m                |
| 8                               | 2                   | 5M            | 71.1u              | 1.369m                      | -                           | 529.1m                |
| 9                               | 1                   | 5M            | 98.6u              | -                           | -                           | 667.9m                |
| 10                              | 2                   | 5M            | 91.7u              | 1.176m                      | -                           | 571.6m                |
| 11                              | 2                   | 5M            | 69.1u              | 1.770m                      | -                           | 615.7m                |
| 12                              | 2                   | 5M            | 90.9u              | 1.511m                      | -                           | 676.8m                |
| 13                              | 2                   | 5M            | 89.6u              | 1.199m                      | -                           | 683.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_12  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5530MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 5M            | 96.5u              | -                           | -                           | 857.4m                |
| 2                               | 2                   | 5M            | 53.0u              | 1.173m                      | -                           | 643.5m                |
| 3                               | 1                   | 5M            | 84.3u              | -                           | -                           | 871.6m                |
| 4                               | 3                   | 5M            | 99.1u              | 1.140m                      | 1.778m                      | 521.9m                |
| 5                               | 3                   | 5M            | 67.5u              | 1.487m                      | 1.636m                      | 314.7m                |
| 6                               | 2                   | 5M            | 60.2u              | 1.210m                      | -                           | 877.7m                |
| 7                               | 1                   | 5M            | 98.6u              | -                           | -                           | 340.6m                |
| 8                               | 3                   | 5M            | 90.3u              | 1.747m                      | 1.331m                      | 243.1m                |
| 9                               | 2                   | 5M            | 52.8u              | 1.060m                      | -                           | 767.7m                |
| 10                              | 2                   | 5M            | 76.4u              | 1.115m                      | -                           | 481.2m                |
| 11                              | 3                   | 5M            | 98.3u              | 1.759m                      | 1.414m                      | 449.9m                |
| 12                              | 1                   | 5M            | 66.6u              | -                           | -                           | 887.3m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_13  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5530MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 9M            | 83.6u              | 1.774m                      | -                           | 467.4m                |
| 2                               | 2                   | 9M            | 97.1u              | 1.796m                      | -                           | 328.2m                |
| 3                               | 1                   | 9M            | 84.9u              | -                           | -                           | 712.5m                |
| 4                               | 1                   | 9M            | 85.6u              | -                           | -                           | 456.6m                |
| 5                               | 2                   | 9M            | 97.8u              | 917.2u                      | -                           | 642.0m                |
| 6                               | 2                   | 9M            | 95.4u              | 1.079m                      | -                           | 800.8m                |
| 7                               | 1                   | 9M            | 71.2u              | -                           | -                           | 898.6m                |
| 8                               | 3                   | 9M            | 82.0u              | 1.666m                      | 1.468m                      | 784.5m                |
| 9                               | 3                   | 9M            | 86.6u              | 1.322m                      | 1.519m                      | 535.5m                |
| 10                              | 1                   | 9M            | 71.4u              | -                           | -                           | 43.23m                |
| 11                              | 2                   | 9M            | 62.2u              | 1.268m                      | -                           | 268.5m                |
| 12                              | 2                   | 9M            | 96.1u              | 1.888m                      | -                           | 253.4m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_14  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 18   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5530MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 9M            | 92.6u              | -                           | -                           | 574.7m                |
| 2                               | 3                   | 9M            | 67.9u              | 1.272m                      | 1.316m                      | 302.6m                |
| 3                               | 1                   | 9M            | 85.3u              | -                           | -                           | 195.7m                |
| 4                               | 2                   | 9M            | 87.8u              | 1.863m                      | -                           | 517.8m                |
| 5                               | 2                   | 9M            | 73.7u              | 1.364m                      | -                           | 350.7m                |
| 6                               | 1                   | 9M            | 55.8u              | -                           | -                           | 569.5m                |
| 7                               | 3                   | 9M            | 99.1u              | 936.9u                      | 1.756m                      | 652.9m                |
| 8                               | 2                   | 9M            | 94.5u              | 1.889m                      | -                           | 175.3m                |
| 9                               | 2                   | 9M            | 69.1u              | 1.741m                      | -                           | 186.8m                |
| 10                              | 2                   | 9M            | 60.2u              | 1.826m                      | -                           | 144.5m                |
| 11                              | 2                   | 9M            | 90.0u              | 1.419m                      | -                           | 500.0m                |
| 12                              | 2                   | 9M            | 98.3u              | 1.336m                      | -                           | 157.3m                |
| 13                              | 2                   | 9M            | 94.4u              | 1.660m                      | -                           | 479.9m                |
| 14                              | 3                   | 9M            | 91.0u              | 1.788m                      | 1.474m                      | 137.2m                |
| 15                              | 1                   | 9M            | 74.3u              | -                           | -                           | 351.9m                |
| 16                              | 2                   | 9M            | 55.0u              | 1.665m                      | -                           | 89.03m                |
| 17                              | 3                   | 9M            | 85.5u              | 981.5u                      | 1.182m                      | 444.9m                |
| 18                              | 2                   | 9M            | 86.1u              | 1.623m                      | -                           | 259.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_15  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 8    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5530MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 14M           | 100.0u             | 1.316m                      | -                           | 574.2m                |
| 2                               | 2                   | 14M           | 67.5u              | 1.529m                      | -                           | 280.0m                |
| 3                               | 3                   | 14M           | 52.4u              | 1.833m                      | 955.6u                      | 312.3m                |
| 4                               | 3                   | 14M           | 74.3u              | 1.451m                      | 1.391m                      | 1.205                 |
| 5                               | 2                   | 14M           | 82.0u              | 1.489m                      | -                           | 1.470                 |
| 6                               | 2                   | 14M           | 65.4u              | 1.871m                      | -                           | 1.159                 |
| 7                               | 2                   | 14M           | 56.9u              | 1.758m                      | -                           | 300.0m                |
| 8                               | 1                   | 14M           | 67.1u              | -                           | -                           | 431.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_16  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 9    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5530MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 14M           | 89.0u              | 1.663m                      | -                           | 435.6m                |
| 2                               | 1                   | 14M           | 50.5u              | -                           | -                           | 582.4m                |
| 3                               | 2                   | 14M           | 58.5u              | 1.078m                      | -                           | 681.0m                |
| 4                               | 3                   | 14M           | 59.6u              | 1.582m                      | 1.397m                      | 730.4m                |
| 5                               | 2                   | 14M           | 92.9u              | 1.695m                      | -                           | 227.2m                |
| 6                               | 2                   | 14M           | 69.6u              | 1.367m                      | -                           | 963.5m                |
| 7                               | 2                   | 14M           | 65.4u              | 1.684m                      | -                           | 1.200                 |
| 8                               | 2                   | 14M           | 95.7u              | 1.419m                      | -                           | 601.2m                |
| 9                               | 2                   | 14M           | 88.7u              | 1.095m                      | -                           | 712.2m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_17  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5530MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 16M           | 95.3u              | -                           | -                           | 108.6m                |
| 2                               | 2                   | 16M           | 53.1u              | 1.606m                      | -                           | 65.83m                |
| 3                               | 3                   | 16M           | 96.8u              | 1.488m                      | 1.352m                      | 2.636m                |
| 4                               | 2                   | 16M           | 67.5u              | 1.301m                      | -                           | 327.5m                |
| 5                               | 3                   | 16M           | 55.6u              | 1.122m                      | 1.431m                      | 138.8m                |
| 6                               | 1                   | 16M           | 50.8u              | -                           | -                           | 12.03m                |
| 7                               | 2                   | 16M           | 53.4u              | 1.503m                      | -                           | 456.4m                |
| 8                               | 3                   | 16M           | 54.8u              | 1.412m                      | 1.710m                      | 520.5m                |
| 9                               | 3                   | 16M           | 53.7u              | 1.685m                      | 1.762m                      | 465.8m                |
| 10                              | 2                   | 16M           | 60.3u              | 1.837m                      | -                           | 679.9m                |
| 11                              | 2                   | 16M           | 91.2u              | 1.027m                      | -                           | 500.3m                |
| 12                              | 2                   | 16M           | 95.7u              | 1.804m                      | -                           | 154.5m                |
| 13                              | 2                   | 16M           | 70.0u              | 1.808m                      | -                           | 89.20m                |
| 14                              | 2                   | 16M           | 72.9u              | 1.045m                      | -                           | 617.0m                |
| 15                              | 2                   | 16M           | 94.5u              | 1.540m                      | -                           | 399.1m                |
| 16                              | 3                   | 16M           | 67.8u              | 1.932m                      | 1.398m                      | 689.5m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_18  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5530MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 16M           | 81.9u              | 1.713m                      | 1.130m                      | 406.8m                |
| 2                               | 3                   | 16M           | 94.1u              | 1.182m                      | 1.311m                      | 673.2m                |
| 3                               | 3                   | 16M           | 88.8u              | 1.272m                      | 1.897m                      | 962.9m                |
| 4                               | 2                   | 16M           | 85.5u              | 1.256m                      | -                           | 689.2m                |
| 5                               | 3                   | 16M           | 91.6u              | 1.325m                      | 1.053m                      | 396.5m                |
| 6                               | 3                   | 16M           | 58.7u              | 1.613m                      | 1.768m                      | 692.7m                |
| 7                               | 2                   | 16M           | 89.9u              | 1.182m                      | -                           | 988.1m                |
| 8                               | 3                   | 16M           | 74.7u              | 1.139m                      | 1.384m                      | 783.9m                |
| 9                               | 2                   | 16M           | 74.8u              | 1.849m                      | -                           | 722.0m                |
| 10                              | 2                   | 16M           | 55.6u              | 967.4u                      | -                           | 325.4m                |
| 11                              | 2                   | 16M           | 74.6u              | 1.876m                      | -                           | 549.7m                |
| 12                              | 3                   | 16M           | 97.6u              | 1.660m                      | 1.245m                      | 109.6m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_19  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5530MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 78.6u              | 1.551m                      | -                           | 833.2m                |
| 2                               | 2                   | 20M           | 51.6u              | 990.4u                      | -                           | 825.2m                |
| 3                               | 2                   | 20M           | 86.8u              | 1.097m                      | -                           | 809.6m                |
| 4                               | 1                   | 20M           | 60.5u              | -                           | -                           | 792.9m                |
| 5                               | 2                   | 20M           | 54.9u              | 1.783m                      | -                           | 491.4m                |
| 6                               | 2                   | 20M           | 75.7u              | 1.245m                      | -                           | 717.7m                |
| 7                               | 2                   | 20M           | 55.0u              | 1.513m                      | -                           | 1.155                 |
| 8                               | 2                   | 20M           | 79.2u              | 955.8u                      | -                           | 118.6m                |
| 9                               | 1                   | 20M           | 56.4u              | -                           | -                           | 881.1m                |
| 10                              | 1                   | 20M           | 97.7u              | -                           | -                           | 978.0m                |



| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_20  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5530MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 98.1u              | 1.220m                      | -                           | 507.2m                |
| 2                               | 2                   | 20M           | 73.5u              | 1.910m                      | -                           | 227.2m                |
| 3                               | 2                   | 20M           | 98.2u              | 1.506m                      | -                           | 631.2m                |
| 4                               | 3                   | 20M           | 97.9u              | 1.595m                      | 1.851m                      | 164.0m                |
| 5                               | 1                   | 20M           | 92.9u              | -                           | -                           | 45.06m                |
| 6                               | 2                   | 20M           | 76.6u              | 1.260m                      | -                           | 601.8m                |
| 7                               | 2                   | 20M           | 68.1u              | 1.217m                      | -                           | 342.9m                |
| 8                               | 1                   | 20M           | 53.3u              | -                           | -                           | 86.38m                |
