

## DFS Test Report

**Report No.:** RF161229C25G-1

**FCC ID:** PY317400404

**Test Model:** RBR40

**Series Model:** RBS40

**Received Date:** Dec. 22, 2016

**Test Date:** Jul. 05 ~ Jul. 10, 2017

**Issued Date:** Feb. 02, 2018

**Applicant:** NETGEAR, INC.

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

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

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### Release Control Record

| Issue No.      | Description       | Date Issued   |
|----------------|-------------------|---------------|
| RF161229C25G-1 | Original release. | Feb. 02, 2018 |

## 1 Certificate of Conformity

**Product:** Orbi Router, Orbi Satellite

**Brand:** NETGEAR

**Test Model:** RBR40

**Series Model:** RBS40

**Sample Status:** Engineering sample

**Applicant:** NETGEAR, INC.

**Test Date:** Jul. 05 ~ Jul. 10, 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 :**  , **Date:** Feb. 02, 2018  
Pettie Chen / Senior Specialist

**Approved by :**  , **Date:** Feb. 02, 2018  
Bruce Chen / Project Engineer

## 2 EUT Information

### 2.1 Operating Frequency Bands and Mode of EUT

Table 1: Operating Frequency Bands and Mode of EUT

#### RBR40

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

#### RBS40

| 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        | Model No. | Software/Firmware Version          |
|-----|----------------|-----------|------------------------------------|
| 1   | Orbi Router    | RBR40     | Firmware Version: V1.4.0.12-dfs-14 |
| 2   | Orbi Satellite | RBS40     | Firmware Version: V1.4.0.12-dfs-14 |

### 2.3 Description of Available Antennas to The EUT

Table 3: Antenna List

| ANT No. | Antenna Type | Operation Frequency Range (MHz) | Gain (dBi) |
|---------|--------------|---------------------------------|------------|
| 1       | Dipole       | 5250-5350                       | 3.56       |
| 1       | Dipole       | 5470-5725                       | 3.49       |
| 2       | Dipole       | 5250-5350                       | 3.53       |
| 2       | Dipole       | 5470-5725                       | 3.51       |

For U-NII-2A: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/2] = 6.56\text{dBi}$   
For U-NII-2C: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/2] = 6.51\text{dBi}$

## 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            | 23.68             | 233.401          |
| 5470~5725            | 23.53             | 225.510          |

### 802.11n HT20

| Frequency Band (MHz) | MAX. Power        |                  |
|----------------------|-------------------|------------------|
|                      | Output Power(dBm) | Output Power(mW) |
| 5250~5350            | 23.50             | 223.738          |
| 5470~5725            | 23.67             | 232.855          |

### 802.11n HT40

| Frequency Band (MHz) | MAX. Power        |                  |
|----------------------|-------------------|------------------|
|                      | Output Power(dBm) | Output Power(mW) |
| 5250~5350            | 23.61             | 229.422          |
| 5470~5725            | 23.55             | 226.299          |

### 802.11ac VHT80

| Frequency Band (MHz) | MAX. Power        |                  |
|----------------------|-------------------|------------------|
|                      | Output Power(dBm) | Output Power(mW) |
| 5250~5350            | 22.56             | 180.395          |
| 5470~5725            | 23.26             | 212.053          |

## Beamforming Mode

### 802.11n HT20

| Frequency Band (MHz) | MAX. Power        |                  |
|----------------------|-------------------|------------------|
|                      | Output Power(dBm) | Output Power(mW) |
| 5250~5350            | 23.42             | 219.786          |
| 5470~5725            | 23.43             | 220.293          |

### 802.11n HT40

| Frequency Band (MHz) | MAX. Power        |                  |
|----------------------|-------------------|------------------|
|                      | Output Power(dBm) | Output Power(mW) |
| 5250~5350            | 23.37             | 217.270          |
| 5470~5725            | 23.47             | 222.331          |

### 802.11ac VHT80

| Frequency Band (MHz) | MAX. Power        |                  |
|----------------------|-------------------|------------------|
|                      | Output Power(dBm) | Output Power(mW) |
| 5250~5350            | 22.56             | 180.395          |
| 5470~5725            | 23.26             | 212.053          |

## 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            | 27.24             | 529.663          |
| 5470~5725            | 27.04             | 505.825          |

#### 802.11n HT20

| Frequency Band (MHz) | MAX. Power        |                  |
|----------------------|-------------------|------------------|
|                      | Output Power(dBm) | Output Power(mW) |
| 5250~5350            | 27.90             | 616.595          |
| 5470~5725            | 29.37             | 864.968          |

#### 802.11n HT40

| Frequency Band (MHz) | MAX. Power        |                  |
|----------------------|-------------------|------------------|
|                      | Output Power(dBm) | Output Power(mW) |
| 5250~5350            | 28.01             | 632.412          |
| 5470~5725            | 29.25             | 841.395          |

#### 802.11ac VHT80

| Frequency Band (MHz) | MAX. Power        |                  |
|----------------------|-------------------|------------------|
|                      | Output Power(dBm) | Output Power(mW) |
| 5250~5350            | 26.96             | 496.592          |
| 5470~5725            | 28.96             | 787.046          |



## Beamforming Mode

### 802.11n HT20

| Frequency Band (MHz) | MAX. Power        |                  |
|----------------------|-------------------|------------------|
|                      | Output Power(dBm) | Output Power(mW) |
| 5250~5350            | 29.93             | 984.011          |
| 5470~5725            | 29.94             | 986.279          |

### 802.11n HT40

| Frequency Band (MHz) | MAX. Power        |                  |
|----------------------|-------------------|------------------|
|                      | Output Power(dBm) | Output Power(mW) |
| 5250~5350            | 29.88             | 972.747          |
| 5470~5725            | 29.98             | 995.405          |

### 802.11ac VHT80

| Frequency Band (MHz) | MAX. Power        |                  |
|----------------------|-------------------|------------------|
|                      | Output Power(dBm) | Output Power(mW) |
| 5250~5350            | 29.07             | 807.235          |
| 5470~5725            | 29.77             | 948.418          |

## 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.

| Applicable | 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 |

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 UUT is capable of operating as a Master and/or a Client. If the UUT 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            | ✓                | ✓ <small>note</small>          | ✓                           |
| DFS Detection Threshold         | ✓                | Not required                   | ✓                           |
| Channel Availability Check Time | ✓                | Not required                   | Not required                |
| U-NII Detection Bandwidth       | ✓                | Not required                   | ✓                           |

Note: Per KDB 905462 D03 UNII Clients Without Radar Detection New Rules v01r02 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 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 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 $\left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{PRI_{\mu sec}} \right) \right\}$ | 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

For 5250~5350MHz:

Table 14: Support Unit Information.

| No. | Product          | Brand   | Model No. | FCC ID      |
|-----|------------------|---------|-----------|-------------|
| 1   | WiFi USB Adapter | NETGEAR | A6210     | PY313400249 |

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

For 5470~5725MHz:

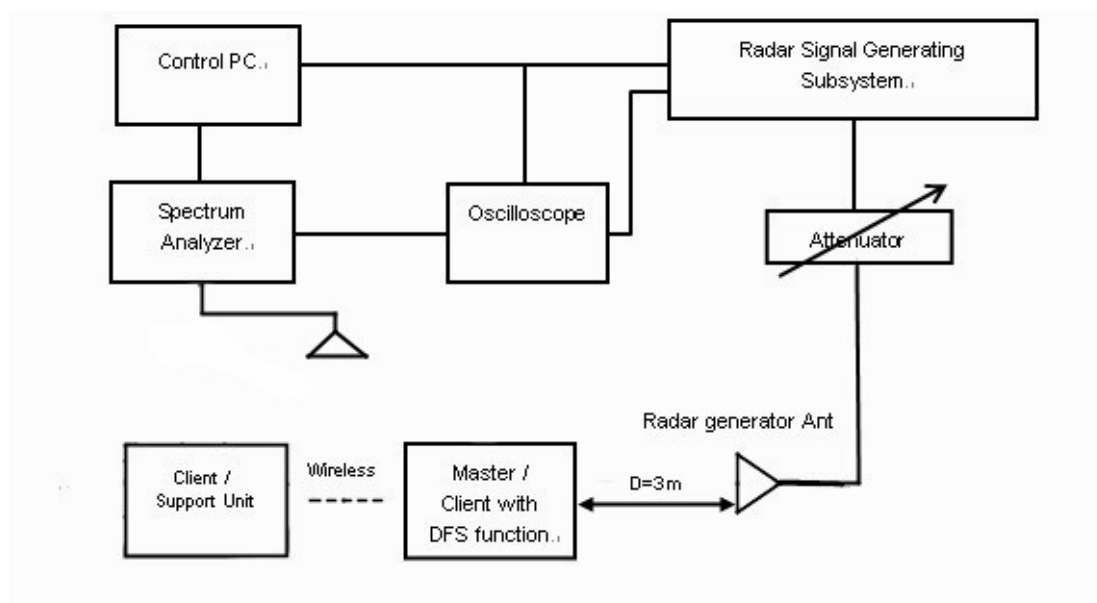
This EUT was functioned as a Master & Slave device during the DFS test.

## 5. Test Procedure

### 5.1 DFS Measurement System

A complete 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 unit under test (UUT).

#### Radiated Setup Configuration of 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:

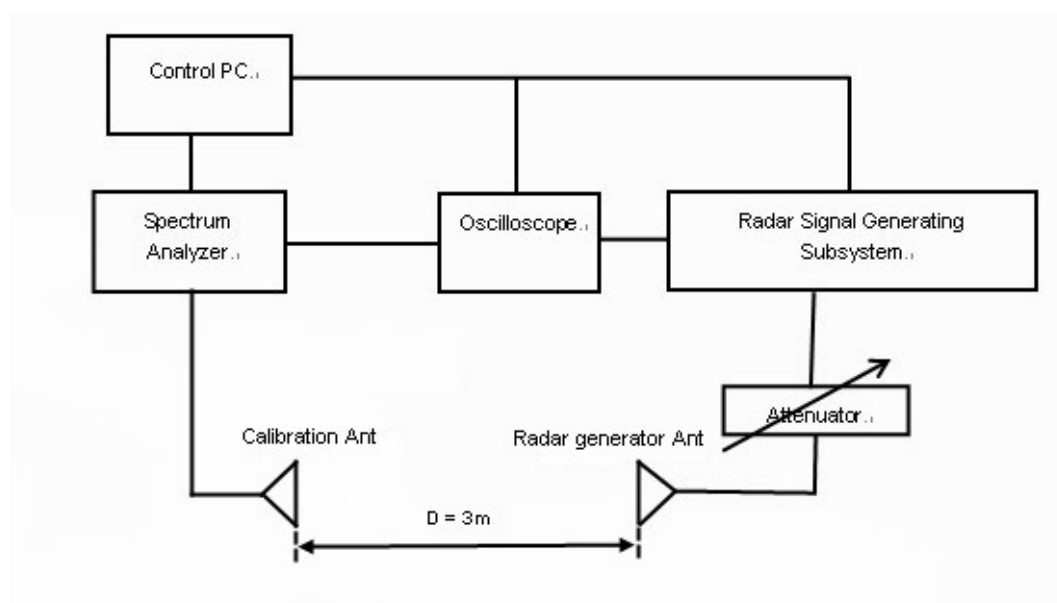
|   |                                                                                                                                                                            |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | 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 5290 MHz, 5500MHz, 5510MHz and 5530MHz. 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 conducted 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

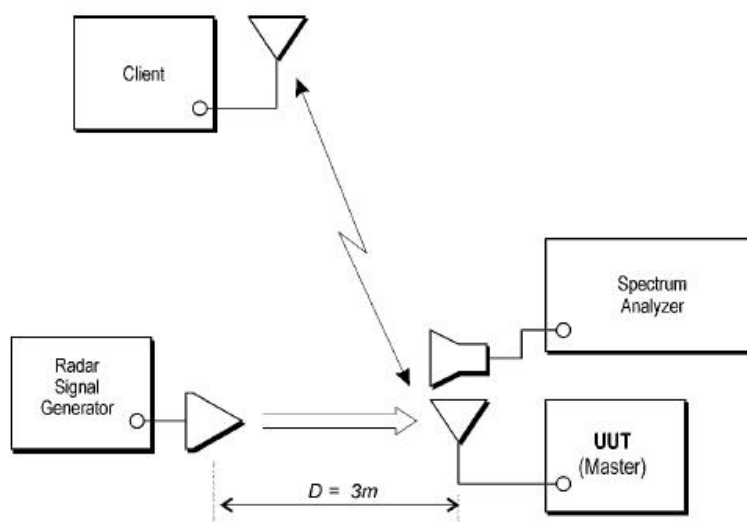


## 5.3 Deviation from Test Standard

No deviation.

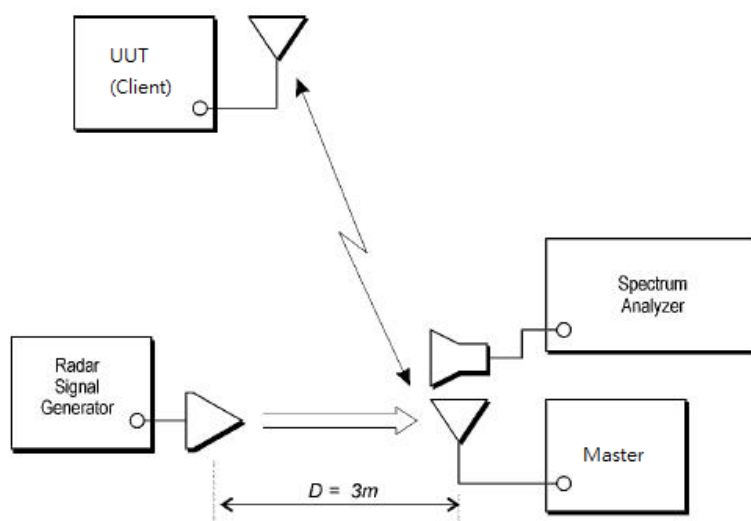
## 5.4 Radiated Test Setup Configuration

### 5.4.1 Master Mode for RBR40 & RBS40



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 for RBS40



The UUT 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

| 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: Master

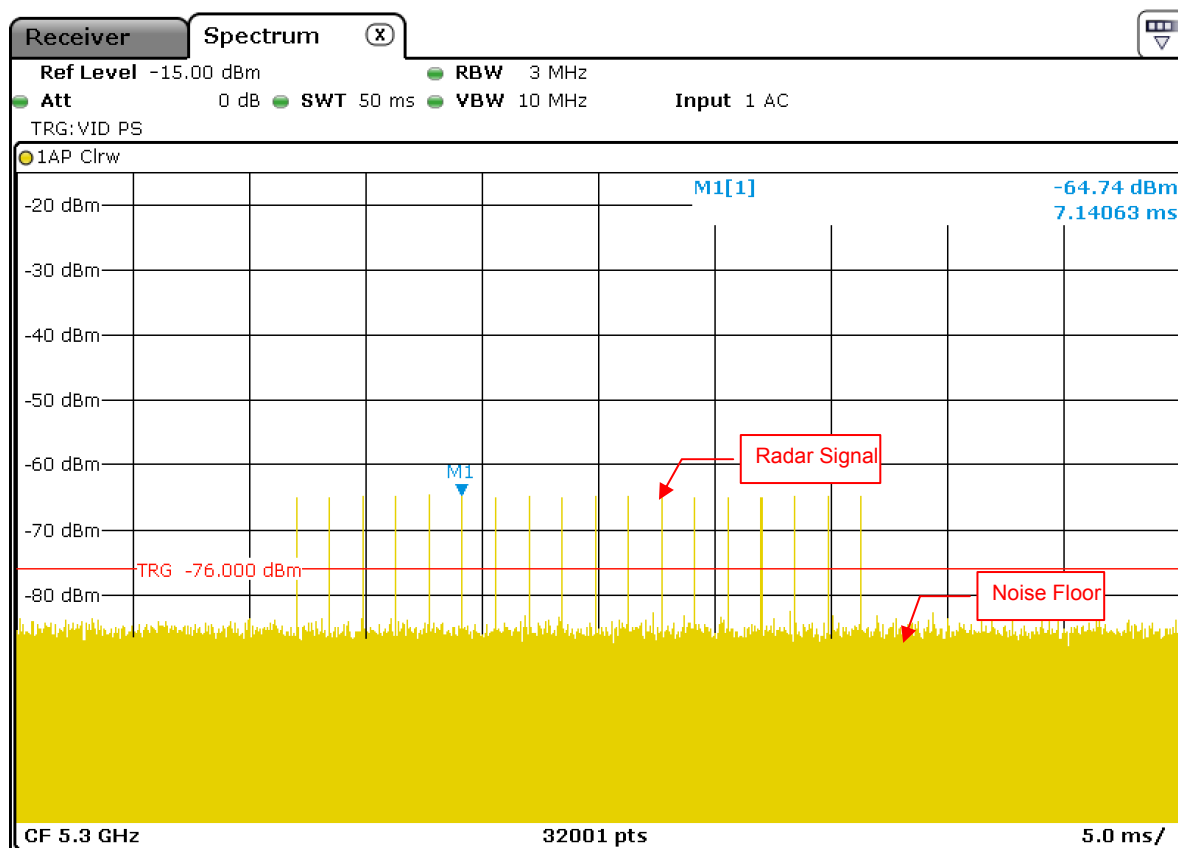
### 6.2.1 Test Mode

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

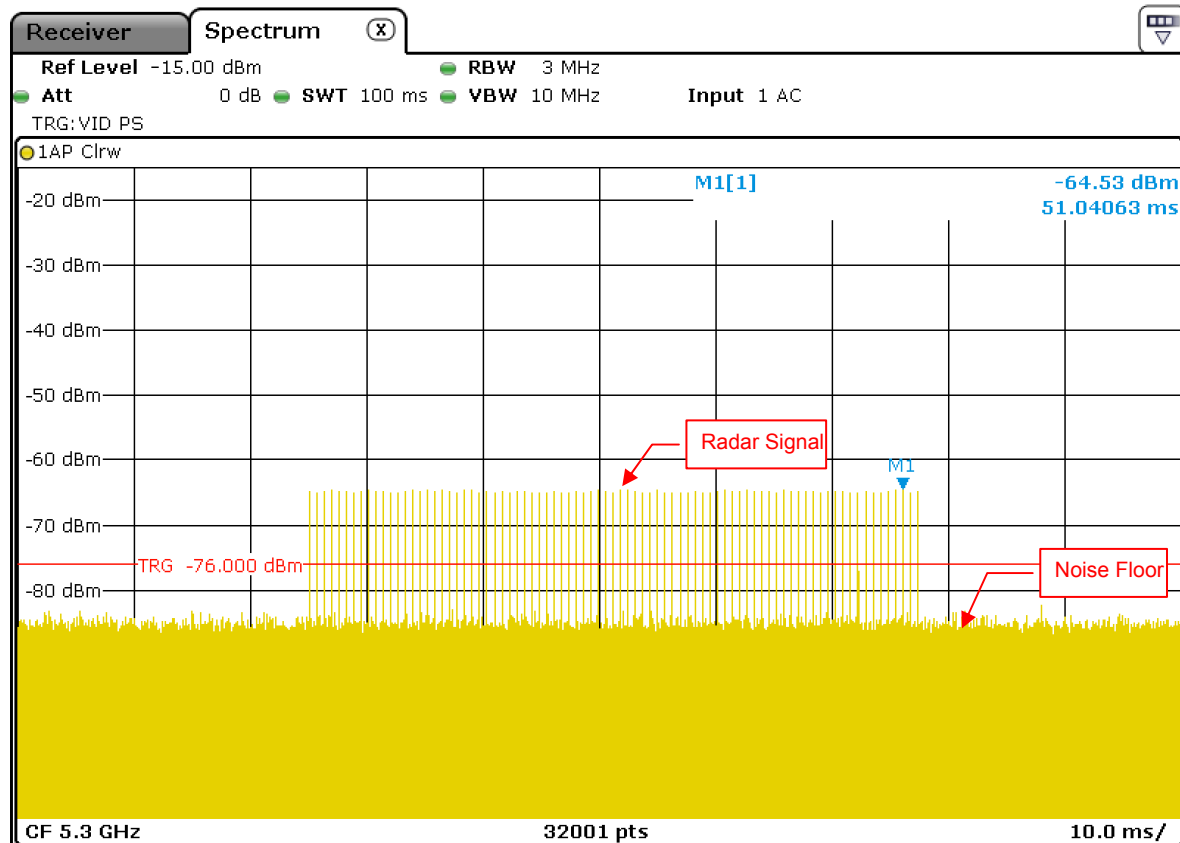
The modulation and bandwidth are similar for 802.11n mode for HT20 / HT40 and 802.11ac mode for VHT20 / VHT40, therefore investigated worst case for final test were chosen 802.11ac (VHT20/VHT40) and record in test report.

#### For 5250~5350MHz DFS Detection Threshold

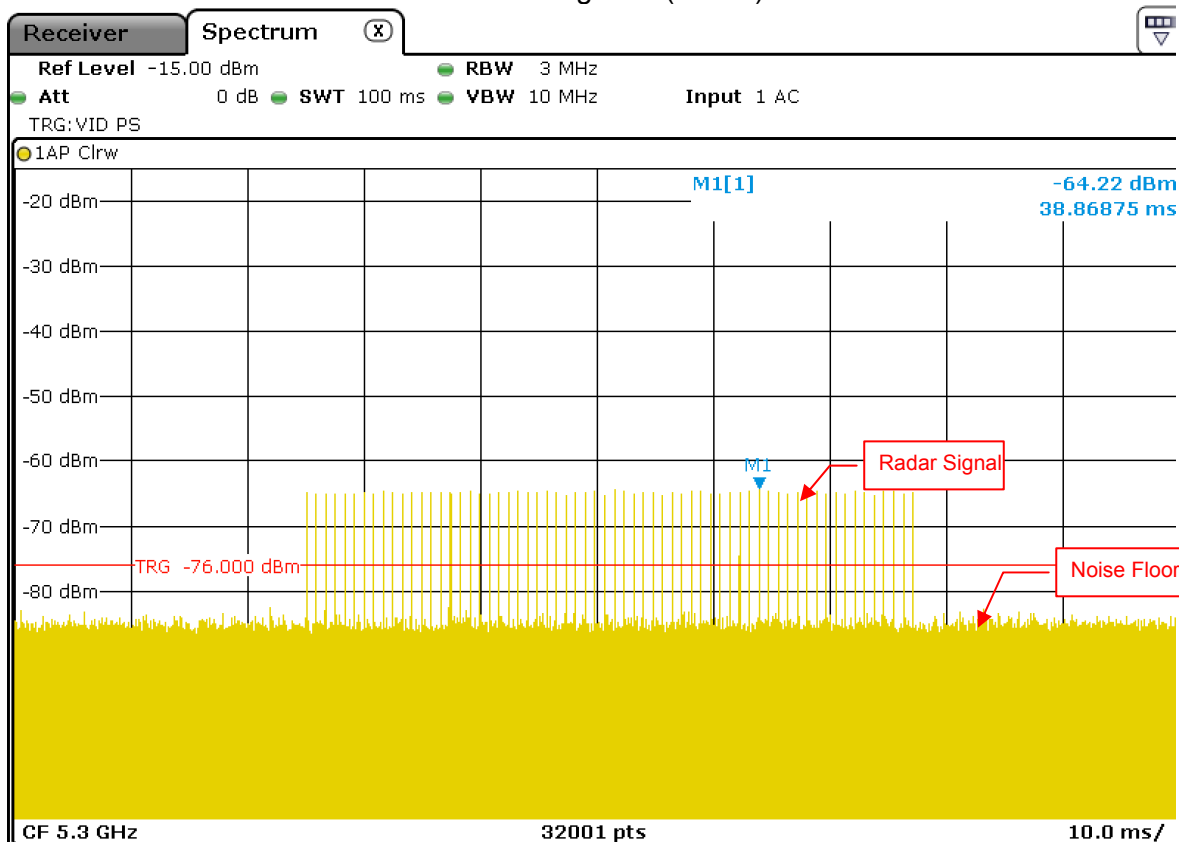
For a detection threshold level of -64dBm, the required signal strength at EUT antenna location is -64 dBm. The tested level is lower than required level hence it provides margin to the limit.



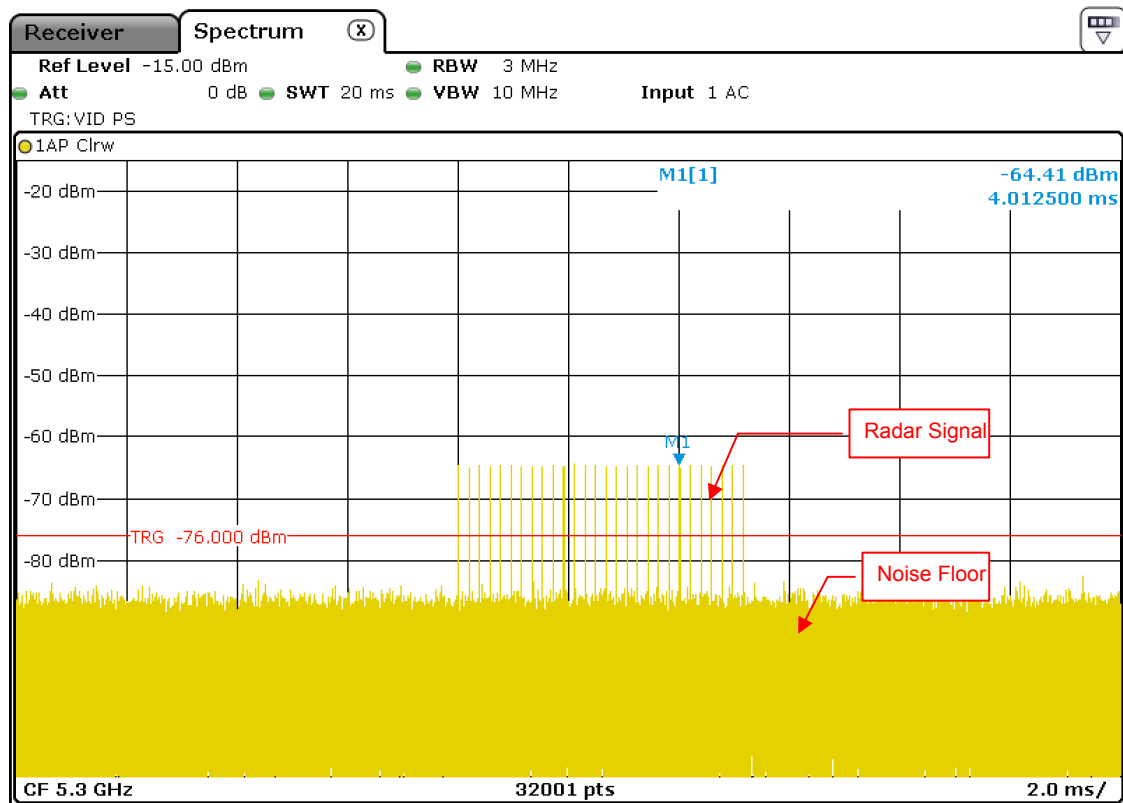
Radar Signal 0



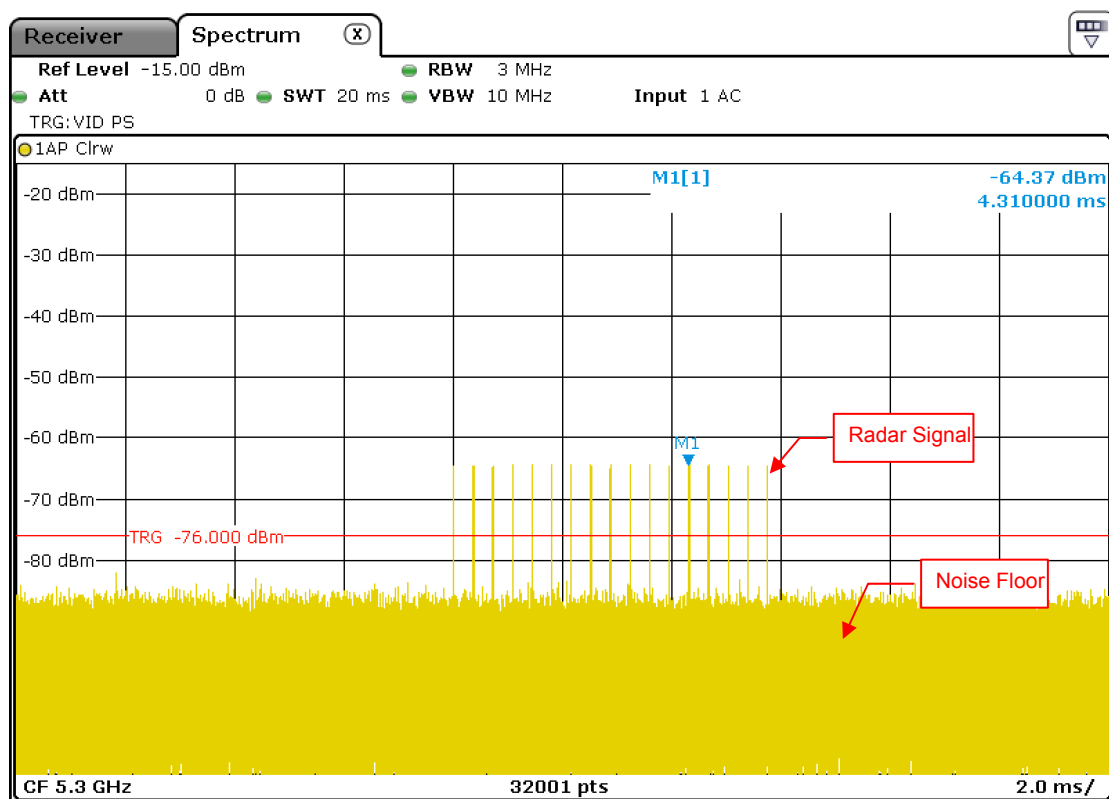
Radar Signal 1 (Test A)



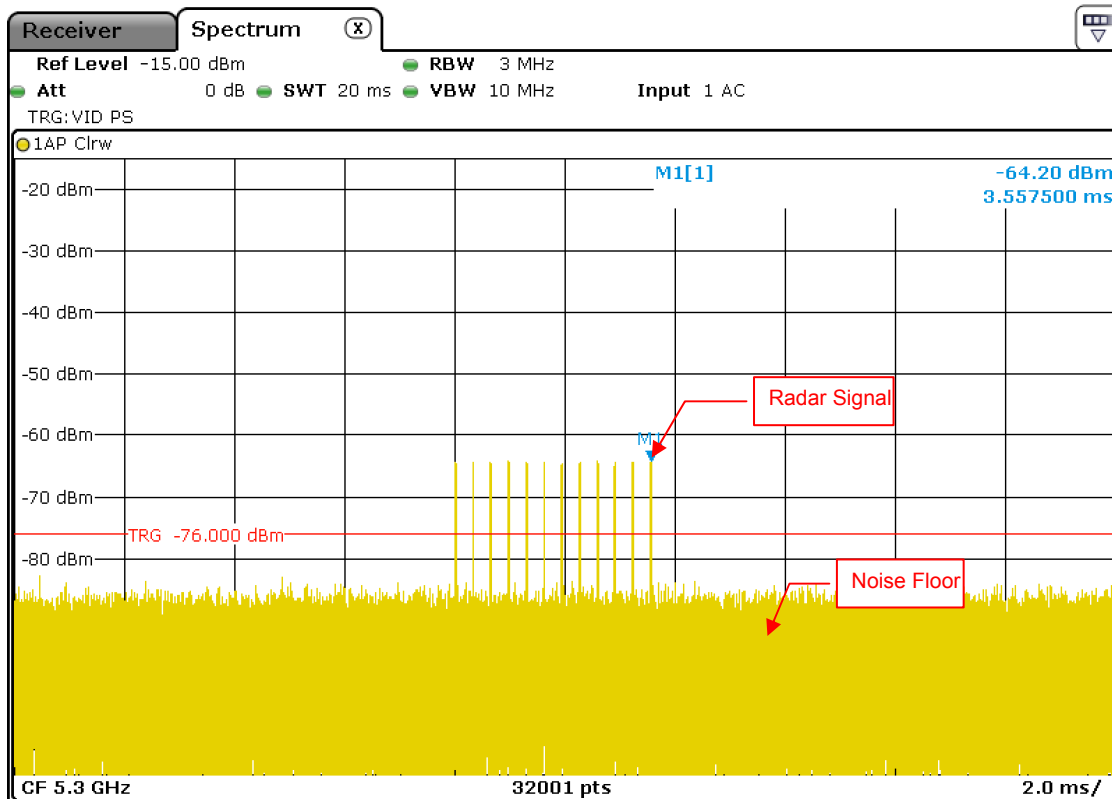
Radar Signal 1 (Test B)



