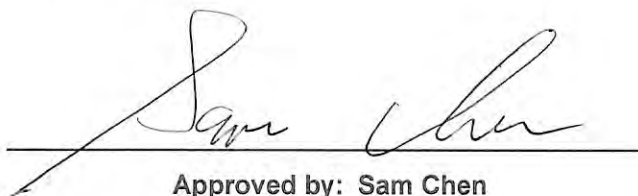


# DFS TEST REPORT

FCC ID : 2AHKM-ARIA2110  
Equipment : Wi-Fi 6 Extender  
Brand Name : Hitron  
Model Name : ARIA2110  
Applicant : Hitron Technologies Inc.  
No. 1-8, Li-Hsin 1st Rd. Hsinchu Science Park,  
Hsinchu 30078, Taiwan  
Manufacturer : Hitron Technologies Inc.  
No. 1-8, Li-Hsin 1st Rd. Hsinchu Science Park,  
Hsinchu 30078, Taiwan  
Standard : 47 CFR FCC Part 15.407

The product was received on Oct. 19, 2022, and testing was started from Mar. 21, 2023 and completed on Mar. 23, 2023. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.



Approved by: Sam Chen

**Sporton International Inc. Hsinchu Laboratory**  
No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



## Table of Contents

|                                                              |            |
|--------------------------------------------------------------|------------|
| <b>History of this test report.....</b>                      | <b>3</b>   |
| <b>Summary of Test Result.....</b>                           | <b>4</b>   |
| <b>1 General Description .....</b>                           | <b>5</b>   |
| 1.1 Information.....                                         | 5          |
| 1.2 Support Equipment.....                                   | 10         |
| 1.3 Applicable Standards .....                               | 10         |
| 1.4 Testing Location Information .....                       | 10         |
| <b>2 Test Configuration of EUT .....</b>                     | <b>11</b>  |
| 2.1 Test Channel Frequencies Configuration.....              | 11         |
| 2.2 The Worst Case Measurement Configuration .....           | 11         |
| <b>3 Dynamic Frequency Selection (DFS) Test Result .....</b> | <b>12</b>  |
| 3.1 General DFS Information .....                            | 12         |
| 3.2 Radar Test Waveform Calibration .....                    | 15         |
| 3.3 UNII Detection Bandwidth .....                           | 27         |
| 3.4 Channel Availability Check (CAC).....                    | 31         |
| 3.5 In-service Monitoring .....                              | 35         |
| 3.6 Statistical Performance Check .....                      | 40         |
| <b>4 Test Equipment and Calibration Data .....</b>           | <b>120</b> |
| <b>5 Measurement Uncertainty .....</b>                       | <b>121</b> |

### Appendix A. Test Photos

#### Photographs of EUT v01



TEL : 886-3-656-9065  
FAX : 886-3-656-9085  
Report Template No.: CB-A12\_4 Ver1.1



## Summary of Test Result

| Report Clause | Ref Std. Clause        | Test Items                                                               | Result (PASS/FAIL) | Remark                                          |
|---------------|------------------------|--------------------------------------------------------------------------|--------------------|-------------------------------------------------|
| 3.3           | FCC KDB 905462 7.8.1   | DFS: UNII Detection Bandwidth Measurement                                | PASS               | -                                               |
| 3.4           | FCC KDB 905462 7.8.2.1 | DFS: Initial Channel Availability Check Time                             | PASS               | -                                               |
| 3.4           | FCC KDB 905462 7.8.2.2 | DFS: Radar Burst at the Beginning of the Channel Availability Check Time | PASS               | -                                               |
| 3.4           | FCC KDB 905462 7.8.2.3 | DFS: Radar Burst at the End of the Channel Availability Check Time       | PASS               | -                                               |
| 3.5           | FCC KDB 905462 7.8.3   | DFS: In-Service Monitoring for Channel Move Time (CMT)                   | PASS               | -                                               |
| 3.5           | FCC KDB 905462 7.8.3   | DFS: In-Service Monitoring for Channel Closing Transmission Time (CCTT)  | PASS               | -                                               |
| 3.5           | FCC KDB 905462 7.8.3   | DFS: In-Service Monitoring for Non-Occupancy Period (NOP)                | PASS               | -                                               |
| 3.6           | FCC KDB 905462 7.8.4   | DFS: Statistical Performance Check                                       | PASS               | Note                                            |
| 3.1.4         | FCC KDB 905462 8.1     | User Access Restrictions                                                 | N/A                | Manufacturer attestation NOT accessible to user |

Note: Extender mode, only Statistical Performance Check (Section 7.8.4) on one of the radar types is required to perform.

**Conformity Assessment Condition:**

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

**Disclaimer:**

1. The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.
2. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.

**Reviewed by: Sam Chen**  
**Report Producer: Viola Huang**



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

| Specification Items                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Description                                                      |                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------|
| Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5250 MHz – 5350 MHz<br>5470 MHz – 5725 MHz                       |                                                 |
| Power Type                                                                                                                                                                                                                                                                                                                                                                                                                                                               | From power adapter                                               |                                                 |
| Channel Bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 20/40/80 MHz operating channel bandwidth                         |                                                 |
| Operating Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <input checked="" type="checkbox"/> Master (AP Router, Extender) |                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input type="checkbox"/> Client with radar detection             |                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input type="checkbox"/> Client without radar detection          |                                                 |
| Communication Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/> IP Based (Load Based)        | <input type="checkbox"/> Frame Based            |
| TPC Function                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <input checked="" type="checkbox"/> With TPC                     | <input type="checkbox"/> Without TPC            |
| Weather Band (5600~5650MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input checked="" type="checkbox"/> With 5600~5650MHz            | <input type="checkbox"/> Without 5600~5650MHz   |
| Channel Puncturing Function                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> Supported                               | <input checked="" type="checkbox"/> Unsupported |
| Support RU                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <input checked="" type="checkbox"/> Full RU                      | <input type="checkbox"/> Partial RU             |
| Power-on cycle                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 80MHz: Requires 53.043 seconds to complete its power-on cycle.   |                                                 |
| Firmware Number                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.0.0 (07:25 03-02-2023)                                         |                                                 |
| <ul style="list-style-type: none"><li>11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.</li><li>VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.</li><li>HEW20, HEW40, HEW80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.</li><li>EUT employ a TPC mechanism and TPC have the capability to operate at least 6 dB below highest RF output power.</li></ul> |                                                                  |                                                 |

Note: The above information was declared by manufacturer.

**TPC Power Result**

| Mode                              | Min Power<br>(dBm) | Max Power<br>(dBm) | Min EIRP<br>(dBm) | Max EIRP<br>(dBm) |
|-----------------------------------|--------------------|--------------------|-------------------|-------------------|
| 802.11a_Nss1,(6Mbps)_2TX          | -                  | -                  | -                 | -                 |
| 5.25-5.35GHz                      | 15.92              | 21.92              | 20.22             | 26.22             |
| 5.47-5.725GHz                     | 15.89              | 21.89              | 20.09             | 26.09             |
| 802.11ax HEW20_Nss1,(MCS0)_2TX    | -                  | -                  | -                 | -                 |
| 5.25-5.35GHz                      | 16.74              | 22.74              | 21.04             | 27.04             |
| 5.47-5.725GHz                     | 16.51              | 22.51              | 20.71             | 26.71             |
| 802.11ax HEW40_Nss1,(MCS0)_2TX    | -                  | -                  | -                 | -                 |
| 5.25-5.35GHz                      | 17.65              | 23.65              | 21.95             | 27.95             |
| 5.47-5.725GHz                     | 17.97              | 23.97              | 22.17             | 28.17             |
| 802.11ax HEW80_Nss1,(MCS0)_2TX    | -                  | -                  | -                 | -                 |
| 5.25-5.35GHz                      | 13.57              | 19.57              | 17.87             | 23.87             |
| 5.47-5.725GHz                     | 17.97              | 23.97              | 22.17             | 28.17             |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | -                  | -                  | -                 | -                 |
| 5.25-5.35GHz                      | 16.74              | 22.74              | 23.47             | 29.47             |
| 5.47-5.725GHz                     | 16.51              | 22.51              | 23.19             | 29.19             |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | -                  | -                  | -                 | -                 |
| 5.25-5.35GHz                      | 17.19              | 23.19              | 23.92             | 29.92             |
| 5.47-5.725GHz                     | 17.14              | 23.14              | 23.82             | 29.82             |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | -                  | -                  | -                 | -                 |
| 5.25-5.35GHz                      | 13.57              | 19.57              | 20.30             | 26.30             |
| 5.47-5.725GHz                     | 16.67              | 22.67              | 23.35             | 29.35             |

Note: The manufacturer declared that TPC is applied to this equipment. The test result of TPC is equal to RF output power minus 6dBm which is recorded as a reference for the manufacturer.

### 1.1.2 Antenna Information

| Ant. | Port | Brand  | Model Name | Antenna Type   | Connector | Gain (dBi) |
|------|------|--------|------------|----------------|-----------|------------|
| 1    | 2    | HONGBO | 290-20487  | Dipole Antenna | I-PEX     | Note 1     |
| 2    | 1    | HONGBO | 290-20486  | Dipole Antenna | I-PEX     |            |
| 3    | 2    | HONGBO | 290-20489  | Dipole Antenna | I-PEX     |            |
| 4    | 1    | HONGBO | 290-20490  | Dipole Antenna | I-PEX     |            |

Note 1:

| Ant. | Gain (dBi)  |                  |                   |                   |                  |
|------|-------------|------------------|-------------------|-------------------|------------------|
|      | WLAN 2.4GHz | WLAN 5GHz UNII 1 | WLAN 5GHz UNII 2A | WLAN 5GHz UNII 2C | WLAN 5GHz UNII 3 |
| 1    | 3.6         | -                | -                 | -                 | -                |
| 2    | 3.6         | -                | -                 | -                 | -                |
| 3    | -           | 3.5              | 4.3               | 4.2               | 3.5              |
| 4    | -           | 3.1              | 3.1               | 3.1               | 3.3              |

Note 2: Directional gain information

| Type   | Maximum Output Power                                                                                                                                | Power Spectral Density                                                                                                              |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Non-BF | Directional gain = Max.gain + array gain.<br>For power measurements on IEEE 802.11 devices<br>Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4 | $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{ANT}} \left[ \sum_{k=1}^{N_{ANT}} g_{j,k} \right]^2}{N_{ANT}} \right]$ |
| BF     | $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{ANT}} \left[ \sum_{k=1}^{N_{ANT}} g_{j,k} \right]^2}{N_{ANT}} \right]$                 | $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{ANT}} \left[ \sum_{k=1}^{N_{ANT}} g_{j,k} \right]^2}{N_{ANT}} \right]$ |

Ex.

Directional Gain (NSS1) formula :

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{ANT}} \left[ \sum_{k=1}^{N_{ANT}} g_{j,k} \right]^2}{N_{ANT}} \right]$$

$$NSS1(g1,1) = 10^{G1/20}; NSS1(g1,2) = 10^{G2/20};$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2))^2 / N_{ANT}] \Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$$

Where ;

5G Band1 G1= 3.5 dBi ;5G Band1 G2= 3.1 dBi ;DG= 6.31dBi

5G Band2 G1= 4.3 dBi ;5G Band2 G2= 3.1 dBi ;DG= 6.73dBi

5G Band3 G1= 4.2 dBi ;5G Band3 G2= 3.1 dBi ;DG= 6.68dBi

5G Band4 G1= 3.5 dBi ;5G Band4 G2= 3.3 dBi ;DG= 6.41dBi

2.4G G1= 3.6 dBi ;2.4G G2= 3.6 dBi ;DG= 6.61dBi



Note 3: The above information was declared by manufacturer.

Note 4: **For 2.4GHz function:**

**For IEEE 802.11 b/g/n/VHT/ax (2TX/2RX):**

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

**For 5GHz function:**

**For IEEE 802.11a/n/ac/ax (2TX/2RX):**

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

### 1.1.3 EUT Support Function

The EUT supports AP Router and Extender mode, only AP Router mode was tested and recorded in this test report.

#### 1.1.4 Table for EUT Exterior

| EUT No. | Color of Exterior |
|---------|-------------------|
| 1       | Black             |
| 2       | White             |

Note 1: From the above listing, EUT 1 was selected for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.



### 1.1.5 DFS Band Carrier Frequencies

There are three bandwidth systems.

For 20MHz bandwidth systems, use Channel 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 144.

For 40MHz bandwidth systems, use Channel 54, 62, 102, 110, 118, 126, 134, 142.