| 9                               | 2                   | 20M           | 58.0u              | 978.0u                      | -                           | 75.50m                |
| 10                              | 1                   | 20M           | 66.6u              | -                           | -                           | 328.5m                |
| 11                              | 3                   | 20M           | 69.0u              | 1.388m                      | 1.330m                      | 707.6m                |
| 12                              | 2                   | 20M           | 68.3u              | 1.450m                      | -                           | 328.0m                |
| 13                              | 3                   | 20M           | 99.1u              | 1.752m                      | 1.303m                      | 426.0m                |
| 14                              | 1                   | 20M           | 94.8u              | -                           | -                           | 632.9m                |
| 15                              | 1                   | 20M           | 99.7u              | -                           | -                           | 169.8m                |
| 16                              | 1                   | 20M           | 51.5u              | -                           | -                           | 455.1m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_21  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 13   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5567MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 5M            | 64.2u              | 1.510m                      | -                           | 171.7m                |
| 2                               | 2                   | 5M            | 85.7u              | 1.457m                      | -                           | 23.95m                |
| 3                               | 3                   | 5M            | 93.8u              | 1.348m                      | 1.769m                      | 685.0m                |
| 4                               | 3                   | 5M            | 85.1u              | 1.065m                      | 1.624m                      | 112.8m                |
| 5                               | 1                   | 5M            | 84.7u              | -                           | -                           | 797.2m                |
| 6                               | 2                   | 5M            | 80.4u              | 1.702m                      | -                           | 14.43m                |
| 7                               | 1                   | 5M            | 98.4u              | -                           | -                           | 314.4m                |
| 8                               | 2                   | 5M            | 71.1u              | 1.369m                      | -                           | 529.1m                |
| 9                               | 1                   | 5M            | 98.6u              | -                           | -                           | 667.9m                |
| 10                              | 2                   | 5M            | 91.7u              | 1.176m                      | -                           | 571.6m                |
| 11                              | 2                   | 5M            | 69.1u              | 1.770m                      | -                           | 615.7m                |
| 12                              | 2                   | 5M            | 90.9u              | 1.511m                      | -                           | 676.8m                |
| 13                              | 2                   | 5M            | 89.6u              | 1.199m                      | -                           | 683.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_22  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5567MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 1                   | 5M            | 59.2u              | -                           | -                           | 243.0m                |
| 2                               | 2                   | 5M            | 94.5u              | 1.834m                      | -                           | 299.3m                |
| 3                               | 2                   | 5M            | 95.4u              | 1.641m                      | -                           | 566.0m                |
| 4                               | 3                   | 5M            | 59.5u              | 1.313m                      | 1.332m                      | 354.8m                |
| 5                               | 2                   | 5M            | 62.1u              | 1.158m                      | -                           | 618.4m                |
| 6                               | 3                   | 5M            | 73.9u              | 1.671m                      | 1.534m                      | 629.7m                |
| 7                               | 2                   | 5M            | 50.4u              | 1.155m                      | -                           | 384.7m                |
| 8                               | 3                   | 5M            | 62.7u              | 1.675m                      | 1.571m                      | 94.54m                |
| 9                               | 1                   | 5M            | 52.4u              | -                           | -                           | 45.93m                |
| 10                              | 3                   | 5M            | 55.9u              | 1.743m                      | 1.537m                      | 37.45m                |
| 11                              | 2                   | 5M            | 62.1u              | 1.725m                      | -                           | 173.9m                |
| 12                              | 3                   | 5M            | 65.1u              | 1.567m                      | 1.369m                      | 549.6m                |
| 13                              | 3                   | 5M            | 80.3u              | 1.548m                      | 1.117m                      | 530.8m                |
| 14                              | 2                   | 5M            | 85.5u              | 1.063m                      | -                           | 265.8m                |
| 15                              | 3                   | 5M            | 54.7u              | 1.134m                      | 1.657m                      | 49.43m                |
| 16                              | 2                   | 5M            | 85.8u              | 1.450m                      | -                           | 382.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_23  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5565MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 10M           | 95.2u              | 1.690m                      | -                           | 993.9m                |
| 2                               | 2                   | 10M           | 82.3u              | 1.520m                      | -                           | 555.8m                |
| 3                               | 3                   | 10M           | 95.0u              | 1.392m                      | 1.015m                      | 566.4m                |
| 4                               | 1                   | 10M           | 52.8u              | -                           | -                           | 362.2m                |
| 5                               | 1                   | 10M           | 53.1u              | -                           | -                           | 102.8m                |
| 6                               | 2                   | 10M           | 96.4u              | 1.454m                      | -                           | 714.3m                |
| 7                               | 2                   | 10M           | 56.0u              | 1.235m                      | -                           | 252.4m                |
| 8                               | 2                   | 10M           | 64.8u              | 1.410m                      | -                           | 466.8m                |
| 9                               | 2                   | 10M           | 51.9u              | 1.473m                      | -                           | 878.3m                |
| 10                              | 1                   | 10M           | 81.5u              | -                           | -                           | 856.4m                |
| 11                              | 2                   | 10M           | 97.8u              | 1.480m                      | -                           | 699.6m                |
| 12                              | 3                   | 10M           | 61.7u              | 1.069m                      | 1.910m                      | 663.4m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_24  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 9    |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5565MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 10M           | 80.2u              | 1.716m                      | 1.208m                      | 458.3m                |
| 2                               | 2                   | 10M           | 99.0u              | 1.877m                      | -                           | 80.24m                |
| 3                               | 1                   | 10M           | 70.5u              | -                           | -                           | 705.0m                |
| 4                               | 1                   | 10M           | 88.3u              | -                           | -                           | 69.65m                |
| 5                               | 2                   | 10M           | 56.4u              | 1.516m                      | -                           | 922.0m                |
| 6                               | 1                   | 10M           | 100.0u             | -                           | -                           | 179.3m                |
| 7                               | 2                   | 10M           | 58.2u              | 994.8u                      | -                           | 1.187                 |
| 8                               | 1                   | 10M           | 98.0u              | -                           | -                           | 223.9m                |
| 9                               | 1                   | 10M           | 92.7u              | -                           | -                           | 927.1m                |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_25  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 9    |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5564MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 2                | 13M        | 81.8u           | 959.2u                   | -                        | 874.4m             |
| 2                               | 1                | 13M        | 80.9u           | -                        | -                        | 1.030              |
| 3                               | 3                | 13M        | 56.3u           | 999.7u                   | 1.916m                   | 930.7m             |
| 4                               | 2                | 13M        | 63.6u           | 1.070m                   | -                        | 903.9m             |
| 5                               | 2                | 13M        | 65.0u           | 1.382m                   | -                        | 89.36m             |
| 6                               | 3                | 13M        | 83.5u           | 1.311m                   | 979.5u                   | 725.0m             |
| 7                               | 3                | 13M        | 83.8u           | 918.2u                   | 1.113m                   | 1.114              |
| 8                               | 2                | 13M        | 51.9u           | 1.314m                   | -                        | 1.096              |
| 9                               | 2                | 13M        | 72.3u           | 1.174m                   | -                        | 658.1m             |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_26  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 12   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5564MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                               | 1                | 13M        | 98.7u           | -                        | -                        | 633.0m             |
| 2                               | 1                | 13M        | 57.3u           | -                        | -                        | 438.3m             |
| 3                               | 3                | 13M        | 68.6u           | 1.493m                   | 1.610m                   | 875.1m             |
| 4                               | 2                | 13M        | 97.5u           | 1.612m                   | -                        | 685.6m             |
| 5                               | 1                | 13M        | 55.5u           | -                        | -                        | 747.3m             |
| 6                               | 2                | 13M        | 62.8u           | 967.2u                   | -                        | 788.4m             |
| 7                               | 2                | 13M        | 80.7u           | 1.417m                   | -                        | 652.7m             |
| 8                               | 1                | 13M        | 65.9u           | -                        | -                        | 782.6m             |
| 9                               | 3                | 13M        | 79.9u           | 1.732m                   | 1.557m                   | 410.0m             |
| 10                              | 2                | 13M        | 76.4u           | 1.761m                   | -                        | 78.51m             |
| 11                              | 1                | 13M        | 58.1u           | -                        | -                        | 580.4m             |
| 12                              | 2                | 13M        | 78.0u           | 961.0u                   | -                        | 162.0m             |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_27  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 19   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5563MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 16M           | 57.4u              | 1.310m                      | 1.063m                      | 263.4m                |
| 2                               | 3                   | 16M           | 53.6u              | 1.063m                      | 1.123m                      | 239.3m                |
| 3                               | 3                   | 16M           | 82.4u              | 1.425m                      | 1.371m                      | 434.0m                |
| 4                               | 2                   | 16M           | 83.1u              | 1.514m                      | -                           | 308.5m                |
| 5                               | 3                   | 16M           | 89.8u              | 1.210m                      | 1.455m                      | 259.5m                |
| 6                               | 2                   | 16M           | 95.6u              | 1.397m                      | -                           | 66.09m                |
| 7                               | 2                   | 16M           | 70.5u              | 1.045m                      | -                           | 558.6m                |
| 8                               | 2                   | 16M           | 89.0u              | 1.309m                      | -                           | 92.83m                |
| 9                               | 1                   | 16M           | 83.7u              | -                           | -                           | 524.2m                |
| 10                              | 3                   | 16M           | 93.5u              | 1.004m                      | 1.611m                      | 438.4m                |
| 11                              | 2                   | 16M           | 54.3u              | 1.632m                      | -                           | 338.8m                |
| 12                              | 1                   | 16M           | 72.4u              | -                           | -                           | 84.23m                |
| 13                              | 3                   | 16M           | 72.1u              | 1.064m                      | 1.337m                      | 270.5m                |
| 14                              | 2                   | 16M           | 77.9u              | 1.844m                      | -                           | 230.5m                |
| 15                              | 2                   | 16M           | 89.1u              | 1.282m                      | -                           | 173.5m                |
| 16                              | 2                   | 16M           | 70.0u              | 1.089m                      | -                           | 189.6m                |
| 17                              | 3                   | 16M           | 87.1u              | 1.138m                      | 1.322m                      | 348.7m                |
| 18                              | 1                   | 16M           | 56.9u              | -                           | -                           | 486.2m                |
| 19                              | 3                   | 16M           | 79.4u              | 1.267m                      | 1.580m                      | 285.8m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_28  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 12   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5563MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 3                   | 16M           | 81.9u              | 1.713m                      | 1.130m                      | 406.8m                |
| 2                               | 3                   | 16M           | 94.1u              | 1.182m                      | 1.311m                      | 673.2m                |
| 3                               | 3                   | 16M           | 88.8u              | 1.272m                      | 1.897m                      | 962.9m                |
| 4                               | 2                   | 16M           | 85.5u              | 1.256m                      | -                           | 689.2m                |
| 5                               | 3                   | 16M           | 91.6u              | 1.325m                      | 1.053m                      | 396.5m                |
| 6                               | 3                   | 16M           | 58.7u              | 1.613m                      | 1.768m                      | 692.7m                |
| 7                               | 2                   | 16M           | 89.9u              | 1.182m                      | -                           | 988.1m                |
| 8                               | 3                   | 16M           | 74.7u              | 1.139m                      | 1.384m                      | 783.9m                |
| 9                               | 2                   | 16M           | 74.8u              | 1.849m                      | -                           | 722.0m                |
| 10                              | 2                   | 16M           | 55.6u              | 967.4u                      | -                           | 325.4m                |
| 11                              | 2                   | 16M           | 74.6u              | 1.876m                      | -                           | 549.7m                |
| 12                              | 3                   | 16M           | 97.6u              | 1.660m                      | 1.245m                      | 109.6m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_29  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 10   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5561MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 78.6u              | 1.551m                      | -                           | 833.2m                |
| 2                               | 2                   | 20M           | 51.6u              | 990.4u                      | -                           | 825.2m                |