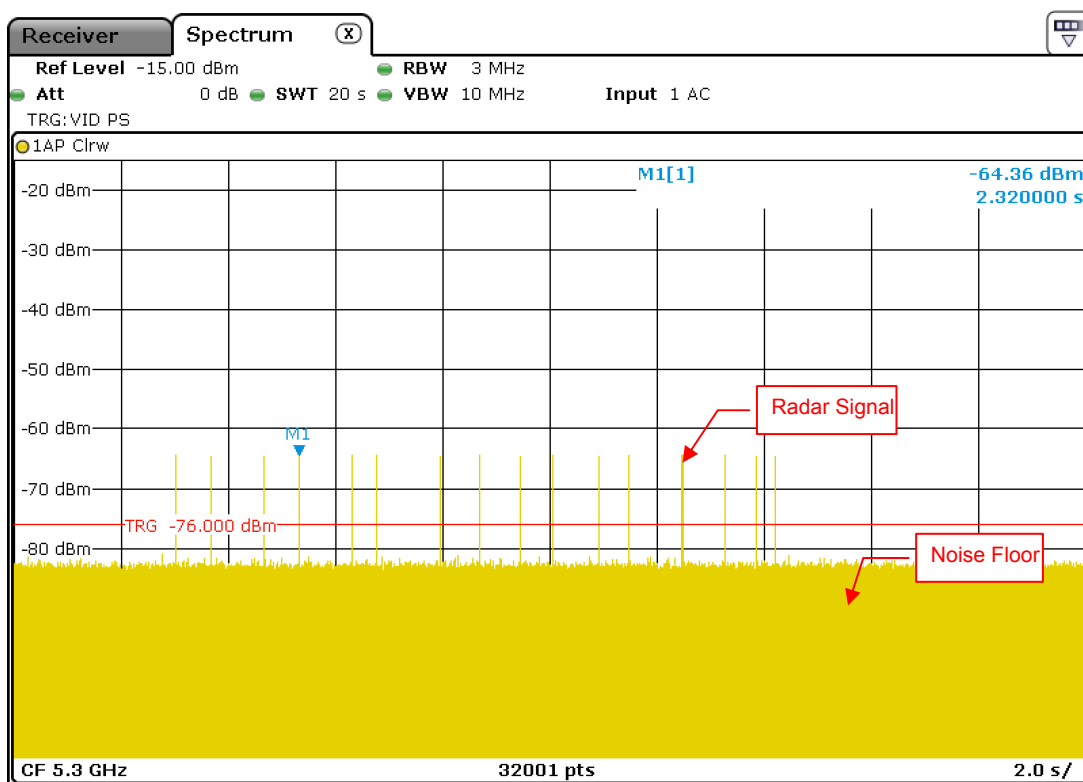
Radar Signal 2



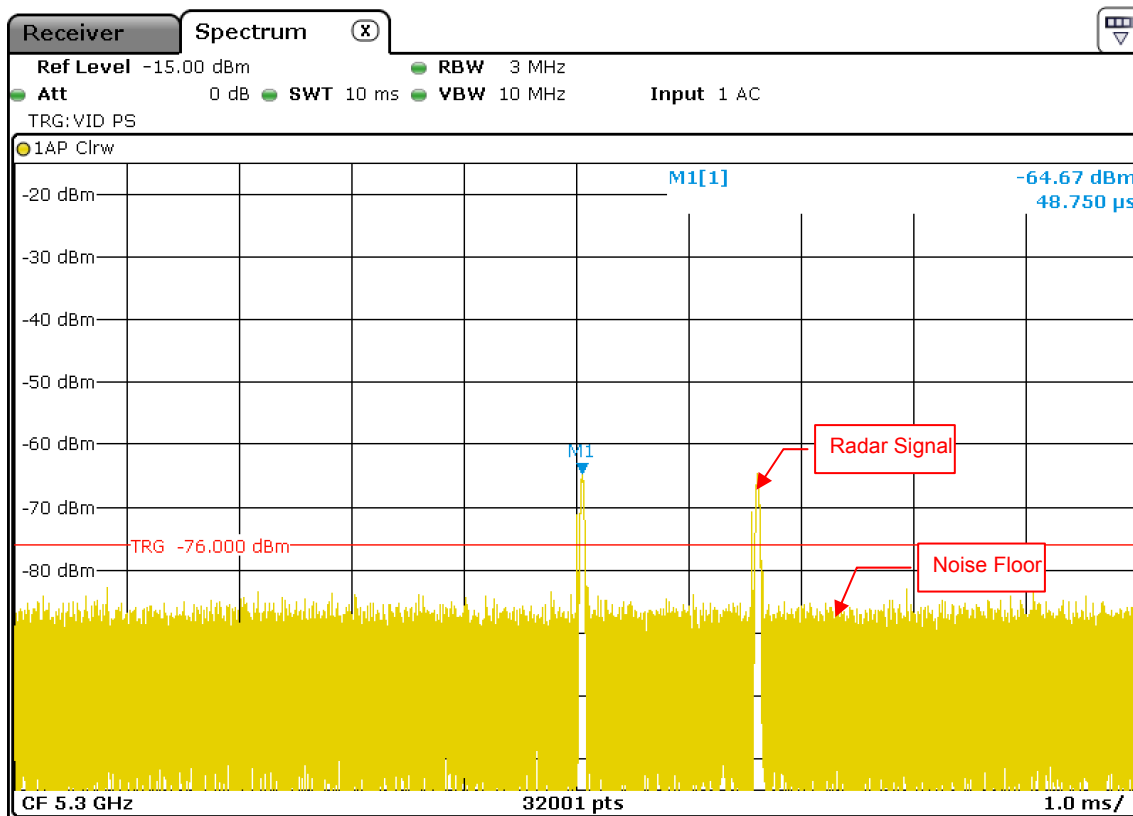
Radar Signal 3



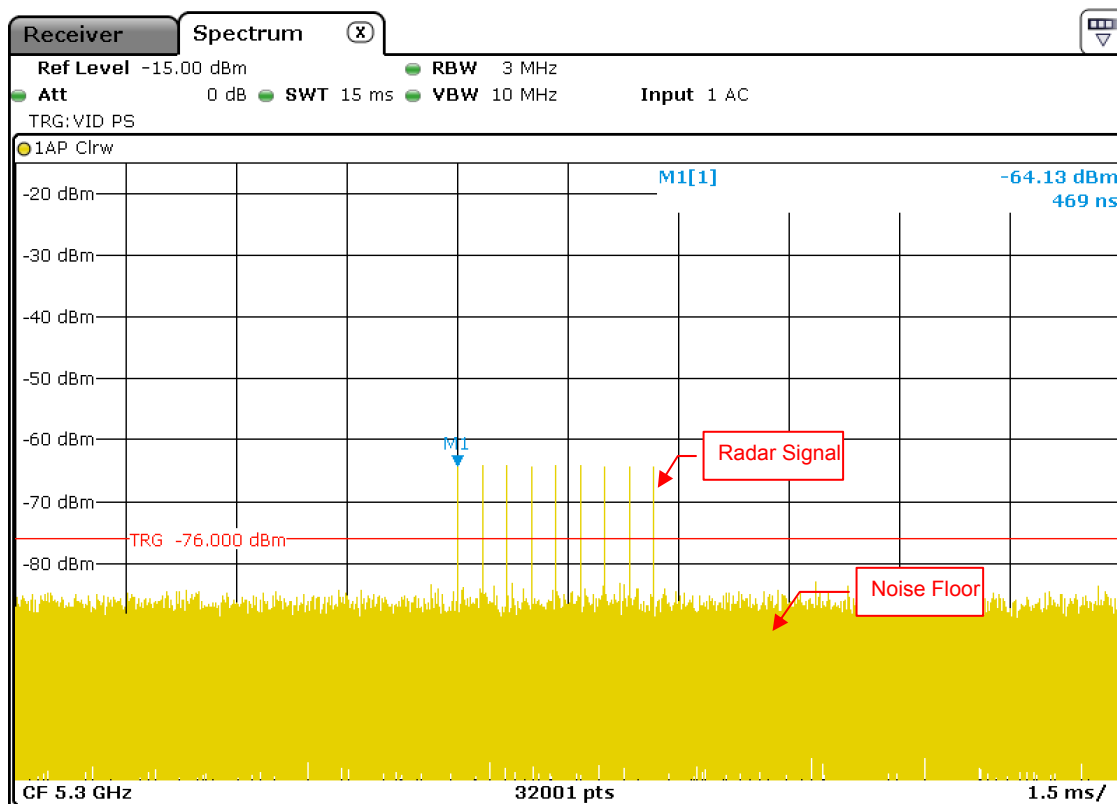
Radar Signal 4



Radar Signal 5



Single Burst of Radar Signal 5



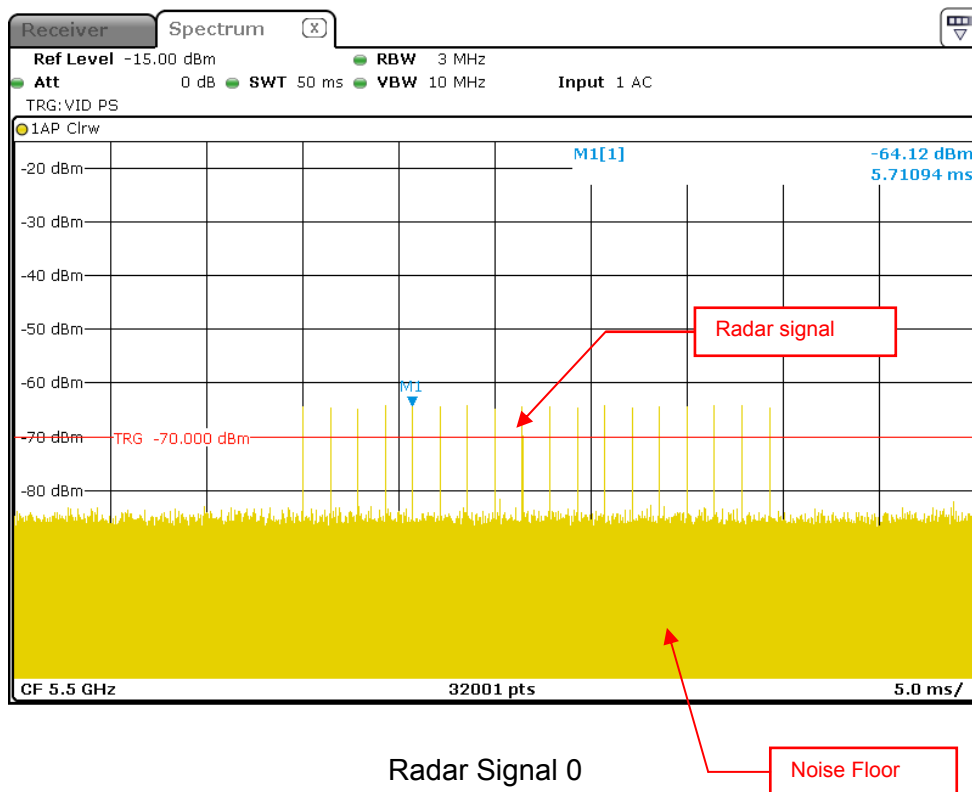
Radar Signal 6



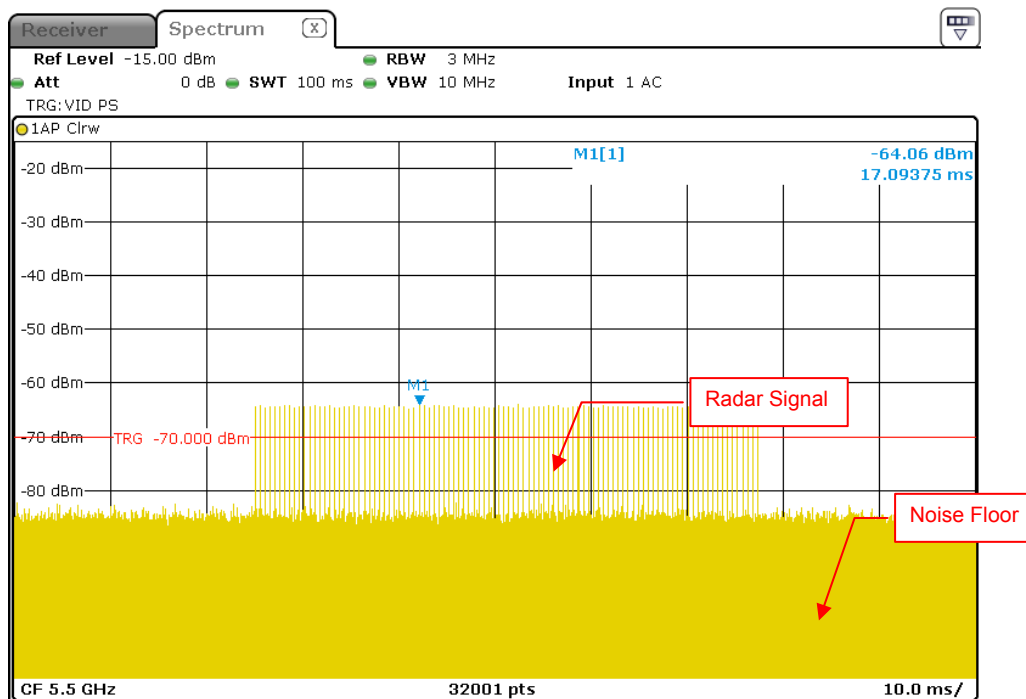
## For 5470~5725MHz

### DFS Detection Threshold

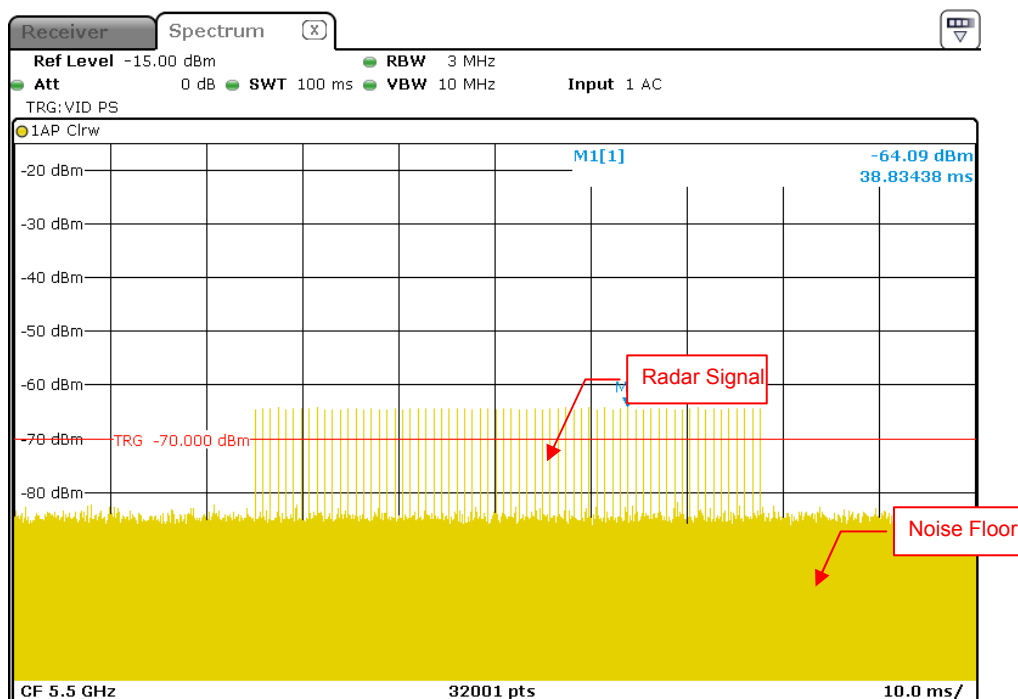
For detection threshold level of -64dBm, the required Radar Signal at antenna port was set to -64dBm. The tested level is lower than required level for 1dB, hence it provides margin to the limit.



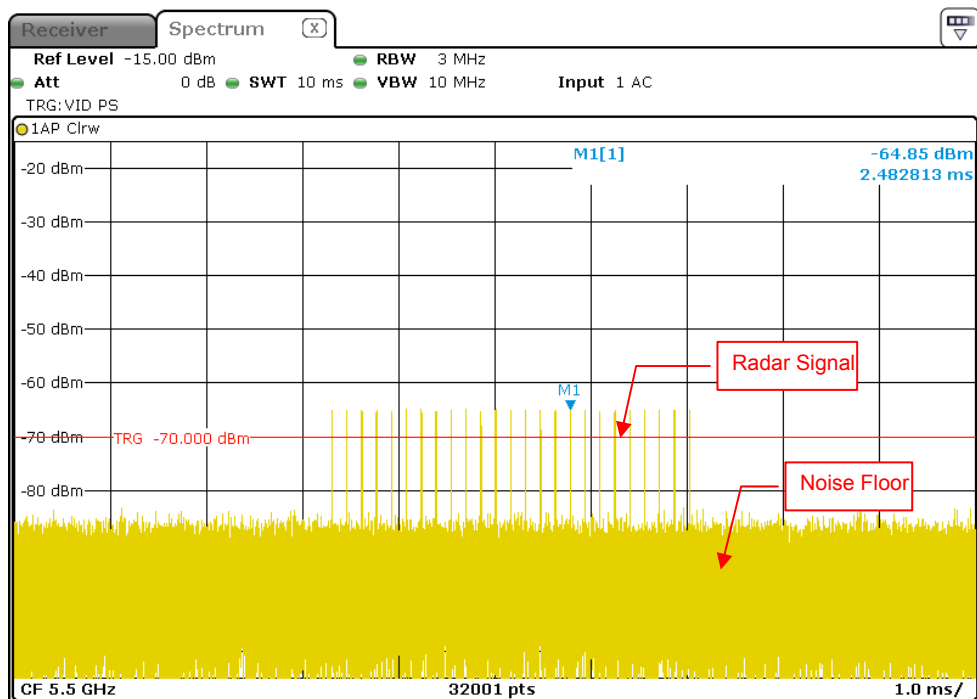
Radar Signal 0



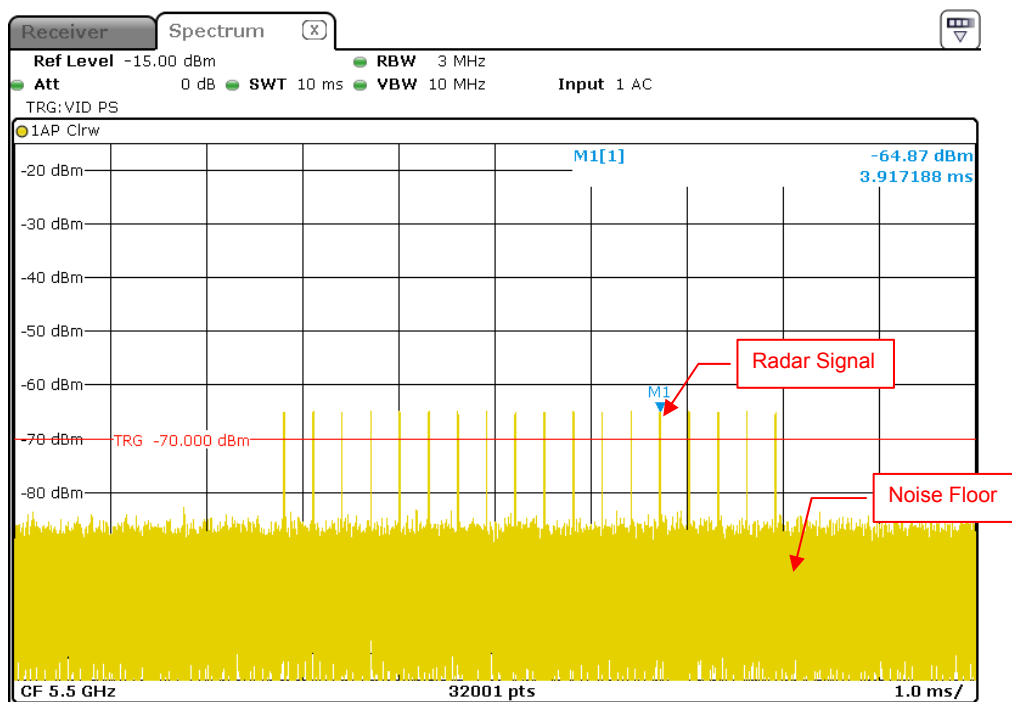
Radar Signal 1 (Test A)



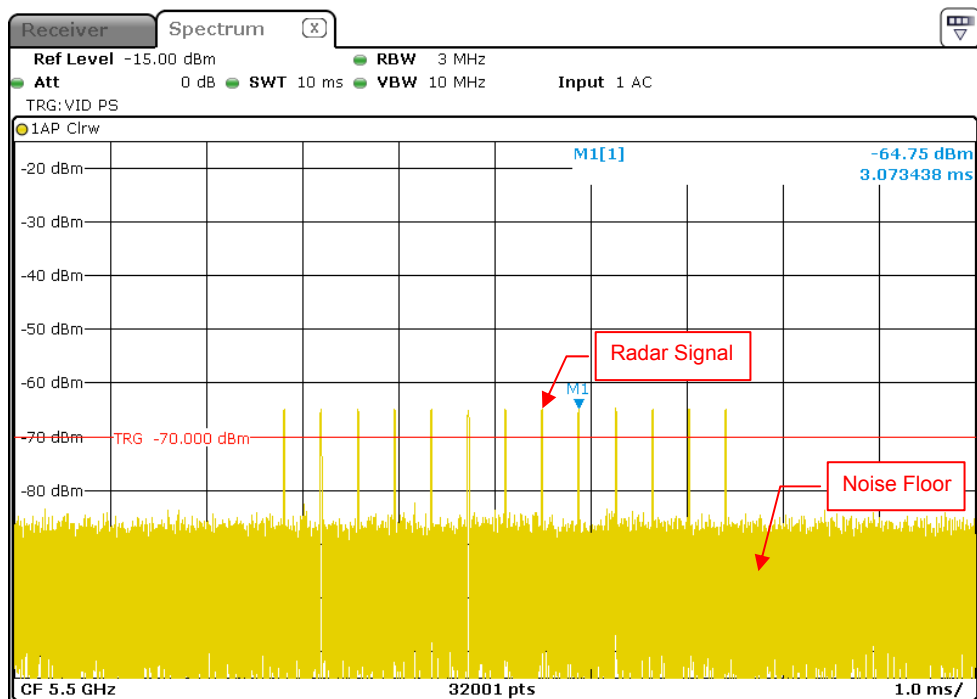
Radar Signal 1 (Test B)