For 80MHz bandwidth systems, use Channel 58, 106, 122, 138.

| Frequency Band          | Channel No. | Frequency | Channel No. | Frequency |
|-------------------------|-------------|-----------|-------------|-----------|
| 5250~5350 MHz<br>Band 2 | 52          | 5260 MHz  | 60          | 5300 MHz  |
|                         | 54          | 5270 MHz  | 62          | 5310 MHz  |
|                         | 56          | 5280 MHz  | 64          | 5320 MHz  |
|                         | 58          | 5290 MHz  | -           | -         |
| 5470~5725 MHz<br>Band 3 | 100         | 5500 MHz  | 124         | 5620 MHz  |
|                         | 102         | 5510 MHz  | 126         | 5630 MHz  |
|                         | 104         | 5520 MHz  | 128         | 5640 MHz  |
|                         | 106         | 5530 MHz  | 132         | 5660 MHz  |
|                         | 108         | 5540 MHz  | 134         | 5670 MHz  |
|                         | 110         | 5550 MHz  | 136         | 5680 MHz  |
|                         | 112         | 5560 MHz  | 138         | 5690 MHz  |
|                         | 116         | 5580 MHz  | 140         | 5700 MHz  |
|                         | 118         | 5590 MHz  | 142         | 5710 MHz  |
|                         | 120         | 5600 MHz  | 144         | 5720 MHz  |
|                         | 122         | 5610 MHz  | -           | -         |

## 1.2 Support Equipment

For AP Router

| Support Equipment |             |            |            |            |
|-------------------|-------------|------------|------------|------------|
| No.               | Equipment   | Brand Name | Model Name | FCC ID     |
| A                 | Notebook    | Lenovo     | L490       | N/A        |
| B                 | Notebook    | Lenovo     | L440       | N/A        |
| C                 | WLAN module | Intel      | AX210NGW   | PD9AX210NG |

For Extender

| Support Equipment |             |            |            |            |
|-------------------|-------------|------------|------------|------------|
| No.               | Equipment   | Brand Name | Model Name | FCC ID     |
| A                 | Notebook    | Lenovo     | L490       | N/A        |
| B                 | Notebook    | Lenovo     | L440       | N/A        |
| C                 | WLAN module | Intel      | AX210NGW   | PD9AX210NG |
| D                 | WLAN AP     | Hitron     | ARIA2110   | N/A        |

## 1.3 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15.407
- ♦ FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

## 1.4 Testing Location Information

| Testing Location Information                              |                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Lab. : Sporton International Inc. Hsinchu Laboratory |                                                                                                                                                                                                                                                 |
| Hsinchu<br>(TAF: 3787)                                    | ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)<br>TEL: 886-3-656-9065 FAX: 886-3-656-9085<br>Test site Designation No. TW3787 with FCC.<br>Conformity Assessment Body Identifier (CABID) TW3787 with ISCED. |

| Test Condition | Test Site No. | Test Engineer            | Test Environment (°C / %) | Test Date                   |
|----------------|---------------|--------------------------|---------------------------|-----------------------------|
| DFS            | DF01-CB       | For AP Router: Sean Ku   | 22~23.9 / 60~63           | Mar. 21, 2023~Mar. 22, 2023 |
|                | DF01-CB       | For Extender: Young Yang | 22~23.9 / 60~63           | Mar. 22, 2023~Mar. 23, 2023 |

## 2 Test Configuration of EUT

### 2.1 Test Channel Frequencies Configuration

| Test Channel Frequencies Configuration |                          |
|----------------------------------------|--------------------------|
| IEEE Std.                              | Test Channel Freq. (MHz) |
| 802.11ax (HEW20)                       | 5500 MHz                 |
| 802.11ax (HEW40)                       | 5510 MHz                 |
| 802.11ax (HEW80)                       | 5530 MHz                 |

### 2.2 The Worst Case Measurement Configuration

| The Worst Case Mode for Following Conformance Tests |                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tests Item                                          | Dynamic Frequency Selection (DFS)                                                                                                                                                                                                                                                                                                                                                    |
| Test Condition                                      | <p>Radiated measurement</p> <p>The EUT shall be configured to operate at the highest transmitter output power setting. If more than one antenna assembly is intended for this power setting, the gain of the antenna assembly with the lowest gain shall be used. The DFS radar test signals have been aligned to the direction corresponding to the EUT's maximum antenna gain.</p> |
| Modulation Mode                                     |                                                                                                                                                                                                                                                                                                                                                                                      |
| 1                                                   | 802.11ax (HEW20), 802.11ax (HEW40), 802.11ax (HEW80)<br>EUT 1_AP Router                                                                                                                                                                                                                                                                                                              |
| 2                                                   | 802.11ax (HEW80)<br>EUT 1_Extender - only Statistical Performance Check (Section 7.8.4) on one of the radar types is required to perform.                                                                                                                                                                                                                                            |

### 3 Dynamic Frequency Selection (DFS) Test Result

#### 3.1 General DFS Information

##### 3.1.1 DFS Parameters

| Table D.1: DFS requirement values |                                                                                                       |
|-----------------------------------|-------------------------------------------------------------------------------------------------------|
| Parameter                         | Value                                                                                                 |
| Non-occupancy period              | Minimum 30 minutes                                                                                    |
| Channel Availability Check Time   | 60 seconds                                                                                            |
| Channel Move Time                 | 10 seconds (Note 1).                                                                                  |
| Channel Closing Transmission Time | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second periods. (Notes 1 and 2). |
| U-NII Detection Bandwidth         | Minimum 100% of the 99% power bandwidth (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 Channel changes (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 is used and for each frequency step the minimum percentage of detection is 90%. Measurements are performed with no data traffic.

| Table D.2: Interference threshold values |                  |
|------------------------------------------|------------------|
| Maximum Transmit Power                   | Value (see note) |
| EIRP $\geq$ 200 mW                       | -64 dBm          |
| EIRP < 200 mW and PSD < 10dBm/MHz        | -62 dBm          |
| EIRP < 200 mW and PSD $\geq$ 10dBm/MHz   | -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 662911D01.

**3.1.2 Applicability of DFS Requirements Prior to Use of a Channel**

| Requirement                            | DFS Operational mode |                                |                             |
|----------------------------------------|----------------------|--------------------------------|-----------------------------|
|                                        | Master               | Client without radar detection | Client with radar detection |
| <i>Non-Occupancy Period</i>            | Yes                  | Not required                   | Yes                         |
| <i>DFS Detection Threshold</i>         | Yes                  | Not required                   | Yes                         |
| <i>Channel Availability Check Time</i> | Yes                  | Not required                   | Not required                |
| <i>U-NII Detection Bandwidth</i>       | Yes                  | Not required                   | Yes                         |

**3.1.3 Applicability of DFS Requirements during Normal Operation**

| Requirement                              | DFS Operational mode |                                |                             |
|------------------------------------------|----------------------|--------------------------------|-----------------------------|
|                                          | Master               | Client without radar detection | Client with radar detection |
| <i>DFS Detection Threshold</i>           | Yes                  | Not required                   | Yes                         |
| <i>Channel Closing Transmission Time</i> | Yes                  | Yes                            | Yes                         |
| <i>Channel Move Time</i>                 | Yes                  | Yes                            | Yes                         |
| <i>U-NII Detection Bandwidth</i>         | Yes                  | Not required                   | Yes                         |

| Additional requirements for devices with multiple bandwidth modes | Master Device 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.



### 3.1.4 User Access Restrictions

| User Access Restrictions            |                                                                                                                                                                                                                                              |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | DFS controls (hardware or software) related to radar detection are NOT accessible to the user. Manufacturer statement confirming that information regarding the parameters of the detected Radar Waveforms is not available to the end user. |

### 3.1.5 Channel Loading/Data Streaming

|                                     |                                                                                                |
|-------------------------------------|------------------------------------------------------------------------------------------------|
| <input type="checkbox"/>            | The data file (MPEG-4) has been transmitting in a streaming mode.                              |
| <input checked="" type="checkbox"/> | Software to ping the client is permitted to simulate data transfer with random ping intervals. |
| <input checked="" type="checkbox"/> | Minimum channel loading of approximately 17%.                                                  |
| <input type="checkbox"/>            | Unicast protocol has been used.                                                                |

## 3.2 Radar Test Waveform Calibration

### 3.2.1 Short Pulse Radar Test Waveforms

| Radar Type                                                                                                                                  | Pulse Width (μsec) | PRI (μsec)                                      | Number of Pulses                                                                                         | Minimum Percentage of Successful Detection | Minimum Trials |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------|
| 0                                                                                                                                           | 1                  | 1428                                            | 18                                                                                                       | See Note 1                                 | See Note 1     |
| 1A                                                                                                                                          | 1                  | 15 unique PRI in KDB 905462 D02 Table 5a        | $\text{Roundup}\left\{\left(\frac{1}{360}\right) \times \left(\frac{19 \times 10^6}{PRI}\right)\right\}$ | 60%                                        | 15             |
| 1B                                                                                                                                          | 1                  | 15 unique PRI within 518-3066, Excluding 1A PRI |                                                                                                          | 60%                                        | 15             |
| 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            |
| <b>Note 1:</b> Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests. |                    |                                                 |                                                                                                          |                                            |                |

A minimum of 30 unique waveforms are required for each of the short pulse radar types 1 through 4. If more than 30 waveforms are used for short pulse radar types 1 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. The aggregate is the average of the percentage of successful detections of short pulse radar types 1-4.

### 3.2.2 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 Trials |
|------------|--------------------|-------------------|------------|----------------------------|------------------|--------------------------------------------|----------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 80%                                        | 30             |

Each waveform is defined as follows:

- The transmission period for the Long Pulse Radar test signal is 12 seconds.
- There are a total of 8 to 20 Bursts in the 12 second period, with the number of Bursts being randomly chosen. This number is Burst Count.
- Each Burst consists of 1 to 3 pulses, with the number of pulses being randomly chosen. Each Burst within the 12 second sequence may have a different number of pulses.
- The pulse width is between 50 and 100 microseconds, with the pulse width being randomly chosen. Each pulse within a Burst will have the same pulse width. Pulses in different Bursts may have different pulse widths.
- Each pulse has a linear FM chirp between 5 and 20 MHz, with the chirp width being randomly chosen. Each pulse within a transmission period will have the same chirp width. The chirp is centered on the pulse. For example, with a radar frequency of 5300 MHz and a 20 MHz chirped signal, the chirp starts at 5290 MHz and

ends at 5310 MHz.

- If more than one pulse is present in a Burst, the time between the pulses will be between 1000 and 2000 microseconds, with the time being randomly chosen. If three pulses are present in a Burst, the time between the first and second pulses is chosen independently of the time between the second and third pulses.
- The 12 second transmission period is divided into even intervals. The number of intervals is equal to Burst Count. Each interval is of length  $(12,000,000 / \text{Burst Count})$  microseconds. Each interval contains one Burst. The start time for the Burst, relative to the beginning of the interval, is between 1 and  $[(12,000,000 / \text{Burst Count}) - (\text{Total Burst Length}) + (\text{One Random PRI Interval})]$  microseconds, with the start time being randomly chosen. The step interval for the start time is 1 microsecond. The start time for each Burst is chosen independently.

### 3.2.3 Frequency Hopping Radar Test Waveform

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

For the Frequency Hopping Radar Type, the same Burst parameters are used for each waveform. The hopping sequence is different for each waveform and a 100-length segment is selected from the hopping sequence defined by the following algorithm:

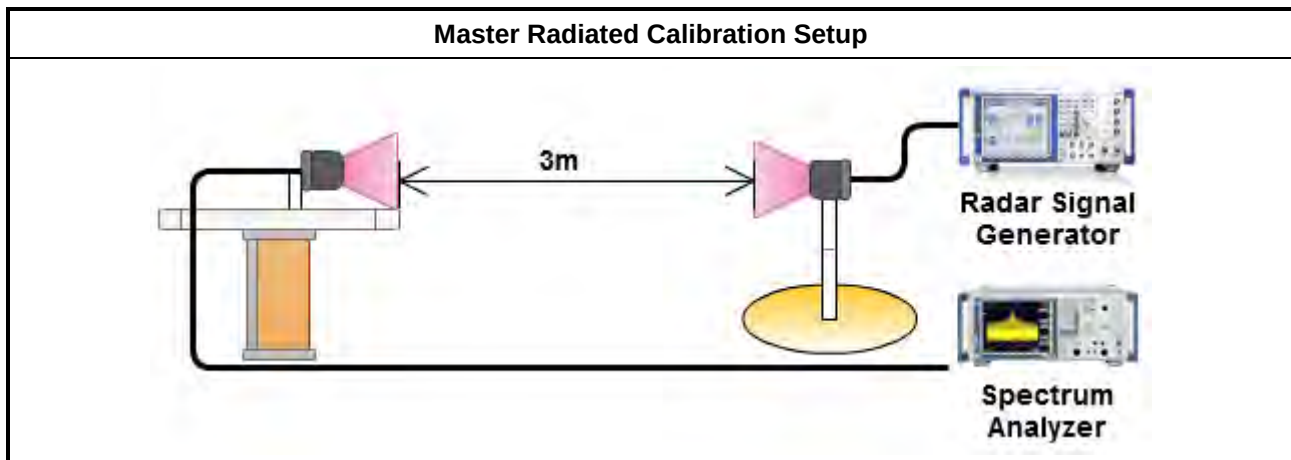
The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250 – 5724 MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group.