| 3                               | 2                   | 20M           | 86.8u              | 1.097m                      | -                           | 809.6m                |
| 4                               | 1                   | 20M           | 60.5u              | -                           | -                           | 792.9m                |
| 5                               | 2                   | 20M           | 54.9u              | 1.783m                      | -                           | 491.4m                |
| 6                               | 2                   | 20M           | 75.7u              | 1.245m                      | -                           | 717.7m                |
| 7                               | 2                   | 20M           | 55.0u              | 1.513m                      | -                           | 1.155                 |
| 8                               | 2                   | 20M           | 79.2u              | 955.8u                      | -                           | 118.6m                |
| 9                               | 1                   | 20M           | 56.4u              | -                           | -                           | 881.1m                |
| 10                              | 1                   | 20M           | 97.7u              | -                           | -                           | 978.0m                |

| Long Pulse Radar Test Signal    |                     |               |                    |                             |                             |                       |
|---------------------------------|---------------------|---------------|--------------------|-----------------------------|-----------------------------|-----------------------|
| Test Signal Name: LP_Signal_30  |                     |               |                    |                             |                             |                       |
| Number of Bursts in Trial: 16   |                     |               |                    |                             |                             |                       |
| Chrip Center Frequency: 5561MHz |                     |               |                    |                             |                             |                       |
| Burst                           | Pulses<br>per Burst | Chrip<br>(Hz) | Pulse Width<br>(s) | Pulse 1 to 2<br>Spacing (s) | Pulse 2 to 3<br>Spacing (s) | Start Location<br>(s) |
| 1                               | 2                   | 20M           | 98.1u              | 1.220m                      | -                           | 507.2m                |
| 2                               | 2                   | 20M           | 73.5u              | 1.910m                      | -                           | 227.2m                |
| 3                               | 2                   | 20M           | 98.2u              | 1.506m                      | -                           | 631.2m                |
| 4                               | 3                   | 20M           | 97.9u              | 1.595m                      | 1.851m                      | 164.0m                |
| 5                               | 1                   | 20M           | 92.9u              | -                           | -                           | 45.06m                |
| 6                               | 2                   | 20M           | 76.6u              | 1.260m                      | -                           | 601.8m                |
| 7                               | 2                   | 20M           | 68.1u              | 1.217m                      | -                           | 342.9m                |
| 8                               | 1                   | 20M           | 53.3u              | -                           | -                           | 86.38m                |
| 9                               | 2                   | 20M           | 58.0u              | 978.0u                      | -                           | 75.50m                |
| 10                              | 1                   | 20M           | 66.6u              | -                           | -                           | 328.5m                |
| 11                              | 3                   | 20M           | 69.0u              | 1.388m                      | 1.330m                      | 707.6m                |
| 12                              | 2                   | 20M           | 68.3u              | 1.450m                      | -                           | 328.0m                |
| 13                              | 3                   | 20M           | 99.1u              | 1.752m                      | 1.303m                      | 426.0m                |
| 14                              | 1                   | 20M           | 94.8u              | -                           | -                           | 632.9m                |
| 15                              | 1                   | 20M           | 99.7u              | -                           | -                           | 169.8m                |
| 16                              | 1                   | 20M           | 51.5u              | -                           | -                           | 455.1m                |



| Type 6 Radar Statistical Performances |                  |                 |         |           |
|---------------------------------------|------------------|-----------------|---------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Detection |
| 1                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 2                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 3                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 4                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 5                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 6                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 7                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 8                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 9                                     | 9                | 1.0u            | 333.0u  | Yes       |
| 10                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 11                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 12                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 13                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 14                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 15                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 16                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 17                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 18                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 19                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 20                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 21                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 22                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 23                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 24                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 25                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 26                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 27                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 28                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 29                                    | 9                | 1.0u            | 333.0u  | Yes       |
| 30                                    | 9                | 1.0u            | 333.0u  | Yes       |
| Detection Rate: 100.0 %               |                  |                 |         |           |

| Type 6 Radar Statistical Performances |                                 |                         |
|---------------------------------------|---------------------------------|-------------------------|
| Trial #                               | Hopping Frequency Sequence Name | Detection               |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes                     |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes                     |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes                     |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes                     |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes                     |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes                     |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes                     |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes                     |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes                     |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes                     |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes                     |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes                     |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes                     |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes                     |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes                     |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes                     |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes                     |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes                     |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes                     |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes                     |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes                     |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes                     |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes                     |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes                     |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes                     |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes                     |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes                     |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes                     |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes                     |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes                     |
|                                       |                                 | Detection Rate: 100.0 % |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.584G            | 2    | 5.650G            | 3    | 5.556G            | 4    | 5.372G            |
| 5                                                | 5.441G            | 6    | 5.637G            | 7    | 5.635G            | 8    | 5.288G            |
| 9                                                | 5.697G            | 10   | 5.412G            | 11   | 5.323G            | 12   | 5.452G            |
| 13                                               | 5.659G            | 14   | 5.460G            | 15   | 5.641G            | 16   | 5.681G            |
| 17                                               | 5.374G            | 18   | 5.301G            | 19   | 5.510G            | 20   | 5.468G            |
| 21                                               | 5.585G            | 22   | 5.486G            | 23   | 5.314G            | 24   | 5.677G            |
| 25                                               | 5.655G            | 26   | 5.570G            | 27   | 5.687G            | 28   | 5.675G            |
| 29                                               | 5.572G            | 30   | 5.583G            | 31   | 5.505G            | 32   | 5.698G            |
| 33                                               | 5.350G            | 34   | 5.551G            | 35   | 5.597G            | 36   | 5.707G            |
| 37                                               | 5.333G            | 38   | 5.617G            | 39   | 5.259G            | 40   | 5.663G            |
| 41                                               | 5.620G            | 42   | 5.398G            | 43   | 5.366G            | 44   | 5.685G            |
| 45                                               | 5.516G            | 46   | 5.630G            | 47   | 5.633G            | 48   | 5.445G            |
| 49                                               | 5.458G            | 50   | 5.345G            | 51   | 5.680G            | 52   | 5.592G            |
| 53                                               | 5.396G            | 54   | 5.463G            | 55   | 5.469G            | 56   | 5.672G            |
| 57                                               | 5.518G            | 58   | 5.648G            | 59   | 5.435G            | 60   | 5.297G            |
| 61                                               | 5.332G            | 62   | 5.526G            | 63   | 5.586G            | 64   | 5.609G            |
| 65                                               | 5.657G            | 66   | 5.430G            | 67   | 5.274G            | 68   | 5.471G            |
| 69                                               | 5.310G            | 70   | 5.504G            | 71   | 5.673G            | 72   | 5.281G            |
| 73                                               | 5.682G            | 74   | 5.498G            | 75   | 5.688G            | 76   | 5.544G            |
| 77                                               | 5.712G            | 78   | 5.634G            | 79   | 5.608G            | 80   | 5.282G            |
| 81                                               | 5.631G            | 82   | 5.415G            | 83   | 5.699G            | 84   | 5.360G            |
| 85                                               | 5.283G            | 86   | 5.316G            | 87   | 5.472G            | 88   | 5.449G            |
| 89                                               | 5.694G            | 90   | 5.269G            | 91   | 5.700G            | 92   | 5.294G            |
| 93                                               | 5.692G            | 94   | 5.286G            | 95   | 5.501G            | 96   | 5.689G            |
| 97                                               | 5.324G            | 98   | 5.588G            | 99   | 5.536G            | 100  | 5.579G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.346G            | 2    | 5.501G            | 3    | 5.272G            | 4    | 5.295G            |
| 5                                                | 5.403G            | 6    | 5.712G            | 7    | 5.613G            | 8    | 5.429G            |
| 9                                                | 5.263G            | 10   | 5.351G            | 11   | 5.476G            | 12   | 5.323G            |
| 13                                               | 5.606G            | 14   | 5.355G            | 15   | 5.603G            | 16   | 5.402G            |
| 17                                               | 5.721G            | 18   | 5.330G            | 19   | 5.557G            | 20   | 5.354G            |
| 21                                               | 5.315G            | 22   | 5.465G            | 23   | 5.590G            | 24   | 5.704G            |
| 25                                               | 5.551G            | 26   | 5.303G            | 27   | 5.638G            | 28   | 5.493G            |
| 29                                               | 5.480G            | 30   | 5.709G            | 31   | 5.438G            | 32   | 5.255G            |
| 33                                               | 5.344G            | 34   | 5.256G            | 35   | 5.651G            | 36   | 5.460G            |
| 37                                               | 5.660G            | 38   | 5.343G            | 39   | 5.277G            | 40   | 5.436G            |
| 41                                               | 5.658G            | 42   | 5.370G            | 43   | 5.286G            | 44   | 5.446G            |
| 45                                               | 5.655G            | 46   | 5.517G            | 47   | 5.394G            | 48   | 5.360G            |
| 49                                               | 5.648G            | 50   | 5.425G            | 51   | 5.612G            | 52   | 5.620G            |
| 53                                               | 5.592G            | 54   | 5.570G            | 55   | 5.518G            | 56   | 5.298G            |
| 57                                               | 5.632G            | 58   | 5.600G            | 59   | 5.448G            | 60   | 5.258G            |
| 61                                               | 5.487G            | 62   | 5.701G            | 63   | 5.297G            | 64   | 5.449G            |
| 65                                               | 5.691G            | 66   | 5.450G            | 67   | 5.565G            | 68   | 5.348G            |
| 69                                               | 5.679G            | 70   | 5.629G            | 71   | 5.380G            | 72   | 5.453G            |
| 73                                               | 5.584G            | 74   | 5.335G            | 75   | 5.591G            | 76   | 5.705G            |
| 77                                               | 5.398G            | 78   | 5.270G            | 79   | 5.622G            | 80   | 5.514G            |
| 81                                               | 5.434G            | 82   | 5.369G            | 83   | 5.485G            | 84   | 5.301G            |
| 85                                               | 5.345G            | 86   | 5.618G            | 87   | 5.452G            | 88   | 5.441G            |
| 89                                               | 5.474G            | 90   | 5.250G            | 91   | 5.616G            | 92   | 5.710G            |
| 93                                               | 5.468G            | 94   | 5.513G            | 95   | 5.692G            | 96   | 5.334G            |
| 97                                               | 5.504G            | 98   | 5.347G            | 99   | 5.280G            | 100  | 5.400G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.520G            | 2    | 5.463G            | 3    | 5.410G            | 4    | 5.684G            |
| 5                                                | 5.482G            | 6    | 5.448G            | 7    | 5.370G            | 8    | 5.610G            |
| 9                                                | 5.413G            | 10   | 5.667G            | 11   | 5.326G            | 12   | 5.381G            |
| 13                                               | 5.443G            | 14   | 5.583G            | 15   | 5.334G            | 16   | 5.642G            |
| 17                                               | 5.414G            | 18   | 5.457G            | 19   | 5.385G            | 20   | 5.412G            |
| 21                                               | 5.382G            | 22   | 5.578G            | 23   | 5.670G            | 24   | 5.465G            |
| 25                                               | 5.483G            | 26   | 5.257G            | 27   | 5.323G            | 28   | 5.674G            |
| 29                                               | 5.536G            | 30   | 5.384G            | 31   | 5.596G            | 32   | 5.722G            |
| 33                                               | 5.269G            | 34   | 5.643G            | 35   | 5.560G            | 36   | 5.628G            |
| 37                                               | 5.580G            | 38   | 5.415G            | 39   | 5.369G            | 40   | 5.636G            |
| 41                                               | 5.660G            | 42   | 5.477G            | 43   | 5.678G            | 44   | 5.492G            |
| 45                                               | 5.624G            | 46   | 5.337G            | 47   | 5.400G            | 48   | 5.698G            |
| 49                                               | 5.640G            | 50   | 5.260G            | 51   | 5.564G            | 52   | 5.403G            |
| 53                                               | 5.427G            | 54   | 5.627G            | 55   | 5.350G            | 56   | 5.611G            |
| 57                                               | 5.566G            | 58   | 5.691G            | 59   | 5.358G            | 60   | 5.648G            |
| 61                                               | 5.262G            | 62   | 5.429G            | 63   | 5.378G            | 64   | 5.590G            |
| 65                                               | 5.393G            | 66   | 5.278G            | 67   | 5.718G            | 68   | 5.312G            |