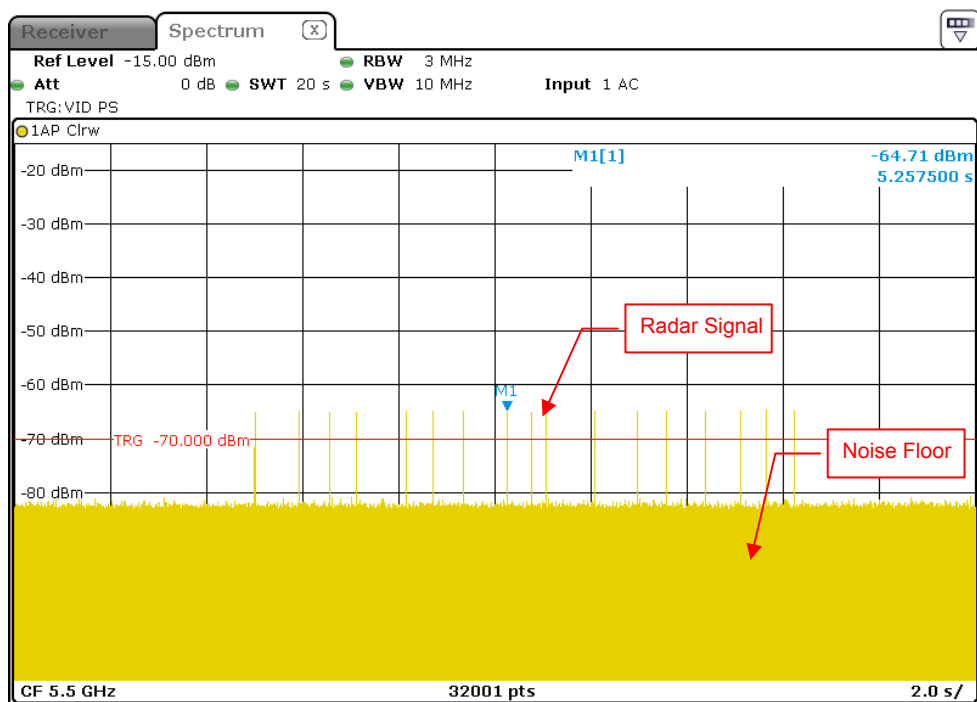
Radar Signal 2



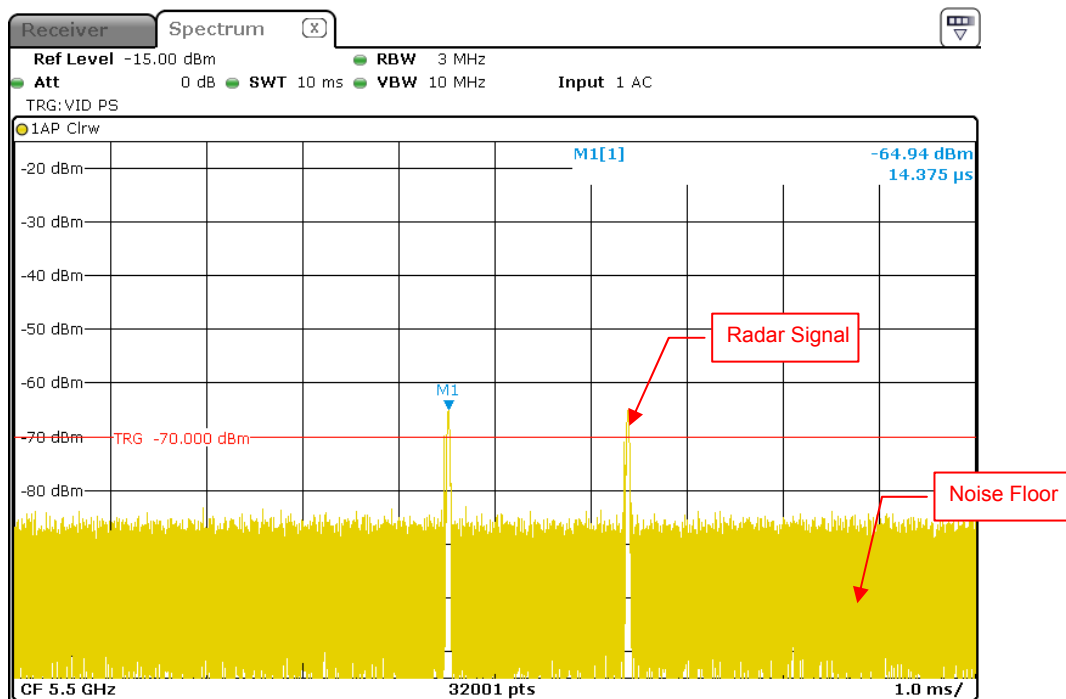
Radar Signal 3



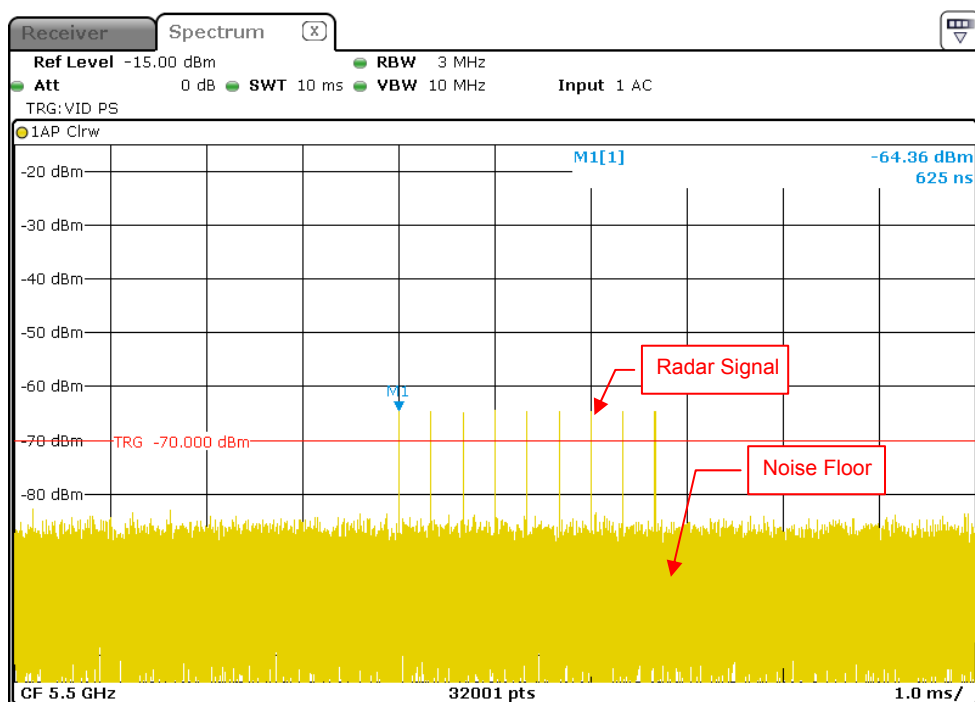
Radar Signal 4



Radar Signal 5



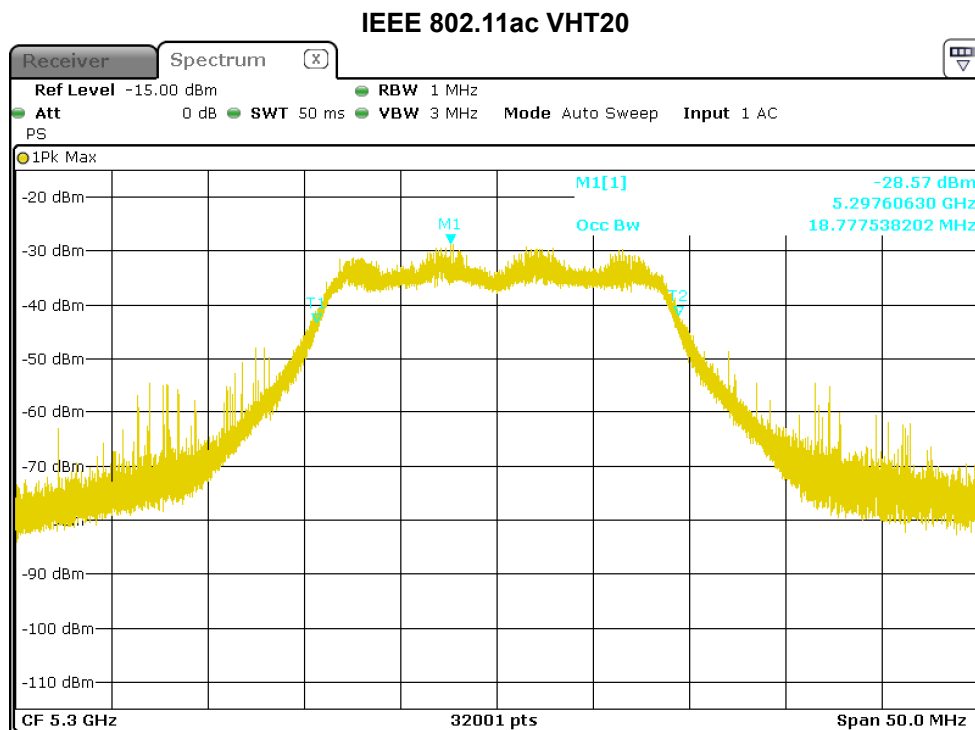
Single Burst of Radar Signal 5



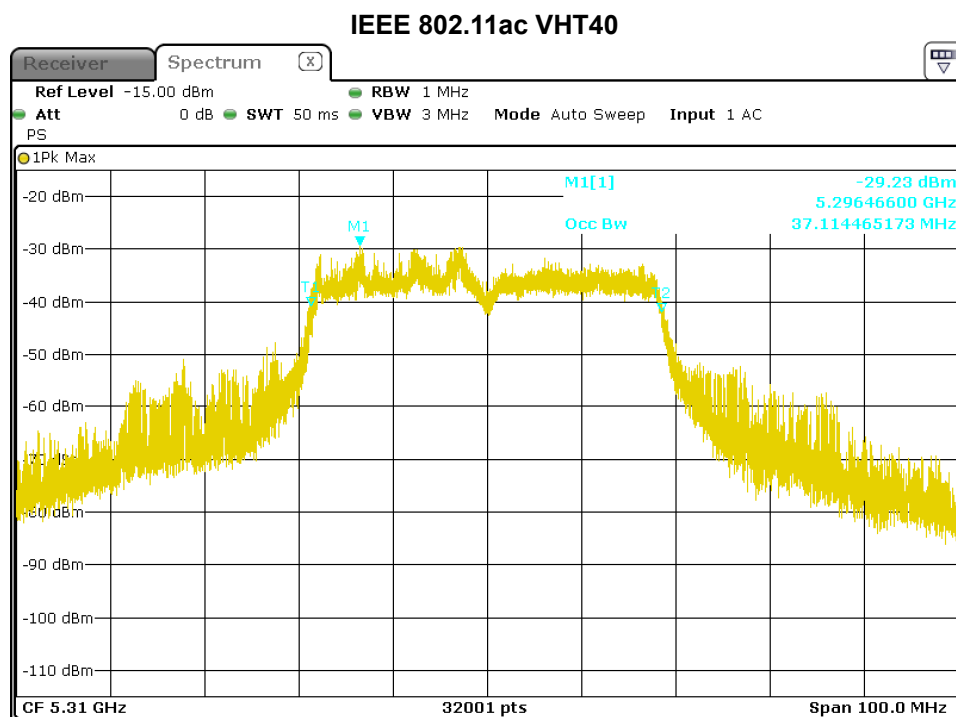
Radar Signal 6

## 6.2.2 U-NII Detection Bandwidth

For 5250~5350MHz  
RBR40

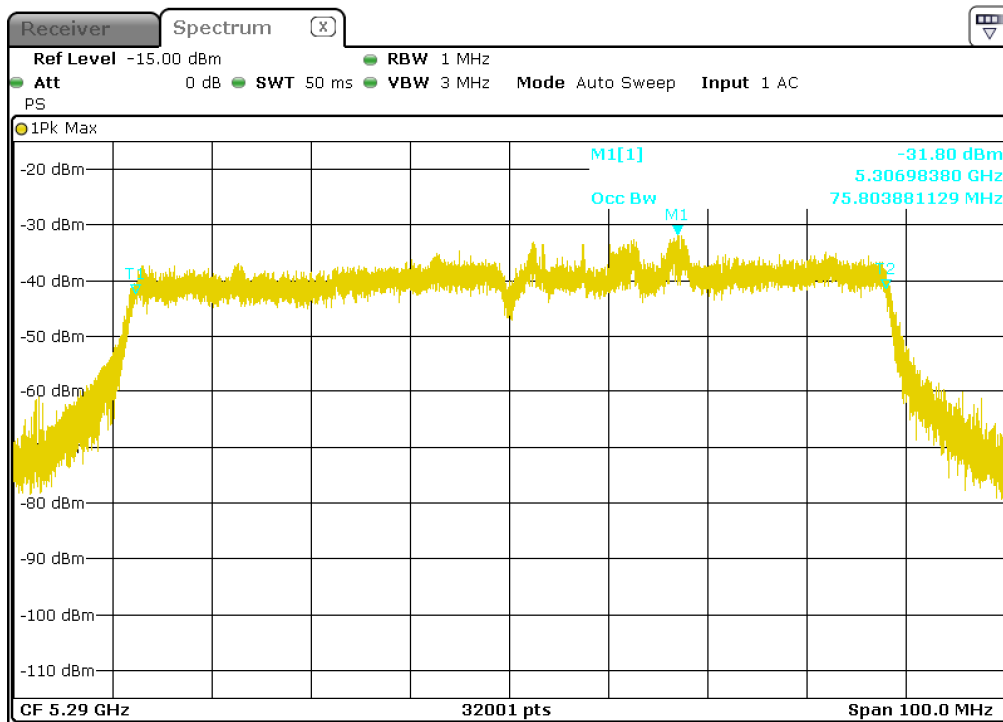


U-NII 99% Channel bandwidth



U-NII 99% Channel bandwidth

# IEEE 802.11ac VHT80



U-NII 99% Channel bandwidth

**Detection Bandwidth Test - IEEE 802.11ac VHT20**

Radar Type 0

EUT Frequency: 5300MHz

EUT 99% Power bandwidth: 18.77MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 18.77MHz

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: 37.11MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 37.11MHz

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: 75.80MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 75.80MHz

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

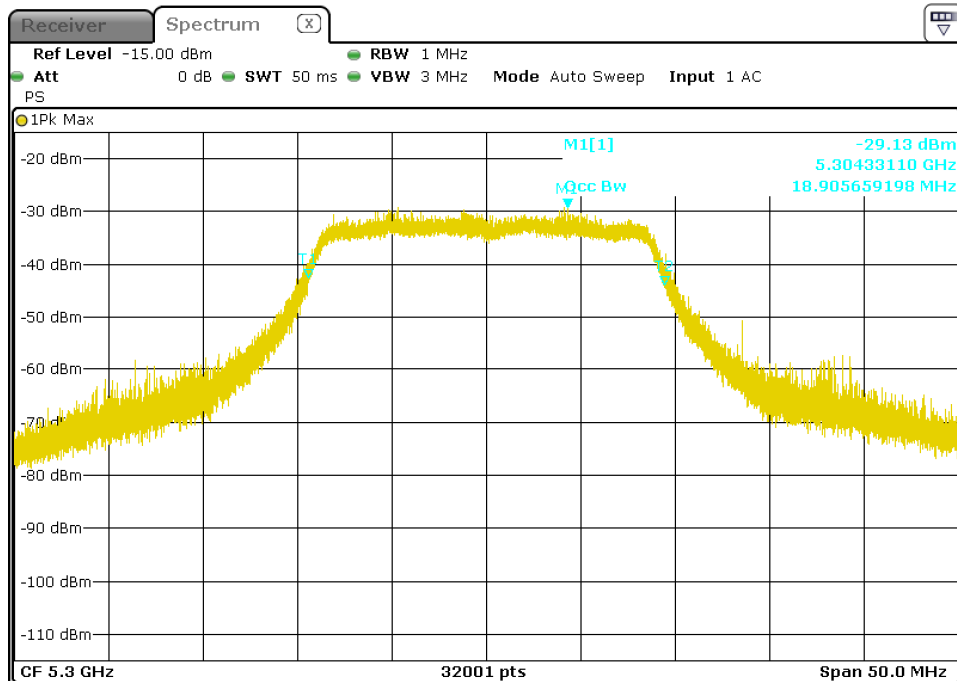
Test Result : PASS

| 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                   |
| 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   |

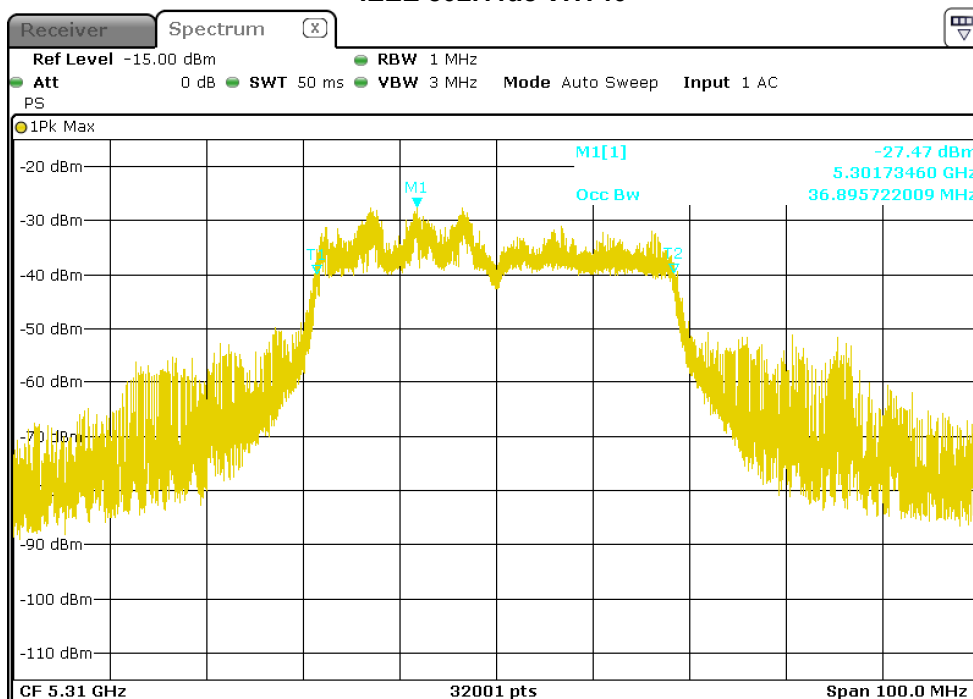
RBS40

### IEEE 802.11ac VHT20



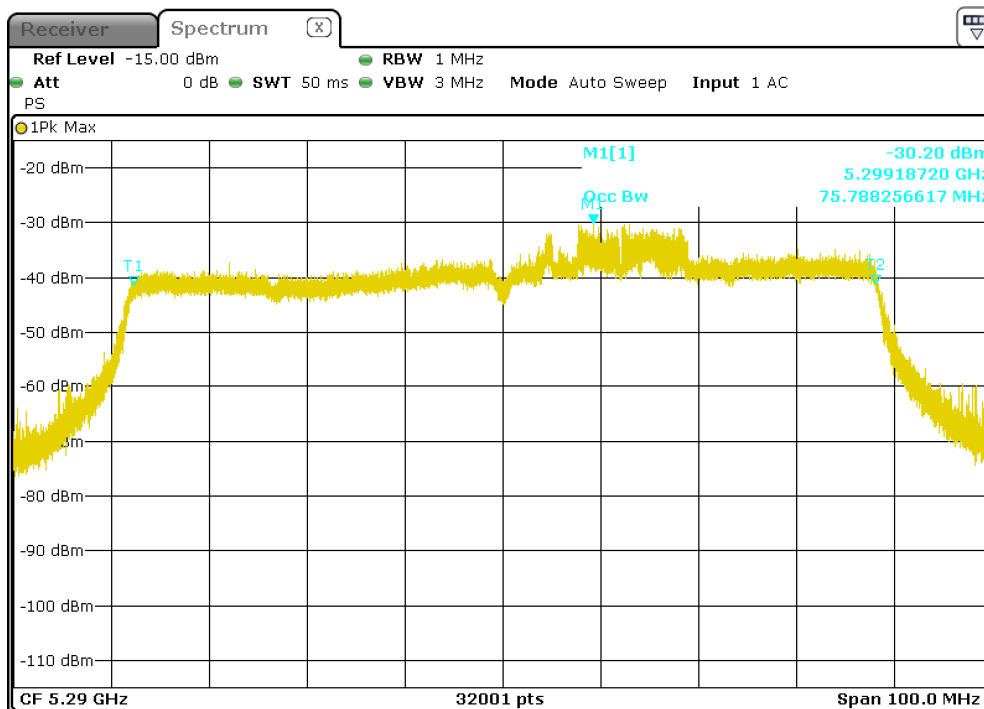
U-NII 99% Channel bandwidth

### IEEE 802.11ac VHT40



U-NII 99% Channel bandwidth

# IEEE 802.11ac VHT80



U-NII 99% Channel bandwidth

# Detection Bandwidth Test - IEEE 802.11ac VHT20

Radar Type 0

EUT Frequency: 5300MHz

EUT 99% Power bandwidth: 18.90MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 18.90MHz

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: 36.89MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 36.89MHz

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

Test Result : PASS

| Radar Frequency (MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection 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: 75.78MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 75.78MHz

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

Test Result : PASS

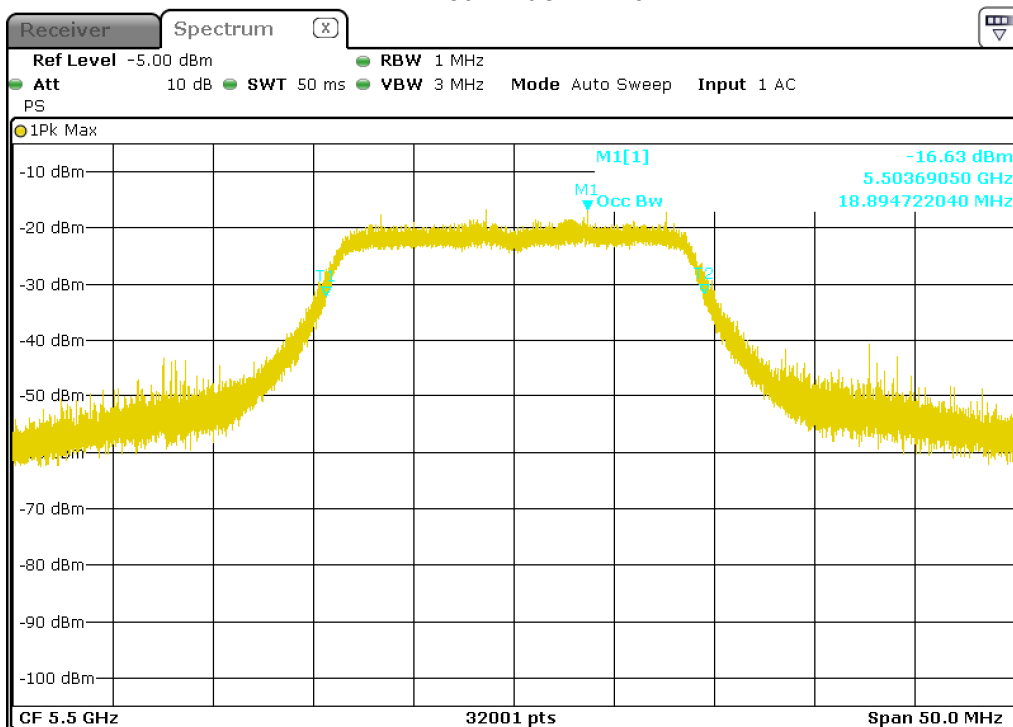
| Radar<br>Frequency<br>(MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection<br>Rate (%) |
|-----------------------------|--------------------------|---|---|---|---|---|---|---|---|----|-----------------------|
|                             | 1                        | 2 | 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                   |
| 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   |

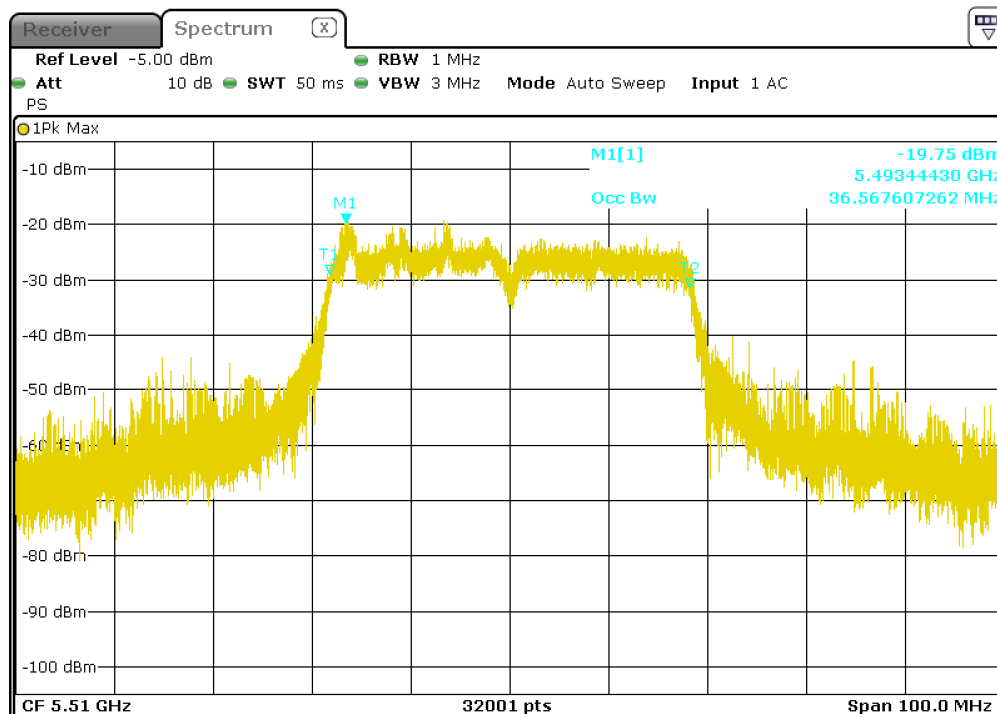
For 5470~5725MHz

### IEEE 802.11ac VHT20



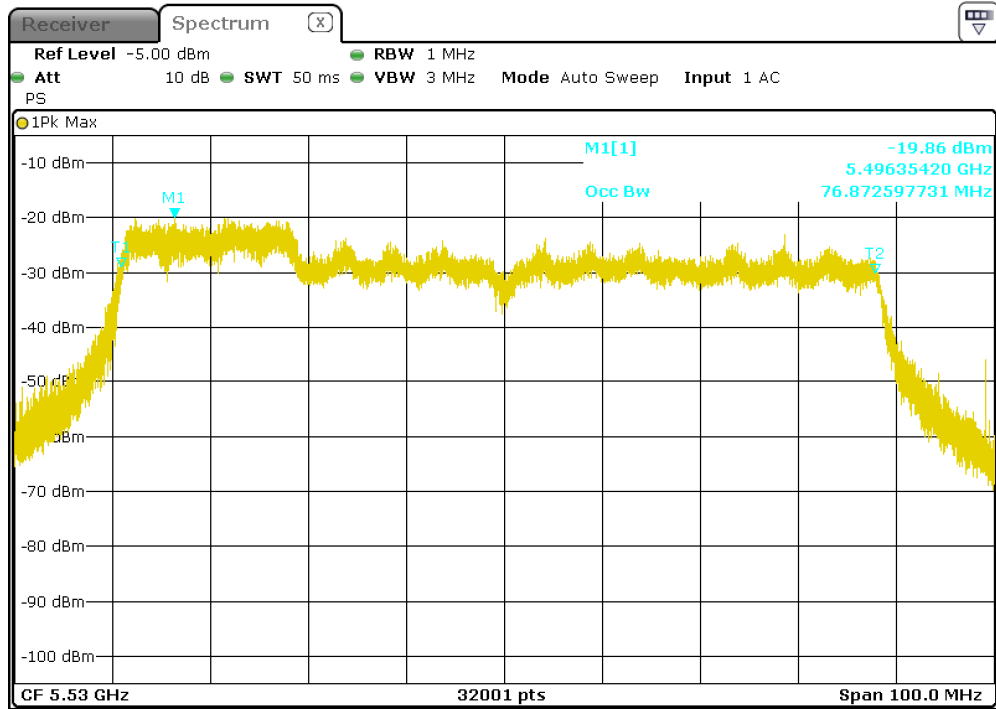
U-NII 99% Channel bandwidth

### IEEE 802.11ac VHT40



U-NII 99% Channel bandwidth

# IEEE 802.11ac VHT80



U-NII 99% Channel bandwidth

# 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<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(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                   |
| 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.

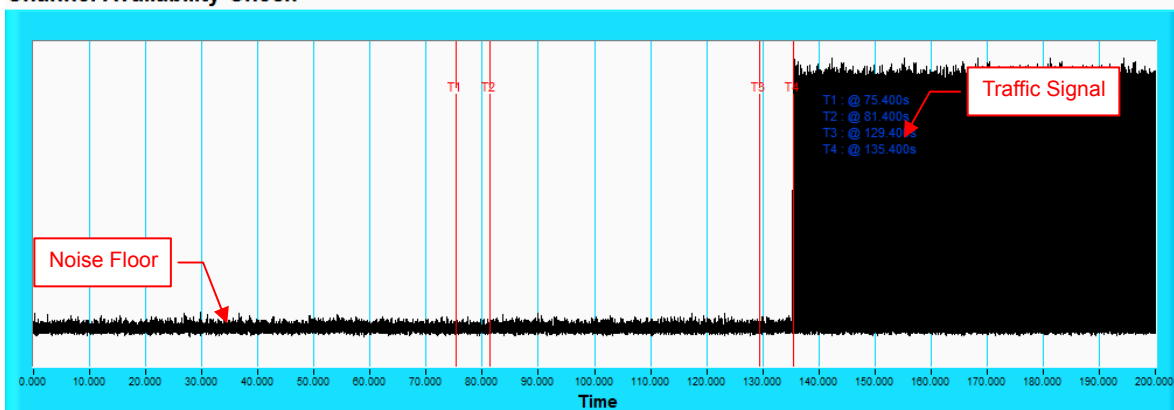
| Timing of Radar Signal | Observation |                   |
|------------------------|-------------|-------------------|
|                        | EUT         | Spectrum Analyzer |
| Within 1 to 6 second   | Detected    | No transmissions  |
| Within 54 to 60 second | Detected    | No transmissions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

#### Initial Channel Availability Check Time

For 5250~5350MHz

RBR40

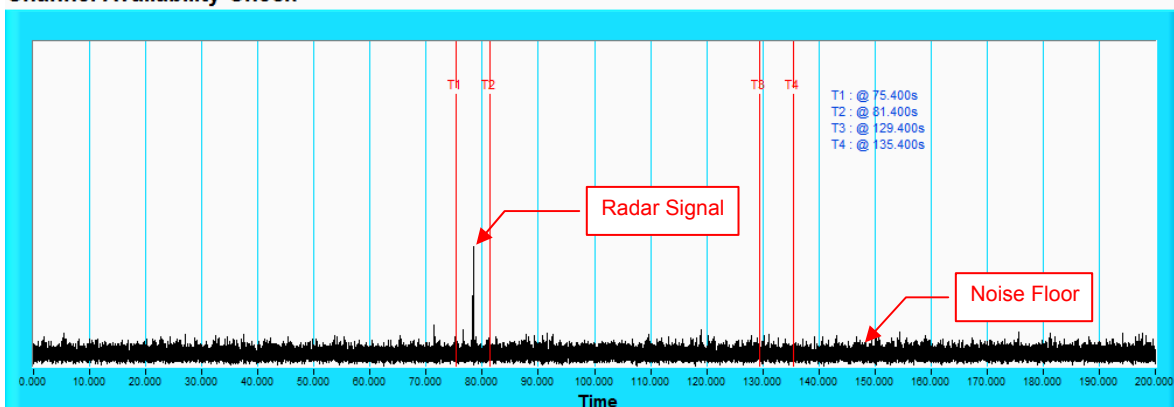
#### Channel Availability Check



**NOTE:** T1 denotes the end of power-up time period is 75.4 second. T4 denotes the end of Channel Availability Check time is 135.4 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

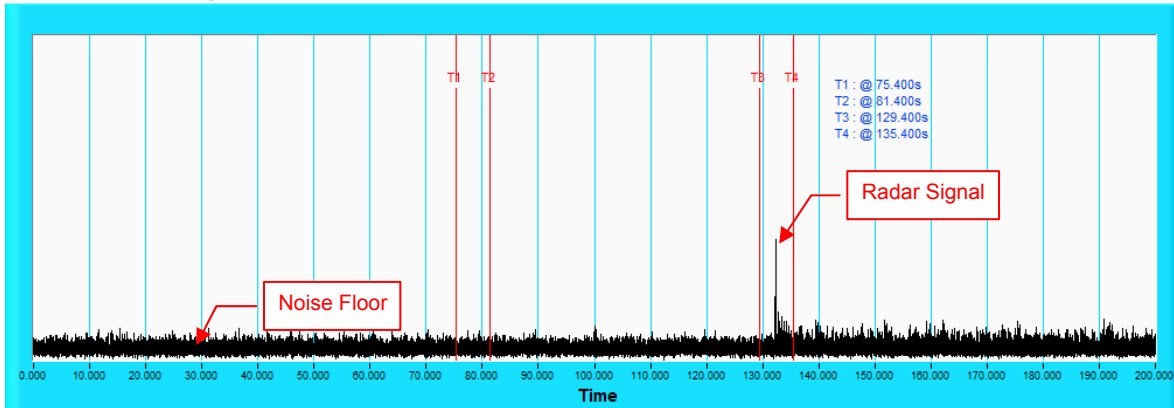


**NOTE:** T1 denotes the end of power up time period is 75.4 second. T2 denotes 81.4 second, the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T4 denotes the 135.4 second.



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

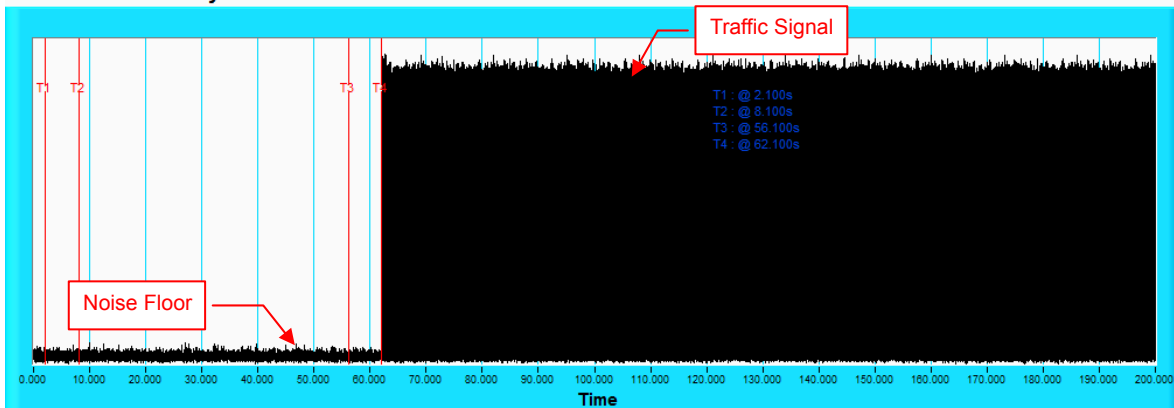
### Channel Availability Check



**NOTE:** T1 denotes the end of power up time period is 75.4 second. T3 denotes 129.4 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 135.4 second.

### RBS40

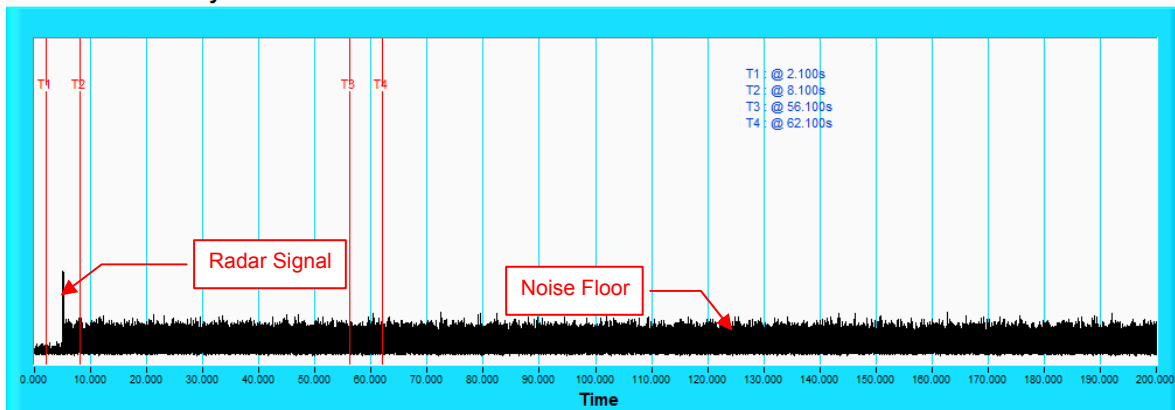
### Channel Availability Check



**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

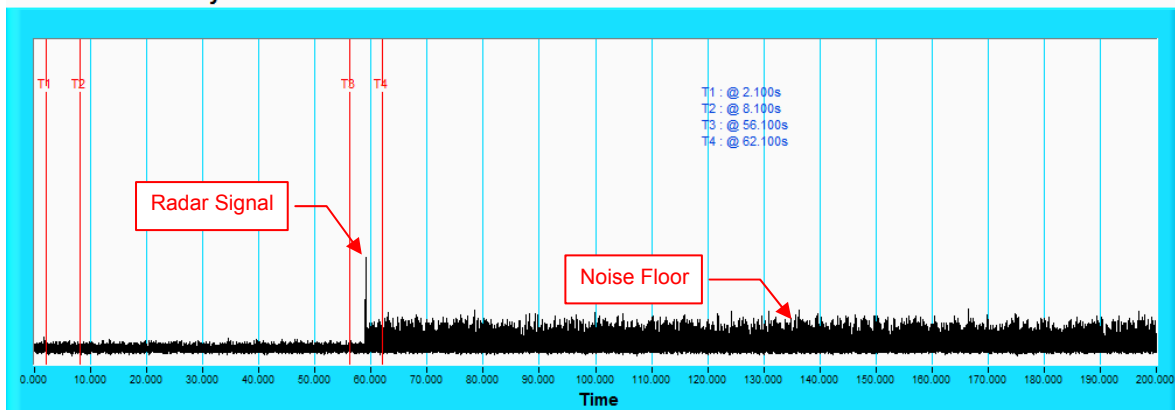
### Channel Availability Check



**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.

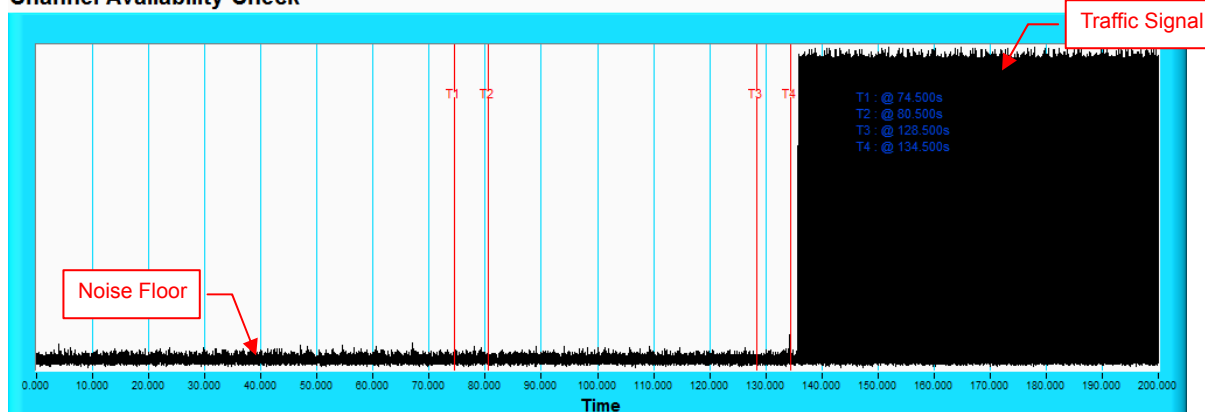
## Radar Burst at the End of the Channel Availability Check Time

### 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.

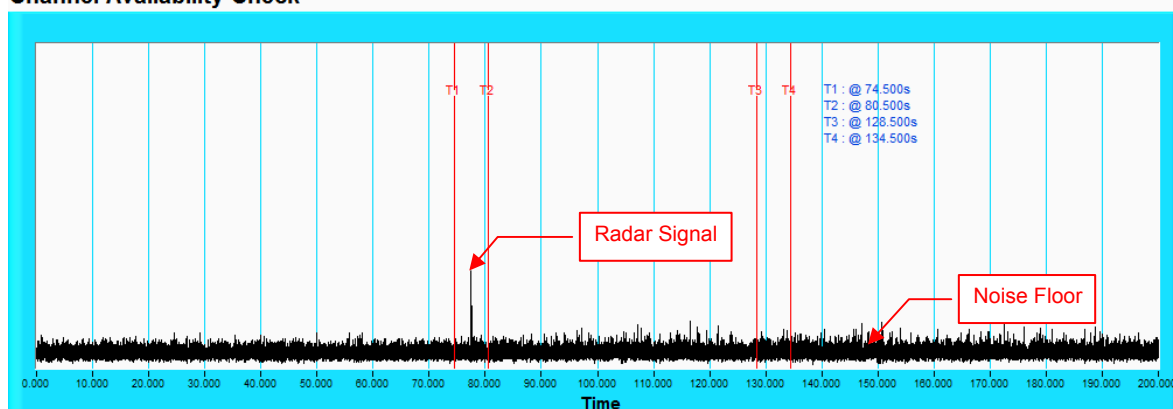
## For 5470~5725MHz Channel Availability Check



**NOTE:** T1 denotes the end of power-up time period is 74.5 second. T4 denotes the end of Channel Availability Check time is 134.5 second. Channel Availability Check time is equal to ( T4 – T1) 60 seconds.