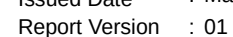
### 3.2.4 DFS Threshold Level

| DFS Threshold Level                                                                                                                                                                                        |                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| DFS Threshold level: -63 dBm                                                                                                                                                                               | <input type="checkbox"/> at the antenna connector           |
|                                                                                                                                                                                                            | <input checked="" type="checkbox"/> in front of the antenna |
| The Interference <b>Radar Detection Threshold Level</b> is $-64 \text{ dBm} + 0 [\text{dBi}] + 1 \text{ dB} = -63 \text{ dBm}$ . That had been taken into account the output power range and antenna gain. |                                                             |



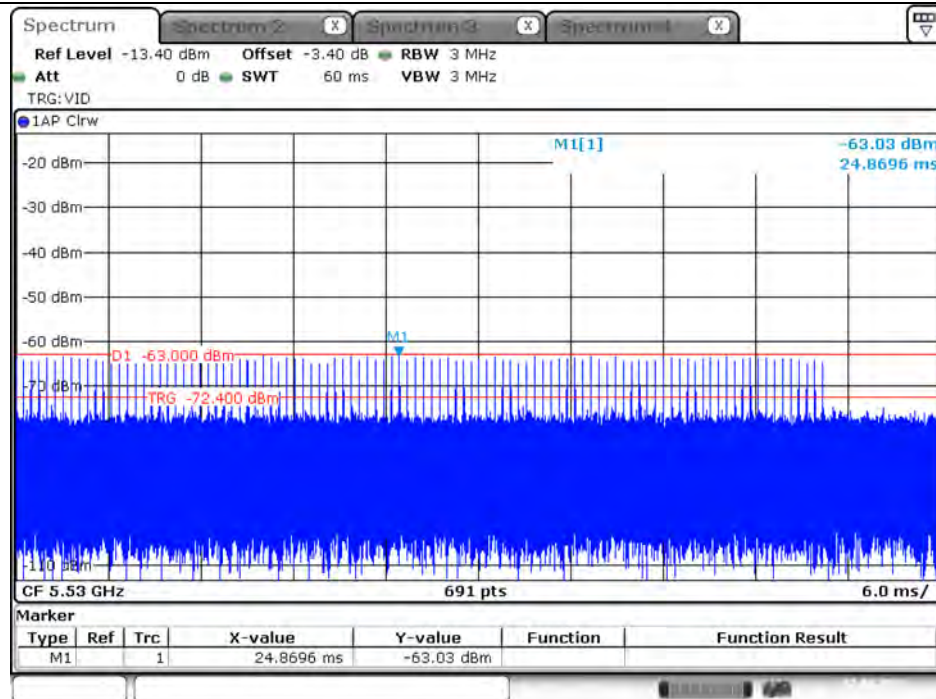
### 3.2.5 Calibration Setup







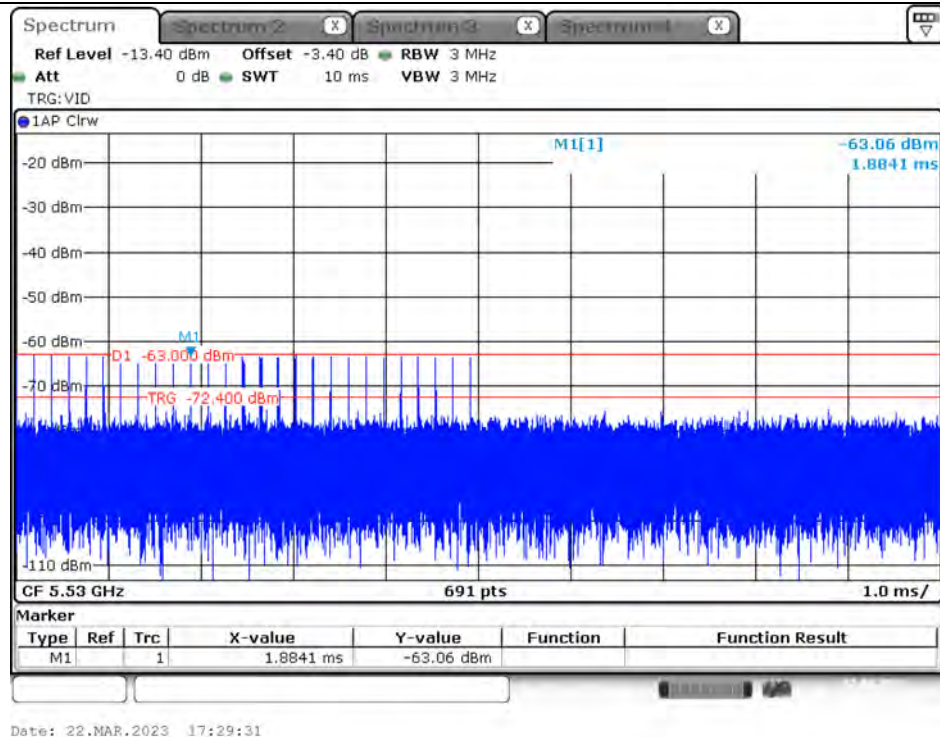
Radar #1 DFS detection threshold level



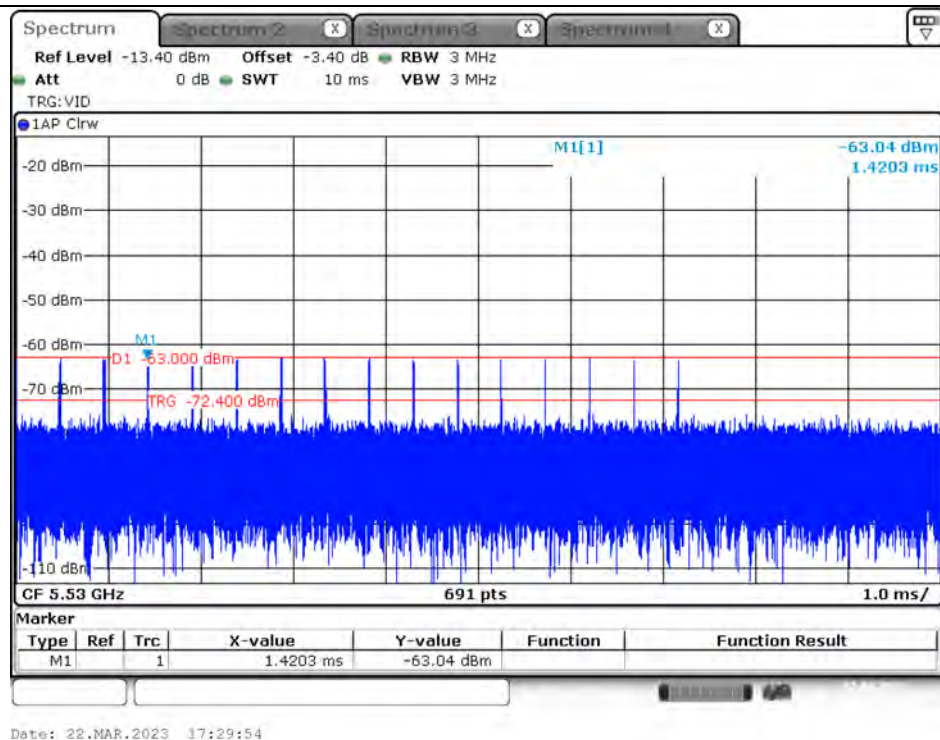
Date: 22.MAR.2023 17:29:00



Radar #2 DFS detection threshold level

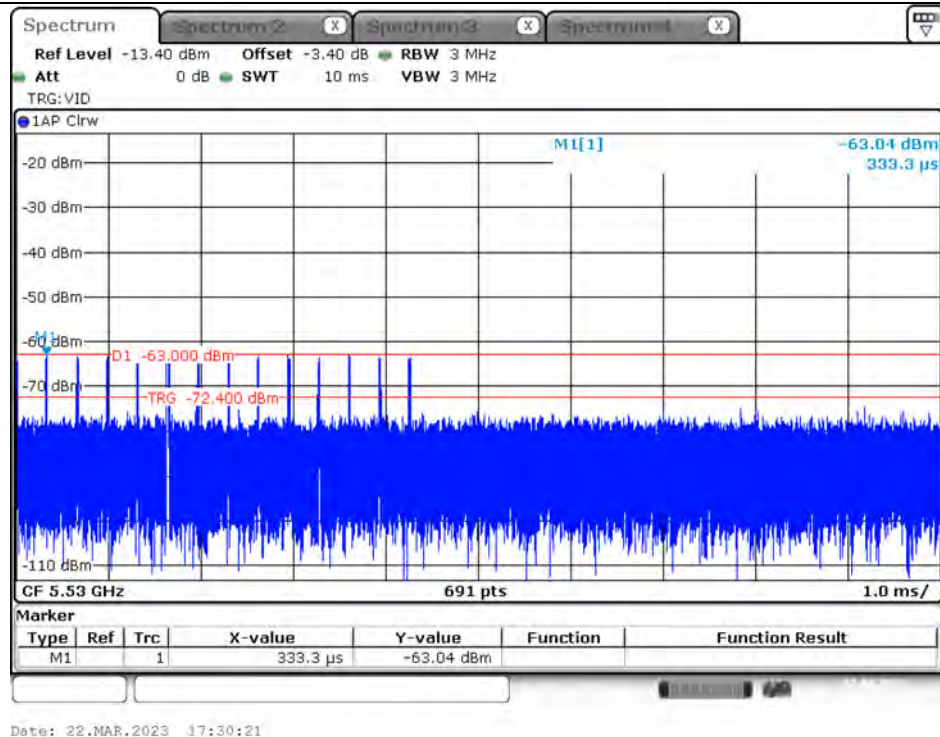


Radar #3 DFS detection threshold level

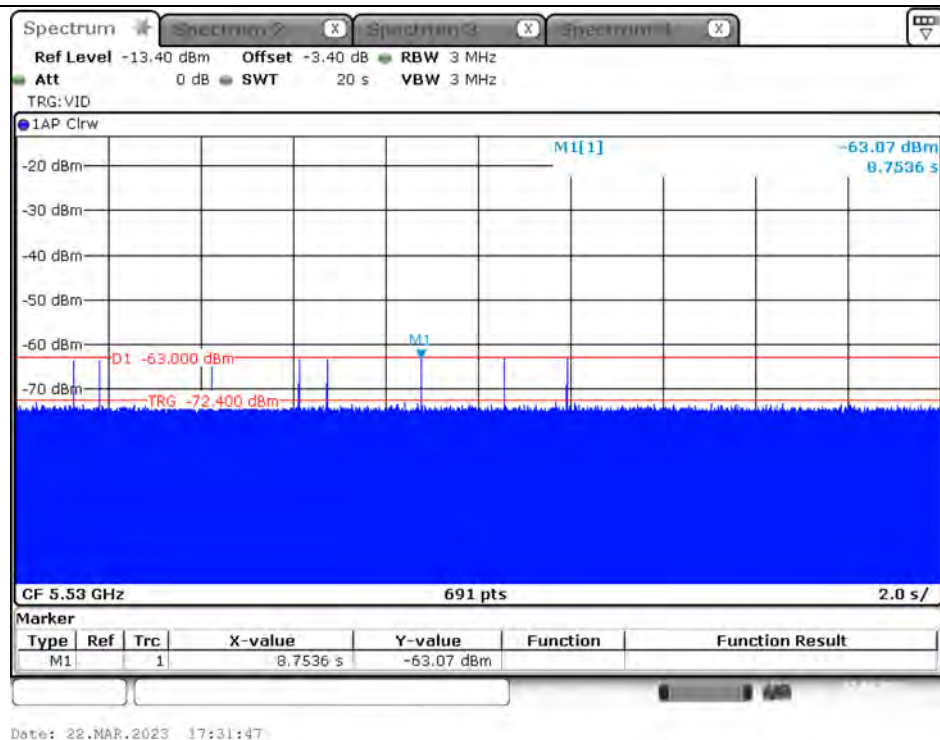




### Radar #4 DFS detection threshold level



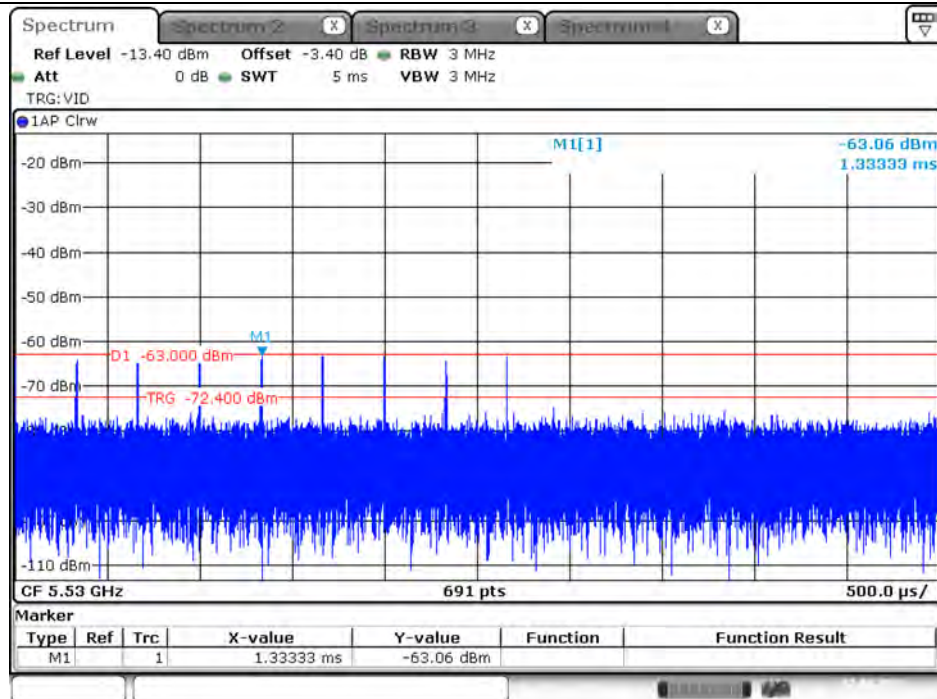
### Radar #5 DFS detection threshold level