| 69                                               | 5.529G            | 70   | 5.305G            | 71   | 5.552G            | 72   | 5.650G            |
| 73                                               | 5.454G            | 74   | 5.330G            | 75   | 5.422G            | 76   | 5.341G            |
| 77                                               | 5.356G            | 78   | 5.485G            | 79   | 5.551G            | 80   | 5.588G            |
| 81                                               | 5.544G            | 82   | 5.716G            | 83   | 5.304G            | 84   | 5.659G            |
| 85                                               | 5.277G            | 86   | 5.703G            | 87   | 5.472G            | 88   | 5.575G            |
| 89                                               | 5.537G            | 90   | 5.294G            | 91   | 5.690G            | 92   | 5.380G            |
| 93                                               | 5.614G            | 94   | 5.362G            | 95   | 5.423G            | 96   | 5.311G            |
| 97                                               | 5.637G            | 98   | 5.540G            | 99   | 5.270G            | 100  | 5.302G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.397G            | 2    | 5.383G            | 3    | 5.462G            | 4    | 5.338G            |
| 5                                                | 5.267G            | 6    | 5.261G            | 7    | 5.454G            | 8    | 5.500G            |
| 9                                                | 5.603G            | 10   | 5.568G            | 11   | 5.328G            | 12   | 5.467G            |
| 13                                               | 5.629G            | 14   | 5.612G            | 15   | 5.544G            | 16   | 5.375G            |
| 17                                               | 5.325G            | 18   | 5.507G            | 19   | 5.514G            | 20   | 5.433G            |
| 21                                               | 5.718G            | 22   | 5.526G            | 23   | 5.497G            | 24   | 5.520G            |
| 25                                               | 5.555G            | 26   | 5.389G            | 27   | 5.628G            | 28   | 5.511G            |
| 29                                               | 5.435G            | 30   | 5.424G            | 31   | 5.319G            | 32   | 5.453G            |
| 33                                               | 5.493G            | 34   | 5.311G            | 35   | 5.641G            | 36   | 5.415G            |
| 37                                               | 5.547G            | 38   | 5.655G            | 39   | 5.711G            | 40   | 5.579G            |
| 41                                               | 5.702G            | 42   | 5.260G            | 43   | 5.336G            | 44   | 5.278G            |
| 45                                               | 5.314G            | 46   | 5.587G            | 47   | 5.688G            | 48   | 5.598G            |
| 49                                               | 5.443G            | 50   | 5.719G            | 51   | 5.291G            | 52   | 5.428G            |
| 53                                               | 5.441G            | 54   | 5.377G            | 55   | 5.385G            | 56   | 5.315G            |
| 57                                               | 5.609G            | 58   | 5.274G            | 59   | 5.409G            | 60   | 5.546G            |
| 61                                               | 5.431G            | 62   | 5.288G            | 63   | 5.324G            | 64   | 5.341G            |
| 65                                               | 5.376G            | 66   | 5.689G            | 67   | 5.541G            | 68   | 5.422G            |
| 69                                               | 5.695G            | 70   | 5.679G            | 71   | 5.618G            | 72   | 5.465G            |
| 73                                               | 5.255G            | 74   | 5.590G            | 75   | 5.634G            | 76   | 5.388G            |
| 77                                               | 5.406G            | 78   | 5.420G            | 79   | 5.309G            | 80   | 5.362G            |
| 81                                               | 5.425G            | 82   | 5.605G            | 83   | 5.624G            | 84   | 5.374G            |
| 85                                               | 5.366G            | 86   | 5.360G            | 87   | 5.645G            | 88   | 5.297G            |
| 89                                               | 5.556G            | 90   | 5.554G            | 91   | 5.351G            | 92   | 5.596G            |
| 93                                               | 5.302G            | 94   | 5.470G            | 95   | 5.654G            | 96   | 5.299G            |
| 97                                               | 5.481G            | 98   | 5.606G            | 99   | 5.487G            | 100  | 5.343G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.421G            | 2    | 5.644G            | 3    | 5.275G            | 4    | 5.412G            |
| 5                                                | 5.320G            | 6    | 5.350G            | 7    | 5.652G            | 8    | 5.620G            |
| 9                                                | 5.548G            | 10   | 5.601G            | 11   | 5.640G            | 12   | 5.450G            |
| 13                                               | 5.582G            | 14   | 5.702G            | 15   | 5.311G            | 16   | 5.349G            |
| 17                                               | 5.489G            | 18   | 5.605G            | 19   | 5.698G            | 20   | 5.407G            |
| 21                                               | 5.478G            | 22   | 5.545G            | 23   | 5.267G            | 24   | 5.658G            |
| 25                                               | 5.376G            | 26   | 5.707G            | 27   | 5.592G            | 28   | 5.696G            |
| 29                                               | 5.655G            | 30   | 5.504G            | 31   | 5.271G            | 32   | 5.416G            |
| 33                                               | 5.667G            | 34   | 5.673G            | 35   | 5.347G            | 36   | 5.700G            |
| 37                                               | 5.307G            | 38   | 5.723G            | 39   | 5.357G            | 40   | 5.522G            |
| 41                                               | 5.417G            | 42   | 5.257G            | 43   | 5.383G            | 44   | 5.419G            |
| 45                                               | 5.714G            | 46   | 5.393G            | 47   | 5.261G            | 48   | 5.508G            |
| 49                                               | 5.485G            | 50   | 5.260G            | 51   | 5.318G            | 52   | 5.628G            |
| 53                                               | 5.278G            | 54   | 5.430G            | 55   | 5.520G            | 56   | 5.392G            |
| 57                                               | 5.358G            | 58   | 5.270G            | 59   | 5.627G            | 60   | 5.557G            |
| 61                                               | 5.558G            | 62   | 5.305G            | 63   | 5.526G            | 64   | 5.314G            |
| 65                                               | 5.528G            | 66   | 5.555G            | 67   | 5.540G            | 68   | 5.380G            |
| 69                                               | 5.573G            | 70   | 5.268G            | 71   | 5.459G            | 72   | 5.482G            |
| 73                                               | 5.653G            | 74   | 5.353G            | 75   | 5.306G            | 76   | 5.324G            |
| 77                                               | 5.497G            | 78   | 5.693G            | 79   | 5.362G            | 80   | 5.514G            |
| 81                                               | 5.581G            | 82   | 5.415G            | 83   | 5.368G            | 84   | 5.599G            |
| 85                                               | 5.291G            | 86   | 5.704G            | 87   | 5.503G            | 88   | 5.564G            |
| 89                                               | 5.611G            | 90   | 5.634G            | 91   | 5.560G            | 92   | 5.300G            |
| 93                                               | 5.646G            | 94   | 5.561G            | 95   | 5.692G            | 96   | 5.633G            |
| 97                                               | 5.635G            | 98   | 5.492G            | 99   | 5.312G            | 100  | 5.690G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.510G            | 2    | 5.475G            | 3    | 5.466G            | 4    | 5.512G            |
| 5                                                | 5.665G            | 6    | 5.493G            | 7    | 5.595G            | 8    | 5.412G            |
| 9                                                | 5.488G            | 10   | 5.435G            | 11   | 5.408G            | 12   | 5.263G            |
| 13                                               | 5.569G            | 14   | 5.713G            | 15   | 5.269G            | 16   | 5.687G            |
| 17                                               | 5.554G            | 18   | 5.392G            | 19   | 5.455G            | 20   | 5.592G            |
| 21                                               | 5.264G            | 22   | 5.670G            | 23   | 5.660G            | 24   | 5.614G            |
| 25                                               | 5.715G            | 26   | 5.560G            | 27   | 5.591G            | 28   | 5.461G            |
| 29                                               | 5.290G            | 30   | 5.278G            | 31   | 5.714G            | 32   | 5.365G            |
| 33                                               | 5.650G            | 34   | 5.307G            | 35   | 5.432G            | 36   | 5.641G            |
| 37                                               | 5.490G            | 38   | 5.417G            | 39   | 5.265G            | 40   | 5.457G            |
| 41                                               | 5.367G            | 42   | 5.598G            | 43   | 5.308G            | 44   | 5.669G            |
| 45                                               | 5.287G            | 46   | 5.413G            | 47   | 5.312G            | 48   | 5.389G            |
| 49                                               | 5.495G            | 50   | 5.530G            | 51   | 5.532G            | 52   | 5.525G            |
| 53                                               | 5.697G            | 54   | 5.619G            | 55   | 5.494G            | 56   | 5.577G            |
| 57                                               | 5.563G            | 58   | 5.342G            | 59   | 5.288G            | 60   | 5.313G            |
| 61                                               | 5.513G            | 62   | 5.636G            | 63   | 5.316G            | 64   | 5.428G            |
| 65                                               | 5.304G            | 66   | 5.326G            | 67   | 5.681G            | 68   | 5.584G            |
| 69                                               | 5.272G            | 70   | 5.363G            | 71   | 5.460G            | 72   | 5.468G            |
| 73                                               | 5.710G            | 74   | 5.362G            | 75   | 5.722G            | 76   | 5.262G            |
| 77                                               | 5.385G            | 78   | 5.482G            | 79   | 5.336G            | 80   | 5.390G            |
| 81                                               | 5.688G            | 82   | 5.277G            | 83   | 5.407G            | 84   | 5.393G            |
| 85                                               | 5.334G            | 86   | 5.372G            | 87   | 5.422G            | 88   | 5.322G            |
| 89                                               | 5.581G            | 90   | 5.559G            | 91   | 5.346G            | 92   | 5.380G            |
| 93                                               | 5.515G            | 94   | 5.258G            | 95   | 5.606G            | 96   | 5.406G            |
| 97                                               | 5.564G            | 98   | 5.444G            | 99   | 5.613G            | 100  | 5.526G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.551G            | 2    | 5.676G            | 3    | 5.484G            | 4    | 5.572G            |
| 5                                                | 5.380G            | 6    | 5.718G            | 7    | 5.660G            | 8    | 5.644G            |
| 9                                                | 5.397G            | 10   | 5.438G            | 11   | 5.410G            | 12   | 5.256G            |
| 13                                               | 5.538G            | 14   | 5.542G            | 15   | 5.550G            | 16   | 5.480G            |
| 17                                               | 5.413G            | 18   | 5.461G            | 19   | 5.463G            | 20   | 5.369G            |
| 21                                               | 5.640G            | 22   | 5.383G            | 23   | 5.375G            | 24   | 5.488G            |
| 25                                               | 5.570G            | 26   | 5.281G            | 27   | 5.613G            | 28   | 5.282G            |
| 29                                               | 5.310G            | 30   | 5.273G            | 31   | 5.724G            | 32   | 5.622G            |
| 33                                               | 5.633G            | 34   | 5.267G            | 35   | 5.715G            | 36   | 5.523G            |
| 37                                               | 5.632G            | 38   | 5.620G            | 39   | 5.567G            | 40   | 5.589G            |
| 41                                               | 5.318G            | 42   | 5.263G            | 43   | 5.378G            | 44   | 5.716G            |
| 45                                               | 5.289G            | 46   | 5.568G            | 47   | 5.710G            | 48   | 5.516G            |
| 49                                               | 5.606G            | 50   | 5.337G            | 51   | 5.283G            | 52   | 5.717G            |
| 53                                               | 5.424G            | 54   | 5.651G            | 55   | 5.711G            | 56   | 5.707G            |
| 57                                               | 5.698G            | 58   | 5.462G            | 59   | 5.518G            | 60   | 5.445G            |
| 61                                               | 5.360G            | 62   | 5.653G            | 63   | 5.307G            | 64   | 5.341G            |
| 65                                               | 5.581G            | 66   | 5.457G            | 67   | 5.601G            | 68   | 5.345G            |
| 69                                               | 5.658G            | 70   | 5.431G            | 71   | 5.648G            | 72   | 5.253G            |
| 73                                               | 5.683G            | 74   | 5.384G            | 75   | 5.398G            | 76   | 5.459G            |
| 77                                               | 5.254G            | 78   | 5.607G            | 79   | 5.301G            | 80   | 5.417G            |
| 81                                               | 5.347G            | 82   | 5.643G            | 83   | 5.712G            | 84   | 5.514G            |
| 85                                               | 5.576G            | 86   | 5.610G            | 87   | 5.386G            | 88   | 5.381G            |
| 89                                               | 5.476G            | 90   | 5.680G            | 91   | 5.272G            | 92   | 5.477G            |
| 93                                               | 5.565G            | 94   | 5.450G            | 95   | 5.414G            | 96   | 5.343G            |
| 97                                               | 5.497G            | 98   | 5.405G            | 99   | 5.503G            | 100  | 5.577G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.452G            | 2    | 5.443G            | 3    | 5.458G            | 4    | 5.492G            |
| 5                                                | 5.281G            | 6    | 5.280G            | 7    | 5.290G            | 8    | 5.685G            |
| 9                                                | 5.655G            | 10   | 5.636G            | 11   | 5.369G            | 12   | 5.320G            |
| 13                                               | 5.272G            | 14   | 5.644G            | 15   | 5.250G            | 16   | 5.695G            |
| 17                                               | 5.303G            | 18   | 5.268G            | 19   | 5.384G            | 20   | 5.351G            |
| 21                                               | 5.620G            | 22   | 5.588G            | 23   | 5.447G            | 24   | 5.283G            |
| 25                                               | 5.658G            | 26   | 5.566G            | 27   | 5.457G            | 28   | 5.476G            |
| 29                                               | 5.626G            | 30   | 5.325G            | 31   | 5.679G            | 32   | 5.590G            |
| 33                                               | 5.282G            | 34   | 5.538G            | 35   | 5.269G            | 36   | 5.539G            |
| 37                                               | 5.408G            | 38   | 5.400G            | 39   | 5.604G            | 40   | 5.371G            |
| 41                                               | 5.520G            | 42   | 5.499G            | 43   | 5.274G            | 44   | 5.352G            |
| 45                                               | 5.436G            | 46   | 5.505G            | 47   | 5.394G            | 48   | 5.617G            |
| 49                                               | 5.330G            | 50   | 5.652G            | 51   | 5.700G            | 52   | 5.317G            |
| 53                                               | 5.592G            | 54   | 5.473G            | 55   | 5.398G            | 56   | 5.573G            |
| 57                                               | 5.393G            | 58   | 5.674G            | 59   | 5.635G            | 60   | 5.546G            |
| 61                                               | 5.370G            | 62   | 5.542G            | 63   | 5.376G            | 64   | 5.561G            |
| 65                                               | 5.385G            | 66   | 5.606G            | 67   | 5.516G            | 68   | 5.613G            |
| 69                                               | 5.701G            | 70   | 5.510G            | 71   | 5.397G            | 72   | 5.332G            |
| 73                                               | 5.642G            | 74   | 5.651G            | 75   | 5.430G            | 76   | 5.551G            |
| 77                                               | 5.560G            | 78   | 5.316G            | 79   | 5.302G            | 80   | 5.382G            |
| 81                                               | 5.714G            | 82   | 5.341G            | 83   | 5.429G            | 84   | 5.693G            |
| 85                                               | 5.523G            | 86   | 5.470G            | 87   | 5.252G            | 88   | 5.420G            |
| 89                                               | 5.266G            | 90   | 5.563G            | 91   | 5.472G            | 92   | 5.601G            |
| 93                                               | 5.273G            | 94   | 5.340G            | 95   | 5.296G            | 96   | 5.333G            |
| 97                                               | 5.441G            | 98   | 5.550G            | 99   | 5.475G            | 100  | 5.678G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.618G            | 2    | 5.628G            | 3    | 5.634G            | 4    | 5.468G            |
| 5                                                | 5.711G            | 6    | 5.257G            | 7    | 5.588G            | 8    | 5.445G            |
| 9                                                | 5.625G            | 10   | 5.675G            | 11   | 5.527G            | 12   | 5.470G            |