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

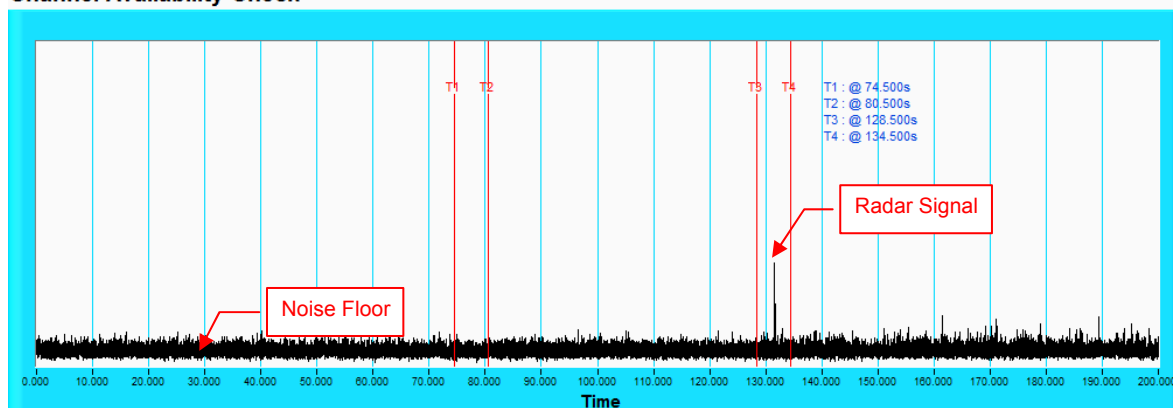
### Channel Availability Check



**NOTE:** T1 denotes the end of power up time period is 74.5 second. T2 denotes 80.5 second, the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T4 denotes the 134.5 second.

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

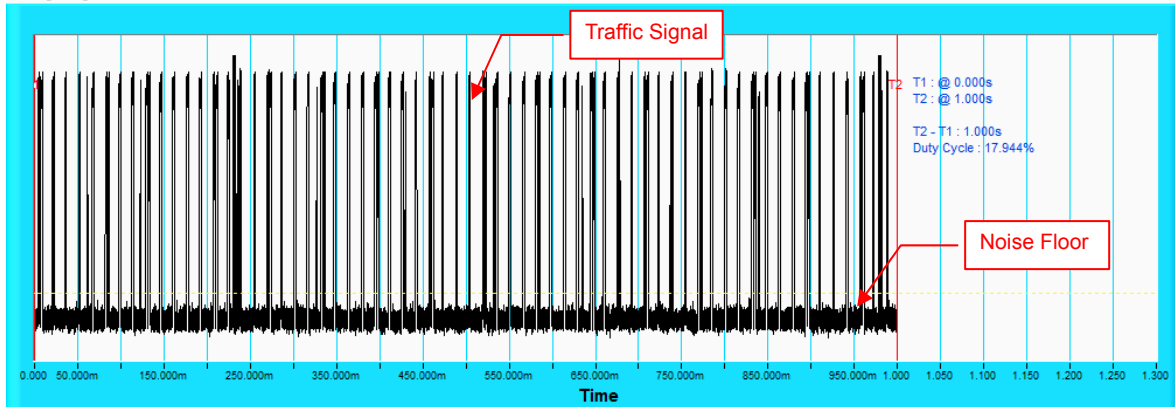
### Channel Availability Check



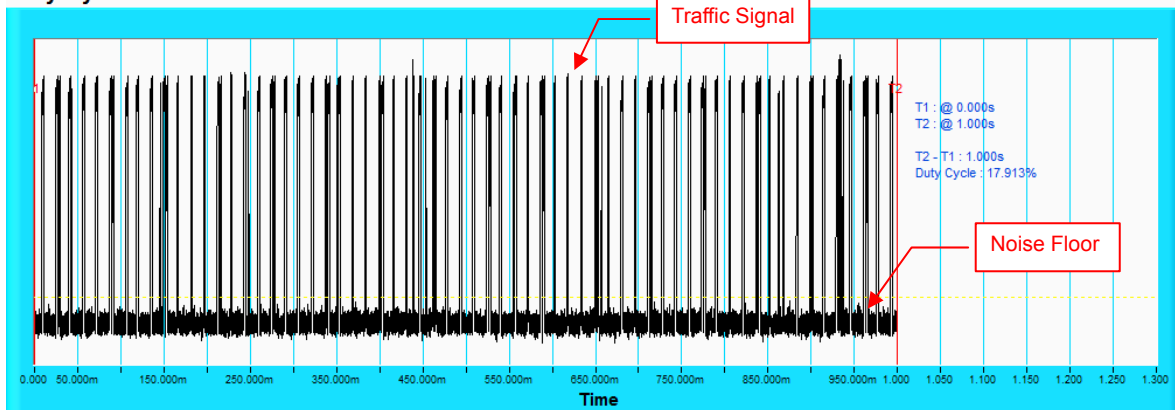
**NOTE:** T1 denotes the end of power up time period is 74.5 second. T3 denotes 128.5 second and radar burst was commenced within 54<sup>th</sup> second to 60<sup>th</sup> second window starting from the end of power-up sequence. T4 denotes the 134.5 second.

## 6.2.4 Channel Closing Transmission and Channel Move Time

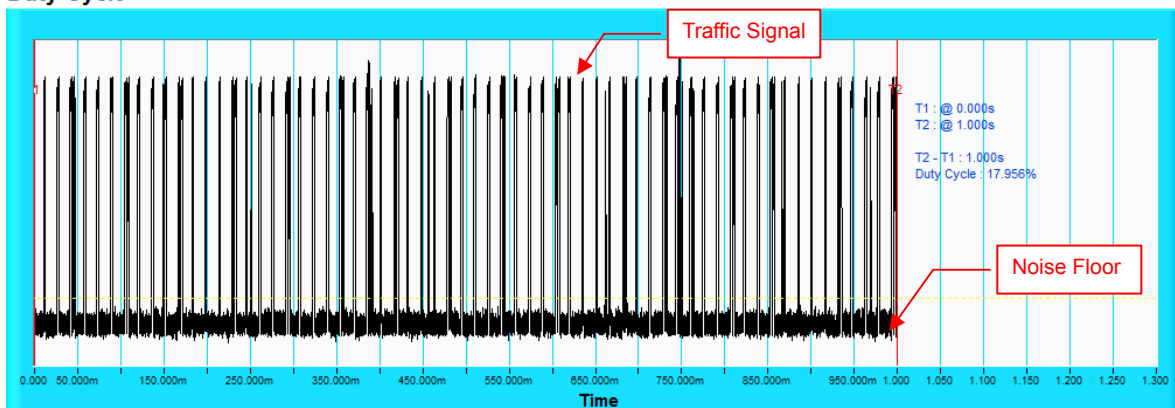
**For 5250~5350MHz**  
**Wireless Traffic Loading**  
**IEEE 802.11ac VHT20**  
**Duty Cycle**



**IEEE 802.11ac VHT40**  
**Duty Cycle**



**IEEE 802.11ac VHT80**  
**Duty Cycle**

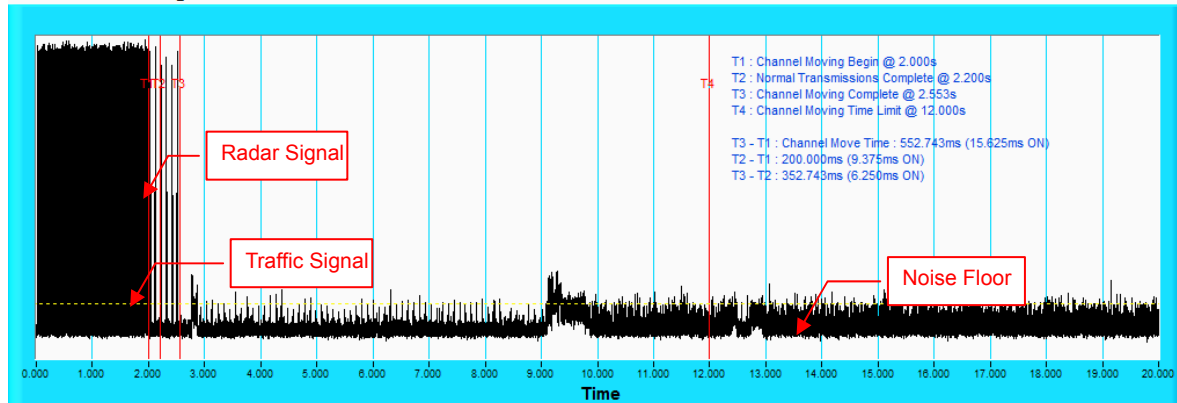


## RBR40

### Radar signal 0

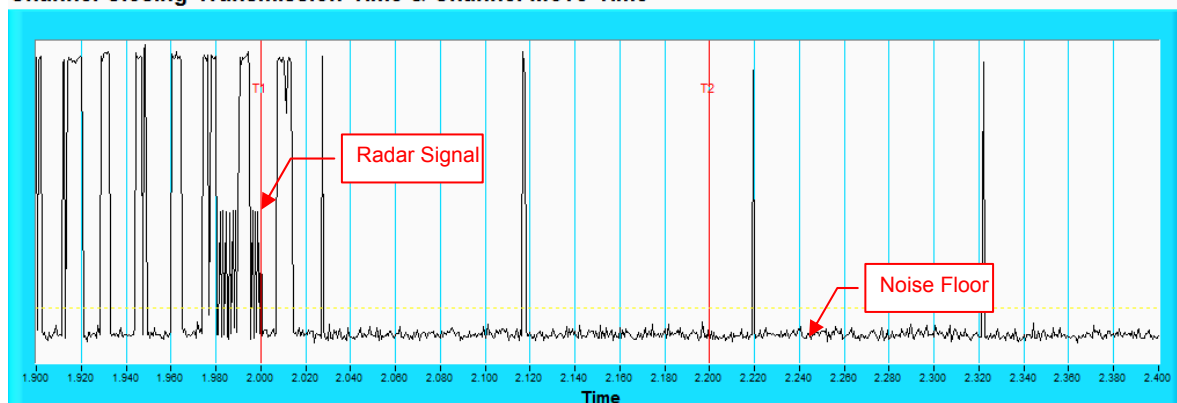
IEEE 802.11ac VHT80

#### 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

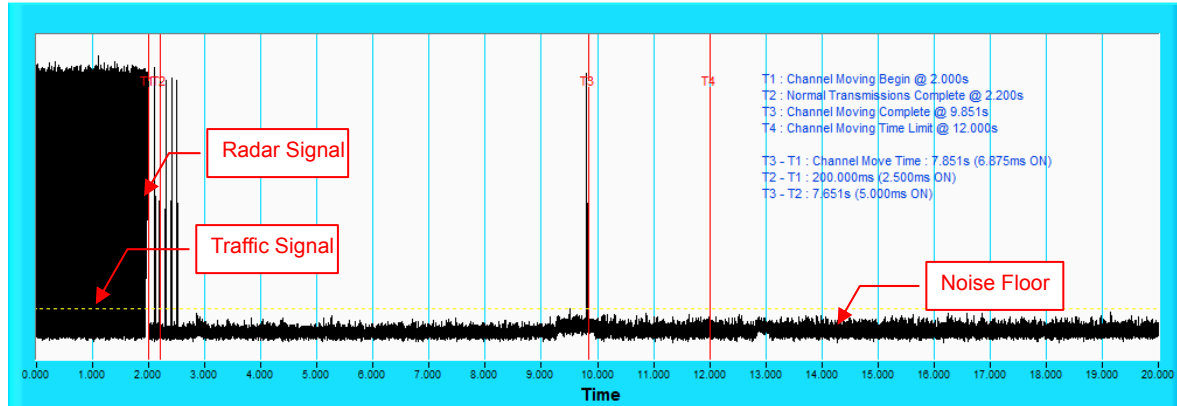


**NOTE:** Zoom-in of the first 500ms after radar signal applied.

## Radar signal 1

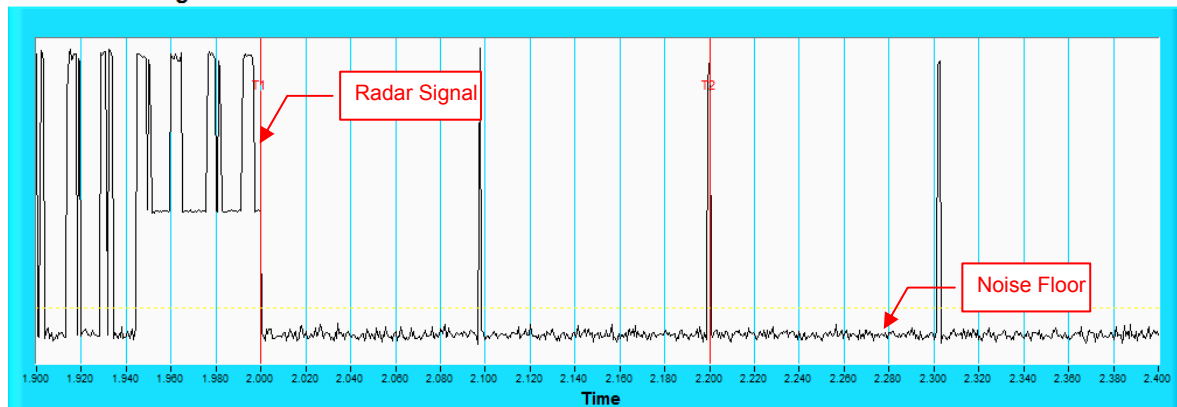
IEEE 802.11ac VHT80

### 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

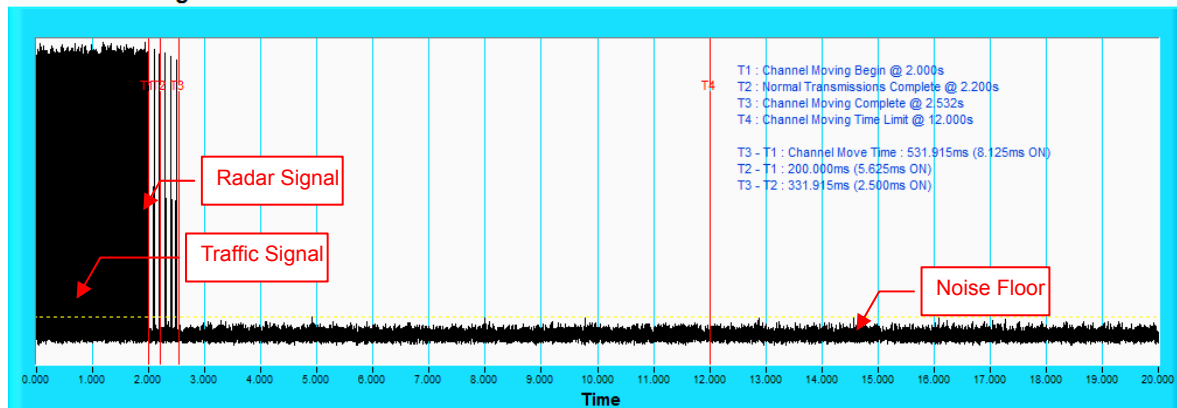


**NOTE:** Zoom-in of the first 500ms after radar signal applied.

## Radar signal 2

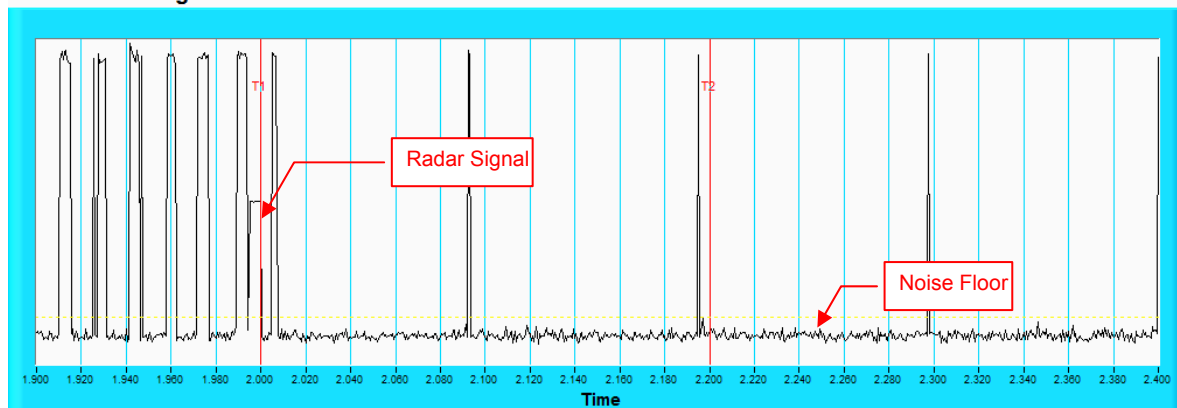
IEEE 802.11ac VHT80

### 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

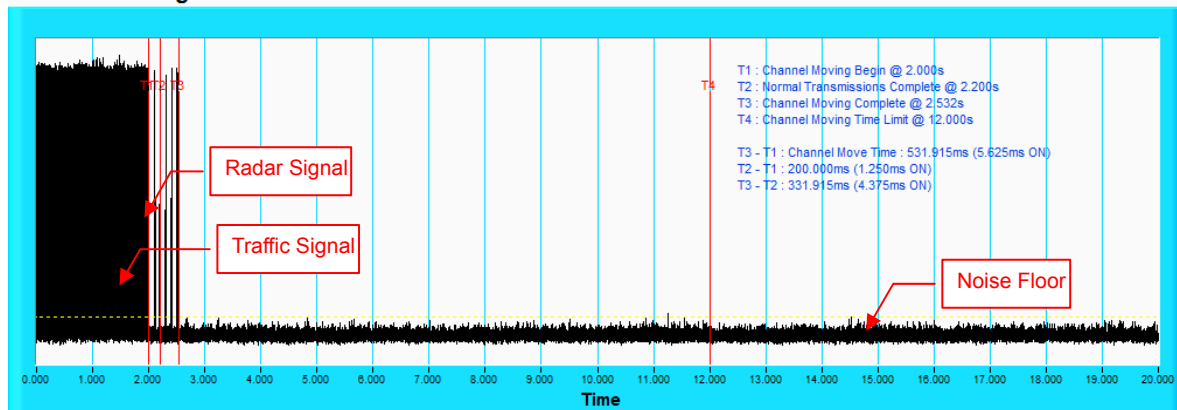


**NOTE:** Zoom-in of the first 500ms after radar signal applied.

### Radar signal 3

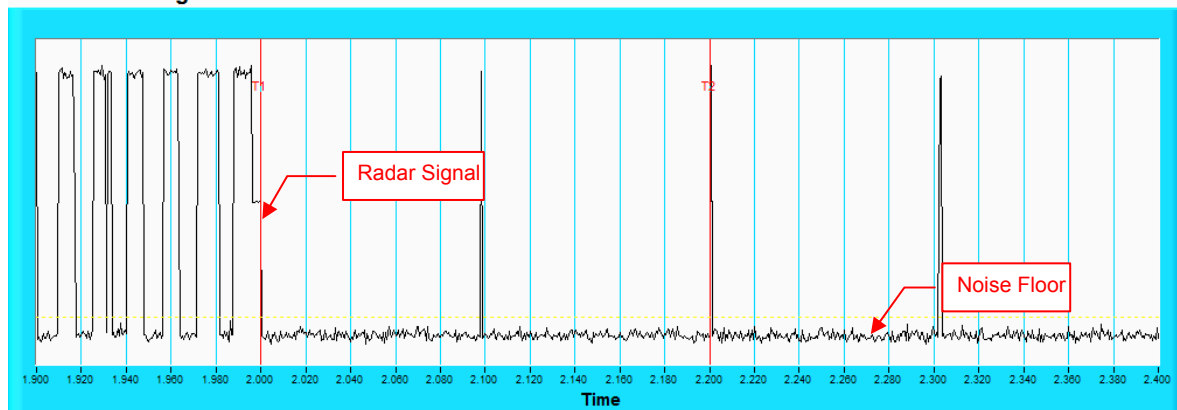
IEEE 802.11ac VHT80

#### 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



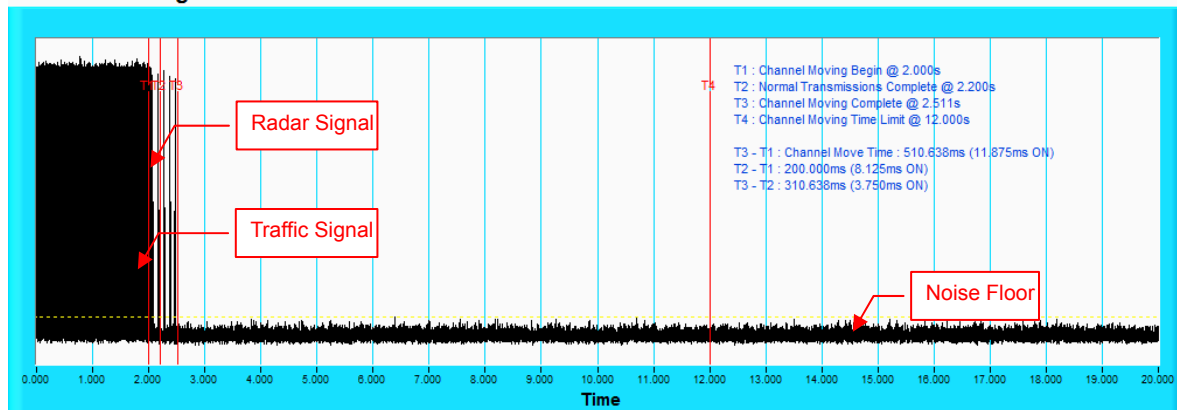
**NOTE:** Room-in of the first 500ms after radar signal applied.



## Radar signal 4

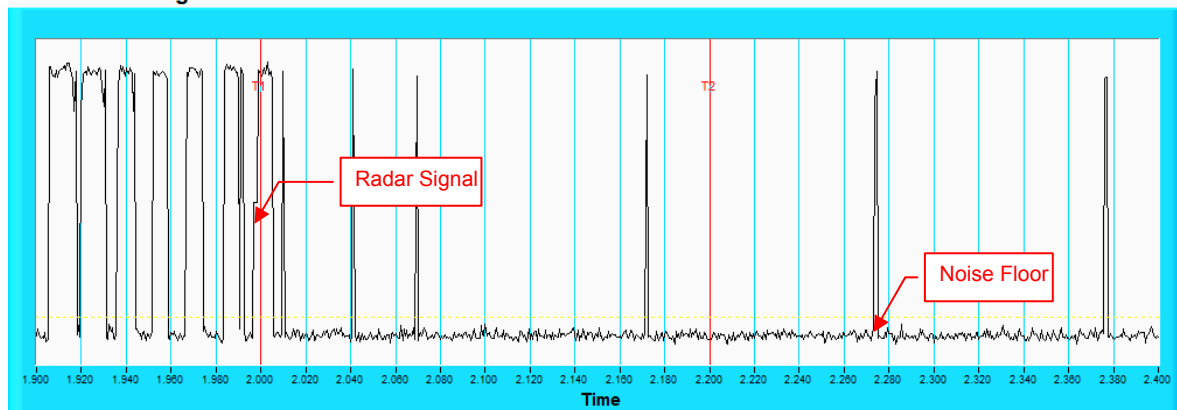
IEEE 802.11ac VHT80

### 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



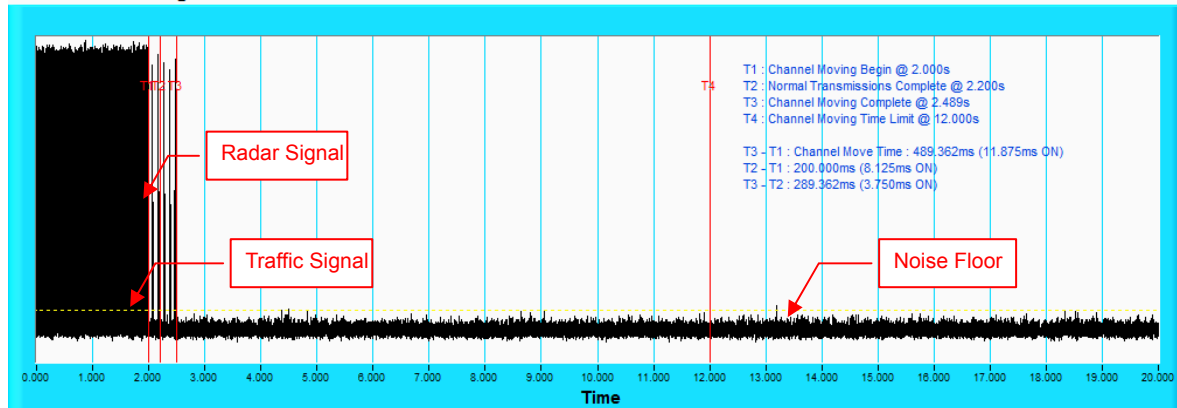
**NOTE:** Room-in of the first 500ms after radar signal applied.