Radar #6 DFS detection threshold level



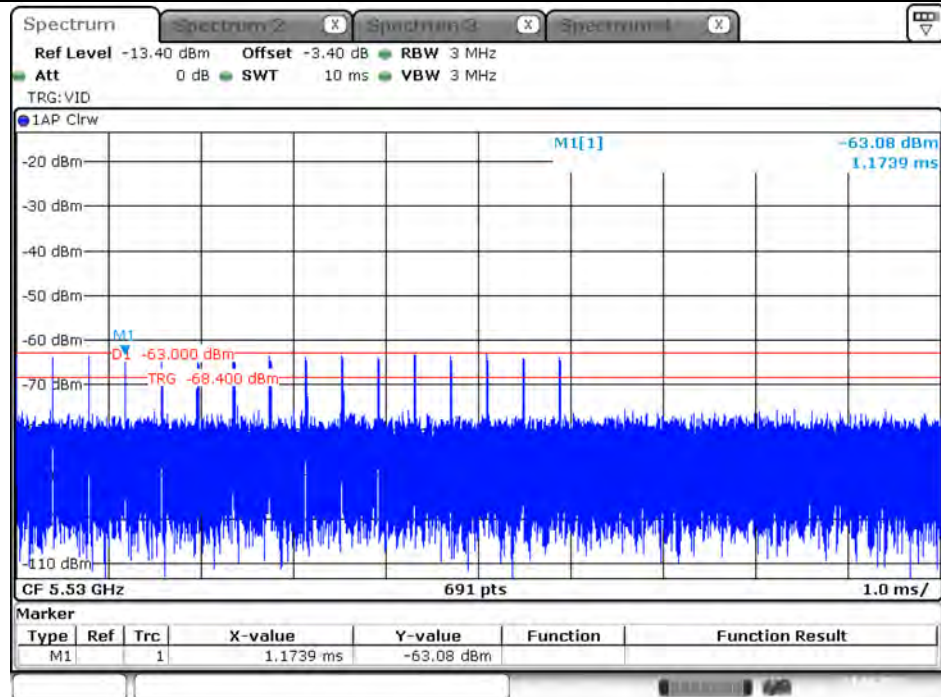
Date: 22.MAR.2023 17:35:48



For Extender

Test Frequency: 5530 MHz

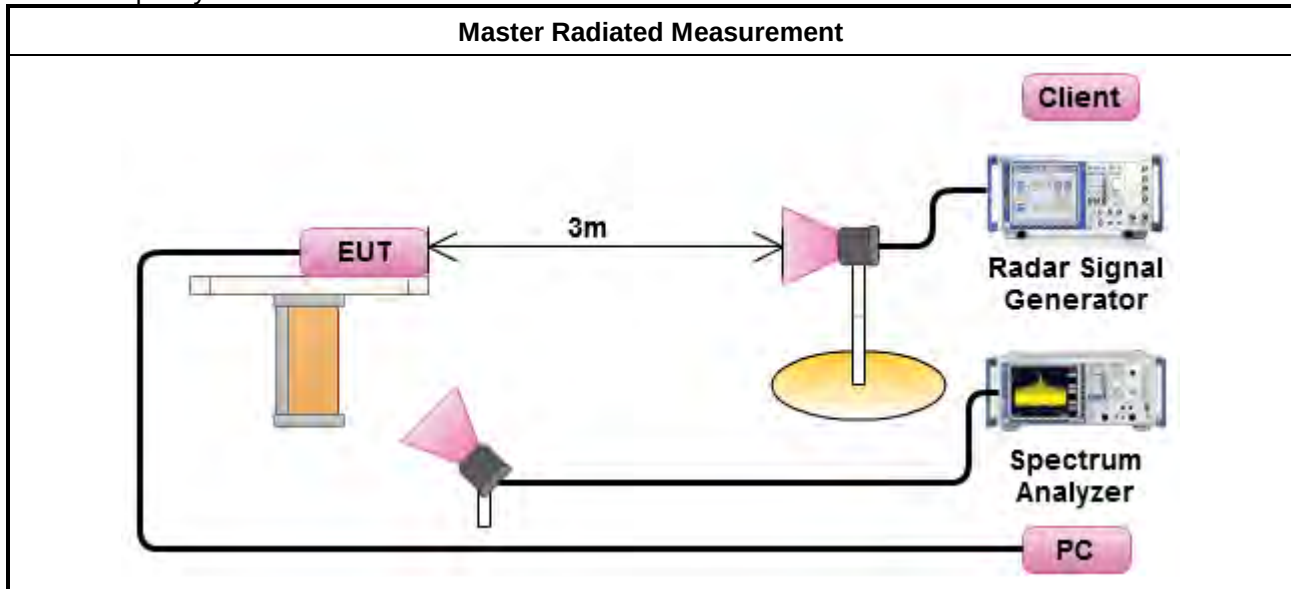
Radar #0 DFS detection threshold level



Date: 23.MAR.2023 00:36:15

### 3.2.7 Test Setup

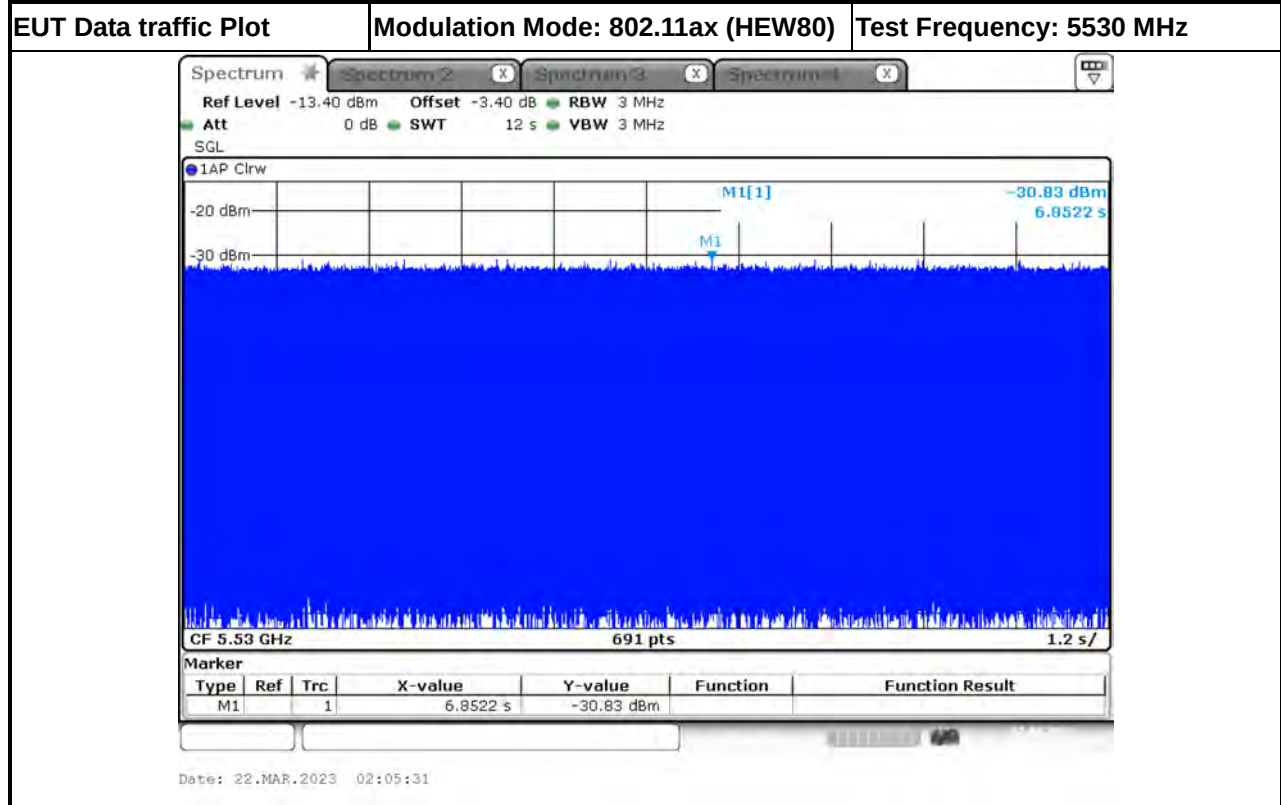
A spectrum analyzer is used as a monitor to verify that the EUT has vacated the Channel within the (Channel Closing Transmission Time and Channel Move Time, and does not transmit on a Channel during the Non-Occupancy Period after the detection and Channel move.

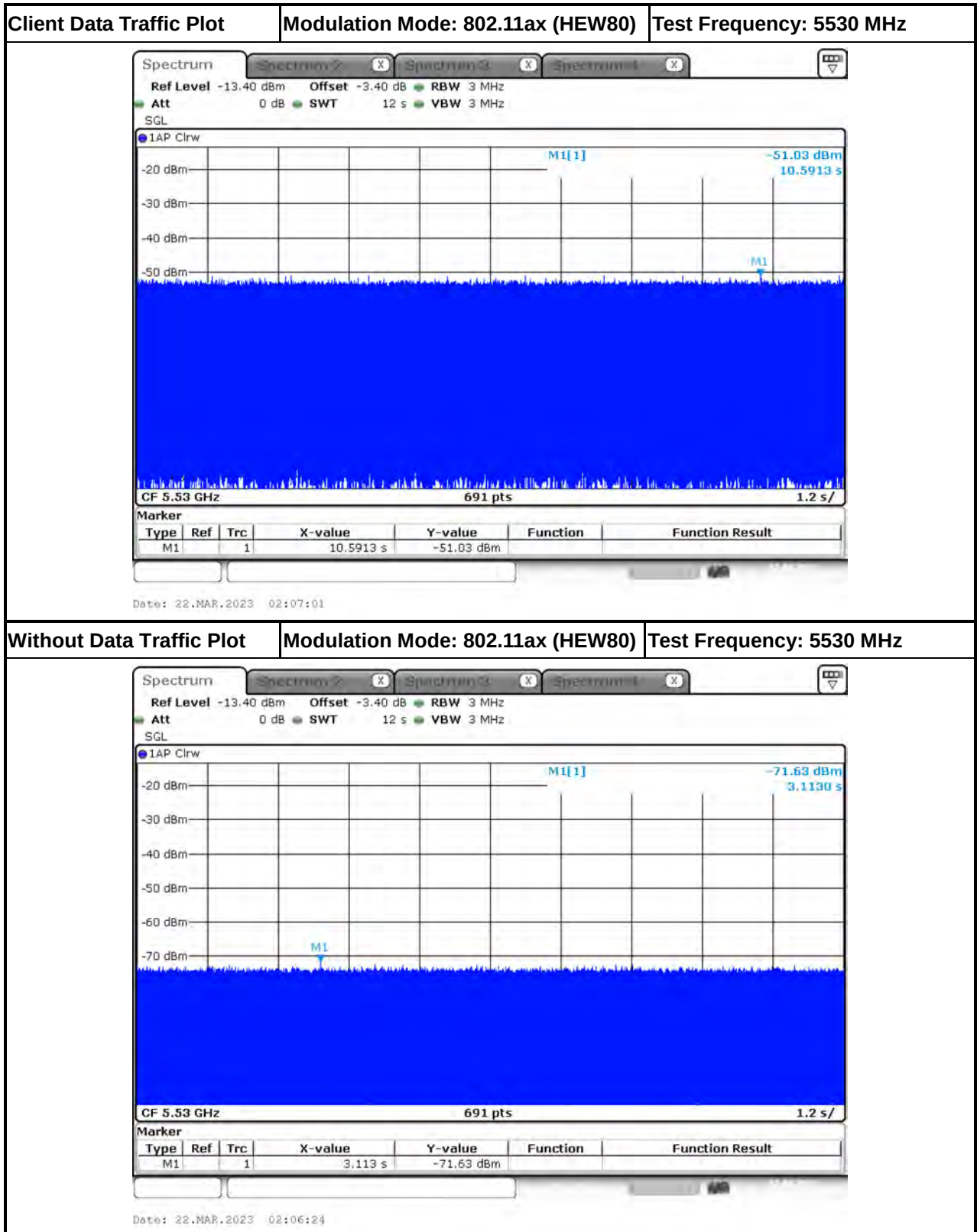




### 3.2.8 Data traffic Plot

For AP Router





### 3.3 UNII Detection Bandwidth

#### 3.3.1 UNII Detection Bandwidth Limit

For AP Router

| Channel Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | UNII Detection Bandwidth Min. Limit (MHz) |
|-------------------------|------------------------------|-------------------------------------------|
| 20                      | 18.840                       | 19.000                                    |
| 40                      | 37.047                       | 38.000                                    |
| 80                      | 75.832                       | 76.000                                    |

UNII Detection Bandwidth is minimum 100% of the 99% power bandwidth. A single radar Burst is generated for a minimum of 10 trials, and the response of the UUT is noted. The UUT must detect the Radar Waveform 90% or more of the time.