| 13                                               | 5.707G            | 14   | 5.438G            | 15   | 5.559G            | 16   | 5.499G            |
| 17                                               | 5.388G            | 18   | 5.662G            | 19   | 5.594G            | 20   | 5.394G            |
| 21                                               | 5.354G            | 22   | 5.678G            | 23   | 5.418G            | 24   | 5.332G            |
| 25                                               | 5.696G            | 26   | 5.716G            | 27   | 5.621G            | 28   | 5.450G            |
| 29                                               | 5.348G            | 30   | 5.434G            | 31   | 5.452G            | 32   | 5.368G            |
| 33                                               | 5.382G            | 34   | 5.254G            | 35   | 5.578G            | 36   | 5.377G            |
| 37                                               | 5.269G            | 38   | 5.554G            | 39   | 5.449G            | 40   | 5.430G            |
| 41                                               | 5.383G            | 42   | 5.623G            | 43   | 5.401G            | 44   | 5.399G            |
| 45                                               | 5.550G            | 46   | 5.586G            | 47   | 5.581G            | 48   | 5.308G            |
| 49                                               | 5.512G            | 50   | 5.275G            | 51   | 5.362G            | 52   | 5.363G            |
| 53                                               | 5.576G            | 54   | 5.671G            | 55   | 5.342G            | 56   | 5.381G            |
| 57                                               | 5.284G            | 58   | 5.390G            | 59   | 5.605G            | 60   | 5.455G            |
| 61                                               | 5.503G            | 62   | 5.547G            | 63   | 5.562G            | 64   | 5.429G            |
| 65                                               | 5.704G            | 66   | 5.426G            | 67   | 5.411G            | 68   | 5.613G            |
| 69                                               | 5.584G            | 70   | 5.311G            | 71   | 5.501G            | 72   | 5.537G            |
| 73                                               | 5.451G            | 74   | 5.717G            | 75   | 5.709G            | 76   | 5.695G            |
| 77                                               | 5.303G            | 78   | 5.369G            | 79   | 5.514G            | 80   | 5.570G            |
| 81                                               | 5.665G            | 82   | 5.592G            | 83   | 5.631G            | 84   | 5.253G            |
| 85                                               | 5.622G            | 86   | 5.463G            | 87   | 5.469G            | 88   | 5.518G            |
| 89                                               | 5.437G            | 90   | 5.642G            | 91   | 5.630G            | 92   | 5.398G            |
| 93                                               | 5.491G            | 94   | 5.367G            | 95   | 5.346G            | 96   | 5.425G            |
| 97                                               | 5.414G            | 98   | 5.640G            | 99   | 5.321G            | 100  | 5.393G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.314G            | 2    | 5.430G            | 3    | 5.302G            | 4    | 5.313G            |
| 5                                                | 5.617G            | 6    | 5.493G            | 7    | 5.598G            | 8    | 5.300G            |
| 9                                                | 5.712G            | 10   | 5.573G            | 11   | 5.578G            | 12   | 5.340G            |
| 13                                               | 5.359G            | 14   | 5.593G            | 15   | 5.351G            | 16   | 5.451G            |
| 17                                               | 5.354G            | 18   | 5.389G            | 19   | 5.275G            | 20   | 5.625G            |
| 21                                               | 5.515G            | 22   | 5.574G            | 23   | 5.404G            | 24   | 5.552G            |
| 25                                               | 5.426G            | 26   | 5.561G            | 27   | 5.685G            | 28   | 5.555G            |
| 29                                               | 5.592G            | 30   | 5.363G            | 31   | 5.717G            | 32   | 5.347G            |
| 33                                               | 5.252G            | 34   | 5.701G            | 35   | 5.614G            | 36   | 5.608G            |
| 37                                               | 5.671G            | 38   | 5.449G            | 39   | 5.556G            | 40   | 5.371G            |
| 41                                               | 5.373G            | 42   | 5.652G            | 43   | 5.365G            | 44   | 5.304G            |
| 45                                               | 5.537G            | 46   | 5.634G            | 47   | 5.281G            | 48   | 5.647G            |
| 49                                               | 5.324G            | 50   | 5.544G            | 51   | 5.447G            | 52   | 5.437G            |
| 53                                               | 5.400G            | 54   | 5.289G            | 55   | 5.325G            | 56   | 5.505G            |
| 57                                               | 5.603G            | 58   | 5.279G            | 59   | 5.416G            | 60   | 5.446G            |
| 61                                               | 5.326G            | 62   | 5.419G            | 63   | 5.550G            | 64   | 5.409G            |
| 65                                               | 5.605G            | 66   | 5.316G            | 67   | 5.360G            | 68   | 5.540G            |
| 69                                               | 5.370G            | 70   | 5.495G            | 71   | 5.613G            | 72   | 5.467G            |
| 73                                               | 5.362G            | 74   | 5.514G            | 75   | 5.298G            | 76   | 5.559G            |
| 77                                               | 5.380G            | 78   | 5.636G            | 79   | 5.589G            | 80   | 5.470G            |
| 81                                               | 5.551G            | 82   | 5.428G            | 83   | 5.429G            | 84   | 5.716G            |
| 85                                               | 5.361G            | 86   | 5.330G            | 87   | 5.441G            | 88   | 5.402G            |
| 89                                               | 5.271G            | 90   | 5.297G            | 91   | 5.696G            | 92   | 5.691G            |
| 93                                               | 5.376G            | 94   | 5.424G            | 95   | 5.707G            | 96   | 5.307G            |
| 97                                               | 5.435G            | 98   | 5.385G            | 99   | 5.638G            | 100  | 5.563G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.583G            | 2    | 5.494G            | 3    | 5.698G            | 4    | 5.598G            |
| 5                                                | 5.625G            | 6    | 5.370G            | 7    | 5.326G            | 8    | 5.606G            |
| 9                                                | 5.498G            | 10   | 5.328G            | 11   | 5.694G            | 12   | 5.709G            |
| 13                                               | 5.613G            | 14   | 5.481G            | 15   | 5.418G            | 16   | 5.677G            |
| 17                                               | 5.448G            | 18   | 5.343G            | 19   | 5.357G            | 20   | 5.554G            |
| 21                                               | 5.659G            | 22   | 5.396G            | 23   | 5.303G            | 24   | 5.419G            |
| 25                                               | 5.362G            | 26   | 5.428G            | 27   | 5.469G            | 28   | 5.268G            |
| 29                                               | 5.394G            | 30   | 5.492G            | 31   | 5.663G            | 32   | 5.720G            |
| 33                                               | 5.567G            | 34   | 5.356G            | 35   | 5.635G            | 36   | 5.372G            |
| 37                                               | 5.386G            | 38   | 5.345G            | 39   | 5.600G            | 40   | 5.412G            |
| 41                                               | 5.258G            | 42   | 5.411G            | 43   | 5.301G            | 44   | 5.618G            |
| 45                                               | 5.699G            | 46   | 5.604G            | 47   | 5.463G            | 48   | 5.542G            |
| 49                                               | 5.680G            | 50   | 5.670G            | 51   | 5.368G            | 52   | 5.589G            |
| 53                                               | 5.553G            | 54   | 5.515G            | 55   | 5.446G            | 56   | 5.304G            |
| 57                                               | 5.441G            | 58   | 5.424G            | 59   | 5.620G            | 60   | 5.263G            |
| 61                                               | 5.592G            | 62   | 5.629G            | 63   | 5.466G            | 64   | 5.556G            |
| 65                                               | 5.636G            | 66   | 5.722G            | 67   | 5.302G            | 68   | 5.656G            |
| 69                                               | 5.252G            | 70   | 5.286G            | 71   | 5.369G            | 72   | 5.723G            |
| 73                                               | 5.573G            | 74   | 5.569G            | 75   | 5.558G            | 76   | 5.250G            |
| 77                                               | 5.500G            | 78   | 5.457G            | 79   | 5.462G            | 80   | 5.562G            |
| 81                                               | 5.716G            | 82   | 5.614G            | 83   | 5.347G            | 84   | 5.565G            |
| 85                                               | 5.288G            | 86   | 5.627G            | 87   | 5.342G            | 88   | 5.696G            |
| 89                                               | 5.712G            | 90   | 5.337G            | 91   | 5.649G            | 92   | 5.538G            |
| 93                                               | 5.688G            | 94   | 5.549G            | 95   | 5.272G            | 96   | 5.447G            |
| 97                                               | 5.519G            | 98   | 5.323G            | 99   | 5.314G            | 100  | 5.706G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.511G            | 2    | 5.597G            | 3    | 5.289G            | 4    | 5.670G            |
| 5                                                | 5.617G            | 6    | 5.438G            | 7    | 5.491G            | 8    | 5.682G            |
| 9                                                | 5.526G            | 10   | 5.298G            | 11   | 5.352G            | 12   | 5.714G            |
| 13                                               | 5.689G            | 14   | 5.688G            | 15   | 5.360G            | 16   | 5.431G            |
| 17                                               | 5.530G            | 18   | 5.549G            | 19   | 5.478G            | 20   | 5.411G            |
| 21                                               | 5.658G            | 22   | 5.356G            | 23   | 5.265G            | 24   | 5.345G            |
| 25                                               | 5.520G            | 26   | 5.624G            | 27   | 5.562G            | 28   | 5.674G            |
| 29                                               | 5.284G            | 30   | 5.707G            | 31   | 5.464G            | 32   | 5.502G            |
| 33                                               | 5.315G            | 34   | 5.297G            | 35   | 5.639G            | 36   | 5.469G            |
| 37                                               | 5.407G            | 38   | 5.353G            | 39   | 5.542G            | 40   | 5.458G            |
| 41                                               | 5.545G            | 42   | 5.367G            | 43   | 5.569G            | 44   | 5.687G            |
| 45                                               | 5.680G            | 46   | 5.722G            | 47   | 5.312G            | 48   | 5.465G            |
| 49                                               | 5.574G            | 50   | 5.319G            | 51   | 5.648G            | 52   | 5.702G            |
| 53                                               | 5.664G            | 54   | 5.515G            | 55   | 5.613G            | 56   | 5.504G            |
| 57                                               | 5.662G            | 58   | 5.251G            | 59   | 5.322G            | 60   | 5.448G            |
| 61                                               | 5.395G            | 62   | 5.582G            | 63   | 5.350G            | 64   | 5.563G            |
| 65                                               | 5.508G            | 66   | 5.261G            | 67   | 5.577G            | 68   | 5.393G            |
| 69                                               | 5.280G            | 70   | 5.374G            | 71   | 5.380G            | 72   | 5.519G            |
| 73                                               | 5.460G            | 74   | 5.587G            | 75   | 5.720G            | 76   | 5.653G            |
| 77                                               | 5.611G            | 78   | 5.657G            | 79   | 5.596G            | 80   | 5.642G            |
| 81                                               | 5.684G            | 82   | 5.604G            | 83   | 5.538G            | 84   | 5.415G            |
| 85                                               | 5.692G            | 86   | 5.423G            | 87   | 5.258G            | 88   | 5.336G            |
| 89                                               | 5.436G            | 90   | 5.349G            | 91   | 5.287G            | 92   | 5.427G            |
| 93                                               | 5.283G            | 94   | 5.711G            | 95   | 5.316G            | 96   | 5.638G            |
| 97                                               | 5.507G            | 98   | 5.691G            | 99   | 5.399G            | 100  | 5.610G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.524G            | 2    | 5.546G            | 3    | 5.257G            | 4    | 5.323G            |
| 5                                                | 5.303G            | 6    | 5.498G            | 7    | 5.585G            | 8    | 5.653G            |
| 9                                                | 5.540G            | 10   | 5.413G            | 11   | 5.482G            | 12   | 5.462G            |
| 13                                               | 5.296G            | 14   | 5.656G            | 15   | 5.626G            | 16   | 5.631G            |
| 17                                               | 5.567G            | 18   | 5.711G            | 19   | 5.418G            | 20   | 5.374G            |
| 21                                               | 5.666G            | 22   | 5.623G            | 23   | 5.382G            | 24   | 5.408G            |
| 25                                               | 5.615G            | 26   | 5.394G            | 27   | 5.593G            | 28   | 5.657G            |
| 29                                               | 5.441G            | 30   | 5.395G            | 31   | 5.714G            | 32   | 5.607G            |
| 33                                               | 5.254G            | 34   | 5.612G            | 35   | 5.677G            | 36   | 5.717G            |
| 37                                               | 5.684G            | 38   | 5.660G            | 39   | 5.273G            | 40   | 5.415G            |
| 41                                               | 5.351G            | 42   | 5.484G            | 43   | 5.673G            | 44   | 5.610G            |
| 45                                               | 5.442G            | 46   | 5.478G            | 47   | 5.661G            | 48   | 5.563G            |
| 49                                               | 5.560G            | 50   | 5.617G            | 51   | 5.463G            | 52   | 5.459G            |
| 53                                               | 5.469G            | 54   | 5.417G            | 55   | 5.525G            | 56   | 5.555G            |
| 57                                               | 5.493G            | 58   | 5.371G            | 59   | 5.516G            | 60   | 5.663G            |
| 61                                               | 5.347G            | 62   | 5.288G            | 63   | 5.580G            | 64   | 5.350G            |
| 65                                               | 5.378G            | 66   | 5.700G            | 67   | 5.597G            | 68   | 5.324G            |
| 69                                               | 5.458G            | 70   | 5.471G            | 71   | 5.538G            | 72   | 5.599G            |
| 73                                               | 5.426G            | 74   | 5.310G            | 75   | 5.688G            | 76   | 5.333G            |
| 77                                               | 5.475G            | 78   | 5.258G            | 79   | 5.419G            | 80   | 5.701G            |
| 81                                               | 5.600G            | 82   | 5.590G            | 83   | 5.690G            | 84   | 5.528G            |
| 85                                               | 5.362G            | 86   | 5.342G            | 87   | 5.502G            | 88   | 5.414G            |
| 89                                               | 5.457G            | 90   | 5.297G            | 91   | 5.357G            | 92   | 5.509G            |
| 93                                               | 5.274G            | 94   | 5.451G            | 95   | 5.328G            | 96   | 5.539G            |
| 97                                               | 5.596G            | 98   | 5.479G            | 99   | 5.474G            | 100  | 5.284G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.284G            | 2    | 5.688G            | 3    | 5.520G            | 4    | 5.344G            |
| 5                                                | 5.339G            | 6    | 5.657G            | 7    | 5.545G            | 8    | 5.607G            |
| 9                                                | 5.538G            | 10   | 5.297G            | 11   | 5.658G            | 12   | 5.600G            |
| 13                                               | 5.460G            | 14   | 5.285G            | 15   | 5.398G            | 16   | 5.264G            |
| 17                                               | 5.303G            | 18   | 5.465G            | 19   | 5.708G            | 20   | 5.443G            |
| 21                                               | 5.421G            | 22   | 5.630G            | 23   | 5.386G            | 24   | 5.357G            |
| 25                                               | 5.723G            | 26   | 5.684G            | 27   | 5.483G            | 28   | 5.551G            |
| 29                                               | 5.529G            | 30   | 5.275G            | 31   | 5.381G            | 32   | 5.444G            |
| 33                                               | 5.639G            | 34   | 5.345G            | 35   | 5.326G            | 36   | 5.506G            |
| 37                                               | 5.531G            | 38   | 5.679G            | 39   | 5.355G            | 40   | 5.649G            |
| 41                                               | 5.560G            | 42   | 5.377G            | 43   | 5.331G            | 44   | 5.428G            |
| 45                                               | 5.575G            | 46   | 5.500G            | 47   | 5.509G            | 48   | 5.656G            |
| 49                                               | 5.693G            | 50   | 5.376G            | 51   | 5.434G            | 52   | 5.327G            |
| 53                                               | 5.542G            | 54   | 5.368G            | 55   | 5.321G            | 56   | 5.349G            |
| 57                                               | 5.389G            | 58   | 5.353G            | 59   | 5.606G            | 60   | 5.494G            |