## RBS40

### Radar signal 0

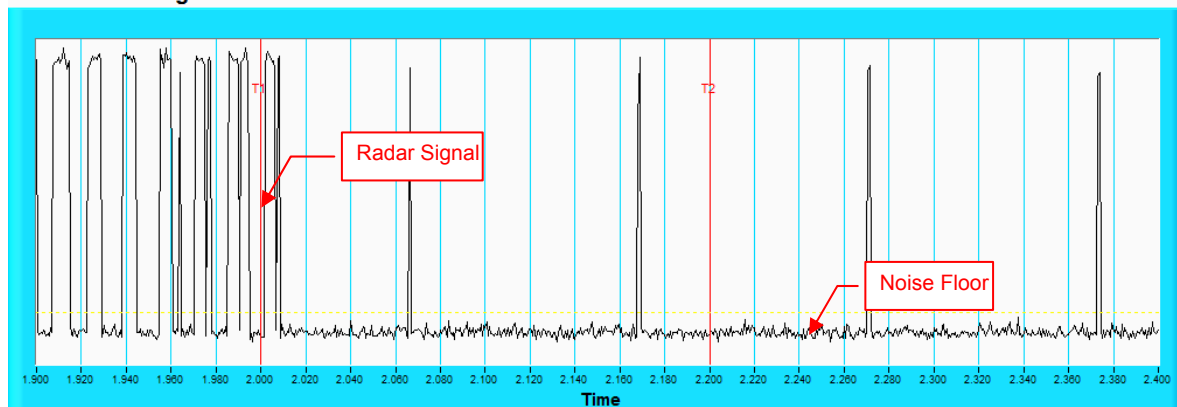
IEEE 802.11ac VHT80

#### 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

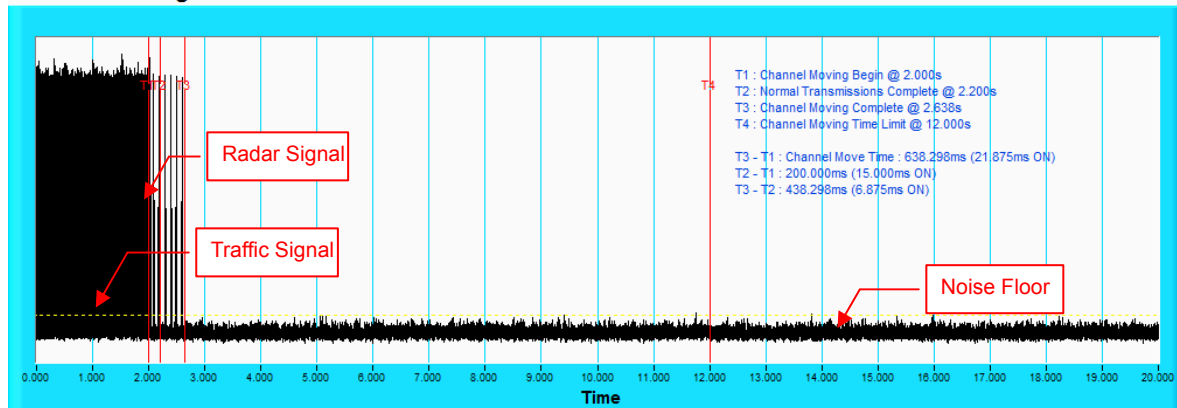


**NOTE:** Zoom-in of the first 500ms after radar signal applied.

## Radar signal 1

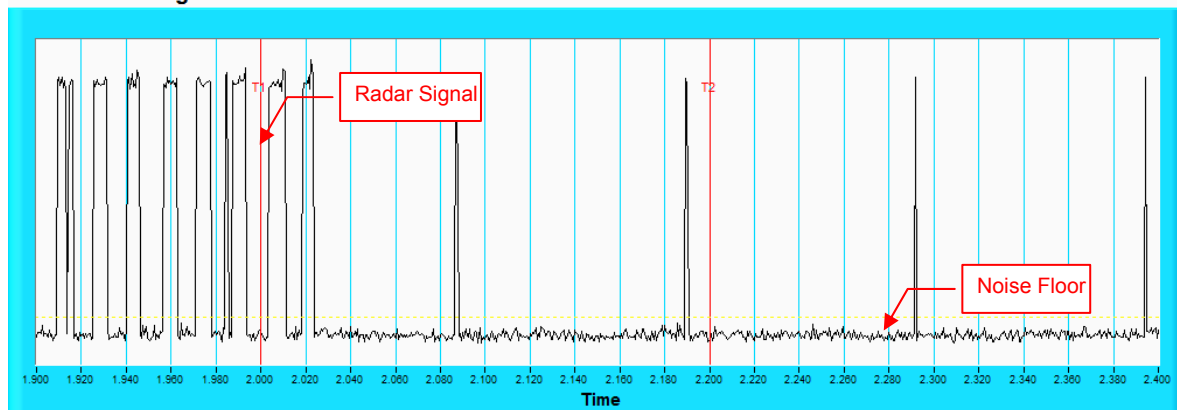
IEEE 802.11ac VHT80

### 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

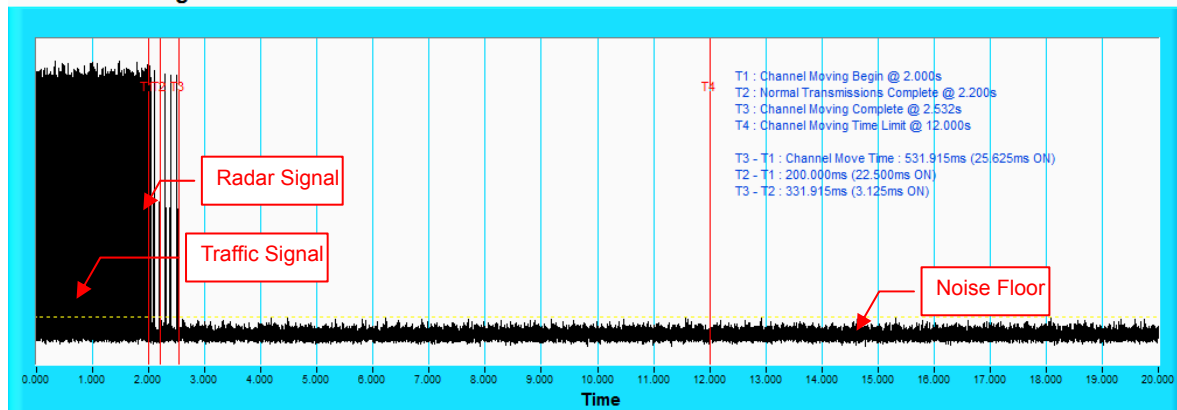


**NOTE:** Zoom-in of the first 500ms after radar signal applied.

## Radar signal 2

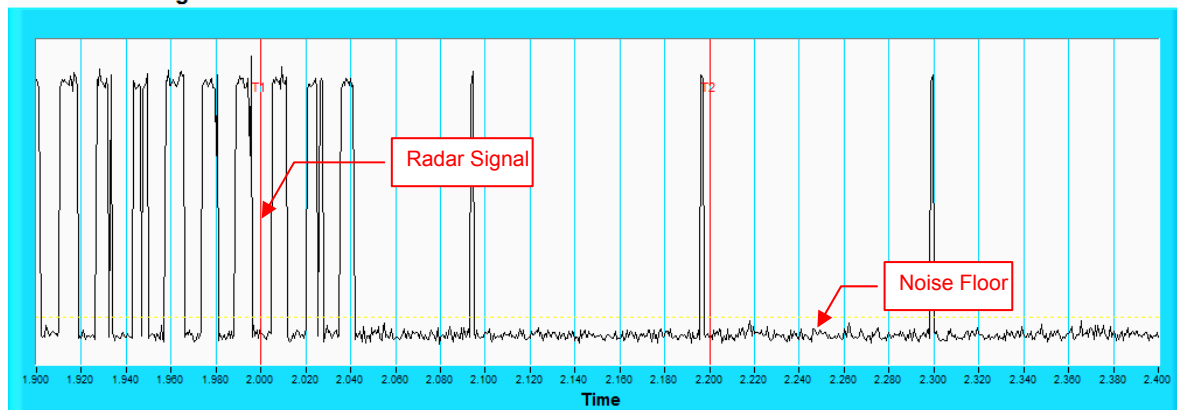
IEEE 802.11ac VHT80

### 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

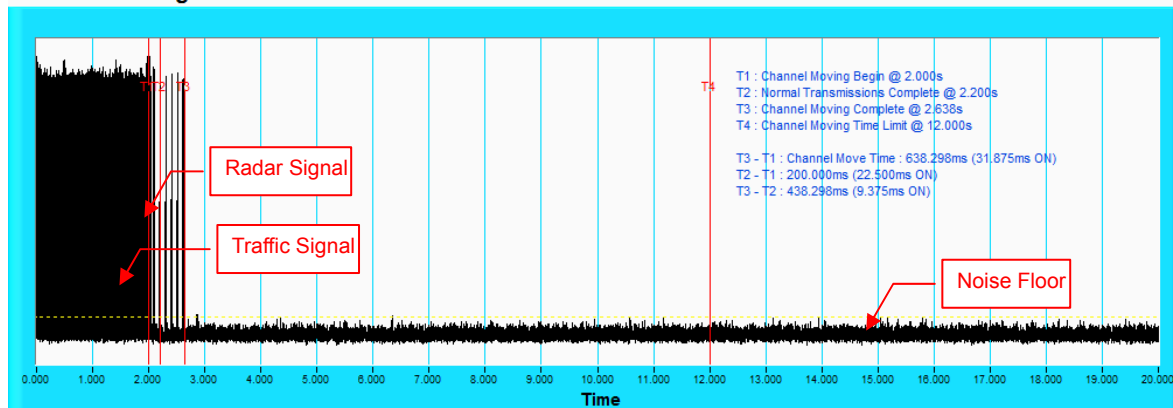


**NOTE:** Zoom-in of the first 500ms after radar signal applied.

### Radar signal 3

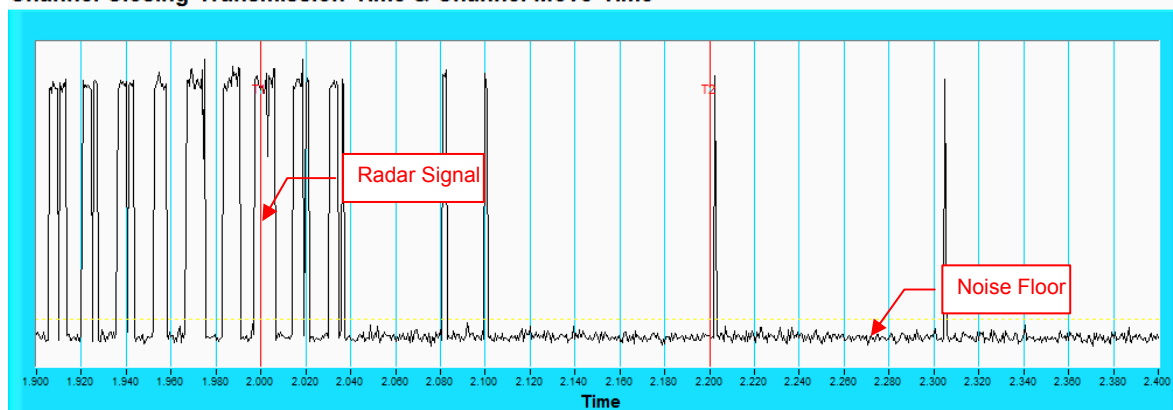
IEEE 802.11ac VHT80

#### 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

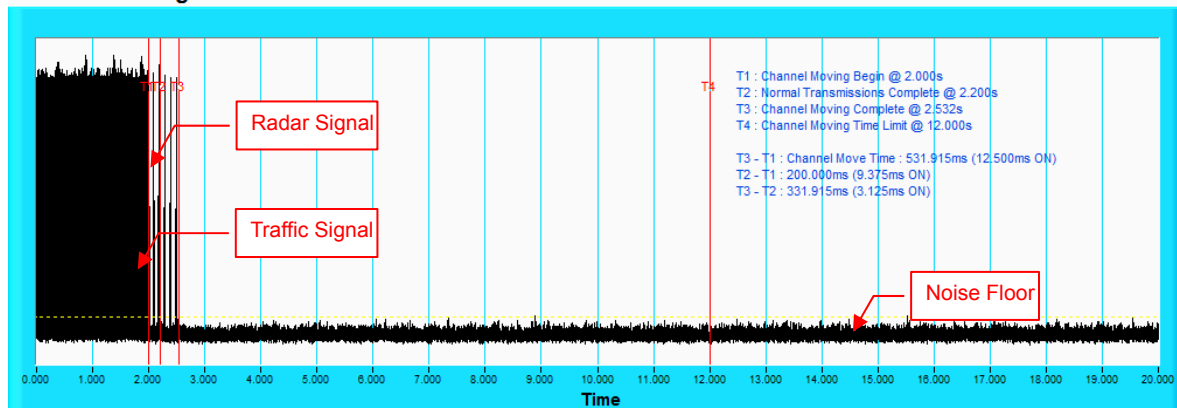


**NOTE:** Room-in of the first 500ms after radar signal applied.

## Radar signal 4

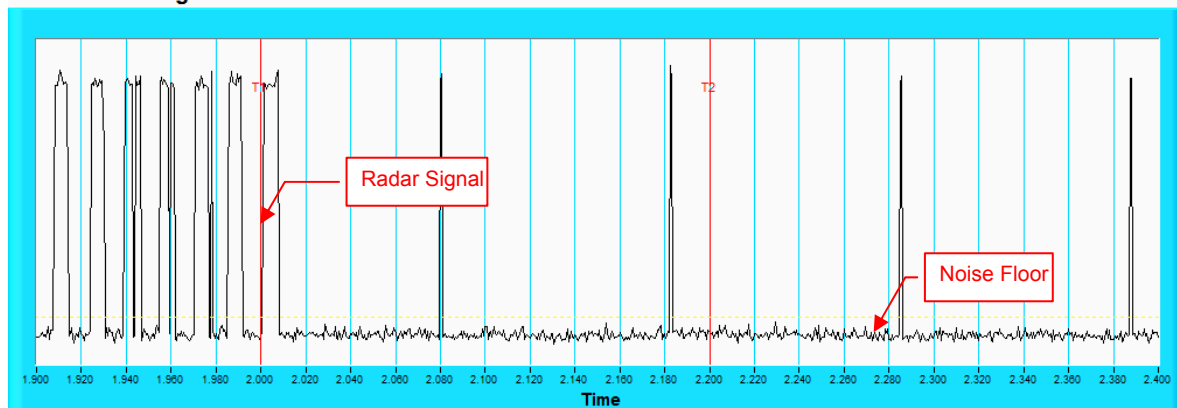
IEEE 802.11ac VHT80

### Channel Closing Transmission Time & Channel Move Time



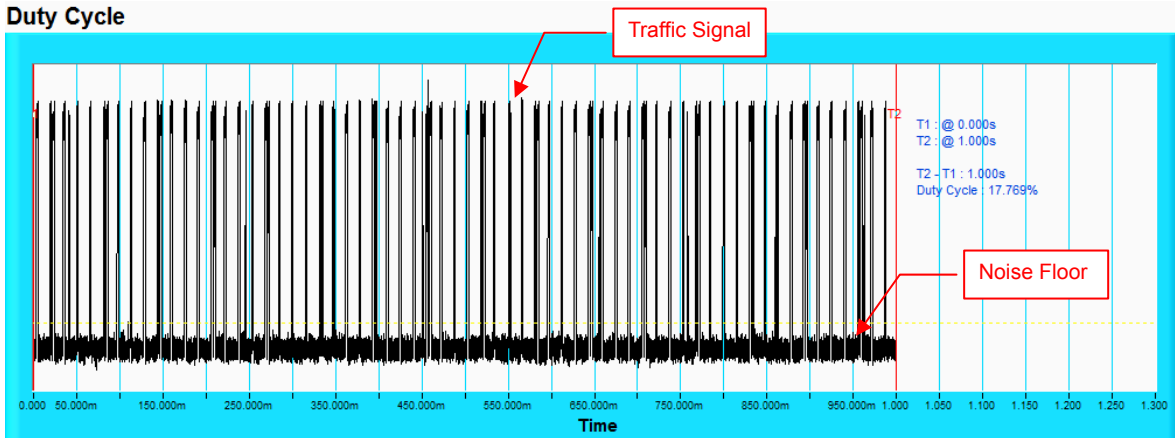
**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time

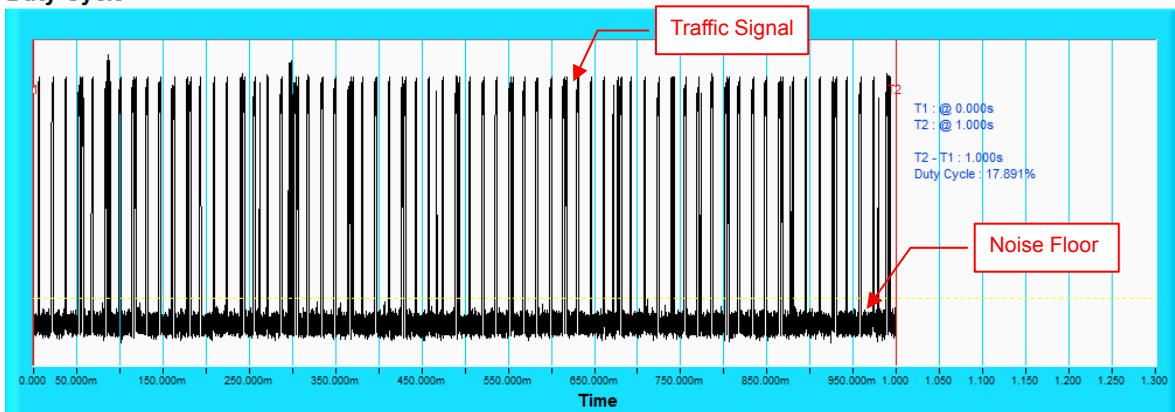


**NOTE:** Room-in of the first 500ms after radar signal applied.

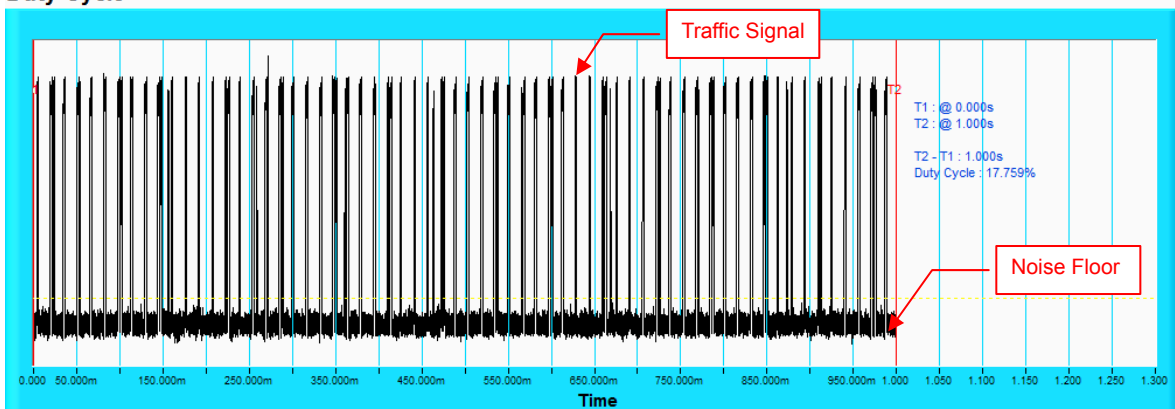
**For 5470~5725MHz**  
**Wireless Traffic Loading**  
**IEEE 802.11ac VHT20**  
**Duty Cycle**



**IEEE 802.11ac VHT40**  
**Duty Cycle**



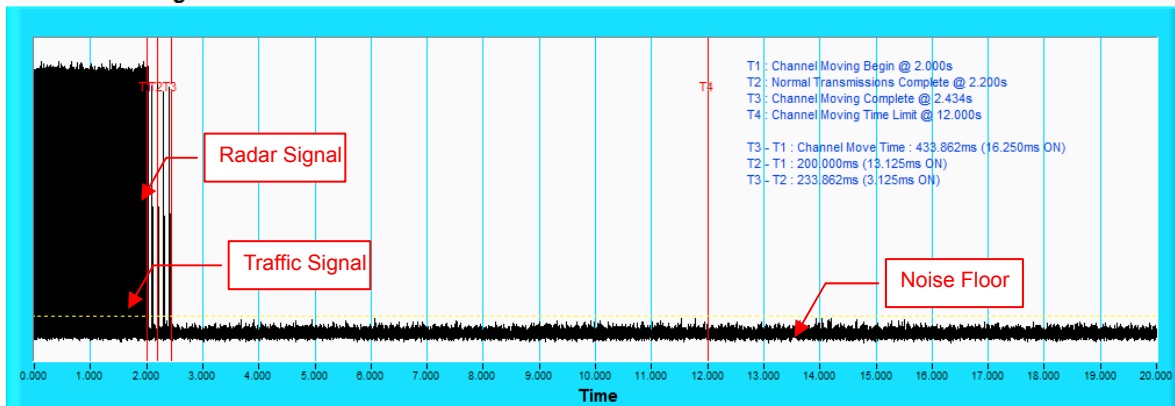
**IEEE 802.11ac VHT80**  
**Duty Cycle**



## Radar signal 0

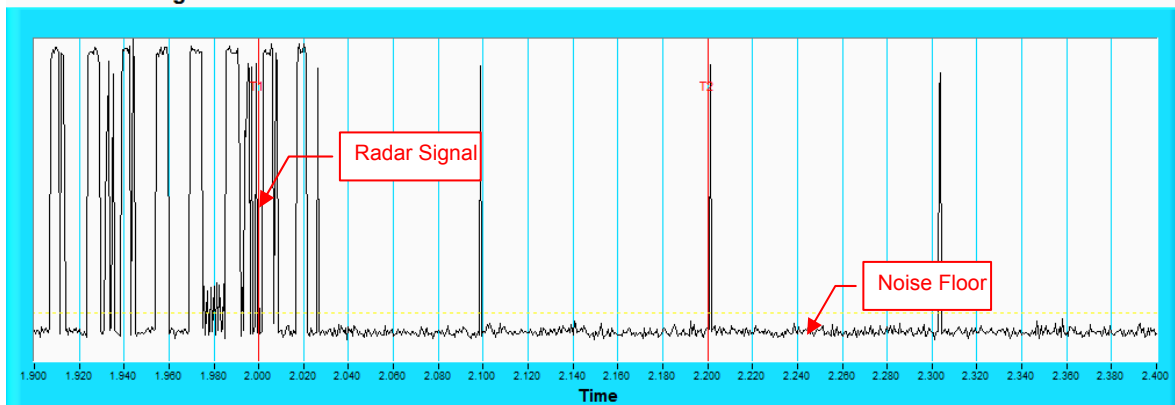
IEEE 802.11ac VHT80

### 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



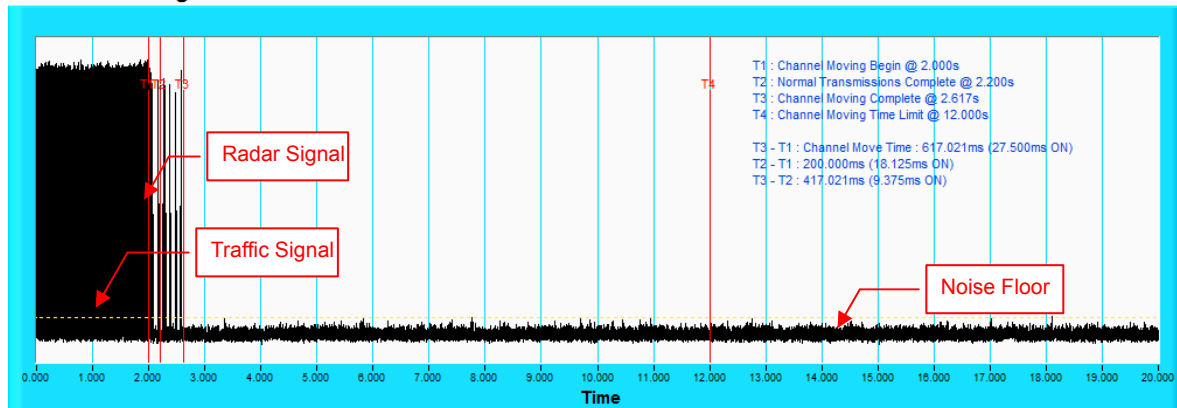
**NOTE:** Zoom-in of the first 500ms after radar signal applied.



## Radar signal 1

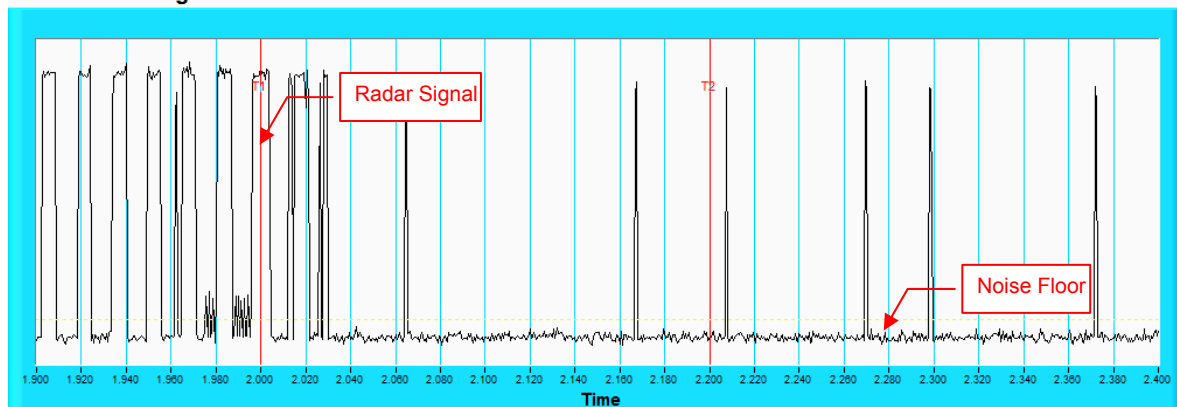
IEEE 802.11ac VHT80

### 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

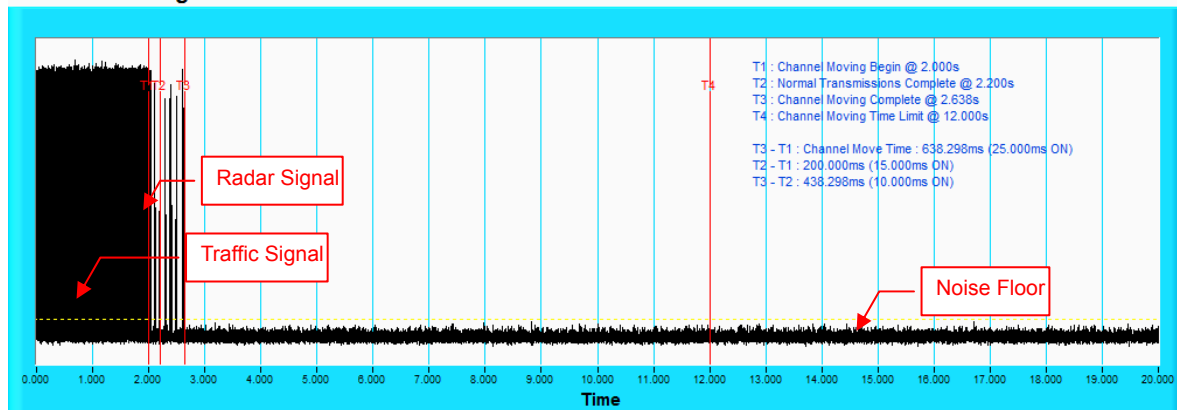


**NOTE:** Zoom-in of the first 500ms after radar signal applied.

## Radar signal 2

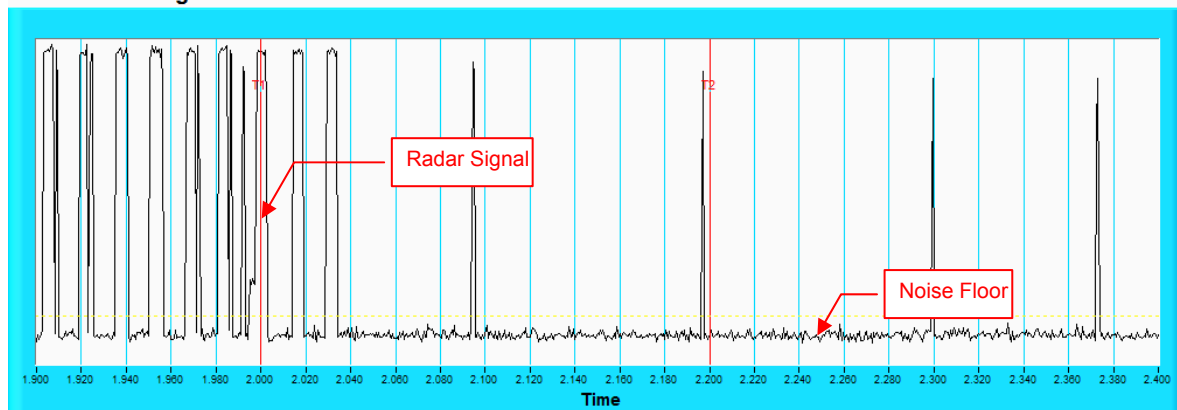
IEEE 802.11ac VHT80

### 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

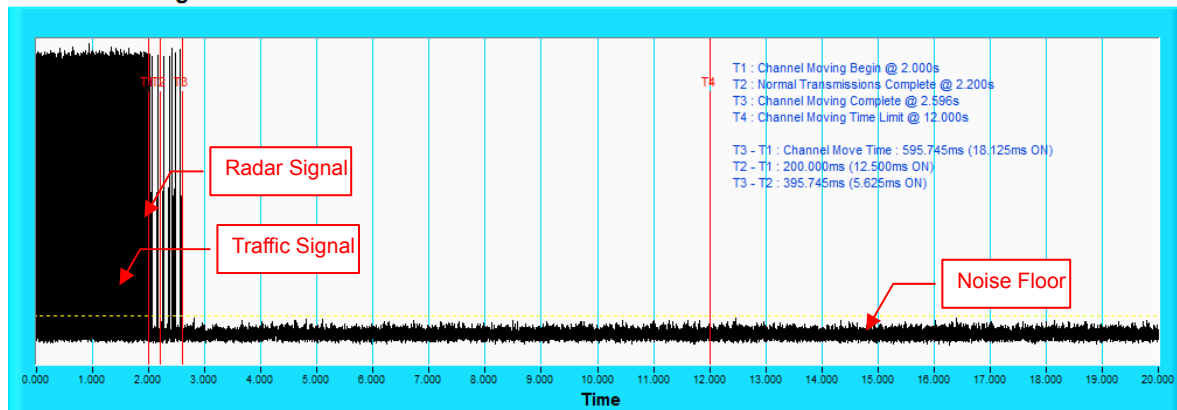


**NOTE:** Zoom-in of the first 500ms after radar signal applied.

### Radar signal 3

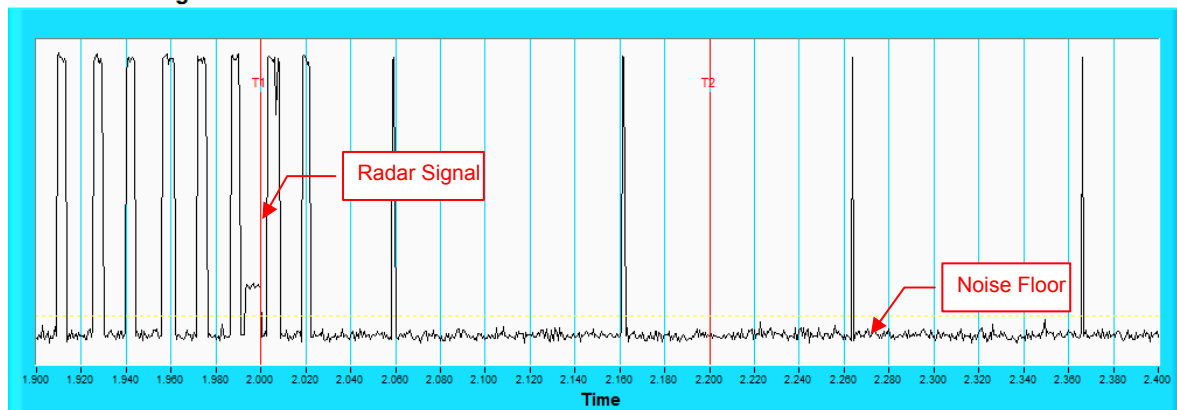
IEEE 802.11ac VHT80

#### 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

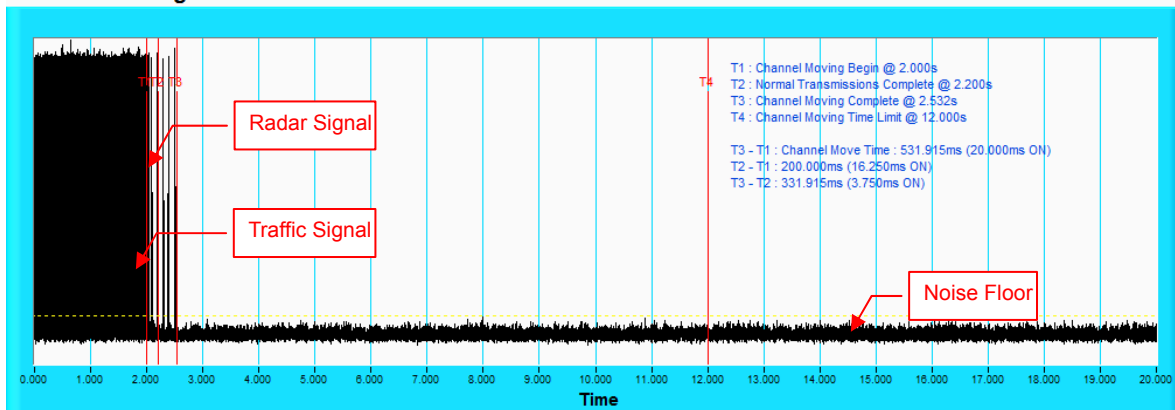


**NOTE:** Room-in of the first 500ms after radar signal applied.

## Radar signal 4

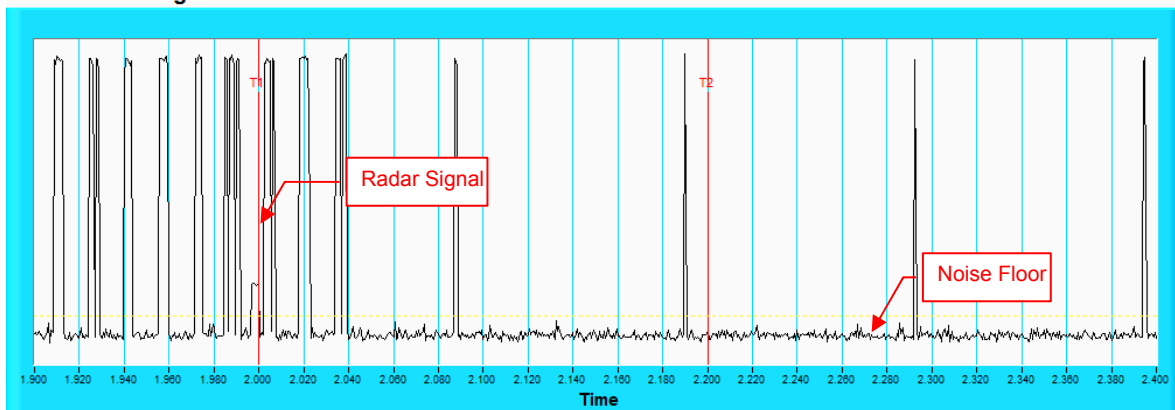
IEEE 802.11ac VHT80

### 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.

For 5250~5350MHz  
RBR40

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                      | 76.6                                   |
| 3                           | 6-10               | 200-500                                                                                                                                                         | 16-18                                                                                             | 30                      | 86.6                                   |
| 4                           | 11-20              | 200-500                                                                                                                                                         | 12-16                                                                                             | 30                      | 93.3                                   |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                                 |                                                                                                   | 120                     | 89.1                                   |