#### 3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

#### 3.3.3 Test Procedures

| Test Method                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | During the U-NII Detection Bandwidth detection test, radar type 0 is used and for each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic. The EUT is set up as a standalone device (no associated Client and no traffic). The radar frequency is increased in 1 MHz steps, repeating the above test sequence, until the detection rate falls below 90%. The highest frequency at which detection is greater than or equal to 90% is denoted as $F_H$ . The radar frequency is decreased in 1 MHz steps, repeating the above test sequence, until the detection rate falls below 90%. The lowest frequency at which detection is greater than or equal to 90% is denoted as $F_L$ .<br>UNII Detection Bandwidth = $F_H - F_L$ . |



### 3.3.4 Test Result of UNII Detection Bandwidth

For AP Router

| EUT Frequency=5500 MHz                                                |                                                     |   |   |   |   |   |   |   |   |    |                    |
|-----------------------------------------------------------------------|-----------------------------------------------------|---|---|---|---|---|---|---|---|----|--------------------|
| Channel Bandwidth (MHz)                                               | 20                                                  |   |   |   |   |   |   |   |   |    |                    |
| Radar Frequency (MHz)                                                 | DFS Detection Trials (1=Detection, 0= No Detection) |   |   |   |   |   |   |   |   |    | Detection Rate (%) |
|                                                                       | 1                                                   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5489                                                                  | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| 5490(FL)                                                              | 1                                                   | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 90                 |
| 5491                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5492                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5493                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5494                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5495                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5500                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5505                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5506                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5507                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5508                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5509                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5510(FH)                                                              | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1  | 90                 |
| 5511                                                                  | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| Radar Type 0-Detection Bandwidth (MHz) = (FH-FL) = (5510MHz-5490MHz)= |                                                     |   |   |   |   |   |   |   |   |    | 20.000             |
| UNII Detection Bandwidth Min. Limit (MHz) =                           |                                                     |   |   |   |   |   |   |   |   |    | 19.000             |
| <b>Test Result</b>                                                    |                                                     |   |   |   |   |   |   |   |   |    | <b>Complied</b>    |



| EUT Frequency=5510 MHz                                                |                                                     |   |   |   |   |   |   |   |   |    |                    |
|-----------------------------------------------------------------------|-----------------------------------------------------|---|---|---|---|---|---|---|---|----|--------------------|
| Channel Bandwidth (MHz)                                               | 40                                                  |   |   |   |   |   |   |   |   |    |                    |
| Radar Frequency (MHz)                                                 | DFS Detection Trials (1=Detection, 0= No Detection) |   |   |   |   |   |   |   |   |    | Detection Rate (%) |
|                                                                       | 1                                                   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5489                                                                  | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| 5490(FL)                                                              | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1  | 90                 |
| 5491                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5492                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5493                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5494                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5495                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5500                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5505                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5510                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5515                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5520                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5525                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5526                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5527                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5528                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5529                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5530(FH)                                                              | 1                                                   | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1  | 90                 |
| 5531                                                                  | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| Radar Type 0-Detection Bandwidth (MHz) = (FH-FL) = (5530MHz-5490MHz)= |                                                     |   |   |   |   |   |   |   |   |    | 40.000             |
| UNII Detection Bandwidth Min. Limit (MHz) =                           |                                                     |   |   |   |   |   |   |   |   |    | 38.000             |
| <b>Test Result</b>                                                    |                                                     |   |   |   |   |   |   |   |   |    | <b>Complied</b>    |



| EUT Frequency=5530 MHz                                                |                                                     |   |   |   |   |   |   |   |   |    |                    |
|-----------------------------------------------------------------------|-----------------------------------------------------|---|---|---|---|---|---|---|---|----|--------------------|
| Channel Bandwidth (MHz)                                               | 80                                                  |   |   |   |   |   |   |   |   |    |                    |
| Radar Frequency (MHz)                                                 | DFS Detection Trials (1=Detection, 0= No Detection) |   |   |   |   |   |   |   |   |    | Detection Rate (%) |
|                                                                       | 1                                                   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5491                                                                  | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| 5492(FL)                                                              | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1  | 90                 |
| 5493                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5494                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5495                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5500                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5505                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5510                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5515                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5520                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5525                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5530                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5535                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5540                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5545                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5550                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5555                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5560                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5565                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5566                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5567                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5568(FH)                                                              | 1                                                   | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 90                 |
| 5569                                                                  | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| Radar Type 0-Detection Bandwidth (MHz) = (FH-FL) = (5568MHz-5492MHz)= |                                                     |   |   |   |   |   |   |   |   |    | 76.000             |
| UNII Detection Bandwidth Min. Limit (MHz) =                           |                                                     |   |   |   |   |   |   |   |   |    | 76.000             |
| <b>Test Result</b>                                                    |                                                     |   |   |   |   |   |   |   |   |    | <b>Complied</b>    |

### 3.4 Channel Availability Check (CAC)

#### 3.4.1 Channel Availability Check Limit

| Channel Availability Check Limit    |                                                                                                                                                                                                                |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | The EUT shall perform a Channel Availability Check to ensure that there is no radar operating on the channel. After power-up sequence, receive at least 1 minute (60 sec) on the intended operating frequency. |

#### 3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

#### 3.4.3 Test Procedures

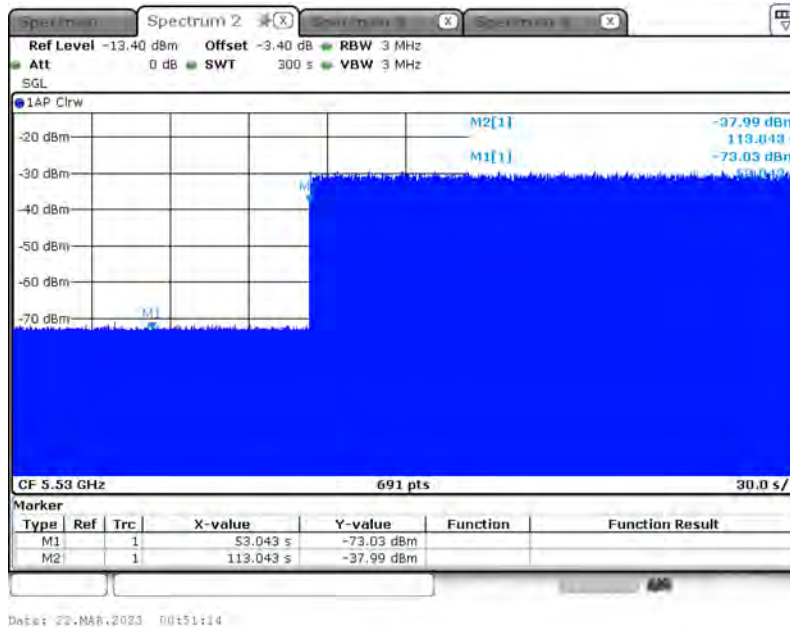
| Test Method                         |                                                                                                                                                                                                                                                                                                       |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | For Initial Channel Availability Check Time. The EUT does not emit beacon, control, or data signals on the test Channel until the power-up sequence has been completed and the UNII device checks for Radar Waveforms for one minute on the test Channel. This test does not use any Radar Waveforms. |
| <input checked="" type="checkbox"/> | For Radar Burst at the Beginning of the Channel Availability Check Time. To verify successful radar detection on the selected Channel during a period equal to the Beginning of the Channel Availability Check Time.                                                                                  |
| <input checked="" type="checkbox"/> | For Radar Burst at the End of the Channel Availability Check Time. To verify successful radar detection on the selected Channel during a period equal to the End of the Channel Availability Check Time.                                                                                              |

### 3.4.4 Test Result of Initial Channel Availability Check Time

For AP Router

| Modulation Mode  | Freq.    | Radar Test Signal |
|------------------|----------|-------------------|
| 802.11ax (HEW80) | 5530 MHz | N/A               |

The EUT does not transmit any beacon or data transmissions until at least 1 minute after the completion of the power-on cycle (53.043 sec). The initial CAC time of the EUT is indicated by marker 1 (53.043 sec). Initial beacons/data transmissions are indicated by marker 2 (113.043 sec).



|                    |                 |
|--------------------|-----------------|
| <b>Test Result</b> | <b>Complied</b> |
|--------------------|-----------------|



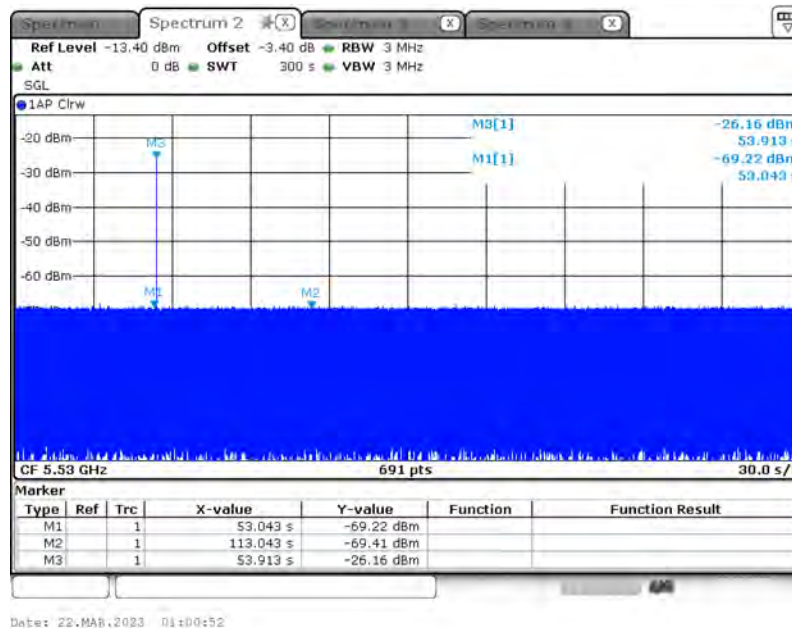


### 3.4.5 Test Result of Radar Burst at the Beginning of the Channel Availability Check Time

For AP Router

| Modulation Mode  | Freq. (MHz) | Radar Type Signal |
|------------------|-------------|-------------------|
| 802.11ax (HEW80) | 5530 MHz    | 0                 |

Visual indication on the EUT of successful detection of the radar Burst will be recorded and reported. Observation of emissions will continue for 246.087 seconds after the radar Burst has been generated. Verify that during the 300 seconds measurement window no EUT transmissions occurred.



Test Result

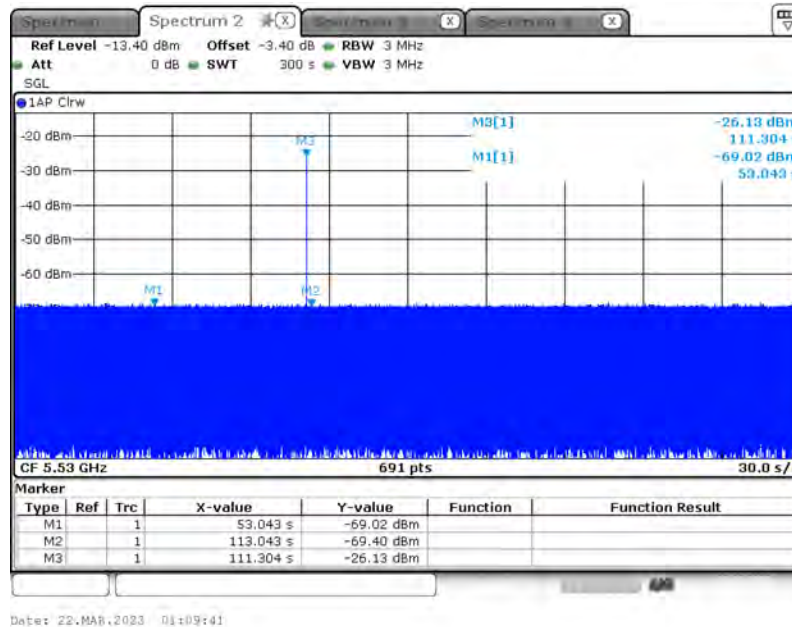
Complied



### 3.4.6 Test Result of Radar Burst at the End of the Channel Availability Check Time For AP Router

| Modulation Mode  | Freq. (MHz) | Radar Type Signal |
|------------------|-------------|-------------------|
| 802.11ax (HEW80) | 5530 MHz    | 0                 |

Visual indication on the EUT of successful detection of the radar Burst will be recorded and reported. Observation of emissions will continue for 188.696 seconds after the radar Burst has been generated. Verify that during the 300 seconds measurement window no EUT transmissions occurred.