| 61                                               | 5.315G            | 62   | 5.568G            | 63   | 5.559G            | 64   | 5.278G            |
| 65                                               | 5.680G            | 66   | 5.288G            | 67   | 5.557G            | 68   | 5.405G            |
| 69                                               | 5.589G            | 70   | 5.634G            | 71   | 5.721G            | 72   | 5.350G            |
| 73                                               | 5.485G            | 74   | 5.481G            | 75   | 5.433G            | 76   | 5.296G            |
| 77                                               | 5.691G            | 78   | 5.544G            | 79   | 5.587G            | 80   | 5.599G            |
| 81                                               | 5.713G            | 82   | 5.632G            | 83   | 5.676G            | 84   | 5.307G            |
| 85                                               | 5.497G            | 86   | 5.328G            | 87   | 5.653G            | 88   | 5.578G            |
| 89                                               | 5.332G            | 90   | 5.608G            | 91   | 5.310G            | 92   | 5.445G            |
| 93                                               | 5.419G            | 94   | 5.576G            | 95   | 5.503G            | 96   | 5.549G            |
| 97                                               | 5.322G            | 98   | 5.683G            | 99   | 5.707G            | 100  | 5.698G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.522G            | 2    | 5.425G            | 3    | 5.421G            | 4    | 5.722G            |
| 5                                                | 5.369G            | 6    | 5.553G            | 7    | 5.395G            | 8    | 5.265G            |
| 9                                                | 5.669G            | 10   | 5.543G            | 11   | 5.266G            | 12   | 5.490G            |
| 13                                               | 5.724G            | 14   | 5.250G            | 15   | 5.405G            | 16   | 5.579G            |
| 17                                               | 5.520G            | 18   | 5.608G            | 19   | 5.686G            | 20   | 5.404G            |
| 21                                               | 5.494G            | 22   | 5.560G            | 23   | 5.446G            | 24   | 5.367G            |
| 25                                               | 5.545G            | 26   | 5.388G            | 27   | 5.350G            | 28   | 5.402G            |
| 29                                               | 5.640G            | 30   | 5.286G            | 31   | 5.273G            | 32   | 5.680G            |
| 33                                               | 5.256G            | 34   | 5.292G            | 35   | 5.308G            | 36   | 5.481G            |
| 37                                               | 5.304G            | 38   | 5.600G            | 39   | 5.397G            | 40   | 5.299G            |
| 41                                               | 5.386G            | 42   | 5.586G            | 43   | 5.602G            | 44   | 5.444G            |
| 45                                               | 5.684G            | 46   | 5.505G            | 47   | 5.723G            | 48   | 5.613G            |
| 49                                               | 5.532G            | 50   | 5.319G            | 51   | 5.595G            | 52   | 5.370G            |
| 53                                               | 5.318G            | 54   | 5.314G            | 55   | 5.487G            | 56   | 5.531G            |
| 57                                               | 5.604G            | 58   | 5.272G            | 59   | 5.572G            | 60   | 5.598G            |
| 61                                               | 5.384G            | 62   | 5.591G            | 63   | 5.619G            | 64   | 5.695G            |
| 65                                               | 5.372G            | 66   | 5.452G            | 67   | 5.443G            | 68   | 5.269G            |
| 69                                               | 5.462G            | 70   | 5.568G            | 71   | 5.346G            | 72   | 5.422G            |
| 73                                               | 5.257G            | 74   | 5.523G            | 75   | 5.671G            | 76   | 5.307G            |
| 77                                               | 5.361G            | 78   | 5.416G            | 79   | 5.433G            | 80   | 5.617G            |
| 81                                               | 5.398G            | 82   | 5.351G            | 83   | 5.485G            | 84   | 5.650G            |
| 85                                               | 5.347G            | 86   | 5.334G            | 87   | 5.442G            | 88   | 5.276G            |
| 89                                               | 5.392G            | 90   | 5.360G            | 91   | 5.456G            | 92   | 5.468G            |
| 93                                               | 5.309G            | 94   | 5.328G            | 95   | 5.497G            | 96   | 5.337G            |
| 97                                               | 5.294G            | 98   | 5.261G            | 99   | 5.557G            | 100  | 5.665G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.587G            | 2    | 5.395G            | 3    | 5.533G            | 4    | 5.319G            |
| 5                                                | 5.473G            | 6    | 5.361G            | 7    | 5.697G            | 8    | 5.549G            |
| 9                                                | 5.680G            | 10   | 5.507G            | 11   | 5.526G            | 12   | 5.374G            |
| 13                                               | 5.377G            | 14   | 5.723G            | 15   | 5.444G            | 16   | 5.457G            |
| 17                                               | 5.347G            | 18   | 5.517G            | 19   | 5.313G            | 20   | 5.412G            |
| 21                                               | 5.720G            | 22   | 5.719G            | 23   | 5.380G            | 24   | 5.410G            |
| 25                                               | 5.692G            | 26   | 5.323G            | 27   | 5.466G            | 28   | 5.506G            |
| 29                                               | 5.386G            | 30   | 5.286G            | 31   | 5.643G            | 32   | 5.681G            |
| 33                                               | 5.370G            | 34   | 5.333G            | 35   | 5.476G            | 36   | 5.498G            |
| 37                                               | 5.655G            | 38   | 5.368G            | 39   | 5.612G            | 40   | 5.254G            |
| 41                                               | 5.602G            | 42   | 5.627G            | 43   | 5.335G            | 44   | 5.404G            |
| 45                                               | 5.718G            | 46   | 5.656G            | 47   | 5.667G            | 48   | 5.431G            |
| 49                                               | 5.686G            | 50   | 5.651G            | 51   | 5.585G            | 52   | 5.649G            |
| 53                                               | 5.265G            | 54   | 5.474G            | 55   | 5.268G            | 56   | 5.631G            |
| 57                                               | 5.376G            | 58   | 5.260G            | 59   | 5.488G            | 60   | 5.521G            |
| 61                                               | 5.672G            | 62   | 5.618G            | 63   | 5.403G            | 64   | 5.610G            |
| 65                                               | 5.315G            | 66   | 5.556G            | 67   | 5.659G            | 68   | 5.420G            |
| 69                                               | 5.596G            | 70   | 5.270G            | 71   | 5.324G            | 72   | 5.546G            |
| 73                                               | 5.358G            | 74   | 5.675G            | 75   | 5.295G            | 76   | 5.568G            |
| 77                                               | 5.281G            | 78   | 5.630G            | 79   | 5.499G            | 80   | 5.263G            |
| 81                                               | 5.325G            | 82   | 5.541G            | 83   | 5.490G            | 84   | 5.371G            |
| 85                                               | 5.634G            | 86   | 5.464G            | 87   | 5.352G            | 88   | 5.326G            |
| 89                                               | 5.330G            | 90   | 5.606G            | 91   | 5.711G            | 92   | 5.381G            |
| 93                                               | 5.580G            | 94   | 5.280G            | 95   | 5.554G            | 96   | 5.362G            |
| 97                                               | 5.626G            | 98   | 5.510G            | 99   | 5.716G            | 100  | 5.441G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.293G            | 2    | 5.283G            | 3    | 5.433G            | 4    | 5.556G            |
| 5                                                | 5.494G            | 6    | 5.344G            | 7    | 5.320G            | 8    | 5.656G            |
| 9                                                | 5.405G            | 10   | 5.606G            | 11   | 5.323G            | 12   | 5.358G            |
| 13                                               | 5.274G            | 14   | 5.521G            | 15   | 5.434G            | 16   | 5.546G            |
| 17                                               | 5.644G            | 18   | 5.487G            | 19   | 5.313G            | 20   | 5.676G            |
| 21                                               | 5.609G            | 22   | 5.297G            | 23   | 5.565G            | 24   | 5.377G            |
| 25                                               | 5.288G            | 26   | 5.397G            | 27   | 5.470G            | 28   | 5.299G            |
| 29                                               | 5.645G            | 30   | 5.292G            | 31   | 5.667G            | 32   | 5.473G            |
| 33                                               | 5.615G            | 34   | 5.513G            | 35   | 5.558G            | 36   | 5.447G            |
| 37                                               | 5.549G            | 38   | 5.362G            | 39   | 5.365G            | 40   | 5.465G            |
| 41                                               | 5.483G            | 42   | 5.370G            | 43   | 5.361G            | 44   | 5.702G            |
| 45                                               | 5.369G            | 46   | 5.723G            | 47   | 5.328G            | 48   | 5.278G            |
| 49                                               | 5.311G            | 50   | 5.539G            | 51   | 5.419G            | 52   | 5.554G            |
| 53                                               | 5.262G            | 54   | 5.379G            | 55   | 5.713G            | 56   | 5.493G            |
| 57                                               | 5.294G            | 58   | 5.603G            | 59   | 5.304G            | 60   | 5.340G            |
| 61                                               | 5.614G            | 62   | 5.350G            | 63   | 5.551G            | 64   | 5.626G            |
| 65                                               | 5.295G            | 66   | 5.671G            | 67   | 5.336G            | 68   | 5.694G            |
| 69                                               | 5.621G            | 70   | 5.540G            | 71   | 5.648G            | 72   | 5.391G            |
| 73                                               | 5.373G            | 74   | 5.682G            | 75   | 5.463G            | 76   | 5.672G            |
| 77                                               | 5.559G            | 78   | 5.477G            | 79   | 5.518G            | 80   | 5.607G            |
| 81                                               | 5.647G            | 82   | 5.442G            | 83   | 5.720G            | 84   | 5.590G            |
| 85                                               | 5.403G            | 86   | 5.580G            | 87   | 5.591G            | 88   | 5.637G            |
| 89                                               | 5.506G            | 90   | 5.411G            | 91   | 5.587G            | 92   | 5.543G            |
| 93                                               | 5.601G            | 94   | 5.455G            | 95   | 5.697G            | 96   | 5.668G            |
| 97                                               | 5.695G            | 98   | 5.271G            | 99   | 5.430G            | 100  | 5.514G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.715G            | 2    | 5.594G            | 3    | 5.450G            | 4    | 5.473G            |
| 5                                                | 5.287G            | 6    | 5.338G            | 7    | 5.346G            | 8    | 5.288G            |
| 9                                                | 5.542G            | 10   | 5.306G            | 11   | 5.333G            | 12   | 5.472G            |
| 13                                               | 5.490G            | 14   | 5.551G            | 15   | 5.644G            | 16   | 5.651G            |
| 17                                               | 5.618G            | 18   | 5.434G            | 19   | 5.691G            | 20   | 5.666G            |
| 21                                               | 5.648G            | 22   | 5.558G            | 23   | 5.397G            | 24   | 5.316G            |
| 25                                               | 5.602G            | 26   | 5.545G            | 27   | 5.336G            | 28   | 5.701G            |
| 29                                               | 5.401G            | 30   | 5.582G            | 31   | 5.576G            | 32   | 5.429G            |
| 33                                               | 5.367G            | 34   | 5.527G            | 35   | 5.344G            | 36   | 5.286G            |
| 37                                               | 5.304G            | 38   | 5.660G            | 39   | 5.687G            | 40   | 5.631G            |
| 41                                               | 5.622G            | 42   | 5.677G            | 43   | 5.383G            | 44   | 5.296G            |
| 45                                               | 5.619G            | 46   | 5.503G            | 47   | 5.708G            | 48   | 5.482G            |
| 49                                               | 5.624G            | 50   | 5.599G            | 51   | 5.667G            | 52   | 5.298G            |
| 53                                               | 5.414G            | 54   | 5.349G            | 55   | 5.548G            | 56   | 5.615G            |
| 57                                               | 5.568G            | 58   | 5.424G            | 59   | 5.720G            | 60   | 5.271G            |
| 61                                               | 5.369G            | 62   | 5.559G            | 63   | 5.276G            | 64   | 5.356G            |
| 65                                               | 5.256G            | 66   | 5.681G            | 67   | 5.540G            | 68   | 5.263G            |
| 69                                               | 5.275G            | 70   | 5.629G            | 71   | 5.303G            | 72   | 5.433G            |
| 73                                               | 5.481G            | 74   | 5.523G            | 75   | 5.285G            | 76   | 5.407G            |
| 77                                               | 5.378G            | 78   | 5.512G            | 79   | 5.650G            | 80   | 5.278G            |
| 81                                               | 5.446G            | 82   | 5.546G            | 83   | 5.486G            | 84   | 5.564G            |
| 85                                               | 5.613G            | 86   | 5.390G            | 87   | 5.348G            | 88   | 5.468G            |
| 89                                               | 5.565G            | 90   | 5.518G            | 91   | 5.600G            | 92   | 5.311G            |
| 93                                               | 5.506G            | 94   | 5.484G            | 95   | 5.438G            | 96   | 5.381G            |
| 97                                               | 5.553G            | 98   | 5.364G            | 99   | 5.423G            | 100  | 5.343G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.666G            | 2    | 5.487G            | 3    | 5.470G            | 4    | 5.359G            |
| 5                                                | 5.338G            | 6    | 5.472G            | 7    | 5.390G            | 8    | 5.708G            |
| 9                                                | 5.589G            | 10   | 5.366G            | 11   | 5.485G            | 12   | 5.519G            |
| 13                                               | 5.337G            | 14   | 5.659G            | 15   | 5.501G            | 16   | 5.405G            |
| 17                                               | 5.295G            | 18   | 5.369G            | 19   | 5.284G            | 20   | 5.425G            |
| 21                                               | 5.661G            | 22   | 5.447G            | 23   | 5.483G            | 24   | 5.267G            |
| 25                                               | 5.285G            | 26   | 5.549G            | 27   | 5.306G            | 28   | 5.473G            |
| 29                                               | 5.637G            | 30   | 5.578G            | 31   | 5.513G            | 32   | 5.605G            |
| 33                                               | 5.623G            | 34   | 5.573G            | 35   | 5.536G            | 36   | 5.663G            |
| 37                                               | 5.511G            | 38   | 5.479G            | 39   | 5.611G            | 40   | 5.510G            |
| 41                                               | 5.403G            | 42   | 5.301G            | 43   | 5.711G            | 44   | 5.706G            |
| 45                                               | 5.259G            | 46   | 5.554G            | 47   | 5.494G            | 48   | 5.254G            |
| 49                                               | 5.250G            | 50   | 5.497G            | 51   | 5.291G            | 52   | 5.543G            |
| 53                                               | 5.495G            | 54   | 5.376G            | 55   | 5.481G            | 56   | 5.325G            |
| 57                                               | 5.506G            | 58   | 5.697G            | 59   | 5.340G            | 60   | 5.378G            |
| 61                                               | 5.579G            | 62   | 5.558G            | 63   | 5.664G            | 64   | 5.364G            |
| 65                                               | 5.290G            | 66   | 5.467G            | 67   | 5.446G            | 68   | 5.417G            |
| 69                                               | 5.684G            | 70   | 5.700G            | 71   | 5.408G            | 72   | 5.545G            |
| 73                                               | 5.316G            | 74   | 5.305G            | 75   | 5.616G            | 76   | 5.329G            |
| 77                                               | 5.255G            | 78   | 5.601G            | 79   | 5.455G            | 80   | 5.486G            |
| 81                                               | 5.478G            | 82   | 5.383G            | 83   | 5.450G            | 84   | 5.358G            |
| 85                                               | 5.678G            | 86   | 5.407G            | 87   | 5.514G            | 88   | 5.718G            |
| 89                                               | 5.331G            | 90   | 5.468G            | 91   | 5.698G            | 92   | 5.507G            |
| 93                                               | 5.312G            | 94   | 5.719G            | 95   | 5.372G            | 96   | 5.570G            |
| 97                                               | 5.271G            | 98   | 5.528G            | 99   | 5.582G            | 100  | 5.644G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.388G            | 2    | 5.645G            | 3    | 5.618G            | 4    | 5.275G            |
| 5                                                | 5.406G            | 6    | 5.363G            | 7    | 5.279G            | 8    | 5.639G            |