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                      | 96.6                                   |

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                      | 96.6                                   |

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                      | 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                      | 80                                     |
| 3                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                             | 30                      | 93.3                                   |
| 4                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                             | 30                      | 76.6                                   |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                               |                                                                                                   | 120                     | 87.5                                   |

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                      | 100                                    |

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 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A |                                                                                                   |                         |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                       | 23-29                                                                                             | 30                      | 96.6                                   |
| 3                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                             | 30                      | 93.3                                   |
| 4                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                             | 30                      | 83.3                                   |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                               |                                                                                                   | 120                     | 90.83                                  |

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                      | 100                                    |

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                      | 93.3                                   |

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

**RBS40**
**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 $\left\{ \frac{1}{360} \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 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                      | 96.6                                   |
| 3                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                                          | 30                      | 93.3                                   |
| 4                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                                          | 30                      | 83.3                                   |
| 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                      | 100                                    |

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                      | 93.3                                   |

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                      | 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                      | 96.6                                   |
| 3                           | 6-10               | 200-500                                                                                                                                                         | 16-18                                                                                             | 30                      | 93.3                                   |
| 4                           | 11-20              | 200-500                                                                                                                                                         | 12-16                                                                                             | 30                      | 73.3                                   |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                                 |                                                                                                   | 120                     | 90.8                                   |

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                      | 100                                    |

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                      | 80                                     |
| 3                           | 6-10               | 200-500                                                                                                                                                         | 16-18                                                                                             | 30                      | 80                                     |
| 4                           | 11-20              | 200-500                                                                                                                                                         | 12-16                                                                                             | 30                      | 93.3                                   |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                                 |                                                                                                   | 120                     | 88.3                                   |

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                      | 100                                    |

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

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 $\left\{ \frac{1}{360} \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 30                      | 96.67                                  |
|                             |                    | 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                      | 73.33                                  |
| 3                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                                          | 30                      | 80                                     |
| 4                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                                          | 30                      | 83.33                                  |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                               |                                                                                                                | 120                     | 83.33                                  |

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                      | 80                                     |

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                      | 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                      | 83.33                                  |
| 3                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                             | 30                      | 80                                     |
| 4                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                             | 30                      | 83.33                                  |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                               |                                                                                                   | 120                     | 86.67                                  |

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 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                      | 76.7                                   |
| 3                           | 6-10               | 200-500                                                                                                                                                         | 16-18                                                                                             | 30                      | 83.3                                   |
| 4                           | 11-20              | 200-500                                                                                                                                                         | 12-16                                                                                             | 30                      | 80                                     |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                                 |                                                                                                   | 120                     | 85                                     |

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                      | 100                                    |

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                      | 93.3                                   |

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

## 6.2.5 Non- Occupancy Period

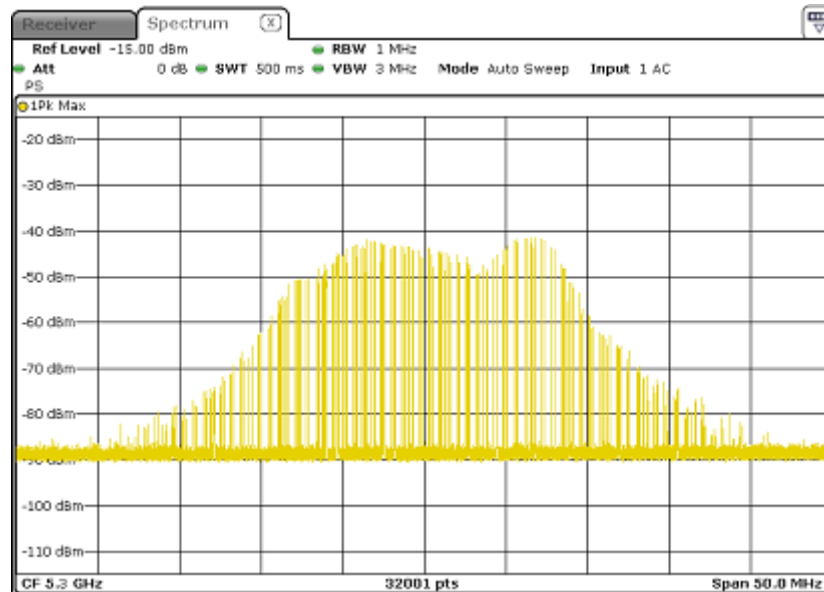
### Associate test:

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.

### For 5250~5350MHz

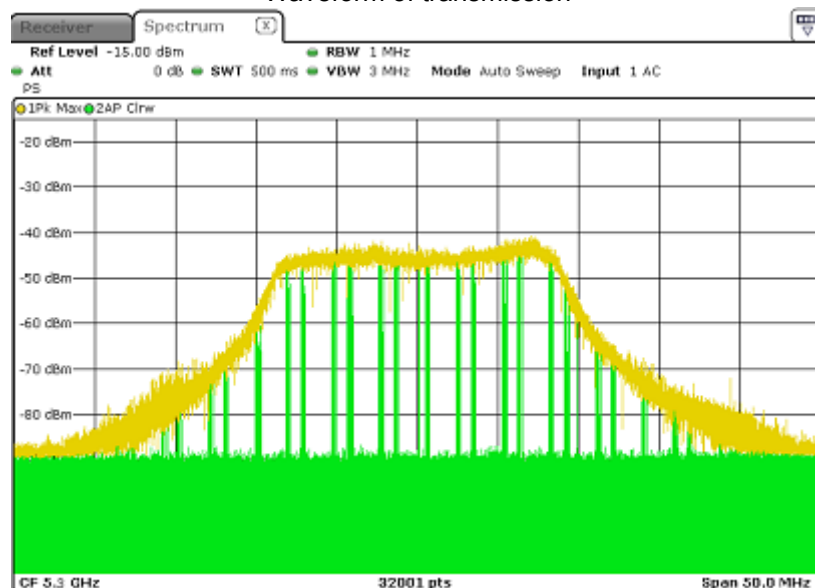
- 1) EUT links with client on 5300MHz.

Waveform of EUT links up with Master



- 2) Client plays specified files via master.

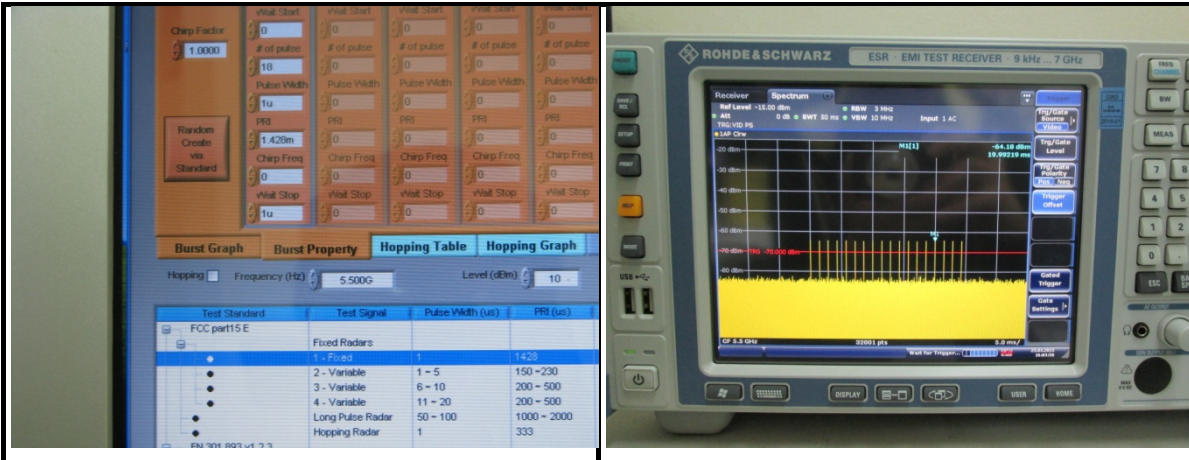
Waveform of transmission



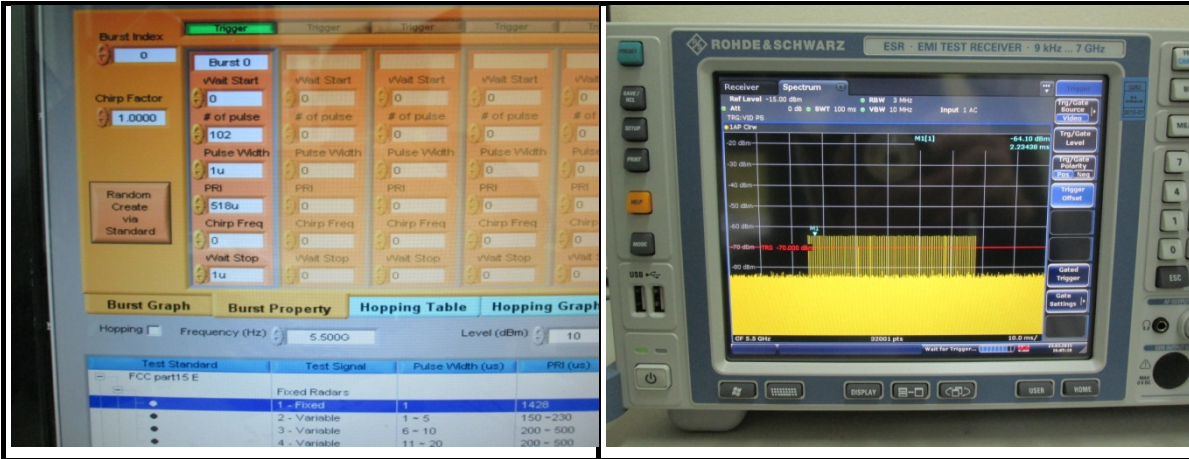


3) Radar signal is applied to the Master device and WiFi traffic signal stop immediately.

### Radar 0



### Radar 1

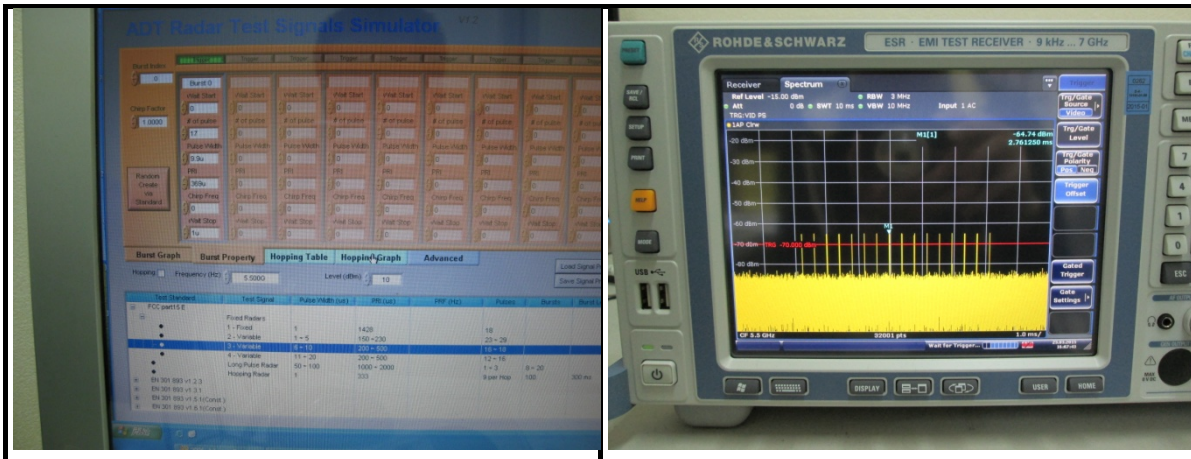


### Radar 2

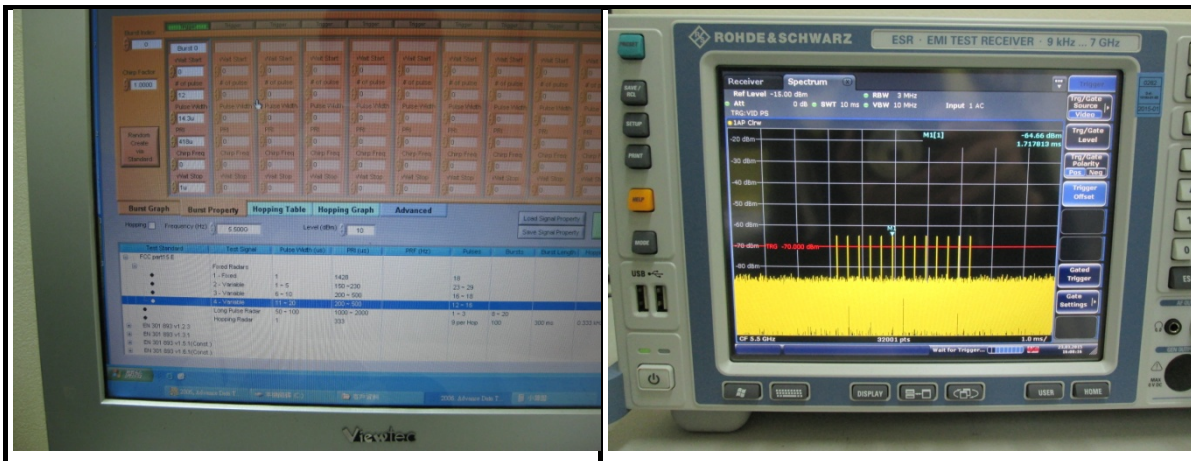




### Radar 3



### Radar 4



### Radar 5





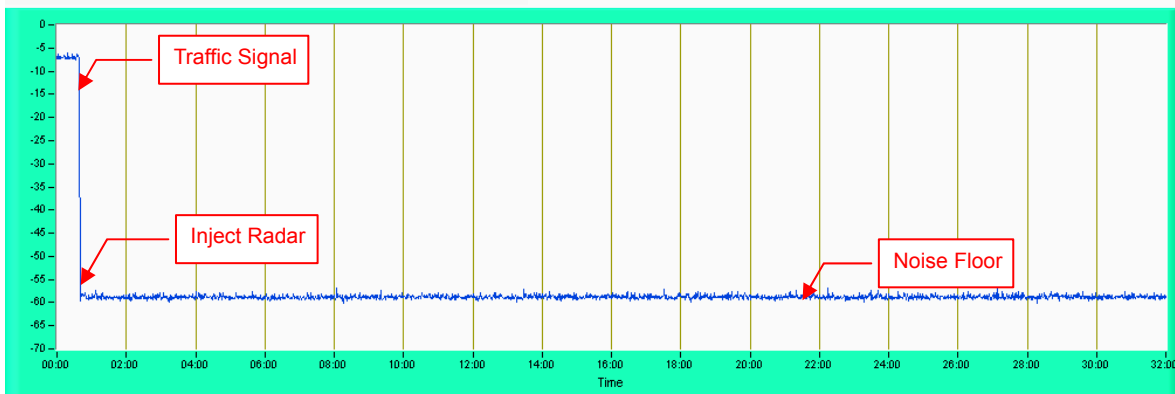
## Radar 6



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

Plot of 30minutes period

## 802.11an HT20

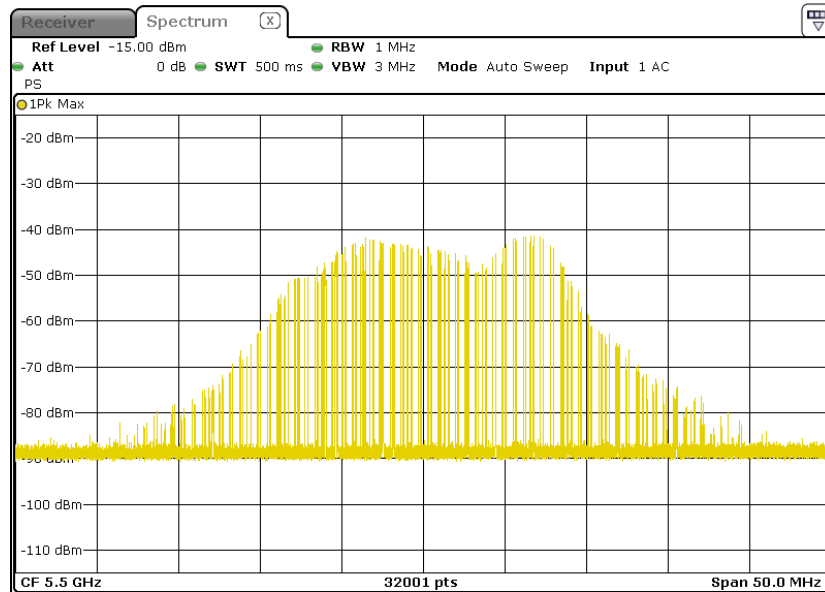


**NOTE:** Test setup are shown on Test setup photo.pdf

## For 5470~5725MHz

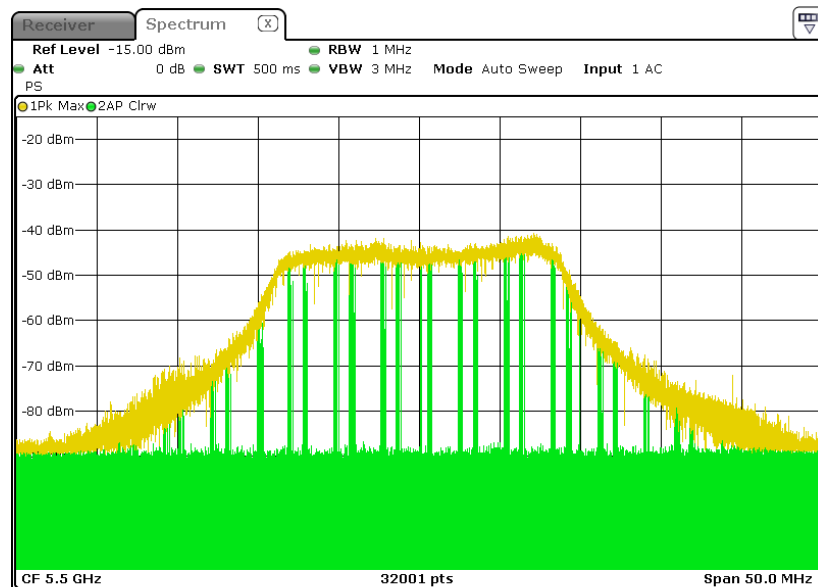
- 1) EUT links with client on 5500MHz.

Waveform of EUT links up with Master



- 2) Client plays specified files via master.

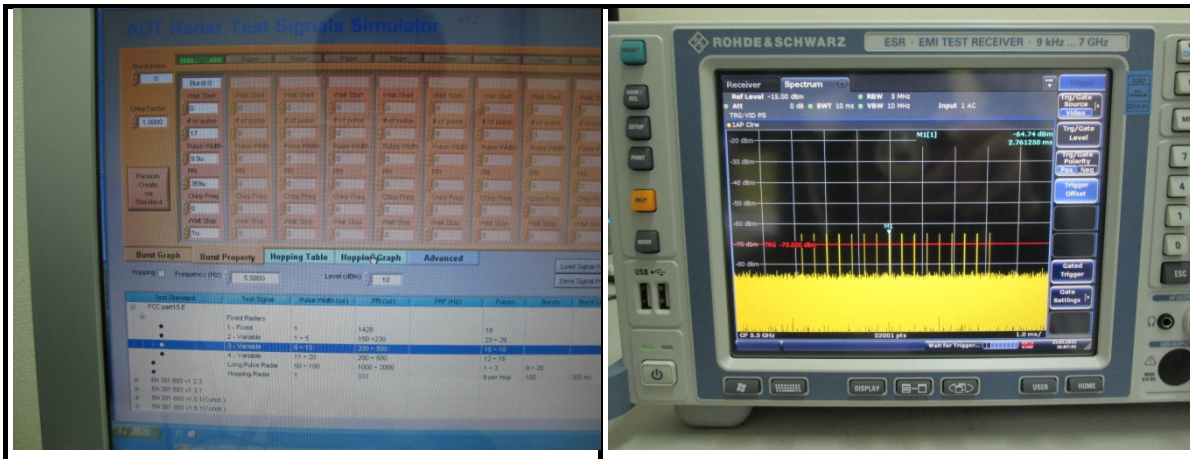
Waveform of transmission







### Radar 3



### Radar 4



### Radar 5



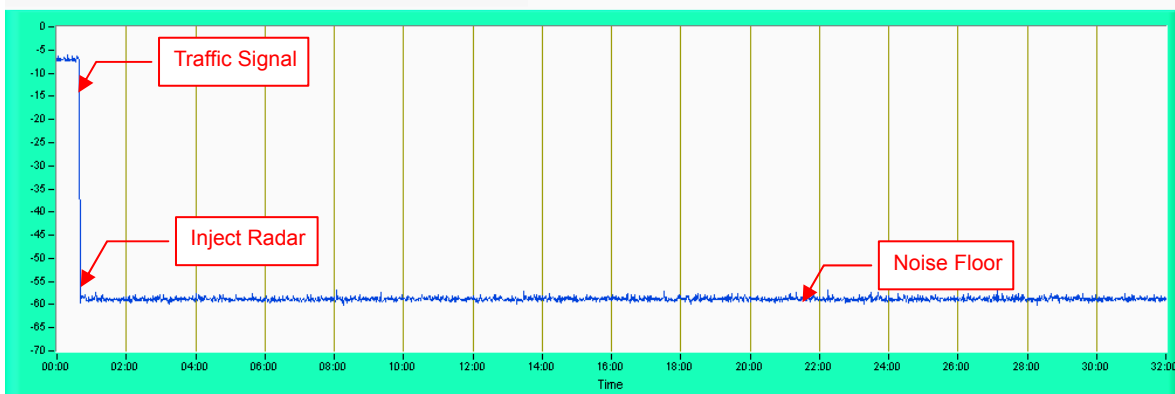
## Radar 6



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

Plot of 30minutes period

### 802.11an HT20



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

### 6.2.6 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 (5250 to 5350MHz and 5470 to 5725 MHz) will be used equally.

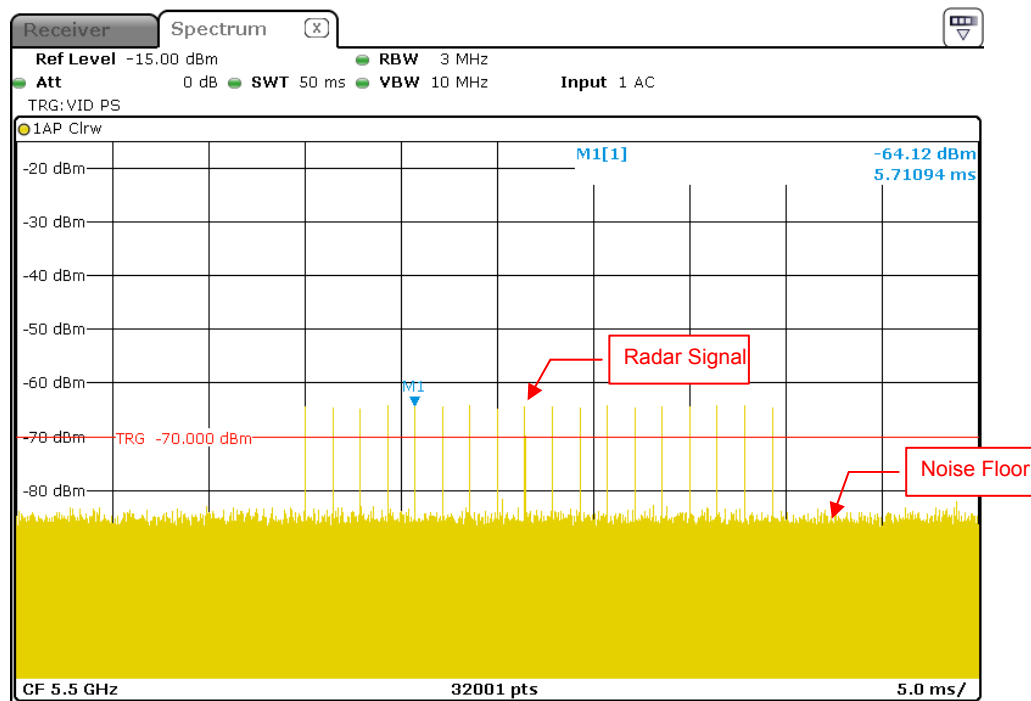
## 6.3 Test Results: Client

### 6.3.1 Test Mode

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 -64 dBm. The tested level is lower than required level hence it provides margin to the limit.



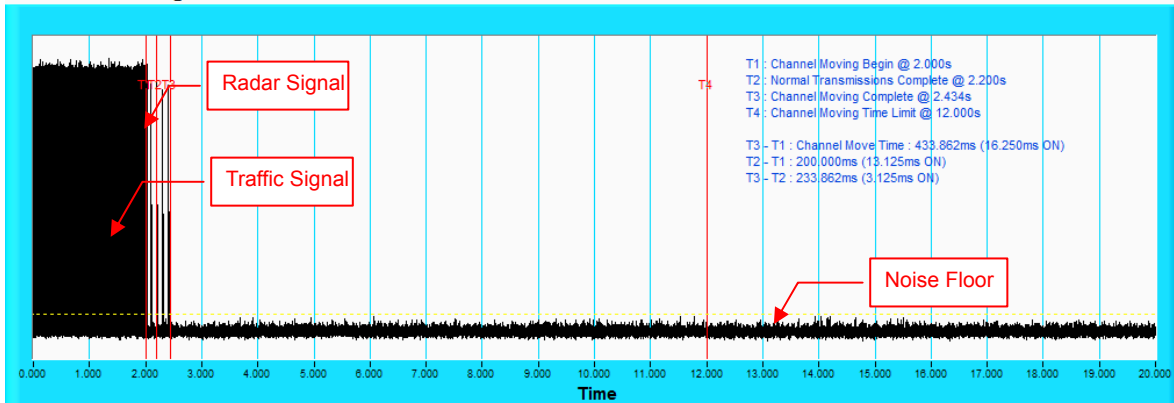
Radar Signal 0

## 6.3.2 Channel Closing Transmission and Channel Move Time

### Radar signal 0

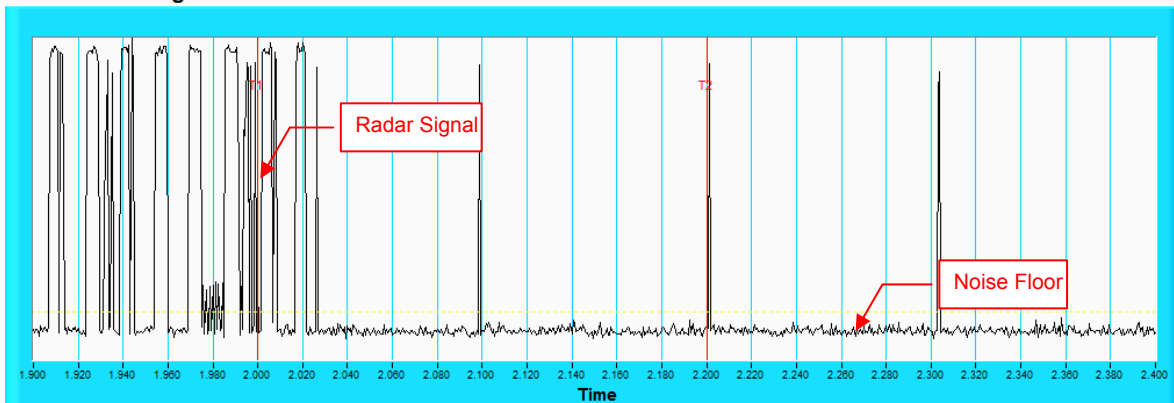
802.11ac (VHT20)

#### 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

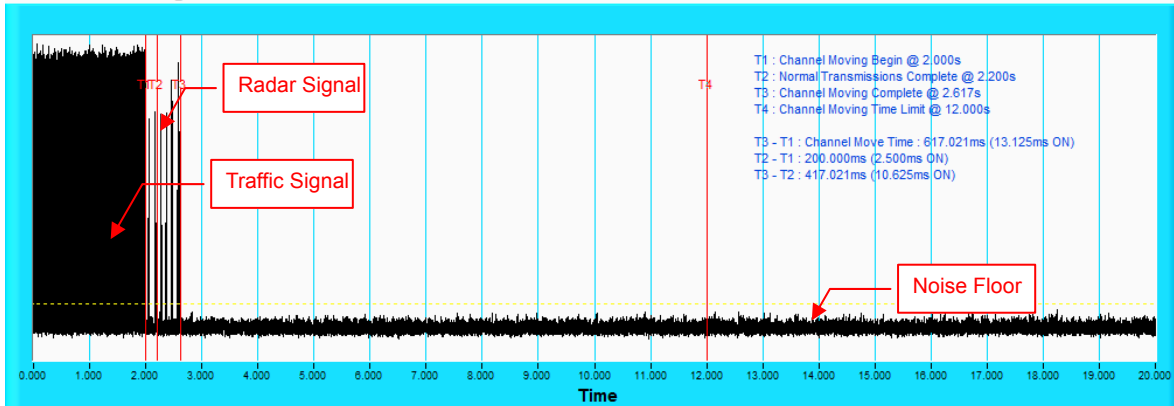


NOTE: Zoom-in of the first 500ms after radar signal applied.