Test Result

Complied

### 3.5 In-service Monitoring

#### 3.5.1 In-service Monitoring Limit

| In-service Monitoring Limit       |                                                               |
|-----------------------------------|---------------------------------------------------------------|
| Channel Move Time                 | 10 sec                                                        |
| Channel Closing Transmission Time | 200 ms + an aggregate of 60 ms over remaining 10 sec periods. |
| Non-occupancy period              | Minimum 30 minutes                                            |

#### 3.5.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

#### 3.5.3 Test Procedures

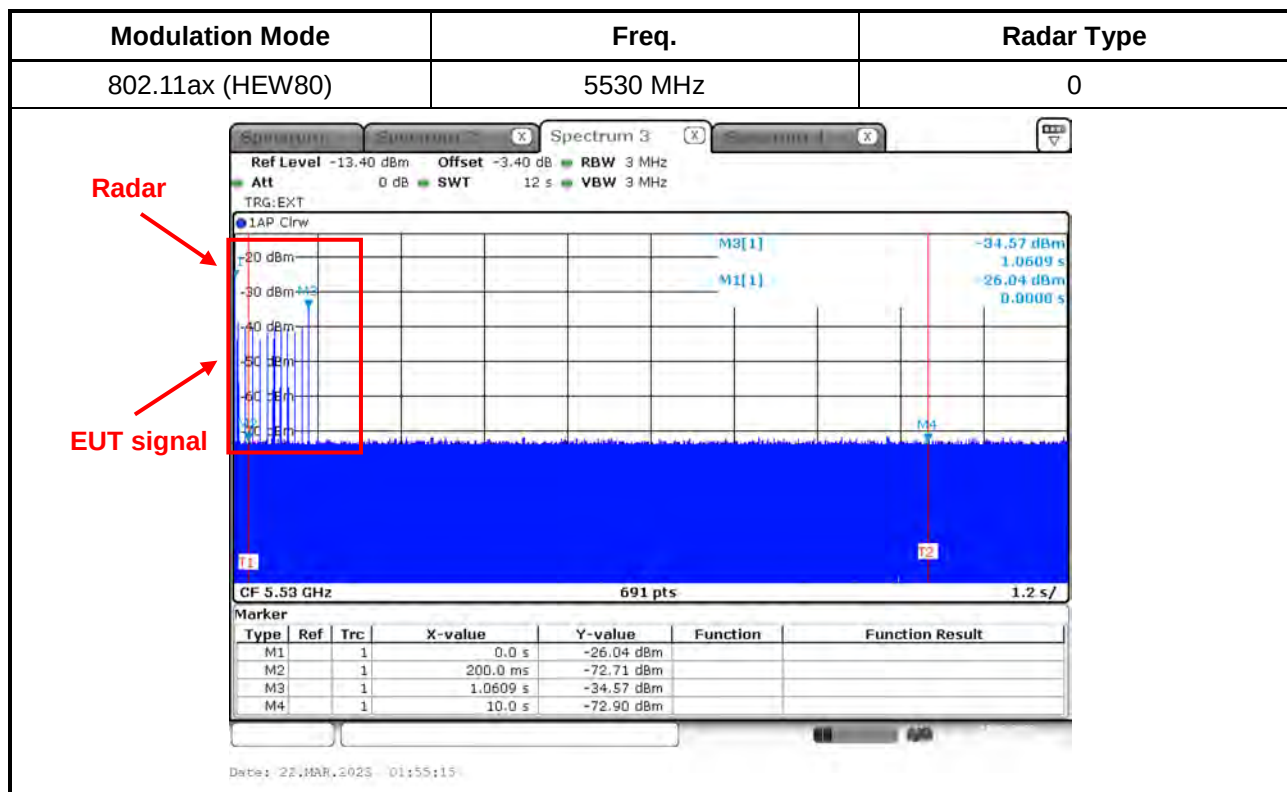
| Test Method                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | Verified during In-Service Monitoring; Channel Closing Transmission Time, Channel Move Time. Client Device will associate with the EUT. Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the EUT during the observation time (Channel Move Time). Compare the Channel Move Time and Channel Closing Transmission Time limits. |
| <input checked="" type="checkbox"/> | Verified during In-Service Monitoring; Channel Closing Transmission Time, Channel Move Time. One 12 sec plot needs to be reported for the Short Pulse Radar Types 0. And zoom-in a 60 ms plot verified channel closing time for the aggregate transmission time starting from 200ms after the end of the radar signal to the completion of the channel move.                                                                                             |
| <input checked="" type="checkbox"/> | Verified during In-Service Monitoring; Non-Occupancy Period. Client Device will associate with the EUT. Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the EUT during the observation time (Non-Occupancy Period). Compare the Non-Occupancy Period limits.                                                                 |

### 3.5.4 Test Result of Channel Move Time

For AP Router

Modulation Mode: 802.11ax (HEW80)

| Parameter                | Test Result | Limit |
|--------------------------|-------------|-------|
|                          | Type 0      |       |
| Test Channel (MHz)       | 5530 MHz    | -     |
| Channel Move Time (sec.) | 1.060       | < 10s |



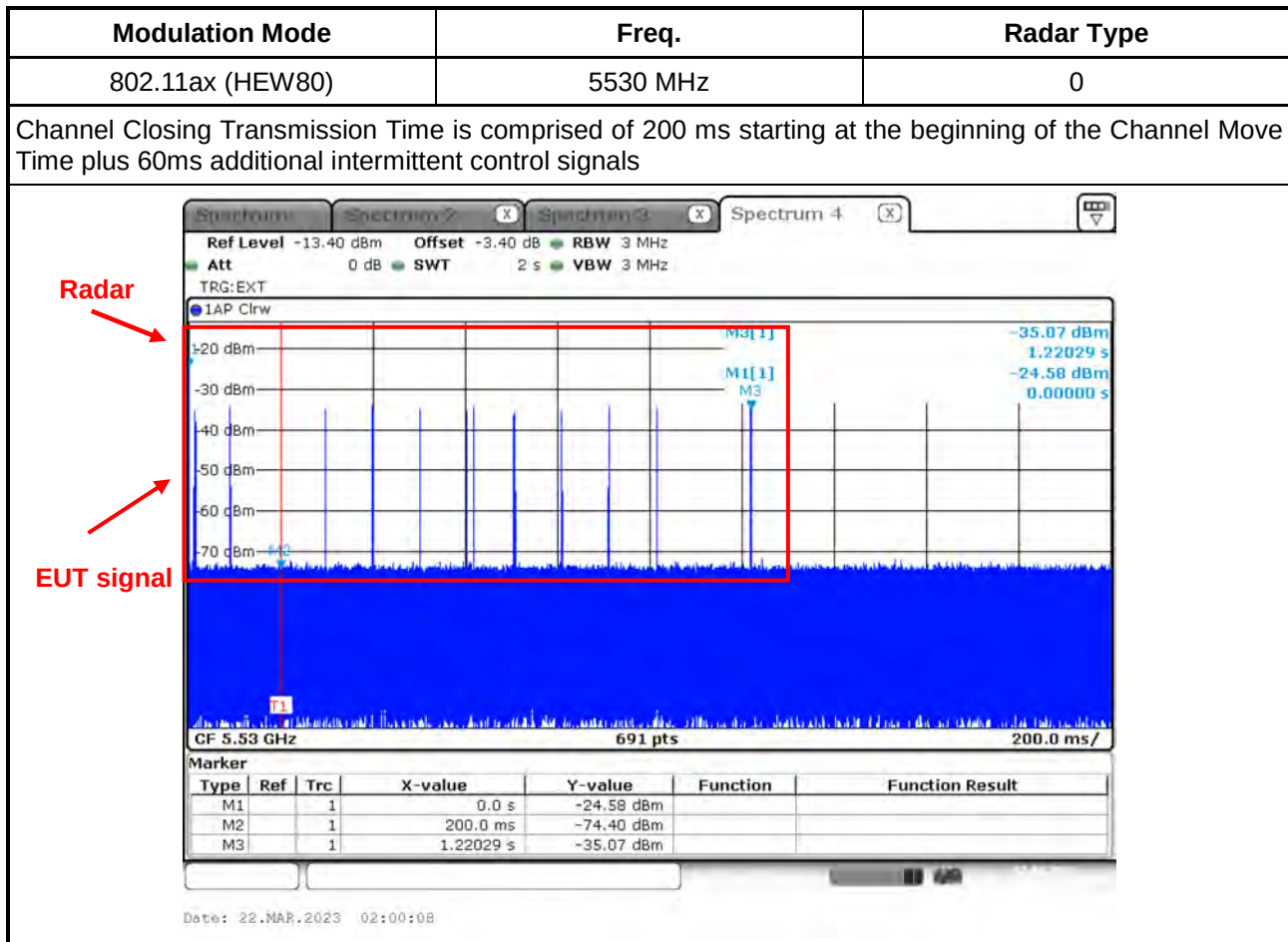
### 3.5.5 Test Result of Channel Closing Transmission Time

For AP Router

Modulation Mode: 802.11ax (HEW80)

| Parameter                                     | Test Result | Limit  |
|-----------------------------------------------|-------------|--------|
|                                               | Type 0      |        |
| Test Channel (MHz)                            | 5530 MHz    | -      |
| Channel Closing Transmission Time (ms) (Note) | 37.680      | < 60ms |

Note: 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 seconds period. The aggregate duration of control signals will not count quiet periods in between transmissions.



Dwell is the dwell time per spectrum analyzer sampling bin.

S is the sweep time

B is the number of spectrum analyzer sampling bins

C is the intermittent control signals of Channel Closing Transmission Time

N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission

Dwell (2.9 ms) = S (2000 ms) / B (690)

C (37.680 ms) = N (13) X Dwell (2.9 ms)

### 3.5.6 Test Result of Non-Occupancy Period

For AP Router

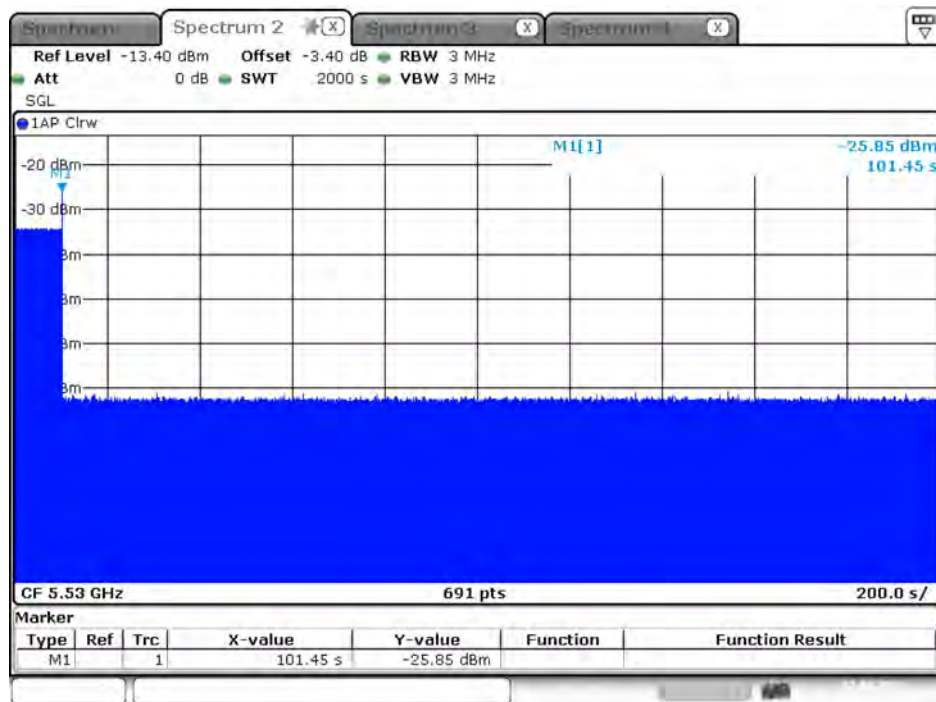
Modulation Mode: 802.11ax (HEW80)

| Parameter                   | Test Result | Limit         |
|-----------------------------|-------------|---------------|
|                             | Type 0      |               |
| Test Channel (MHz)          | 5530 MHz    | -             |
| Non-Occupancy Period (min.) | $\geq 30$   | $\geq 30$ min |

| Modulation Mode  | Freq.    |
|------------------|----------|
| 802.11ax (HEW80) | 5530 MHz |

#### Non-Occupancy Period

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.