| 9                                                | 5.665G            | 10   | 5.617G            | 11   | 5.579G            | 12   | 5.691G            |
| 13                                               | 5.295G            | 14   | 5.602G            | 15   | 5.372G            | 16   | 5.484G            |
| 17                                               | 5.516G            | 18   | 5.345G            | 19   | 5.649G            | 20   | 5.597G            |
| 21                                               | 5.394G            | 22   | 5.404G            | 23   | 5.487G            | 24   | 5.483G            |
| 25                                               | 5.543G            | 26   | 5.722G            | 27   | 5.574G            | 28   | 5.353G            |
| 29                                               | 5.528G            | 30   | 5.522G            | 31   | 5.401G            | 32   | 5.467G            |
| 33                                               | 5.325G            | 34   | 5.585G            | 35   | 5.277G            | 36   | 5.264G            |
| 37                                               | 5.525G            | 38   | 5.586G            | 39   | 5.430G            | 40   | 5.350G            |
| 41                                               | 5.445G            | 42   | 5.635G            | 43   | 5.675G            | 44   | 5.285G            |
| 45                                               | 5.674G            | 46   | 5.307G            | 47   | 5.328G            | 48   | 5.338G            |
| 49                                               | 5.286G            | 50   | 5.540G            | 51   | 5.657G            | 52   | 5.313G            |
| 53                                               | 5.546G            | 54   | 5.370G            | 55   | 5.358G            | 56   | 5.611G            |
| 57                                               | 5.495G            | 58   | 5.410G            | 59   | 5.268G            | 60   | 5.640G            |
| 61                                               | 5.311G            | 62   | 5.513G            | 63   | 5.584G            | 64   | 5.562G            |
| 65                                               | 5.518G            | 66   | 5.572G            | 67   | 5.456G            | 68   | 5.680G            |
| 69                                               | 5.461G            | 70   | 5.348G            | 71   | 5.505G            | 72   | 5.340G            |
| 73                                               | 5.409G            | 74   | 5.699G            | 75   | 5.362G            | 76   | 5.714G            |
| 77                                               | 5.706G            | 78   | 5.684G            | 79   | 5.431G            | 80   | 5.463G            |
| 81                                               | 5.288G            | 82   | 5.418G            | 83   | 5.374G            | 84   | 5.270G            |
| 85                                               | 5.571G            | 86   | 5.414G            | 87   | 5.266G            | 88   | 5.322G            |
| 89                                               | 5.547G            | 90   | 5.272G            | 91   | 5.710G            | 92   | 5.327G            |
| 93                                               | 5.331G            | 94   | 5.282G            | 95   | 5.403G            | 96   | 5.560G            |
| 97                                               | 5.342G            | 98   | 5.321G            | 99   | 5.701G            | 100  | 5.504G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.637G            | 2    | 5.337G            | 3    | 5.452G            | 4    | 5.302G            |
| 5                                                | 5.278G            | 6    | 5.606G            | 7    | 5.696G            | 8    | 5.579G            |
| 9                                                | 5.363G            | 10   | 5.285G            | 11   | 5.275G            | 12   | 5.484G            |
| 13                                               | 5.427G            | 14   | 5.468G            | 15   | 5.309G            | 16   | 5.607G            |
| 17                                               | 5.494G            | 18   | 5.684G            | 19   | 5.272G            | 20   | 5.697G            |
| 21                                               | 5.447G            | 22   | 5.367G            | 23   | 5.338G            | 24   | 5.504G            |
| 25                                               | 5.465G            | 26   | 5.381G            | 27   | 5.368G            | 28   | 5.471G            |
| 29                                               | 5.310G            | 30   | 5.455G            | 31   | 5.553G            | 32   | 5.626G            |
| 33                                               | 5.457G            | 34   | 5.420G            | 35   | 5.362G            | 36   | 5.621G            |
| 37                                               | 5.700G            | 38   | 5.599G            | 39   | 5.653G            | 40   | 5.615G            |
| 41                                               | 5.402G            | 42   | 5.379G            | 43   | 5.490G            | 44   | 5.715G            |
| 45                                               | 5.695G            | 46   | 5.595G            | 47   | 5.421G            | 48   | 5.609G            |
| 49                                               | 5.664G            | 50   | 5.642G            | 51   | 5.628G            | 52   | 5.674G            |
| 53                                               | 5.507G            | 54   | 5.617G            | 55   | 5.656G            | 56   | 5.493G            |
| 57                                               | 5.266G            | 58   | 5.714G            | 59   | 5.319G            | 60   | 5.441G            |
| 61                                               | 5.478G            | 62   | 5.444G            | 63   | 5.474G            | 64   | 5.575G            |
| 65                                               | 5.294G            | 66   | 5.282G            | 67   | 5.328G            | 68   | 5.462G            |
| 69                                               | 5.289G            | 70   | 5.724G            | 71   | 5.454G            | 72   | 5.306G            |
| 73                                               | 5.380G            | 74   | 5.332G            | 75   | 5.677G            | 76   | 5.374G            |
| 77                                               | 5.712G            | 78   | 5.387G            | 79   | 5.472G            | 80   | 5.542G            |
| 81                                               | 5.533G            | 82   | 5.426G            | 83   | 5.254G            | 84   | 5.669G            |
| 85                                               | 5.271G            | 86   | 5.577G            | 87   | 5.502G            | 88   | 5.403G            |
| 89                                               | 5.543G            | 90   | 5.571G            | 91   | 5.513G            | 92   | 5.479G            |
| 93                                               | 5.601G            | 94   | 5.482G            | 95   | 5.428G            | 96   | 5.614G            |
| 97                                               | 5.336G            | 98   | 5.372G            | 99   | 5.600G            | 100  | 5.470G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.335G            | 2    | 5.570G            | 3    | 5.334G            | 4    | 5.433G            |
| 5                                                | 5.464G            | 6    | 5.451G            | 7    | 5.687G            | 8    | 5.586G            |
| 9                                                | 5.254G            | 10   | 5.634G            | 11   | 5.438G            | 12   | 5.722G            |
| 13                                               | 5.386G            | 14   | 5.607G            | 15   | 5.290G            | 16   | 5.262G            |
| 17                                               | 5.515G            | 18   | 5.441G            | 19   | 5.636G            | 20   | 5.270G            |
| 21                                               | 5.256G            | 22   | 5.279G            | 23   | 5.620G            | 24   | 5.447G            |
| 25                                               | 5.471G            | 26   | 5.417G            | 27   | 5.473G            | 28   | 5.708G            |
| 29                                               | 5.468G            | 30   | 5.362G            | 31   | 5.572G            | 32   | 5.563G            |
| 33                                               | 5.328G            | 34   | 5.601G            | 35   | 5.541G            | 36   | 5.629G            |
| 37                                               | 5.393G            | 38   | 5.667G            | 39   | 5.531G            | 40   | 5.313G            |
| 41                                               | 5.633G            | 42   | 5.403G            | 43   | 5.613G            | 44   | 5.553G            |
| 45                                               | 5.465G            | 46   | 5.716G            | 47   | 5.329G            | 48   | 5.356G            |
| 49                                               | 5.320G            | 50   | 5.391G            | 51   | 5.255G            | 52   | 5.276G            |
| 53                                               | 5.324G            | 54   | 5.271G            | 55   | 5.500G            | 56   | 5.646G            |
| 57                                               | 5.404G            | 58   | 5.265G            | 59   | 5.671G            | 60   | 5.616G            |
| 61                                               | 5.371G            | 62   | 5.606G            | 63   | 5.477G            | 64   | 5.467G            |
| 65                                               | 5.561G            | 66   | 5.359G            | 67   | 5.603G            | 68   | 5.407G            |
| 69                                               | 5.426G            | 70   | 5.715G            | 71   | 5.663G            | 72   | 5.680G            |
| 73                                               | 5.463G            | 74   | 5.274G            | 75   | 5.567G            | 76   | 5.721G            |
| 77                                               | 5.678G            | 78   | 5.657G            | 79   | 5.443G            | 80   | 5.338G            |
| 81                                               | 5.293G            | 82   | 5.325G            | 83   | 5.724G            | 84   | 5.402G            |
| 85                                               | 5.581G            | 86   | 5.478G            | 87   | 5.507G            | 88   | 5.669G            |
| 89                                               | 5.409G            | 90   | 5.495G            | 91   | 5.627G            | 92   | 5.519G            |
| 93                                               | 5.508G            | 94   | 5.322G            | 95   | 5.373G            | 96   | 5.382G            |
| 97                                               | 5.530G            | 98   | 5.589G            | 99   | 5.587G            | 100  | 5.580G            |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.295G            | 2    | 5.251G            | 3    | 5.536G            | 4    | 5.257G            |
| 5                                                | 5.694G            | 6    | 5.615G            | 7    | 5.373G            | 8    | 5.529G            |
| 9                                                | 5.255G            | 10   | 5.542G            | 11   | 5.604G            | 12   | 5.280G            |
| 13                                               | 5.288G            | 14   | 5.479G            | 15   | 5.706G            | 16   | 5.600G            |
| 17                                               | 5.420G            | 18   | 5.640G            | 19   | 5.256G            | 20   | 5.260G            |
| 21                                               | 5.605G            | 22   | 5.349G            | 23   | 5.466G            | 24   | 5.576G            |
| 25                                               | 5.310G            | 26   | 5.696G            | 27   | 5.658G            | 28   | 5.284G            |
| 29                                               | 5.286G            | 30   | 5.651G            | 31   | 5.324G            | 32   | 5.570G            |
| 33                                               | 5.627G            | 34   | 5.610G            | 35   | 5.541G            | 36   | 5.505G            |
| 37                                               | 5.527G            | 38   | 5.481G            | 39   | 5.270G            | 40   | 5.301G            |
| 41                                               | 5.667G            | 42   | 5.516G            | 43   | 5.409G            | 44   | 5.299G            |
| 45                                               | 5.348G            | 46   | 5.482G            | 47   | 5.617G            | 48   | 5.586G            |
| 49                                               | 5.442G            | 50   | 5.297G            | 51   | 5.470G            | 52   | 5.296G            |
| 53                                               | 5.417G            | 54   | 5.282G            | 55   | 5.671G            | 56   | 5.676G            |
| 57                                               | 5.506G            | 58   | 5.421G            | 59   | 5.438G            | 60   | 5.345G            |
| 61                                               | 5.402G            | 62   | 5.350G            | 63   | 5.483G            | 64   | 5.577G            |
| 65                                               | 5.573G            | 66   | 5.537G            | 67   | 5.635G            | 68   | 5.426G            |
| 69                                               | 5.278G            | 70   | 5.303G            | 71   | 5.276G            | 72   | 5.591G            |
| 73                                               | 5.686G            | 74   | 5.568G            | 75   | 5.559G            | 76   | 5.712G            |
| 77                                               | 5.621G            | 78   | 5.414G            | 79   | 5.669G            | 80   | 5.398G            |
| 81                                               | 5.630G            | 82   | 5.521G            | 83   | 5.662G            | 84   | 5.619G            |
| 85                                               | 5.262G            | 86   | 5.578G            | 87   | 5.335G            | 88   | 5.401G            |
| 89                                               | 5.645G            | 90   | 5.312G            | 91   | 5.546G            | 92   | 5.292G            |
| 93                                               | 5.654G            | 94   | 5.663G            | 95   | 5.557G            | 96   | 5.628G            |
| 97                                               | 5.504G            | 98   | 5.305G            | 99   | 5.632G            | 100  | 5.624G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.471G            | 2    | 5.508G            | 3    | 5.494G            | 4    | 5.442G            |
| 5                                                | 5.648G            | 6    | 5.621G            | 7    | 5.433G            | 8    | 5.405G            |
| 9                                                | 5.339G            | 10   | 5.302G            | 11   | 5.546G            | 12   | 5.502G            |
| 13                                               | 5.268G            | 14   | 5.607G            | 15   | 5.673G            | 16   | 5.406G            |
| 17                                               | 5.669G            | 18   | 5.307G            | 19   | 5.453G            | 20   | 5.670G            |
| 21                                               | 5.274G            | 22   | 5.570G            | 23   | 5.636G            | 24   | 5.484G            |
| 25                                               | 5.599G            | 26   | 5.458G            | 27   | 5.294G            | 28   | 5.595G            |
| 29                                               | 5.308G            | 30   | 5.606G            | 31   | 5.556G            | 32   | 5.402G            |
| 33                                               | 5.392G            | 34   | 5.626G            | 35   | 5.603G            | 36   | 5.416G            |
| 37                                               | 5.645G            | 38   | 5.709G            | 39   | 5.665G            | 40   | 5.407G            |
| 41                                               | 5.290G            | 42   | 5.298G            | 43   | 5.628G            | 44   | 5.314G            |
| 45                                               | 5.363G            | 46   | 5.366G            | 47   | 5.557G            | 48   | 5.321G            |
| 49                                               | 5.722G            | 50   | 5.525G            | 51   | 5.351G            | 52   | 5.390G            |
| 53                                               | 5.309G            | 54   | 5.614G            | 55   | 5.464G            | 56   | 5.281G            |
| 57                                               | 5.639G            | 58   | 5.293G            | 59   | 5.424G            | 60   | 5.413G            |
| 61                                               | 5.332G            | 62   | 5.478G            | 63   | 5.305G            | 64   | 5.398G            |
| 65                                               | 5.619G            | 66   | 5.507G            | 67   | 5.642G            | 68   | 5.299G            |
| 69                                               | 5.488G            | 70   | 5.480G            | 71   | 5.396G            | 72   | 5.682G            |
| 73                                               | 5.450G            | 74   | 5.592G            | 75   | 5.403G            | 76   | 5.374G            |
| 77                                               | 5.538G            | 78   | 5.287G            | 79   | 5.282G            | 80   | 5.537G            |
| 81                                               | 5.710G            | 82   | 5.641G            | 83   | 5.615G            | 84   | 5.358G            |
| 85                                               | 5.613G            | 86   | 5.438G            | 87   | 5.346G            | 88   | 5.386G            |
| 89                                               | 5.680G            | 90   | 5.255G            | 91   | 5.486G            | 92   | 5.379G            |
| 93                                               | 5.304G            | 94   | 5.320G            | 95   | 5.446G            | 96   | 5.720G            |
| 97                                               | 5.503G            | 98   | 5.690G            | 99   | 5.269G            | 100  | 5.306G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.545G            | 2    | 5.281G            | 3    | 5.677G            | 4    | 5.635G            |
| 5                                                | 5.287G            | 6    | 5.663G            | 7    | 5.632G            | 8    | 5.290G            |
| 9                                                | 5.395G            | 10   | 5.614G            | 11   | 5.260G            | 12   | 5.396G            |
| 13                                               | 5.646G            | 14   | 5.538G            | 15   | 5.390G            | 16   | 5.611G            |
| 17                                               | 5.402G            | 18   | 5.647G            | 19   | 5.561G            | 20   | 5.397G            |
| 21                                               | 5.373G            | 22   | 5.444G            | 23   | 5.315G            | 24   | 5.300G            |
| 25                                               | 5.501G            | 26   | 5.407G            | 27   | 5.670G            | 28   | 5.514G            |
| 29                                               | 5.448G            | 30   | 5.343G            | 31   | 5.294G            | 32   | 5.382G            |
| 33                                               | 5.580G            | 34   | 5.606G            | 35   | 5.261G            | 36   | 5.329G            |
| 37                                               | 5.334G            | 38   | 5.527G            | 39   | 5.480G            | 40   | 5.666G            |
| 41                                               | 5.276G            | 42   | 5.422G            | 43   | 5.301G            | 44   | 5.639G            |
| 45                                               | 5.661G            | 46   | 5.684G            | 47   | 5.616G            | 48   | 5.369G            |
| 49                                               | 5.385G            | 50   | 5.317G            | 51   | 5.590G            | 52   | 5.253G            |