## Radar signal 0

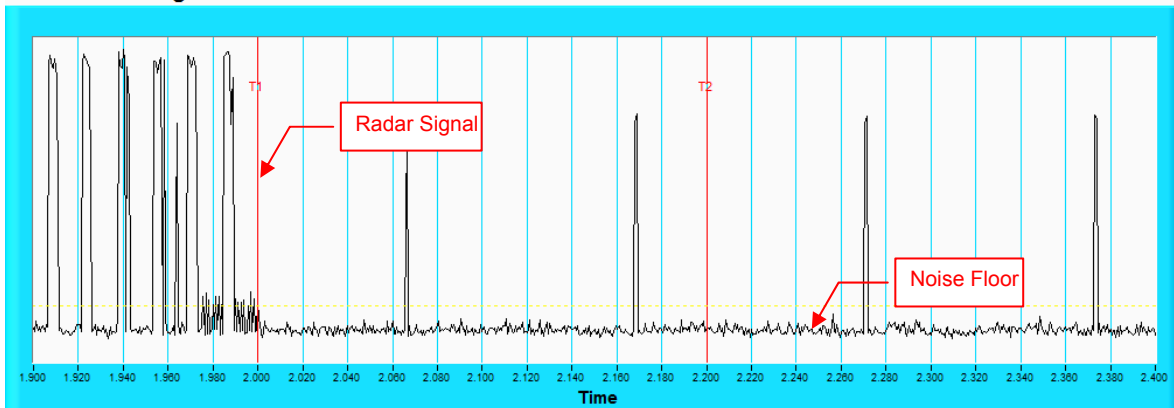
802.11ac (VHT40)

### 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



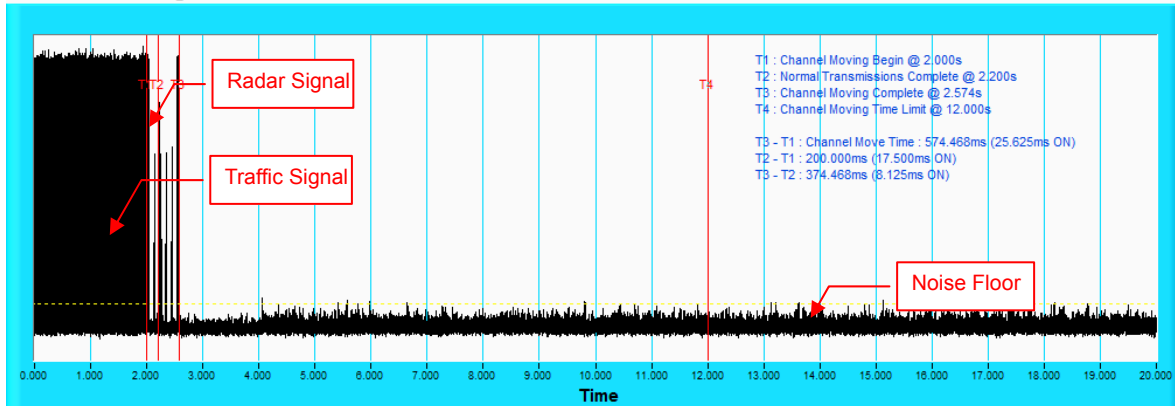
NOTE: Zoom-in of the first 500ms after radar signal applied.



## Radar signal 0

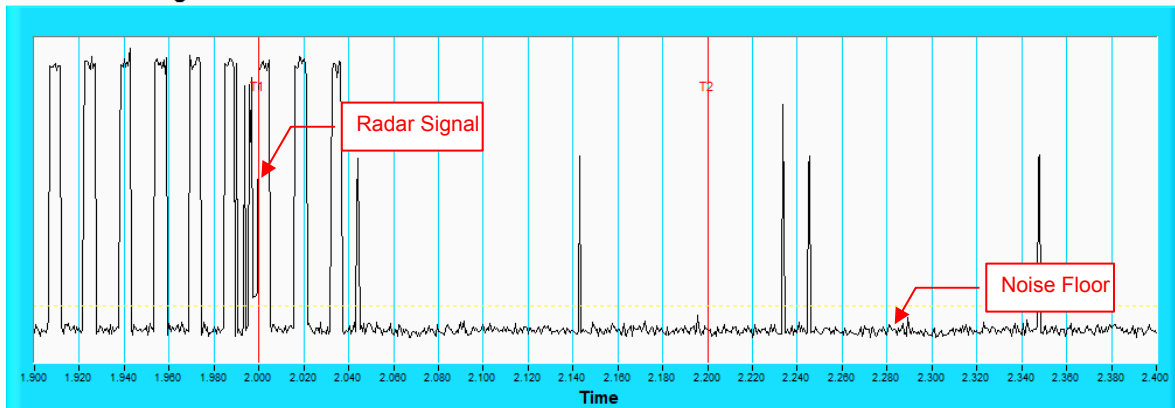
802.11ac (VHT80)

### 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.

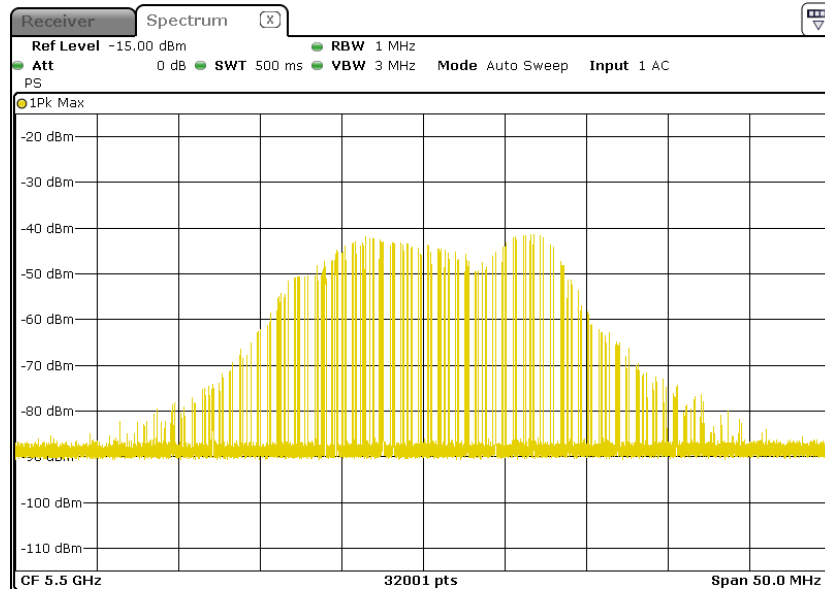
### 6.3.3 Non-Occupancy Period

#### 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.

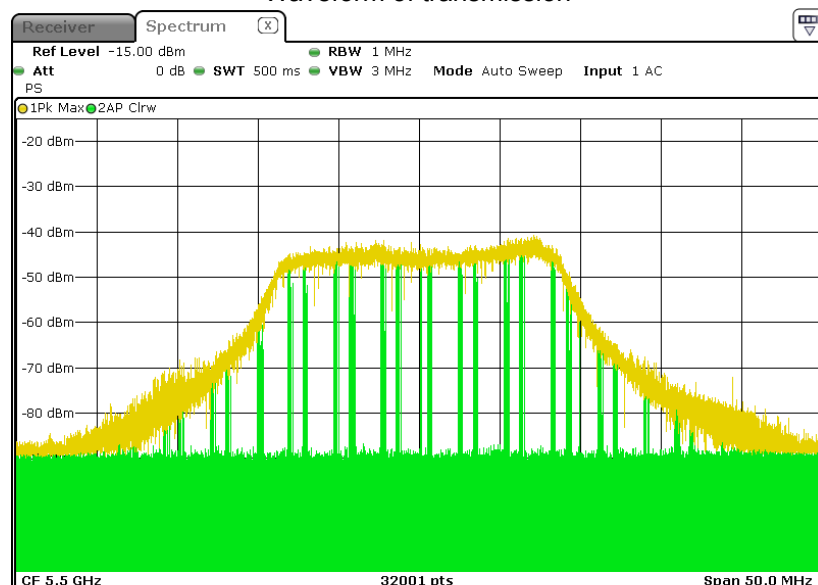
- 1) EUT (Client) links with master on 5500MHz.

Waveform of EUT links up with Master

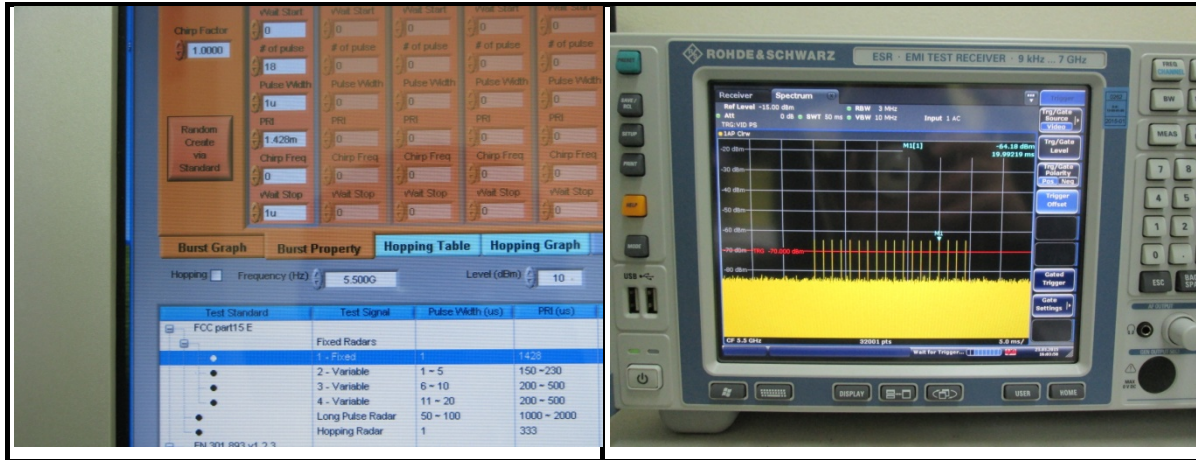


- 2) Client plays specified files via master.

Waveform of transmission



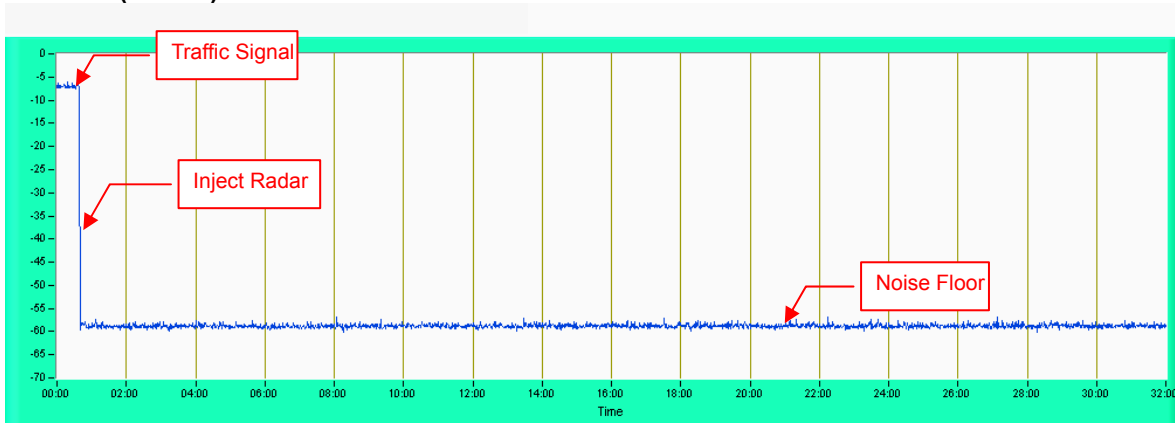
- 3) Radar signal 0 is applied to the Master device and WiFi traffic signal stop immediately.



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

Plot of 30minutes period

802.11ac (VHT20)



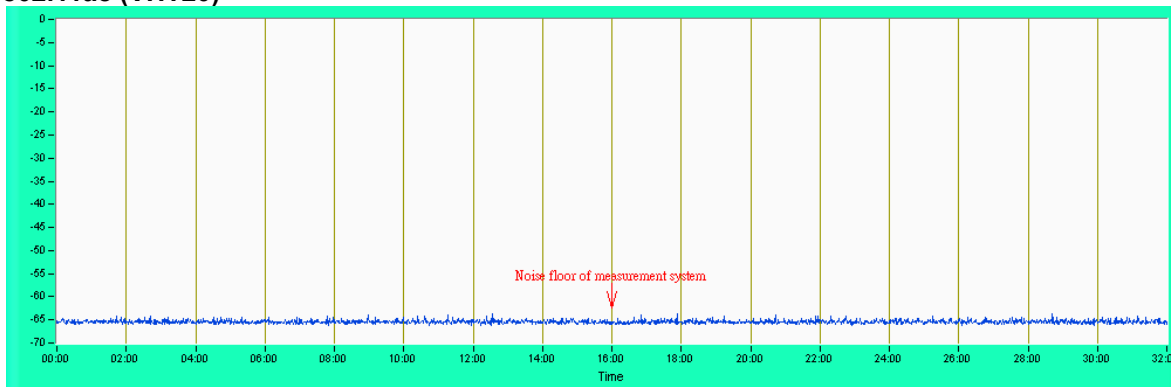
NOTE: Test setup are shown on Test setup photo.pdf

#### 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****RBR40****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) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 99               | 1.0u            | 538.0u  | 5291                  | Yes       |
| 2                                     | 95               | 1.0u            | 558.0u  | 5292                  | Yes       |
| 3                                     | 92               | 1.0u            | 578.0u  | 5293                  | Yes       |
| 4                                     | 86               | 1.0u            | 618.0u  | 5294                  | Yes       |
| 5                                     | 83               | 1.0u            | 638.0u  | 5295                  | Yes       |
| 6                                     | 81               | 1.0u            | 658.0u  | 5296                  | Yes       |
| 7                                     | 78               | 1.0u            | 678.0u  | 5297                  | Yes       |
| 8                                     | 76               | 1.0u            | 698.0u  | 5298                  | Yes       |
| 9                                     | 74               | 1.0u            | 718.0u  | 5299                  | Yes       |
| 10                                    | 67               | 1.0u            | 798.0u  | 5300                  | Yes       |
| 11                                    | 63               | 1.0u            | 838.0u  | 5301                  | Yes       |
| 12                                    | 62               | 1.0u            | 858.0u  | 5302                  | Yes       |
| 13                                    | 61               | 1.0u            | 878.0u  | 5303                  | Yes       |
| 14                                    | 59               | 1.0u            | 898.0u  | 5304                  | Yes       |
| 15                                    | 58               | 1.0u            | 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                  | No        |
| 7                                     | 24               | 4.7u            | 161.0u  | 5297                  | No        |
| 8                                     | 28               | 1.9u            | 180.0u  | 5298                  | Yes       |
| 9                                     | 29               | 1.3u            | 176.0u  | 5299                  | Yes       |
| 10                                    | 23               | 1.8u            | 170.0u  | 5300                  | No        |
| 11                                    | 29               | 1.4u            | 195.0u  | 5301                  | Yes       |
| 12                                    | 25               | 3.4u            | 228.0u  | 5302                  | Yes       |
| 13                                    | 26               | 2.3u            | 206.0u  | 5303                  | No        |
| 14                                    | 27               | 4.5u            | 189.0u  | 5304                  | Yes       |
| 15                                    | 25               | 3.9u            | 194.0u  | 5302                  | Yes       |
| 16                                    | 25               | 3.0u            | 154.0u  | 5303                  | No        |
| 17                                    | 23               | 3.6u            | 182.0u  | 5304                  | Yes       |
| 18                                    | 26               | 3.4u            | 160.0u  | 5305                  | Yes       |
| 19                                    | 25               | 3.3u            | 229.0u  | 5306                  | No        |
| 20                                    | 23               | 1.9u            | 151.0u  | 5307                  | Yes       |
| 21                                    | 25               | 1.8u            | 184.0u  | 5308                  | Yes       |
| 22                                    | 28               | 2.3u            | 229.0u  | 5309                  | No        |
| 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                  | 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: 76.6 %                |                  |                 |         |                       |           |

| 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                  | No        |
| 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                  | Yes       |
| 12                                    | 17               | 9.1u            | 226.0u  | 5302                  | Yes       |
| 13                                    | 16               | 6.9u            | 297.0u  | 5303                  | Yes       |
| 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                  | No        |
| 25                                    | 16               | 7.4u            | 292.0u  | 5299                  | No        |
| 26                                    | 16               | 9.8u            | 489.0u  | 5300                  | No        |
| 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: 86.6 %                |                  |                 |         |                       |           |



| 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                  | Yes       |
| 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                  | No        |
| 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                  | Yes       |
| 13                                    | 16               | 17.8u           | 256.0u  | 5303                  | Yes       |
| 14                                    | 16               | 13.1u           | 420.0u  | 5304                  | No        |
| 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                  | 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                  | 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                  | 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     | 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     | Yes                    |
| 30                                    | LP_Signal_30     | No                     |
|                                       |                  | Detection Rate: 96.6 % |

| Long Pulse Radar Test Signal<br>Test Signal Name: LP_Signal_01<br>Number of Bursts in Trial: 16<br>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                | 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<br>Test Signal Name: LP_Signal_02<br>Number of Bursts in Trial: 11<br>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                | 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  
Chirp Center Frequency: 5293MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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  
Chirp Center Frequency: 5293MHz

| Burst | Pulses per Burst | Chirp (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<br>Test Signal Name: LP_Signal_05<br>Number of Bursts in Trial: 10<br>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<br>Test Signal Name: LP_Signal_06<br>Number of Bursts in Trial: 14<br>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<br>Test Signal Name: LP_Signal_07<br>Number of Bursts in Trial: 13<br>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<br>Test Signal Name: LP_Signal_08<br>Number of Bursts in Trial: 8<br>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<br>Test Signal Name: LP_Signal_09<br>Number of Bursts in Trial: 16<br>Chrip Center Frequency: 5299MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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<br>Test Signal Name: LP_Signal_10<br>Number of Bursts in Trial: 18<br>Chrip Center Frequency: 5299MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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 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         | 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 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         | 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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<br>Test Signal Name: LP_Signal_16<br>Number of Bursts in Trial: 16<br>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                                                                                                                                  | 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<br>Test Signal Name: LP_Signal_17<br>Number of Bursts in Trial: 9<br>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<br>Test Signal Name: LP_Signal_18<br>Number of Bursts in Trial: 12<br>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<br>Test Signal Name: LP_Signal_19<br>Number of Bursts in Trial: 10<br>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                                                                                                                                  | 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<br>Test Signal Name: LP_Signal_20<br>Number of Bursts in Trial: 20<br>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                                                                                                                                  | 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<br>Test Signal Name: LP_Signal_21<br>Number of Bursts in Trial: 16<br>Chrip Center Frequency: 5307MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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         | 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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<br>Test Signal Name: LP_Signal_24<br>Number of Bursts in Trial: 9<br>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<br>Test Signal Name: LP_Signal_25<br>Number of Bursts in Trial: 10<br>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<br>Test Signal Name: LP_Signal_26<br>Number of Bursts in Trial: 11<br>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<br>Test Signal Name: LP_Signal_27<br>Number of Bursts in Trial: 17<br>Chrip Center Frequency: 5302MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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<br>Test Signal Name: LP_Signal_28<br>Number of Bursts in Trial: 10<br>Chrip Center Frequency: 5302MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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  
Chirp Center Frequency: 5301MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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  
Chirp Center Frequency: 5301MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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  | No                     |
| 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: 96.6 % |

| 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                 | No                     |
| 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: 96.6 % |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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         |

**IEEE 802.11ac VHT40****Type 1 Radar Statistical Performances**

| Trial #                 | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
|-------------------------|------------------|-----------------|---------|-----------------------|-----------|
| 1                       | 102              | 1.0u            | 518.0u  | 5291                  | Yes       |
| 2                       | 95               | 1.0u            | 558.0u  | 5293                  | Yes       |
| 3                       | 89               | 1.0u            | 598.0u  | 5294                  | Yes       |
| 4                       | 83               | 1.0u            | 638.0u  | 5295                  | Yes       |
| 5                       | 78               | 1.0u            | 678.0u  | 5297                  | Yes       |
| 6                       | 76               | 1.0u            | 698.0u  | 5299                  | Yes       |
| 7                       | 74               | 1.0u            | 718.0u  | 5300                  | Yes       |
| 8                       | 72               | 1.0u            | 738.0u  | 5301                  | Yes       |
| 9                       | 68               | 1.0u            | 778.0u  | 5303                  | Yes       |
| 10                      | 67               | 1.0u            | 798.0u  | 5305                  | Yes       |
| 11                      | 63               | 1.0u            | 838.0u  | 5306                  | Yes       |
| 12                      | 62               | 1.0u            | 858.0u  | 5307                  | Yes       |
| 13                      | 59               | 1.0u            | 898.0u  | 5308                  | Yes       |
| 14                      | 58               | 1.0u            | 918.0u  | 5309                  | Yes       |
| 15                      | 57               | 1.0u            | 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                  | 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: 100.0 % |                  |                 |         |                       |           |



| 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                  | No        |
| 6                                     | 27               | 1.7u            | 172.0u  | 5299                  | No        |
| 7                                     | 26               | 1.6u            | 191.0u  | 5300                  | No        |
| 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                  | No        |
| 13                                    | 28               | 4.9u            | 224.0u  | 5308                  | No        |
| 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                  | Yes       |
| 27                                    | 27               | 4.5u            | 215.0u  | 5326                  | No        |
| 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: 80.0 %                |                  |                 |         |                       |           |

| 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                  | Yes       |
| 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                  | No        |
| 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: 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                  | No                     |
| 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                  | No                     |
| 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                  | No                     |
| 16                                    | 15               | 16.6u           | 436.0u  | 5312                  | No                     |
| 17                                    | 15               | 16.8u           | 298.0u  | 5313                  | Yes                    |
| 18                                    | 13               | 14.9u           | 459.0u  | 5314                  | No                     |
| 19                                    | 14               | 19.5u           | 286.0u  | 5316                  | Yes                    |
| 20                                    | 16               | 18.4u           | 462.0u  | 5317                  | Yes                    |
| 21                                    | 15               | 19.0u           | 314.0u  | 5319                  | No                     |
| 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                  | No                     |
|                                       |                  |                 |         |                       | Detection Rate: 76.6 % |

| 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     | 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     | Yes                     |
| 30                                    | LP_Signal_30     | Yes                     |
|                                       |                  | Detection Rate: 100.0 % |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_01  
Number of Bursts in Trial: 19  
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         | 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<br>Test Signal Name: LP_Signal_03<br>Number of Bursts in Trial: 9<br>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<br>Test Signal Name: LP_Signal_04<br>Number of Bursts in Trial: 11<br>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         | 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<br>Test Signal Name: LP_Signal_05<br>Number of Bursts in Trial: 12<br>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                                                                                                                                  | 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 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        | 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 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        | 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<br>Test Signal Name: LP_Signal_08<br>Number of Bursts in Trial: 9<br>Chrip Center Frequency: 5298MHz |                  |            |                 |                          |                          |                    |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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        | 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<br>Test Signal Name: LP_Signal_09<br>Number of Bursts in Trial: 13<br>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                | 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<br>Test Signal Name: LP_Signal_10<br>Number of Bursts in Trial: 18<br>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                                                                                                                                  | 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 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: 19

Chrip Center Frequency: 5310MHz

| 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                | 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<br>Test Signal Name: LP_Signal_13<br>Number of Bursts in Trial: 12<br>Chrip Center Frequency: 5310MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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<br>Test Signal Name: LP_Signal_14<br>Number of Bursts in Trial: 13<br>Chrip Center Frequency: 5310MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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<br>Test Signal Name: LP_Signal_15<br>Number of Bursts in Trial: 17<br>Chrip Center Frequency: 5310MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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        | 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 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\_17

Number of Bursts in Trial: 19

Chrip Center Frequency: 5310MHz

| 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                | 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  
Chirp Center Frequency: 5310MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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  
Chirp Center Frequency: 5310MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 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         | 64.8u           | 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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<br>Test Signal Name: LP_Signal_24<br>Number of Bursts in Trial: 10<br>Chrip Center Frequency: 5326MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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         | 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<br>Test Signal Name: LP_Signal_25<br>Number of Bursts in Trial: 8<br>Chrip Center Frequency: 5324MHz |                  |            |                 |                          |                          |                    |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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<br>Test Signal Name: LP_Signal_26<br>Number of Bursts in Trial: 19<br>Chrip Center Frequency: 5324MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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<br>Test Signal Name: LP_Signal_27<br>Number of Bursts in Trial: 9<br>Chrip Center Frequency: 5321MHz |                  |            |                 |                          |                          |                    |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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<br>Test Signal Name: LP_Signal_28<br>Number of Bursts in Trial: 17<br>Chrip Center Frequency: 5321MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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<br>Test Signal Name: LP_Signal_29<br>Number of Bursts in Trial: 10<br>Chrip Center Frequency: 5320MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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         |

**IEEE 802.11ac VHT80****Type 1 Radar Statistical Performances**

| Trial #               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
|-----------------------|------------------|-----------------|---------|-----------------------|-----------|
| 1                     | 89               | 1.0u            | 598.0u  | 5252                  | Yes       |
| 2                     | 81               | 1.0u            | 658.0u  | 5255                  | Yes       |
| 3                     | 86               | 1.0u            | 618.0u  | 5257                  | Yes       |
| 4                     | 78               | 1.0u            | 678.0u  | 5258                  | Yes       |
| 5                     | 76               | 1.0u            | 698.0u  | 5260                  | Yes       |
| 6                     | 72               | 1.0u            | 738.0u  | 5261                  | Yes       |
| 7                     | 70               | 1.0u            | 758.0u  | 5263                  | Yes       |
| 8                     | 68               | 1.0u            | 778.0u  | 5265                  | Yes       |
| 9                     | 65               | 1.0u            | 818.0u  | 5267                  | Yes       |
| 10                    | 63               | 1.0u            | 838.0u  | 5269                  | Yes       |
| 11                    | 62               | 1.0u            | 858.0u  | 5271                  | Yes       |
| 12                    | 61               | 1.0u            | 878.0u  | 5273                  | Yes       |
| 13                    | 59               | 1.0u            | 898.0u  | 5275                  | Yes       |
| 14                    | 58               | 1.0u            | 918.0u  | 5277                  | Yes       |
| 15                    | 57               | 1.0u            | 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                  | No        |
| 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                  | 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: 96.6 %                |                  |                 |         |                       |           |

| 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                  | No        |
| 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                  | No        |
| 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                  | No        |
| 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                  | No        |
| 30                                    | 17               | 7.0u            | 429.0u  | 5328                  | Yes       |
| Detection Rate: 83.3 %                |                  |                 |         |                       |           |

| 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                  | Yes       |
| 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                  | No        |
| 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                  | No        |
| 19                                    | 14               | 19.9u           | 499.0u  | 5292                  | No        |
| 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                  | No        |
| 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                  | No        |
| 30                                    | 13               | 15.2u           | 226.0u  | 5328                  | Yes       |
| Detection Rate: 83.3 %                |                  |                 |         |                       |           |

| 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     | 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     | Yes                     |
| 30                                    | LP_Signal_30     | Yes                     |
|                                       |                  | Detection Rate: 100.0 % |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_01  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 12   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5254MHz |                  |            |                 |                          |                          |                    |
| 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\_02  
Number of Bursts in Trial: 18  
Chirp Center Frequency: 5254MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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  
Chirp Center Frequency: 5254MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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  
Chirp Center Frequency: 5254MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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  
Chirp Center Frequency: 5257MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 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_07  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 11   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5258MHz |                  |            |                 |                          |                          |                    |
| 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                | 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<br>Test Signal Name: LP_Signal_08<br>Number of Bursts in Trial: 16<br>Chrip Center Frequency: 5258MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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<br>Test Signal Name: LP_Signal_09<br>Number of Bursts in Trial: 16<br>Chrip Center Frequency: 5260MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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  
Chirp Center Frequency: 5260MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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  
Chirp Center Frequency: 5290MHz

| Burst | Pulses per Burst | Chirp (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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<br>Test Signal Name: LP_Signal_14<br>Number of Bursts in Trial: 18<br>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                | 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<br>Test Signal Name: LP_Signal_15<br>Number of Bursts in Trial: 8<br>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<br>Test Signal Name: LP_Signal_16<br>Number of Bursts in Trial: 9<br>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<br>Test Signal Name: LP_Signal_17<br>Number of Bursts in Trial: 16<br>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                | 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<br>Test Signal Name: LP_Signal_18<br>Number of Bursts in Trial: 12<br>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                                                                                                                                  | 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<br>Test Signal Name: LP_Signal_19<br>Number of Bursts in Trial: 10<br>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                | 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 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<br>Test Signal Name: LP_Signal_22<br>Number of Bursts in Trial: 16<br>Chrip Center Frequency: 5326MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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         | 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<br>Test Signal Name: LP_Signal_23<br>Number of Bursts in Trial: 12<br>Chrip Center Frequency: 5324MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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        | 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<br>Test Signal Name: LP_Signal_24<br>Number of Bursts in Trial: 9<br>Chrip Center Frequency: 5324MHz |                  |            |                 |                          |                          |                    |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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<br>Test Signal Name: LP_Signal_25<br>Number of Bursts in Trial: 9<br>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<br>Test Signal Name: LP_Signal_26<br>Number of Bursts in Trial: 12<br>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<br>Test Signal Name: LP_Signal_27<br>Number of Bursts in Trial: 19<br>Chrip Center Frequency: 5322MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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   |                  |            |                 |                          |                          |                    |
| Chirp Center Frequency: 5320MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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         |

**RBS40****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) | PRI (s) | Radar Frequency (MHz) | Detection |
|---------|------------------|-----------------|---------|-----------------------|-----------|
| 1       | 99               | 1.0u            | 538.0u  | 5291                  | Yes       |
| 2       | 95               | 1.0u            | 558.0u  | 5292                  | Yes       |
| 3       | 92               | 1.0u            | 578.0u  | 5293                  | Yes       |
| 4       | 86               | 1.0u            | 618.0u  | 5294                  | Yes       |
| 5       | 83               | 1.0u            | 638.0u  | 5295                  | Yes       |
| 6       | 81               | 1.0u            | 658.0u  | 5296                  | Yes       |
| 7       | 78               | 1.0u            | 678.0u  | 5297                  | Yes       |
| 8       | 76               | 1.0u            | 698.0u  | 5298                  | Yes       |
| 9       | 74               | 1.0u            | 718.0u  | 5299                  | Yes       |
| 10      | 67               | 1.0u            | 798.0u  | 5300                  | Yes       |
| 11      | 63               | 1.0u            | 838.0u  | 5301                  | Yes       |
| 12      | 62               | 1.0u            | 858.0u  | 5302                  | Yes       |
| 13      | 61               | 1.0u            | 878.0u  | 5303                  | Yes       |
| 14      | 59               | 1.0u            | 898.0u  | 5304                  | Yes       |
| 15      | 58               | 1.0u            | 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                  | 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                  | No        |
| 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                  | 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: 96.6 %                |                  |                 |         |                       |           |

| 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                  | No        |
| 5                                     | 18               | 7.3u            | 446.0u  | 5295                  | No        |
| 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                  | Yes       |
| 12                                    | 17               | 9.1u            | 226.0u  | 5302                  | Yes       |
| 13                                    | 16               | 6.9u            | 297.0u  | 5303                  | Yes       |
| 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                  | 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               | 18.2u           | 402.0u  | 5291                  | Yes       |
| 2                                     | 13               | 14.5u           | 226.0u  | 5292                  | Yes       |
| 3                                     | 15               | 13.7u           | 340.0u  | 5293                  | Yes       |
| 4                                     | 16               | 12.2u           | 469.0u  | 5294                  | No        |
| 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                  | No        |
| 9                                     | 16               | 16.2u           | 202.0u  | 5299                  | No        |
| 10                                    | 15               | 19.8u           | 363.0u  | 5300                  | Yes       |
| 11                                    | 14               | 11.8u           | 424.0u  | 5301                  | No        |
| 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                  | Yes       |
| 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                  | 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                  | No        |
| 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: 83.3 %                |                  |                 |         |                       |           |

| 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     | 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     | Yes                     |
| 30                                    | LP_Signal_30     | Yes                     |
|                                       |                  | Detection Rate: 100.0 % |

| Long Pulse Radar Test Signal<br>Test Signal Name: LP_Signal_01<br>Number of Bursts in Trial: 16<br>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                | 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<br>Test Signal Name: LP_Signal_02<br>Number of Bursts in Trial: 11<br>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                | 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  
Chirp Center Frequency: 5293MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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  
Chirp Center Frequency: 5293MHz

| Burst | Pulses per Burst | Chirp (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<br>Test Signal Name: LP_Signal_05<br>Number of Bursts in Trial: 10<br>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<br>Test Signal Name: LP_Signal_06<br>Number of Bursts in Trial: 14<br>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<br>Test Signal Name: LP_Signal_07<br>Number of Bursts in Trial: 13<br>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<br>Test Signal Name: LP_Signal_08<br>Number of Bursts in Trial: 8<br>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<br>Test Signal Name: LP_Signal_09<br>Number of Bursts in Trial: 16<br>Chrip Center Frequency: 5299MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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<br>Test Signal Name: LP_Signal_10<br>Number of Bursts in Trial: 18<br>Chrip Center Frequency: 5299MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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 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         | 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 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         | 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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<br>Test Signal Name: LP_Signal_16<br>Number of Bursts in Trial: 16<br>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                                                                                                                                  | 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<br>Test Signal Name: LP_Signal_17<br>Number of Bursts in Trial: 9<br>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<br>Test Signal Name: LP_Signal_18<br>Number of Bursts in Trial: 12<br>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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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   |                  |            |                 |                          |                          |                    |
| Chirp Center Frequency: 5307MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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   |                  |            |                 |                          |                          |                    |
| Chirp Center Frequency: 5307MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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<br>Test Signal Name: LP_Signal_23<br>Number of Bursts in Trial: 10<br>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<br>Test Signal Name: LP_Signal_24<br>Number of Bursts in Trial: 9<br>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<br>Test Signal Name: LP_Signal_25<br>Number of Bursts in Trial: 10<br>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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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   |                  |            |                 |                          |                          |                    |
| Chirp Center Frequency: 5301MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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  | No                     |
| 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  | No                     |
| 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: 93.3 % |



| 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                 | No                     |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes                    |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes                    |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes                    |
| 20                                    | HOP_FREQ_SEQ_20                 | No                     |
| 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: 93.3 % |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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         |