Date: 22.MAR.2023 01:46:58



### 3.6 Statistical Performance Check

#### 3.6.1 Statistical Performance Check Limit

| Radar Type                  | Minimum Percentage of Successful Detection (Pd) | Minimum Trials |
|-----------------------------|-------------------------------------------------|----------------|
| 1                           | 60%                                             | 30             |
| 2                           | 60%                                             | 30             |
| 3                           | 60%                                             | 30             |
| 4                           | 60%                                             | 30             |
| Aggregate (Radar Types 1-4) | 80%                                             | 120            |
| 5                           | 80%                                             | 30             |
| 6                           | 70%                                             | 30             |

The percentage of successful detection is calculated by:

$$\frac{\text{TotalWaveformDetections}}{\text{TotalWaveformTrails}} \times 100 = \text{Probability of Detection Radar Waveform}$$

In addition an aggregate minimum percentage of successful detection across all Short Pulse Radar Types 1-4 is required and is calculated as follows:

$$\frac{Pd1 + Pd2 + Pd3 + Pd4}{4}$$

#### 3.6.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

#### 3.6.3 Test Procedures

| Test Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> For Statistical Performance Check test. Demonstrating a minimum channel loading of approximately 17% or greater of the test. Observe the transmissions of the UUT at the end of the Burst on the Operating Channel for duration greater than 10 seconds for Short Pulse Radar Types 1-4 and 6 to ensure detection occurs. Then Observe the transmissions of the UUT at the end of the Burst on the Operating Channel for duration greater than 22 seconds for Long Pulse Radar Type 5 to ensure detection occurs. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs. |



**3.6.4 Test Result of Statistical Performance Check**

For AP Router

Modulation Mode: 802.11ax (HEW20)

**Type 1 Radar Statistical Performance**

| Trial #                  | Test Freq. (MHz) | Pulse Repetition<br>Frequency Number | Pulse Repetition<br>Frequency<br>(Pulse Per Second) | PRI (us) | 1=Detection<br>0=No Detection |
|--------------------------|------------------|--------------------------------------|-----------------------------------------------------|----------|-------------------------------|
| 1                        | 5503             | 1                                    | 1930.5                                              | 518      | 1                             |
| 2                        | 5509             | 23                                   | 326.2                                               | 3066     | 1                             |
| 3                        | 5497             | 19                                   | 1139.0                                              | 878      | 1                             |
| 4                        | 5502             | 12                                   | 1355.0                                              | 738      | 1                             |
| 5                        | 5497             | 4                                    | 1730.1                                              | 578      | 1                             |
| 6                        | 5510             | 8                                    | 1519.8                                              | 658      | 1                             |
| 7                        | 5497             | 15                                   | 1253.1                                              | 798      | 1                             |
| 8                        | 5503             | 6                                    | 1618.1                                              | 618      | 1                             |
| 9                        | 5496             | 14                                   | 1285.3                                              | 778      | 1                             |
| 10                       | 5506             | 3                                    | 1792.1                                              | 558      | 1                             |
| 11                       | 5494             | 13                                   | 1319.3                                              | 758      | 1                             |
| 12                       | 5501             | 9                                    | 1474.9                                              | 678      | 1                             |
| 13                       | 5507             | 7                                    | 1567.4                                              | 638      | 1                             |
| 14                       | 5492             | 17                                   | 1193.3                                              | 838      | 1                             |
| 15                       | 5496             | 10                                   | 1432.7                                              | 698      | 1                             |
| 16                       | 5491             | -                                    | 1692.0                                              | 591      | 0                             |
| 17                       | 5494             | -                                    | 328.1                                               | 3048     | 1                             |
| 18                       | 5499             | -                                    | 373.4                                               | 2678     | 1                             |
| 19                       | 5504             | -                                    | 574.4                                               | 1741     | 1                             |
| 20                       | 5491             | -                                    | 1216.5                                              | 822      | 0                             |
| 21                       | 5498             | -                                    | 801.3                                               | 1248     | 1                             |
| 22                       | 5495             | -                                    | 488.5                                               | 2047     | 1                             |
| 23                       | 5494             | -                                    | 956.0                                               | 1046     | 1                             |
| 24                       | 5507             | -                                    | 517.6                                               | 1932     | 1                             |
| 25                       | 5508             | -                                    | 1422.5                                              | 703      | 1                             |
| 26                       | 5498             | -                                    | 542.0                                               | 1845     | 1                             |
| 27                       | 5501             | -                                    | 741.3                                               | 1349     | 1                             |
| 28                       | 5509             | -                                    | 881.8                                               | 1134     | 1                             |
| 29                       | 5502             | -                                    | 427.4                                               | 2340     | 1                             |
| 30                       | 5508             | -                                    | 628.9                                               | 1590     | 0                             |
| Detection Percentage (%) |                  |                                      |                                                     |          | 90.000                        |
| Limit                    |                  |                                      |                                                     |          | 60%                           |
| <b>Test Result</b>       |                  |                                      |                                                     |          | <b>Complied</b>               |

**Type 2 Radar Statistical Performance**

| Trial #                  | Test Freq. (MHz) | Pulse Width (us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|------------------|------------------|----------|----------------|-------------------------------|
| 1                        | 5503             | 2.6              | 221      | 23             | 1                             |
| 2                        | 5507             | 4.6              | 198      | 27             | 1                             |
| 3                        | 5490             | 1.1              | 184      | 29             | 0                             |
| 4                        | 5509             | 4.8              | 203      | 24             | 1                             |
| 5                        | 5493             | 2.4              | 162      | 25             | 1                             |
| 6                        | 5510             | 3.4              | 204      | 28             | 1                             |
| 7                        | 5496             | 2.3              | 170      | 27             | 1                             |
| 8                        | 5503             | 3.5              | 184      | 23             | 1                             |
| 9                        | 5507             | 4.9              | 150      | 27             | 1                             |
| 10                       | 5494             | 4.6              | 211      | 29             | 1                             |
| 11                       | 5502             | 2.9              | 158      | 23             | 1                             |
| 12                       | 5494             | 2.6              | 226      | 27             | 1                             |
| 13                       | 5509             | 1.6              | 204      | 26             | 1                             |
| 14                       | 5491             | 3.9              | 181      | 25             | 1                             |
| 15                       | 5505             | 4.6              | 202      | 24             | 1                             |
| 16                       | 5491             | 4.1              | 194      | 27             | 0                             |
| 17                       | 5493             | 2.3              | 193      | 28             | 1                             |
| 18                       | 5494             | 3.9              | 173      | 29             | 1                             |
| 19                       | 5504             | 4.3              | 188      | 23             | 1                             |
| 20                       | 5504             | 1.5              | 215      | 26             | 1                             |
| 21                       | 5496             | 4.9              | 227      | 27             | 1                             |
| 22                       | 5498             | 1.1              | 199      | 23             | 1                             |
| 23                       | 5497             | 4.5              | 155      | 29             | 0                             |
| 24                       | 5502             | 4.0              | 190      | 27             | 1                             |
| 25                       | 5499             | 2.4              | 151      | 23             | 1                             |
| 26                       | 5510             | 2.5              | 180      | 28             | 1                             |
| 27                       | 5501             | 2.5              | 228      | 23             | 1                             |
| 28                       | 5501             | 2.5              | 203      | 25             | 1                             |
| 29                       | 5507             | 1.5              | 188      | 25             | 1                             |
| 30                       | 5501             | 1.9              | 217      | 24             | 0                             |
| Detection Percentage (%) |                  |                  |          |                | 86.667                        |
| Limit                    |                  |                  |          |                | 60%                           |
| Test Result              |                  |                  |          |                | <b>Complied</b>               |

**Type 3 Radar Statistical Performance**

| Trial #                  | Test Freq. (MHz) | Pulse Width (us) | PRI (us) | Pulses / Burst | 1=Detection ;<br>0=No Detection |
|--------------------------|------------------|------------------|----------|----------------|---------------------------------|
| 1                        | 5497             | 8.0              | 205      | 16             | 1                               |
| 2                        | 5507             | 6.7              | 382      | 18             | 1                               |
| 3                        | 5490             | 8.6              | 418      | 16             | 0                               |
| 4                        | 5504             | 9.4              | 351      | 17             | 1                               |
| 5                        | 5497             | 7.4              | 383      | 18             | 1                               |
| 6                        | 5506             | 9.8              | 232      | 16             | 1                               |
| 7                        | 5491             | 9.1              | 377      | 17             | 1                               |
| 8                        | 5503             | 9.6              | 457      | 16             | 1                               |
| 9                        | 5492             | 8.0              | 471      | 18             | 1                               |
| 10                       | 5504             | 9.0              | 304      | 18             | 1                               |
| 11                       | 5495             | 8.0              | 316      | 17             | 1                               |
| 12                       | 5497             | 9.8              | 325      | 16             | 1                               |
| 13                       | 5504             | 8.0              | 409      | 17             | 1                               |
| 14                       | 5507             | 9.9              | 200      | 17             | 1                               |
| 15                       | 5495             | 8.8              | 458      | 16             | 1                               |
| 16                       | 5503             | 8.0              | 232      | 18             | 1                               |
| 17                       | 5502             | 8.3              | 250      | 16             | 1                               |
| 18                       | 5499             | 8.7              | 270      | 16             | 1                               |
| 19                       | 5509             | 7.7              | 350      | 17             | 1                               |
| 20                       | 5497             | 7.1              | 230      | 16             | 1                               |
| 21                       | 5500             | 7.3              | 416      | 18             | 1                               |
| 22                       | 5508             | 7.6              | 498      | 18             | 1                               |
| 23                       | 5507             | 7.3              | 286      | 17             | 0                               |
| 24                       | 5508             | 7.3              | 287      | 16             | 1                               |
| 25                       | 5504             | 7.5              | 462      | 17             | 1                               |
| 26                       | 5502             | 6.2              | 300      | 17             | 1                               |
| 27                       | 5507             | 6.4              | 323      | 18             | 1                               |
| 28                       | 5498             | 7.1              | 420      | 16             | 1                               |
| 29                       | 5492             | 7.2              | 395      | 18             | 0                               |
| 30                       | 5506             | 8.4              | 377      | 16             | 1                               |
| Detection Percentage (%) |                  |                  |          |                | 90.000                          |
| Limit                    |                  |                  |          |                | 60%                             |
| <b>Test Result</b>       |                  |                  |          |                | <b>Complied</b>                 |

**Type 4 Radar Statistical Performance**

| <b>Trial #</b>           | <b>Test Freq. (MHz)</b> | <b>Pulse Width (us)</b> | <b>PRI (us)</b> | <b>Pulses / Burst</b> | <b>1=Detection<br/>0=No Detection</b> |
|--------------------------|-------------------------|-------------------------|-----------------|-----------------------|---------------------------------------|
| 1                        | 5504                    | 18.0                    | 242             | 15                    | 1                                     |
| 2                        | 5506                    | 19.9                    | 279             | 12                    | 1                                     |
| 3                        | 5508                    | 12.9                    | 487             | 14                    | 1                                     |
| 4                        | 5491                    | 15.0                    | 452             | 13                    | 0                                     |
| 5                        | 5509                    | 16.3                    | 230             | 12                    | 1                                     |
| 6                        | 5504                    | 19.8                    | 238             | 13                    | 1                                     |
| 7                        | 5503                    | 18.2                    | 420             | 16                    | 1                                     |
| 8                        | 5496                    | 16.3                    | 452             | 15                    | 1                                     |
| 9                        | 5506                    | 14.2                    | 495             | 12                    | 1                                     |
| 10                       | 5498                    | 17.8                    | 228             | 16                    | 1                                     |
| 11                       | 5501                    | 19.1                    | 211             | 16                    | 1                                     |
| 12                       | 5499                    | 18.4                    | 283             | 15                    | 1                                     |
| 13                       | 5495                    | 11.8                    | 411             | 12                    | 1                                     |
| 14                       | 5503                    | 14.2                    | 284             | 13                    | 1                                     |
| 15                       | 5494                    | 13.9                    | 202             | 12                    | 1                                     |
| 16                       | 5494                    | 17.8                    | 340             | 14                    | 1                                     |
| 17                       | 5500                    | 15.6                    | 290             | 16                    | 1                                     |
| 18                       | 5497                    | 14.6                    | 250             | 16                    | 1                                     |
| 19                       | 5509                    | 14.4                    | 484             | 15                    | 1                                     |
| 20                       | 5493                    | 18.9                    | 387             | 13                    | 1                                     |
| 21                       | 5490                    | 11.1                    | 348             | 15                    | 1                                     |
| 22                       | 5510                    | 13.8                    | 291             | 16                    | 1                                     |
| 23                       | 5504                    | 14.3                    | 295             | 12                    | 0                                     |
| 24                       | 5494                    | 12.5                    | 300             | 12                    | 1                                     |
| 25                       | 5503                    | 12.5                    | 322             | 14                    | 1                                     |
| 26                       | 5502                    | 12.5                    | 383             | 13                    | 1                                     |
| 27                       | 5494                    | 15.7                    | 322             | 16                    | 1                                     |
| 28                       | 5493                    | 19.8                    | 469             | 13                    | 1                                     |
| 29                       | 5494                    | 18.6                    | 406             | 15                    | 1                                     |
| 30                       | 5509                    | 15.9                    | 238             | 14                    | 1                                     |
| Detection Percentage (%) |                         |                         |                 |                       | 93.333                                |
| Limit                    |                         |                         |                 |                       | 60%                                   |
| Test Result              |                         |                         |                 |                       | Complied                              |

**Total Type 1~4 Radar Statistical Performance**

| <b>Radar Type #</b>         | <b>Detection Percentage (%)</b> |
|-----------------------------|---------------------------------|
| 1                           | 90.000                          |
| 2                           | 86.667                          |
| 3                           | 90.000                          |
| 4                           | 93.333                          |
| Aggregate (Radar Types 1-4) | 90.000                          |
| Limit                       | 80%                             |
| <b>Test Result</b>          | <b>Complied</b>                 |