| 53                                               | 5.689G            | 54   | 5.375G            | 55   | 5.714G            | 56   | 5.693G            |
| 57                                               | 5.496G            | 58   | 5.596G            | 59   | 5.583G            | 60   | 5.529G            |
| 61                                               | 5.340G            | 62   | 5.477G            | 63   | 5.723G            | 64   | 5.656G            |
| 65                                               | 5.252G            | 66   | 5.662G            | 67   | 5.629G            | 68   | 5.622G            |
| 69                                               | 5.335G            | 70   | 5.592G            | 71   | 5.360G            | 72   | 5.333G            |
| 73                                               | 5.391G            | 74   | 5.603G            | 75   | 5.374G            | 76   | 5.665G            |
| 77                                               | 5.420G            | 78   | 5.681G            | 79   | 5.674G            | 80   | 5.368G            |
| 81                                               | 5.324G            | 82   | 5.312G            | 83   | 5.468G            | 84   | 5.319G            |
| 85                                               | 5.559G            | 86   | 5.518G            | 87   | 5.367G            | 88   | 5.275G            |
| 89                                               | 5.709G            | 90   | 5.262G            | 91   | 5.692G            | 92   | 5.582G            |
| 93                                               | 5.584G            | 94   | 5.473G            | 95   | 5.282G            | 96   | 5.331G            |
| 97                                               | 5.298G            | 98   | 5.565G            | 99   | 5.470G            | 100  | 5.626G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.475G            | 2    | 5.337G            | 3    | 5.544G            | 4    | 5.723G            |
| 5                                                | 5.509G            | 6    | 5.506G            | 7    | 5.328G            | 8    | 5.327G            |
| 9                                                | 5.260G            | 10   | 5.716G            | 11   | 5.542G            | 12   | 5.256G            |
| 13                                               | 5.441G            | 14   | 5.349G            | 15   | 5.634G            | 16   | 5.680G            |
| 17                                               | 5.545G            | 18   | 5.661G            | 19   | 5.469G            | 20   | 5.704G            |
| 21                                               | 5.478G            | 22   | 5.446G            | 23   | 5.393G            | 24   | 5.521G            |
| 25                                               | 5.400G            | 26   | 5.306G            | 27   | 5.295G            | 28   | 5.280G            |
| 29                                               | 5.367G            | 30   | 5.557G            | 31   | 5.681G            | 32   | 5.471G            |
| 33                                               | 5.573G            | 34   | 5.637G            | 35   | 5.554G            | 36   | 5.444G            |
| 37                                               | 5.292G            | 38   | 5.552G            | 39   | 5.413G            | 40   | 5.588G            |
| 41                                               | 5.252G            | 42   | 5.447G            | 43   | 5.496G            | 44   | 5.582G            |
| 45                                               | 5.502G            | 46   | 5.373G            | 47   | 5.311G            | 48   | 5.415G            |
| 49                                               | 5.354G            | 50   | 5.412G            | 51   | 5.418G            | 52   | 5.685G            |
| 53                                               | 5.267G            | 54   | 5.483G            | 55   | 5.334G            | 56   | 5.626G            |
| 57                                               | 5.368G            | 58   | 5.600G            | 59   | 5.307G            | 60   | 5.498G            |
| 61                                               | 5.428G            | 62   | 5.341G            | 63   | 5.693G            | 64   | 5.569G            |
| 65                                               | 5.495G            | 66   | 5.647G            | 67   | 5.266G            | 68   | 5.481G            |
| 69                                               | 5.624G            | 70   | 5.477G            | 71   | 5.399G            | 72   | 5.422G            |
| 73                                               | 5.452G            | 74   | 5.689G            | 75   | 5.282G            | 76   | 5.296G            |
| 77                                               | 5.344G            | 78   | 5.333G            | 79   | 5.301G            | 80   | 5.595G            |
| 81                                               | 5.503G            | 82   | 5.501G            | 83   | 5.277G            | 84   | 5.358G            |
| 85                                               | 5.253G            | 86   | 5.419G            | 87   | 5.593G            | 88   | 5.456G            |
| 89                                               | 5.673G            | 90   | 5.629G            | 91   | 5.656G            | 92   | 5.671G            |
| 93                                               | 5.375G            | 94   | 5.650G            | 95   | 5.459G            | 96   | 5.678G            |
| 97                                               | 5.635G            | 98   | 5.615G            | 99   | 5.434G            | 100  | 5.575G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.289G            | 2    | 5.560G            | 3    | 5.603G            | 4    | 5.697G            |
| 5                                                | 5.449G            | 6    | 5.529G            | 7    | 5.462G            | 8    | 5.262G            |
| 9                                                | 5.570G            | 10   | 5.701G            | 11   | 5.340G            | 12   | 5.274G            |
| 13                                               | 5.651G            | 14   | 5.673G            | 15   | 5.536G            | 16   | 5.712G            |
| 17                                               | 5.411G            | 18   | 5.566G            | 19   | 5.686G            | 20   | 5.376G            |
| 21                                               | 5.717G            | 22   | 5.531G            | 23   | 5.692G            | 24   | 5.295G            |
| 25                                               | 5.611G            | 26   | 5.719G            | 27   | 5.661G            | 28   | 5.667G            |
| 29                                               | 5.311G            | 30   | 5.470G            | 31   | 5.287G            | 32   | 5.561G            |
| 33                                               | 5.316G            | 34   | 5.517G            | 35   | 5.286G            | 36   | 5.604G            |
| 37                                               | 5.556G            | 38   | 5.398G            | 39   | 5.446G            | 40   | 5.350G            |
| 41                                               | 5.282G            | 42   | 5.380G            | 43   | 5.549G            | 44   | 5.480G            |
| 45                                               | 5.522G            | 46   | 5.408G            | 47   | 5.623G            | 48   | 5.416G            |
| 49                                               | 5.263G            | 50   | 5.352G            | 51   | 5.621G            | 52   | 5.674G            |
| 53                                               | 5.714G            | 54   | 5.644G            | 55   | 5.665G            | 56   | 5.412G            |
| 57                                               | 5.305G            | 58   | 5.315G            | 59   | 5.710G            | 60   | 5.251G            |
| 61                                               | 5.471G            | 62   | 5.302G            | 63   | 5.357G            | 64   | 5.575G            |
| 65                                               | 5.432G            | 66   | 5.630G            | 67   | 5.456G            | 68   | 5.720G            |
| 69                                               | 5.707G            | 70   | 5.513G            | 71   | 5.303G            | 72   | 5.330G            |
| 73                                               | 5.482G            | 74   | 5.296G            | 75   | 5.595G            | 76   | 5.457G            |
| 77                                               | 5.297G            | 78   | 5.371G            | 79   | 5.632G            | 80   | 5.643G            |
| 81                                               | 5.540G            | 82   | 5.687G            | 83   | 5.310G            | 84   | 5.684G            |
| 85                                               | 5.721G            | 86   | 5.658G            | 87   | 5.465G            | 88   | 5.341G            |
| 89                                               | 5.553G            | 90   | 5.506G            | 91   | 5.563G            | 92   | 5.463G            |
| 93                                               | 5.691G            | 94   | 5.417G            | 95   | 5.481G            | 96   | 5.472G            |
| 97                                               | 5.581G            | 98   | 5.500G            | 99   | 5.304G            | 100  | 5.568G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.388G            | 2    | 5.252G            | 3    | 5.315G            | 4    | 5.290G            |
| 5                                                | 5.590G            | 6    | 5.638G            | 7    | 5.636G            | 8    | 5.550G            |
| 9                                                | 5.335G            | 10   | 5.642G            | 11   | 5.254G            | 12   | 5.566G            |
| 13                                               | 5.549G            | 14   | 5.640G            | 15   | 5.279G            | 16   | 5.499G            |
| 17                                               | 5.649G            | 18   | 5.267G            | 19   | 5.491G            | 20   | 5.587G            |
| 21                                               | 5.712G            | 22   | 5.309G            | 23   | 5.393G            | 24   | 5.260G            |
| 25                                               | 5.416G            | 26   | 5.271G            | 27   | 5.293G            | 28   | 5.366G            |
| 29                                               | 5.596G            | 30   | 5.446G            | 31   | 5.594G            | 32   | 5.624G            |
| 33                                               | 5.438G            | 34   | 5.343G            | 35   | 5.319G            | 36   | 5.313G            |
| 37                                               | 5.310G            | 38   | 5.341G            | 39   | 5.650G            | 40   | 5.263G            |
| 41                                               | 5.560G            | 42   | 5.403G            | 43   | 5.580G            | 44   | 5.508G            |
| 45                                               | 5.265G            | 46   | 5.272G            | 47   | 5.684G            | 48   | 5.479G            |
| 49                                               | 5.456G            | 50   | 5.701G            | 51   | 5.277G            | 52   | 5.620G            |
| 53                                               | 5.588G            | 54   | 5.289G            | 55   | 5.258G            | 56   | 5.611G            |
| 57                                               | 5.327G            | 58   | 5.300G            | 59   | 5.405G            | 60   | 5.564G            |
| 61                                               | 5.628G            | 62   | 5.409G            | 63   | 5.670G            | 64   | 5.255G            |
| 65                                               | 5.529G            | 66   | 5.497G            | 67   | 5.326G            | 68   | 5.496G            |
| 69                                               | 5.711G            | 70   | 5.717G            | 71   | 5.357G            | 72   | 5.724G            |
| 73                                               | 5.526G            | 74   | 5.618G            | 75   | 5.274G            | 76   | 5.441G            |
| 77                                               | 5.678G            | 78   | 5.544G            | 79   | 5.614G            | 80   | 5.418G            |
| 81                                               | 5.386G            | 82   | 5.721G            | 83   | 5.668G            | 84   | 5.379G            |
| 85                                               | 5.463G            | 86   | 5.396G            | 87   | 5.664G            | 88   | 5.353G            |
| 89                                               | 5.703G            | 90   | 5.298G            | 91   | 5.644G            | 92   | 5.307G            |
| 93                                               | 5.509G            | 94   | 5.553G            | 95   | 5.681G            | 96   | 5.589G            |
| 97                                               | 5.513G            | 98   | 5.547G            | 99   | 5.527G            | 100  | 5.295G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.351G            | 2    | 5.612G            | 3    | 5.484G            | 4    | 5.268G            |
| 5                                                | 5.493G            | 6    | 5.636G            | 7    | 5.631G            | 8    | 5.693G            |
| 9                                                | 5.284G            | 10   | 5.413G            | 11   | 5.451G            | 12   | 5.706G            |
| 13                                               | 5.580G            | 14   | 5.382G            | 15   | 5.683G            | 16   | 5.344G            |
| 17                                               | 5.712G            | 18   | 5.288G            | 19   | 5.355G            | 20   | 5.361G            |
| 21                                               | 5.460G            | 22   | 5.305G            | 23   | 5.584G            | 24   | 5.594G            |
| 25                                               | 5.336G            | 26   | 5.358G            | 27   | 5.633G            | 28   | 5.335G            |
| 29                                               | 5.696G            | 30   | 5.386G            | 31   | 5.267G            | 32   | 5.517G            |
| 33                                               | 5.289G            | 34   | 5.489G            | 35   | 5.313G            | 36   | 5.568G            |
| 37                                               | 5.271G            | 38   | 5.514G            | 39   | 5.605G            | 40   | 5.511G            |
| 41                                               | 5.473G            | 42   | 5.270G            | 43   | 5.446G            | 44   | 5.626G            |
| 45                                               | 5.596G            | 46   | 5.378G            | 47   | 5.718G            | 48   | 5.582G            |
| 49                                               | 5.505G            | 50   | 5.297G            | 51   | 5.573G            | 52   | 5.672G            |
| 53                                               | 5.603G            | 54   | 5.639G            | 55   | 5.640G            | 56   | 5.346G            |
| 57                                               | 5.688G            | 58   | 5.678G            | 59   | 5.258G            | 60   | 5.657G            |
| 61                                               | 5.668G            | 62   | 5.512G            | 63   | 5.450G            | 64   | 5.254G            |
| 65                                               | 5.327G            | 66   | 5.308G            | 67   | 5.320G            | 68   | 5.434G            |
| 69                                               | 5.454G            | 70   | 5.495G            | 71   | 5.326G            | 72   | 5.457G            |
| 73                                               | 5.458G            | 74   | 5.577G            | 75   | 5.667G            | 76   | 5.622G            |
| 77                                               | 5.647G            | 78   | 5.274G            | 79   | 5.364G            | 80   | 5.628G            |
| 81                                               | 5.585G            | 82   | 5.620G            | 83   | 5.250G            | 84   | 5.609G            |
| 85                                               | 5.474G            | 86   | 5.420G            | 87   | 5.390G            | 88   | 5.638G            |
| 89                                               | 5.311G            | 90   | 5.463G            | 91   | 5.713G            | 92   | 5.412G            |
| 93                                               | 5.499G            | 94   | 5.306G            | 95   | 5.348G            | 96   | 5.279G            |
| 97                                               | 5.572G            | 98   | 5.559G            | 99   | 5.275G            | 100  | 5.680G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.673G            | 2    | 5.315G            | 3    | 5.496G            | 4    | 5.668G            |
| 5                                                | 5.371G            | 6    | 5.565G            | 7    | 5.279G            | 8    | 5.577G            |
| 9                                                | 5.487G            | 10   | 5.664G            | 11   | 5.641G            | 12   | 5.649G            |
| 13                                               | 5.386G            | 14   | 5.545G            | 15   | 5.687G            | 16   | 5.393G            |
| 17                                               | 5.455G            | 18   | 5.467G            | 19   | 5.480G            | 20   | 5.642G            |
| 21                                               | 5.362G            | 22   | 5.602G            | 23   | 5.704G            | 24   | 5.499G            |
| 25                                               | 5.260G            | 26   | 5.591G            | 27   | 5.357G            | 28   | 5.605G            |
| 29                                               | 5.459G            | 30   | 5.403G            | 31   | 5.328G            | 32   | 5.586G            |
| 33                                               | 5.651G            | 34   | 5.520G            | 35   | 5.684G            | 36   | 5.384G            |
| 37                                               | 5.677G            | 38   | 5.601G            | 39   | 5.259G            | 40   | 5.251G            |
| 41                                               | 5.502G            | 42   | 5.432G            | 43   | 5.346G            | 44   | 5.648G            |
| 45                                               | 5.353G            | 46   | 5.612G            | 47   | 5.283G            | 48   | 5.718G            |
| 49                                               | 5.321G            | 50   | 5.349G            | 51   | 5.369G            | 52   | 5.627G            |
| 53                                               | 5.524G            | 54   | 5.708G            | 55   | 5.381G            | 56   | 5.274G            |
| 57                                               | 5.544G            | 58   | 5.409G            | 59   | 5.611G            | 60   | 5.380G            |
| 61                                               | 5.580G            | 62   | 5.498G            | 63   | 5.468G            | 64   | 5.257G            |
| 65                                               | 5.584G            | 66   | 5.266G            | 67   | 5.509G            | 68   | 5.629G            |
| 69                                               | 5.305G            | 70   | 5.324G            | 71   | 5.395G            | 72   | 5.676G            |
| 73                                               | 5.533G            | 74   | 5.688G            | 75   | 5.449G            | 76   | 5.388G            |
| 77                                               | 5.703G            | 78   | 5.603G            | 79   | 5.262G            | 80   | 5.686G            |
| 81                                               | 5.394G            | 82   | 5.661G            | 83   | 5.450G            | 84   | 5.342G            |
| 85                                               | 5.355G            | 86   | 5.483G            | 87   | 5.540G            | 88   | 5.538G            |
| 89                                               | 5.401G            | 90   | 5.276G            | 91   | 5.526G            | 92   | 5.400G            |
| 93                                               | 5.457G            | 94   | 5.654G            | 95   | 5.559G            | 96   | 5.377G            |
| 97                                               | 5.513G            | 98   | 5.678G            | 99   | 5.549G            | 100  | 5.301G            |