**IEEE 802.11ac VHT40****Type 1 Radar Statistical Performances**

| Trial #                 | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
|-------------------------|------------------|-----------------|---------|-----------------------|-----------|
| 1                       | 102              | 1.0u            | 518.0u  | 5291                  | Yes       |
| 2                       | 95               | 1.0u            | 558.0u  | 5293                  | Yes       |
| 3                       | 89               | 1.0u            | 598.0u  | 5294                  | Yes       |
| 4                       | 83               | 1.0u            | 638.0u  | 5295                  | Yes       |
| 5                       | 78               | 1.0u            | 678.0u  | 5297                  | Yes       |
| 6                       | 76               | 1.0u            | 698.0u  | 5299                  | Yes       |
| 7                       | 74               | 1.0u            | 718.0u  | 5300                  | Yes       |
| 8                       | 72               | 1.0u            | 738.0u  | 5301                  | Yes       |
| 9                       | 68               | 1.0u            | 778.0u  | 5303                  | Yes       |
| 10                      | 67               | 1.0u            | 798.0u  | 5305                  | Yes       |
| 11                      | 63               | 1.0u            | 838.0u  | 5306                  | Yes       |
| 12                      | 62               | 1.0u            | 858.0u  | 5307                  | Yes       |
| 13                      | 59               | 1.0u            | 898.0u  | 5308                  | Yes       |
| 14                      | 58               | 1.0u            | 918.0u  | 5309                  | Yes       |
| 15                      | 57               | 1.0u            | 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                  | 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: 100.0 % |                  |                 |         |                       |           |

| 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                  | Yes       |
| 20                                    | 27               | 4.3u            | 214.0u  | 5317                  | No        |
| 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: 96.6 %                |                  |                 |         |                       |           |

| 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                  | No        |
| 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                  | Yes       |
| 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: 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                  | No        |
| 3                                     | 13               | 18.4u           | 392.0u  | 5294                  | Yes       |
| 4                                     | 16               | 14.9u           | 457.0u  | 5295                  | No        |
| 5                                     | 13               | 15.9u           | 337.0u  | 5297                  | Yes       |
| 6                                     | 14               | 13.7u           | 413.0u  | 5299                  | Yes       |
| 7                                     | 13               | 13.6u           | 263.0u  | 5300                  | No        |
| 8                                     | 14               | 11.2u           | 484.0u  | 5301                  | No        |
| 9                                     | 12               | 11.6u           | 341.0u  | 5303                  | No        |
| 10                                    | 14               | 18.2u           | 448.0u  | 5305                  | Yes       |
| 11                                    | 14               | 14.2u           | 423.0u  | 5306                  | Yes       |
| 12                                    | 14               | 12.4u           | 470.0u  | 5307                  | No        |
| 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                  | No        |
| 18                                    | 13               | 14.9u           | 459.0u  | 5314                  | Yes       |
| 19                                    | 14               | 19.5u           | 286.0u  | 5316                  | No        |
| 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: 73.3 %                |                  |                 |         |                       |           |

| 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     | 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     | Yes                     |
| 30                                    | LP_Signal_30     | Yes                     |
|                                       |                  | Detection Rate: 100.0 % |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_01  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 19   |                  |            |                 |                          |                          |                    |
| 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         | 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<br>Test Signal Name: LP_Signal_03<br>Number of Bursts in Trial: 9<br>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<br>Test Signal Name: LP_Signal_04<br>Number of Bursts in Trial: 11<br>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         | 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<br>Test Signal Name: LP_Signal_05<br>Number of Bursts in Trial: 12<br>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                                                                                                                                  | 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<br>Test Signal Name: LP_Signal_06<br>Number of Bursts in Trial: 10<br>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                | 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<br>Test Signal Name: LP_Signal_07<br>Number of Bursts in Trial: 17<br>Chrip Center Frequency: 5298MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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        | 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<br>Test Signal Name: LP_Signal_08<br>Number of Bursts in Trial: 9<br>Chrip Center Frequency: 5298MHz |                  |            |                 |                          |                          |                    |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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        | 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 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: 19  
Chrip Center Frequency: 5310MHz

| 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                | 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 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        | 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 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_17  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 19   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5310MHz |                  |            |                 |                          |                          |                    |
| 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                | 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 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         | 64.8u           | 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<br>Test Signal Name: LP_Signal_23<br>Number of Bursts in Trial: 11<br>Chrip Center Frequency: 5326MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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<br>Test Signal Name: LP_Signal_24<br>Number of Bursts in Trial: 10<br>Chrip Center Frequency: 5326MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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         | 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<br>Test Signal Name: LP_Signal_25<br>Number of Bursts in Trial: 8<br>Chrip Center Frequency: 5324MHz |                  |            |                 |                          |                          |                    |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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         |

**IEEE 802.11ac VHT80****Type 1 Radar Statistical Performances**

| Trial #               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
|-----------------------|------------------|-----------------|---------|-----------------------|-----------|
| 1                     | 89               | 1.0u            | 598.0u  | 5252                  | Yes       |
| 2                     | 81               | 1.0u            | 658.0u  | 5255                  | Yes       |
| 3                     | 86               | 1.0u            | 618.0u  | 5257                  | Yes       |
| 4                     | 78               | 1.0u            | 678.0u  | 5258                  | Yes       |
| 5                     | 76               | 1.0u            | 698.0u  | 5260                  | Yes       |
| 6                     | 72               | 1.0u            | 738.0u  | 5261                  | Yes       |
| 7                     | 70               | 1.0u            | 758.0u  | 5263                  | Yes       |
| 8                     | 68               | 1.0u            | 778.0u  | 5265                  | Yes       |
| 9                     | 65               | 1.0u            | 818.0u  | 5267                  | Yes       |
| 10                    | 63               | 1.0u            | 838.0u  | 5269                  | Yes       |
| 11                    | 62               | 1.0u            | 858.0u  | 5271                  | Yes       |
| 12                    | 61               | 1.0u            | 878.0u  | 5273                  | Yes       |
| 13                    | 59               | 1.0u            | 898.0u  | 5275                  | Yes       |
| 14                    | 58               | 1.0u            | 918.0u  | 5277                  | Yes       |
| 15                    | 57               | 1.0u            | 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                  | No        |
| 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                  | No        |
| 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                  | No        |
| 22                                    | 28               | 3.5u            | 213.0u  | 5304                  | No        |
| 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                  | No        |
| 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                  | No        |
| Detection Rate: 80.0 %                |                  |                 |         |                       |           |

| 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                  | No        |
| 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                  | No        |
| 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                  | Yes       |
| 12                                    | 18               | 6.3u            | 387.0u  | 5273                  | No        |
| 13                                    | 17               | 8.5u            | 273.0u  | 5275                  | Yes       |
| 14                                    | 18               | 8.6u            | 322.0u  | 5277                  | Yes       |
| 15                                    | 17               | 7.0u            | 286.0u  | 5280                  | No        |
| 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                  | No        |
| 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                  | Yes       |
| 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: 80.0 %                |                  |                 |         |                       |           |

| Type 4 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 14               | 16.1u           | 359.0u  | 5252                  | Yes       |
| 2                                     | 12               | 19.9u           | 419.0u  | 5255                  | Yes       |
| 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                  | No        |
| 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                  | No        |
| 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: 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     | 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     | Yes                     |
| 30                                    | LP_Signal_30     | Yes                     |
|                                       |                  | Detection Rate: 100.0 % |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_01  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 12   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5254MHz |                  |            |                 |                          |                          |                    |
| 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_02  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 18   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5254MHz |                  |            |                 |                          |                          |                    |
| 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         | 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 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         | 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 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        | 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 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_07  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 11   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5258MHz |                  |            |                 |                          |                          |                    |
| 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                | 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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<br>Test Signal Name: LP_Signal_11<br>Number of Bursts in Trial: 13<br>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<br>Test Signal Name: LP_Signal_12<br>Number of Bursts in Trial: 12<br>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<br>Test Signal Name: LP_Signal_13<br>Number of Bursts in Trial: 12<br>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                | 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<br>Test Signal Name: LP_Signal_14<br>Number of Bursts in Trial: 18<br>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                | 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<br>Test Signal Name: LP_Signal_15<br>Number of Bursts in Trial: 8<br>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<br>Test Signal Name: LP_Signal_16<br>Number of Bursts in Trial: 9<br>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<br>Test Signal Name: LP_Signal_17<br>Number of Bursts in Trial: 16<br>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                | 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<br>Test Signal Name: LP_Signal_18<br>Number of Bursts in Trial: 12<br>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                                                                                                                                  | 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

Chirp Center Frequency: 5290MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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

Chirp Center Frequency: 5290MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 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_22  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 16   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5326MHz |                  |            |                 |                          |                          |                    |
| 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         | 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<br>Test Signal Name: LP_Signal_23<br>Number of Bursts in Trial: 12<br>Chrip Center Frequency: 5324MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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        | 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<br>Test Signal Name: LP_Signal_24<br>Number of Bursts in Trial: 9<br>Chrip Center Frequency: 5324MHz |                  |            |                 |                          |                          |                    |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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<br>Test Signal Name: LP_Signal_25<br>Number of Bursts in Trial: 9<br>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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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   |                  |            |                 |                          |                          |                    |
| Chirp Center Frequency: 5320MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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**

**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) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 99               | 1.0u            | 538.0u  | 5491                  | Yes       |
| 2                                     | 95               | 1.0u            | 558.0u  | 5492                  | Yes       |
| 3                                     | 92               | 1.0u            | 578.0u  | 5493                  | Yes       |
| 4                                     | 86               | 1.0u            | 618.0u  | 5494                  | Yes       |
| 5                                     | 83               | 1.0u            | 638.0u  | 5495                  | Yes       |
| 6                                     | 81               | 1.0u            | 658.0u  | 5496                  | Yes       |
| 7                                     | 78               | 1.0u            | 678.0u  | 5497                  | Yes       |
| 8                                     | 76               | 1.0u            | 698.0u  | 5498                  | Yes       |
| 9                                     | 74               | 1.0u            | 718.0u  | 5499                  | Yes       |
| 10                                    | 67               | 1.0u            | 798.0u  | 5500                  | Yes       |
| 11                                    | 63               | 1.0u            | 838.0u  | 5501                  | Yes       |
| 12                                    | 62               | 1.0u            | 858.0u  | 5502                  | Yes       |
| 13                                    | 61               | 1.0u            | 878.0u  | 5503                  | Yes       |
| 14                                    | 59               | 1.0u            | 898.0u  | 5504                  | Yes       |
| 15                                    | 58               | 1.0u            | 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                  | No        |
| 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: 96.6 %                |                  |                 |         |                       |           |

| 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                  | No        |
| 6                                     | 27               | 2.6u            | 166.0u  | 5496                  | Yes       |
| 7                                     | 24               | 4.7u            | 161.0u  | 5497                  | Yes       |
| 8                                     | 28               | 1.9u            | 180.0u  | 5498                  | No        |
| 9                                     | 29               | 1.3u            | 176.0u  | 5499                  | Yes       |
| 10                                    | 23               | 1.8u            | 170.0u  | 5500                  | Yes       |
| 11                                    | 29               | 1.4u            | 195.0u  | 5501                  | No        |
| 12                                    | 25               | 3.4u            | 228.0u  | 5502                  | Yes       |
| 13                                    | 26               | 2.3u            | 206.0u  | 5503                  | No        |
| 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                  | No        |
| 24                                    | 26               | 2.2u            | 203.0u  | 5500                  | Yes       |
| 25                                    | 25               | 2.9u            | 222.0u  | 5498                  | No        |
| 26                                    | 28               | 1.4u            | 220.0u  | 5496                  | No        |
| 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: 73.3 %                |                  |                 |         |                       |           |

| 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                  | No        |
| 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                  | Yes       |
| 9                                     | 17               | 6.2u            | 364.0u  | 5499                  | Yes       |
| 10                                    | 16               | 7.1u            | 407.0u  | 5500                  | No        |
| 11                                    | 18               | 6.6u            | 458.0u  | 5501                  | Yes       |
| 12                                    | 17               | 9.1u            | 226.0u  | 5502                  | Yes       |
| 13                                    | 16               | 6.9u            | 297.0u  | 5503                  | Yes       |
| 14                                    | 18               | 9.8u            | 463.0u  | 5504                  | No        |
| 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                  | No        |
| 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                  | Yes       |
| 26                                    | 16               | 9.8u            | 489.0u  | 5496                  | No        |
| 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: 80.0 %                |                  |                 |         |                       |           |

| 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                  | Yes       |
| 3                                     | 15               | 13.7u           | 340.0u  | 5493                  | Yes       |
| 4                                     | 16               | 12.2u           | 469.0u  | 5494                  | Yes       |
| 5                                     | 12               | 14.6u           | 220.0u  | 5495                  | No        |
| 6                                     | 15               | 17.0u           | 370.0u  | 5496                  | Yes       |
| 7                                     | 15               | 11.4u           | 458.0u  | 5497                  | Yes       |
| 8                                     | 13               | 11.6u           | 487.0u  | 5498                  | Yes       |
| 9                                     | 16               | 16.2u           | 202.0u  | 5499                  | Yes       |
| 10                                    | 15               | 19.8u           | 363.0u  | 5500                  | Yes       |
| 11                                    | 14               | 11.8u           | 424.0u  | 5501                  | Yes       |
| 12                                    | 14               | 18.0u           | 407.0u  | 5502                  | Yes       |
| 13                                    | 16               | 17.8u           | 256.0u  | 5503                  | Yes       |
| 14                                    | 16               | 13.1u           | 420.0u  | 5504                  | Yes       |
| 15                                    | 13               | 18.6u           | 243.0u  | 5505                  | No        |
| 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                  | No        |
| 25                                    | 13               | 11.3u           | 369.0u  | 5498                  | Yes       |
| 26                                    | 14               | 17.1u           | 284.0u  | 5496                  | No        |
| 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                  | Yes       |
| Detection Rate: 83.3 %                |                  |                 |         |                       |           |

| 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     | No                     |
| 13                                    | LP_Signal_13     | No                     |
| 14                                    | LP_Signal_14     | No                     |
| 15                                    | LP_Signal_15     | Yes                    |
| 16                                    | LP_Signal_16     | Yes                    |
| 17                                    | LP_Signal_17     | No                     |
| 18                                    | LP_Signal_18     | Yes                    |
| 19                                    | LP_Signal_19     | No                     |
| 20                                    | LP_Signal_20     | No                     |
| 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     | Yes                    |
|                                       |                  | Detection Rate: 80.0 % |

| Long Pulse Radar Test Signal<br>Test Signal Name: LP_Signal_01<br>Number of Bursts in Trial: 16<br>Chrip Center Frequency: 5491MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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         | 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<br>Test Signal Name: LP_Signal_02<br>Number of Bursts in Trial: 11<br>Chrip Center Frequency: 5491MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 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<br>Test Signal Name: LP_Signal_05<br>Number of Bursts in Trial: 10<br>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<br>Test Signal Name: LP_Signal_06<br>Number of Bursts in Trial: 14<br>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<br>Test Signal Name: LP_Signal_07<br>Number of Bursts in Trial: 13<br>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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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  
Chirp Center Frequency: 5497MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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  
Chirp Center Frequency: 5500MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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<br>Test Signal Name: LP_Signal_12<br>Number of Bursts in Trial: 10<br>Chrip Center Frequency: 5500MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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         | 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<br>Test Signal Name: LP_Signal_13<br>Number of Bursts in Trial: 8<br>Chrip Center Frequency: 5500MHz |                  |            |                 |                          |                          |                    |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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<br>Test Signal Name: LP_Signal_14<br>Number of Bursts in Trial: 19<br>Chrip Center Frequency: 5500MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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<br>Test Signal Name: LP_Signal_15<br>Number of Bursts in Trial: 11<br>Chrip Center Frequency: 5500MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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<br>Test Signal Name: LP_Signal_16<br>Number of Bursts in Trial: 16<br>Chrip Center Frequency: 5500MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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<br>Test Signal Name: LP_Signal_17<br>Number of Bursts in Trial: 9<br>Chrip Center Frequency: 5500MHz |                  |            |                 |                          |                          |                    |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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: 5500MHz |                  |            |                 |                          |                          |                    |
| 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: 5500MHz |                  |            |                 |                          |                          |                    |
| 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                | 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  
Chirp Center Frequency: 5500MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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  
Chirp Center Frequency: 5509MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 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<br>Test Signal Name: LP_Signal_24<br>Number of Bursts in Trial: 9<br>Chrip Center Frequency: 5507MHz |                  |            |                 |                          |                          |                    |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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<br>Test Signal Name: LP_Signal_25<br>Number of Bursts in Trial: 10<br>Chrip Center Frequency: 5505MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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<br>Test Signal Name: LP_Signal_26<br>Number of Bursts in Trial: 11<br>Chrip Center Frequency: 5505MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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: 5505MHz |                  |            |                 |                          |                          |                    |
| 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                | 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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         |

**IEEE 802.11ac VHT40****Type 1 Radar Statistical Performances**

| Trial #                 | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
|-------------------------|------------------|-----------------|---------|-----------------------|-----------|
| 1                       | 102              | 1.0u            | 518.0u  | 5491                  | Yes       |
| 2                       | 95               | 1.0u            | 558.0u  | 5493                  | Yes       |
| 3                       | 89               | 1.0u            | 598.0u  | 5494                  | Yes       |
| 4                       | 83               | 1.0u            | 638.0u  | 5495                  | Yes       |
| 5                       | 78               | 1.0u            | 678.0u  | 5497                  | Yes       |
| 6                       | 76               | 1.0u            | 698.0u  | 5499                  | Yes       |
| 7                       | 74               | 1.0u            | 718.0u  | 5500                  | Yes       |
| 8                       | 72               | 1.0u            | 738.0u  | 5501                  | Yes       |
| 9                       | 68               | 1.0u            | 778.0u  | 5503                  | Yes       |
| 10                      | 67               | 1.0u            | 798.0u  | 5505                  | Yes       |
| 11                      | 63               | 1.0u            | 838.0u  | 5506                  | Yes       |
| 12                      | 62               | 1.0u            | 858.0u  | 5507                  | Yes       |
| 13                      | 59               | 1.0u            | 898.0u  | 5508                  | Yes       |
| 14                      | 58               | 1.0u            | 918.0u  | 5509                  | Yes       |
| 15                      | 57               | 1.0u            | 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                  | Yes       |
| 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: 100.0 % |                  |                 |         |                       |           |

| 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                  | No        |
| 6                                     | 27               | 1.7u            | 172.0u  | 5499                  | Yes       |
| 7                                     | 26               | 1.6u            | 191.0u  | 5500                  | No        |
| 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                  | No        |
| 16                                    | 27               | 1.7u            | 192.0u  | 5512                  | Yes       |
| 17                                    | 24               | 2.6u            | 191.0u  | 5513                  | Yes       |
| 18                                    | 27               | 4.6u            | 173.0u  | 5514                  | Yes       |
| 19                                    | 28               | 3.4u            | 187.0u  | 5516                  | No        |
| 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                  | Yes       |
| 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                  | Yes       |
| 28                                    | 27               | 2.9u            | 180.0u  | 5527                  | Yes       |
| 29                                    | 27               | 1.5u            | 177.0u  | 5528                  | No        |
| 30                                    | 28               | 1.6u            | 186.0u  | 5529                  | Yes       |
| Detection Rate: 83.3 %                |                  |                 |         |                       |           |

| Type 3 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 17               | 9.6u            | 218.0u  | 5491                  | Yes       |
| 2                                     | 18               | 8.4u            | 494.0u  | 5493                  | Yes       |
| 3                                     | 17               | 8.7u            | 375.0u  | 5494                  | No        |
| 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                  | No        |
| 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                  | No        |
| 18                                    | 16               | 8.4u            | 225.0u  | 5514                  | Yes       |
| 19                                    | 17               | 6.1u            | 210.0u  | 5516                  | Yes       |
| 20                                    | 16               | 6.0u            | 260.0u  | 5517                  | No        |
| 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                  | No        |
| 27                                    | 17               | 6.9u            | 204.0u  | 5526                  | Yes       |
| 28                                    | 18               | 6.8u            | 309.0u  | 5527                  | Yes       |
| 29                                    | 17               | 9.2u            | 351.0u  | 5528                  | Yes       |
| 30                                    | 17               | 9.0u            | 201.0u  | 5529                  | No        |
| Detection Rate: 80.0 %                |                  |                 |         |                       |           |

| 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                  | No        |
| 3                                     | 13               | 18.4u           | 392.0u  | 5494                  | No        |
| 4                                     | 16               | 14.9u           | 457.0u  | 5495                  | Yes       |
| 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                  | No        |
| 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                  | No        |
| 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                  | Yes       |
| 27                                    | 12               | 18.2u           | 350.0u  | 5526                  | Yes       |
| 28                                    | 15               | 14.7u           | 204.0u  | 5527                  | No        |
| 29                                    | 12               | 16.6u           | 418.0u  | 5528                  | Yes       |
| 30                                    | 13               | 14.1u           | 218.0u  | 5529                  | Yes       |
| Detection Rate: 83.3 %                |                  |                 |         |                       |           |

| 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     | No                     |
| 13                                    | LP_Signal_13     | Yes                    |
| 14                                    | LP_Signal_14     | No                     |
| 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     | 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     | Yes                    |
|                                       |                  | Detection Rate: 90.0 % |



Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_01  
Number of Bursts in Trial: 19  
Chirp Center Frequency: 5493MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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  
Chirp Center Frequency: 5493MHz

| Burst | Pulses per Burst | Chirp (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<br>Test Signal Name: LP_Signal_03<br>Number of Bursts in Trial: 9<br>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         | 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<br>Test Signal Name: LP_Signal_04<br>Number of Bursts in Trial: 11<br>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<br>Test Signal Name: LP_Signal_05<br>Number of Bursts in Trial: 12<br>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<br>Test Signal Name: LP_Signal_06<br>Number of Bursts in Trial: 10<br>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                                                                                                                                  | 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<br>Test Signal Name: LP_Signal_07<br>Number of Bursts in Trial: 17<br>Chrip Center Frequency: 5497MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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        | 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<br>Test Signal Name: LP_Signal_08<br>Number of Bursts in Trial: 9<br>Chrip Center Frequency: 5497MHz |                  |            |                 |                          |                          |                    |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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        | 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 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: 19

Chrip Center Frequency: 5510MHz

| 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                | 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 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        | 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 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\_17  
Number of Bursts in Trial: 19  
Chirp Center Frequency: 5510MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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  
Chirp Center Frequency: 5510MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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  
Chirp Center Frequency: 5510MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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  
Chirp Center Frequency: 5510MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 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         | 64.8u           | 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<br>Test Signal Name: LP_Signal_23<br>Number of Bursts in Trial: 11<br>Chrip Center Frequency: 5527MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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<br>Test Signal Name: LP_Signal_24<br>Number of Bursts in Trial: 10<br>Chrip Center Frequency: 5527MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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         | 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<br>Test Signal Name: LP_Signal_25<br>Number of Bursts in Trial: 8<br>Chrip Center Frequency: 5525MHz |                  |            |                 |                          |                          |                    |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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   |                  |            |                 |                          |                          |                    |
| Chirp Center Frequency: 5521MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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         |

**IEEE 802.11ac VHT80****Type 1 Radar Statistical Performances**

| Trial #                 | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
|-------------------------|------------------|-----------------|---------|-----------------------|-----------|
| 1                       | 89               | 1.0u            | 598.0u  | 5492                  | Yes       |
| 2                       | 81               | 1.0u            | 658.0u  | 5495                  | Yes       |
| 3                       | 86               | 1.0u            | 618.0u  | 5497                  | Yes       |
| 4                       | 78               | 1.0u            | 678.0u  | 5500                  | Yes       |
| 5                       | 76               | 1.0u            | 698.0u  | 5503                  | Yes       |
| 6                       | 72               | 1.0u            | 738.0u  | 5506                  | Yes       |
| 7                       | 70               | 1.0u            | 758.0u  | 5508                  | Yes       |
| 8                       | 68               | 1.0u            | 778.0u  | 5510                  | Yes       |
| 9                       | 65               | 1.0u            | 818.0u  | 5513                  | Yes       |
| 10                      | 63               | 1.0u            | 838.0u  | 5516                  | Yes       |
| 11                      | 62               | 1.0u            | 858.0u  | 5518                  | Yes       |
| 12                      | 61               | 1.0u            | 878.0u  | 5521                  | Yes       |
| 13                      | 59               | 1.0u            | 898.0u  | 5524                  | Yes       |
| 14                      | 58               | 1.0u            | 918.0u  | 5527                  | Yes       |
| 15                      | 57               | 1.0u            | 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                  | Yes       |
| 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: 100.0 % |                  |                 |         |                       |           |



| 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                  | No        |
| 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                  | No        |
| 15                                    | 25               | 3.2u            | 169.0u  | 5530                  | Yes       |
| 16                                    | 24               | 4.5u            | 226.0u  | 5533                  | Yes       |
| 17                                    | 27               | 3.1u            | 156.0u  | 5536                  | No        |
| 18                                    | 23               | 1.5u            | 176.0u  | 5539                  | Yes       |
| 19                                    | 28               | 3.5u            | 225.0u  | 5542                  | No        |
| 20                                    | 28               | 1.8u            | 182.0u  | 5545                  | Yes       |
| 21                                    | 27               | 1.2u            | 180.0u  | 5550                  | Yes       |
| 22                                    | 28               | 3.5u            | 213.0u  | 5552                  | Yes       |
| 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                  | No        |
| 27                                    | 25               | 3.1u            | 183.0u  | 5562                  | No        |
| 28                                    | 23               | 1.3u            | 185.0u  | 5564                  | Yes       |
| 29                                    | 26               | 1.4u            | 219.0u  | 5566                  | No        |
| 30                                    | 24               | 3.5u            | 183.0u  | 5568                  | Yes       |
| Detection Rate: 76.7 %                |                  |                 |         |                       |           |

| Type 3 Radar Statistical Performances |                  |                 |         |                       |           |
|---------------------------------------|------------------|-----------------|---------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency (MHz) | Detection |
| 1                                     | 16               | 8.8u            | 280.0u  | 5492                  | Yes       |
| 2                                     | 16               | 8.8u            | 462.0u  | 5495                  | No        |
| 3                                     | 18               | 6.0u            | 378.0u  | 5497                  | Yes       |
| 4                                     | 16               | 8.8u            | 413.0u  | 5500                  | No        |
| 5                                     | 17               | 8.7u            | 385.0u  | 5503                  | Yes       |
| 6                                     | 17               | 8.5u            | 447.0u  | 5506                  | Yes       |
| 7                                     | 16               | 7.5u            | 284.0u  | 5508                  | No        |
| 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                  | No        |
| 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                  | No        |
| Detection Rate: 83.3 %                |                  |                 |         |                       |           |

| 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                  | No                     |
| 6                                     | 15               | 13.0u           | 396.0u  | 5506                  | No                     |
| 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                  | No                     |
| 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                  | Yes                    |
| 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                  | Yes                    |
| 27                                    | 13               | 17.7u           | 311.0u  | 5562                  | No                     |
| 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: 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     | 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     | Yes                     |
| 30                                    | LP_Signal_30     | Yes                     |
|                                       |                  | Detection Rate: 100.0 % |

| Long Pulse Radar Test Signal    |                  |            |                 |                          |                          |                    |
|---------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Test Signal Name: LP_Signal_01  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 12   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5493MHz |                  |            |                 |                          |                          |                    |
| 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_02  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 18   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5493MHz |                  |            |                 |                          |                          |                    |
| 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         | 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 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         | 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 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        | 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 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_07  |                  |            |                 |                          |                          |                    |
| Number of Bursts in Trial: 11   |                  |            |                 |                          |                          |                    |
| Chrip Center Frequency: 5497MHz |                  |            |                 |                          |                          |                    |
| 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                | 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<br>Test Signal Name: LP_Signal_08<br>Number of Bursts in Trial: 16<br>Chrip Center Frequency: 5497MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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<br>Test Signal Name: LP_Signal_09<br>Number of Bursts in Trial: 16<br>Chrip Center Frequency: 5499MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 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: 5530MHz |                  |            |                 |                          |                          |                    |
| 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: 5530MHz |                  |            |                 |                          |                          |                    |
| 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                | 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<br>Test Signal Name: LP_Signal_14<br>Number of Bursts in Trial: 18<br>Chrip Center Frequency: 5530MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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<br>Test Signal Name: LP_Signal_15<br>Number of Bursts in Trial: 8<br>Chrip Center Frequency: 5530MHz |                  |            |                 |                          |                          |                    |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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<br>Test Signal Name: LP_Signal_16<br>Number of Bursts in Trial: 9<br>Chrip Center Frequency: 5530MHz |                  |            |                 |                          |                          |                    |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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<br>Test Signal Name: LP_Signal_17<br>Number of Bursts in Trial: 16<br>Chrip Center Frequency: 5530MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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<br>Test Signal Name: LP_Signal_18<br>Number of Bursts in Trial: 12<br>Chrip Center Frequency: 5530MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 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                | 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  
Chirp Center Frequency: 5530MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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  
Chirp Center Frequency: 5530MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 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\_22

Number of Bursts in Trial: 16

Chrip Center Frequency: 5567MHz

| 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         | 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 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        | 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 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: 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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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 per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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   |                  |            |                 |                          |                          |                    |
| Chirp Center Frequency: 5561MHz |                  |            |                 |                          |                          |                    |
| Burst                           | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (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  | No                     |
| 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  | No                     |
| 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: 93.3 % |

| 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                 | No                     |
| 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                 | No                     |
| 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: 93.3 % |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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 (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (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         |