**Type 5 Radar Statistical Performance**

| Center Freq. (MHz)       | Low Edge (MHz) | High Edge (MHz) | VSG Freq. (MHz) | Detection |
|--------------------------|----------------|-----------------|-----------------|-----------|
| Trial                    | Chirp          | Offset          |                 |           |
| 5500                     | 5490           | 5510            |                 |           |
| 1                        | 5              | 2               | 5500.0          | 1         |
| 2                        | 20             | 8               | 5500.0          | 0         |
| 3                        | 7              | 2.8             | 5500.0          | 1         |
| 4                        | 8              | 3.2             | 5500.0          | 1         |
| 5                        | 9              | 3.6             | 5500.0          | 1         |
| 6                        | 10             | 4               | 5500.0          | 1         |
| 7                        | 11             | 4.4             | 5500.0          | 1         |
| 8                        | 12             | 4.8             | 5500.0          | 1         |
| 9                        | 13             | 5.2             | 5500.0          | 1         |
| 10                       | 14             | 5.6             | 5500.0          | 1         |
| 11                       | 15             | 6               | 5496.0          | 1         |
| 12                       | 16             | 6.4             | 5496.4          | 1         |
| 13                       | 17             | 6.8             | 5496.8          | 1         |
| 14                       | 20             | 8               | 5498.0          | 1         |
| 15                       | 19             | 7.6             | 5497.6          | 1         |
| 16                       | 18             | 7.2             | 5497.2          | 1         |
| 17                       | 17             | 6.8             | 5496.8          | 1         |
| 18                       | 16             | 6.4             | 5496.4          | 1         |
| 19                       | 15             | 6               | 5496.0          | 1         |
| 20                       | 14             | 5.6             | 5495.6          | 1         |
| 21                       | 13             | 5.2             | 5504.8          | 1         |
| 22                       | 12             | 4.8             | 5505.2          | 1         |
| 23                       | 11             | 4.4             | 5505.6          | 1         |
| 24                       | 10             | 4               | 5506.0          | 1         |
| 25                       | 9              | 3.6             | 5506.4          | 1         |
| 26                       | 8              | 3.2             | 5506.8          | 1         |
| 27                       | 18             | 7.2             | 5502.8          | 1         |
| 28                       | 19             | 7.6             | 5502.4          | 1         |
| 29                       | 20             | 8               | 5502.0          | 1         |
| 30                       | 5              | 2               | 5508.0          | 1         |
| Total                    |                |                 |                 | 29        |
| Detection Percentage (%) |                |                 |                 | 97%       |
| Limit                    |                |                 |                 | 80%       |
| Test Result              |                |                 |                 | Complied  |



| <b>Trial Number</b>                           |                      |                         | 1                        |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 8                        |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5500                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 1                    | 62.1                    | 5                        | -                                | -                                | 1091                                          |
| 2                                             | 2                    | 56                      | 5                        | 1729                             | -                                | 133                                           |
| 3                                             | 2                    | 91.3                    | 5                        | 1230                             | -                                | 1057                                          |
| 4                                             | 3                    | 50.7                    | 5                        | 1762                             | 1616                             | 1442                                          |
| 5                                             | 2                    | 92.6                    | 5                        | 1723                             | -                                | 544                                           |
| 6                                             | 2                    | 87.3                    | 5                        | 1302                             | -                                | 1089                                          |
| 7                                             | 2                    | 59.5                    | 5                        | 1291                             | -                                | 1374                                          |
| 8                                             | 2                    | 52.2                    | 5                        | 1653                             | -                                | 1237                                          |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                           |                      |                         | 2                        |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 9                        |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5500                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 3                    | 90                      | 20                       | 1007                             | 1326                             | 30                                            |
| 2                                             | 2                    | 73.7                    | 20                       | 1785                             | -                                | 979                                           |
| 3                                             | 1                    | 78.1                    | 20                       | -                                | -                                | 683                                           |
| 4                                             | 2                    | 92.4                    | 20                       | 1281                             | -                                | 950                                           |
| 5                                             | 1                    | 61.2                    | 20                       | -                                | -                                | 612                                           |
| 6                                             | 3                    | 67.2                    | 20                       | 1525                             | 1870                             | 17                                            |
| 7                                             | 1                    | 78.5                    | 20                       | -                                | -                                | 429                                           |
| 8                                             | 2                    | 60.3                    | 20                       | 1931                             | -                                | 936                                           |
| 9                                             | 3                    | 92.9                    | 20                       | 1403                             | 1476                             | 548                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 0                                             |



| Trial Number                                  |               |                  | 3                 |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 10                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5500              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 3             | 63.4             | 7                 | 1574                      | 1607                      | 801                                    |
| 2                                             | 1             | 98               | 7                 | -                         | -                         | 966                                    |
| 3                                             | 1             | 58.7             | 7                 | -                         | -                         | 185                                    |
| 4                                             | 1             | 88               | 7                 | -                         | -                         | 1012                                   |
| 5                                             | 3             | 79.5             | 7                 | 1562                      | 1370                      | 943                                    |
| 6                                             | 3             | 57.1             | 7                 | 1900                      | 1188                      | 686                                    |
| 7                                             | 2             | 64.4             | 7                 | 1090                      | -                         | 599                                    |
| 8                                             | 1             | 78.7             | 7                 | -                         | -                         | 1089                                   |
| 9                                             | 1             | 69.3             | 7                 | -                         | -                         | 188                                    |
| 10                                            | 3             | 55.3             | 7                 | 1375                      | 1691                      | 933                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |

| Trial Number                                  |               |                  | 4                 |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 11                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5500              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 2             | 74.3             | 8                 | 1642                      | -                         | 24                                     |
| 2                                             | 1             | 83.1             | 8                 | -                         | -                         | 985                                    |
| 3                                             | 2             | 59.5             | 8                 | 1680                      | -                         | 988                                    |
| 4                                             | 2             | 59.8             | 8                 | 1786                      | -                         | 800                                    |
| 5                                             | 2             | 77.6             | 8                 | 1617                      | -                         | 339                                    |
| 6                                             | 2             | 79.9             | 8                 | 1553                      | -                         | 1040                                   |
| 7                                             | 1             | 56               | 8                 | -                         | -                         | 544                                    |
| 8                                             | 3             | 71.4             | 8                 | 1406                      | 1927                      | 452                                    |
| 9                                             | 1             | 97.4             | 8                 | -                         | -                         | 204                                    |
| 10                                            | 2             | 98.3             | 8                 | 1037                      | -                         | 926                                    |
| 11                                            | 1             | 63.6             | 8                 | -                         | -                         | 1052                                   |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |





| <b>Trial Number</b>                           |                      |                         | 5                        |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 12                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5500                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 1                    | 50                      | 9                        | -                                | -                                | 557                                           |
| 2                                             | 2                    | 62.5                    | 9                        | 1731                             | -                                | 567                                           |
| 3                                             | 2                    | 55.4                    | 9                        | 1070                             | -                                | 460                                           |
| 4                                             | 1                    | 65.7                    | 9                        | -                                | -                                | 4                                             |
| 5                                             | 2                    | 58                      | 9                        | 1512                             | -                                | 64                                            |
| 6                                             | 2                    | 60.9                    | 9                        | 1230                             | -                                | 650                                           |
| 7                                             | 3                    | 89.6                    | 9                        | 1598                             | 1738                             | 235                                           |
| 8                                             | 3                    | 84.4                    | 9                        | 1271                             | 1617                             | 873                                           |
| 9                                             | 3                    | 72.3                    | 9                        | 1498                             | 1321                             | 901                                           |
| 10                                            | 1                    | 58.9                    | 9                        | -                                | -                                | 663                                           |
| 11                                            | 2                    | 74.8                    | 9                        | 1584                             | -                                | 919                                           |
| 12                                            | 1                    | 71.8                    | 9                        | -                                | -                                | 375                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                           |                      |                         | 6                        |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 13                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5500                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 2                    | 88.1                    | 10                       | 1257                             | -                                | 846                                           |
| 2                                             | 1                    | 58.7                    | 10                       | -                                | -                                | 725                                           |
| 3                                             | 2                    | 97.1                    | 10                       | 1037                             | -                                | 30                                            |
| 4                                             | 3                    | 83.1                    | 10                       | 1029                             | 1106                             | 490                                           |
| 5                                             | 1                    | 62.1                    | 10                       | -                                | -                                | 262                                           |
| 6                                             | 2                    | 71.4                    | 10                       | 1058                             | -                                | 283                                           |
| 7                                             | 2                    | 86.3                    | 10                       | 1867                             | -                                | 49                                            |
| 8                                             | 3                    | 77.3                    | 10                       | 1418                             | 1876                             | 634                                           |
| 9                                             | 1                    | 78.9                    | 10                       | -                                | -                                | 304                                           |
| 10                                            | 3                    | 79.2                    | 10                       | 1055                             | 1572                             | 564                                           |
| 11                                            | 3                    | 52                      | 10                       | 1582                             | 1836                             | 852                                           |
| 12                                            | 3                    | 56.5                    | 10                       | 1195                             | 1542                             | 525                                           |
| 13                                            | 3                    | 100                     | 10                       | 1638                             | 1729                             | 750                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |



| Trial Number                                  |               |                  | 7                 |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 14                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5500              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 2             | 92.7             | 11                | 1208                      | -                         | 231                                    |
| 2                                             | 2             | 81.3             | 11                | 1144                      | -                         | 804                                    |
| 3                                             | 2             | 60.4             | 11                | 1555                      | -                         | 34                                     |
| 4                                             | 2             | 62.1             | 11                | 1320                      | -                         | 427                                    |
| 5                                             | 1             | 50               | 11                | -                         | -                         | 577                                    |
| 6                                             | 3             | 65.9             | 11                | 1020                      | 1365                      | 3                                      |
| 7                                             | 2             | 73.8             | 11                | 1308                      | -                         | 51                                     |
| 8                                             | 2             | 74.3             | 11                | 1143                      | -                         | 360                                    |
| 9                                             | 1             | 62.9             | 11                | -                         | -                         | 394                                    |
| 10                                            | 2             | 74.8             | 11                | 1404                      | -                         | 317                                    |
| 11                                            | 2             | 69.7             | 11                | 1309                      | -                         | 532                                    |
| 12                                            | 2             | 69.8             | 11                | 1688                      | -                         | 339                                    |
| 13                                            | 2             | 77.4             | 11                | 1857                      | -                         | 381                                    |
| 14                                            | 1             | 55.1             | 11                | -                         | -                         | 426                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |

| Trial Number                                  |               |                  | 8                 |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 15                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5500              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 1             | 91.7             | 12                | -                         | -                         | 776                                    |
| 2                                             | 2             | 90               | 12                | 1196                      | -                         | 187                                    |
| 3                                             | 3             | 92.3             | 12                | 1486                      | 1853                      | 448                                    |
| 4                                             | 2             | 66.8             | 12                | 1545                      | -                         | 702                                    |
| 5                                             | 1             | 64               | 12                | -                         | -                         | 403                                    |
| 6                                             | 3             | 95.4             | 12                | 1123                      | 1473                      | 230                                    |
| 7                                             | 3             | 66.8             | 12                | 1867                      | 1401                      | 604                                    |
| 8                                             | 3             | 67.7             | 12                | 1472                      | 1397                      | 38                                     |
| 9                                             | 1             | 68.2             | 12                | -                         | -                         | 735                                    |
| 10                                            | 2             | 82.2             | 12                | 1297                      | -                         | 610                                    |
| 11                                            | 1             | 92.1             | 12                | -                         | -                         | 618                                    |
| 12                                            | 2             | 57               | 12                | 1764                      | -                         | 705                                    |
| 13                                            | 2             | 58.5             | 12                | 1310                      | -                         | 22                                     |
| 14                                            | 3             | 85.5             | 12                | 1630                      | 1447                      | 641                                    |
| 15                                            | 2             | 82.2             | 12                | 1371                      | -                         | 109                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |



| <b>Trial Number</b>                                  |                      |                         | 9                        |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 16                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5500                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 2                    | 74.4                    | 13                       | 1707                             | -                                | 442                                           |
| 2                                                    | 2                    | 63.6                    | 13                       | 1725                             | -                                | 280                                           |
| 3                                                    | 2                    | 71.3                    | 13                       | 1704                             | -                                | 459                                           |
| 4                                                    | 3                    | 77.6                    | 13                       | 1063                             | 1405                             | 197                                           |
| 5                                                    | 3                    | 65.2                    | 13                       | 1731                             | 1294                             | 101                                           |
| 6                                                    | 3                    | 55.1                    | 13                       | 1109                             | 1549                             | 17                                            |
| 7                                                    | 2                    | 96.8                    | 13                       | 1034                             | -                                | 131                                           |
| 8                                                    | 3                    | 80.8                    | 13                       | 1533                             | 1051                             | 365                                           |
| 9                                                    | 1                    | 60.4                    | 13                       | -                                | -                                | 222                                           |
| 10                                                   | 2                    | 61.8                    | 13                       | 1312                             | -                                | 371                                           |
| 11                                                   | 2                    | 71.3                    | 13                       | 1657                             | -                                | 33                                            |
| 12                                                   | 2                    | 98.1                    | 13                       | 1024                             | -                                | 291                                           |
| 13                                                   | 1                    | 57.9                    | 13                       | -                                | -                                | 188                                           |
| 14                                                   | 1                    | 91.8                    | 13                       | -                                | -                                | 163                                           |
| 15                                                   | 2                    | 56.7                    | 13                       | 1259                             | -                                | 426                                           |
| 16                                                   | 2                    | 89.7                    | 13                       | 1690                             | -                                | 606                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                                  |                      |                         | 10                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 17                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5500                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 2                    | 74.4                    | 14                       | 1107                             | -                                | 462                                           |
| 2                                                    | 1                    | 87.6                    | 14                       | -                                | -                                | 653                                           |
| 3                                                    | 2                    | 61.7                    | 14                       | 1741                             | -                                | 457                                           |
| 4                                                    | 2                    | 57.5                    | 14                       | 1566                             | -                                | 388                                           |
| 5                                                    | 2                    | 66.1                    | 14                       | 1855                             | -                                | 63                                            |
| 6                                                    | 3                    | 70.1                    | 14                       | 1044                             | 1012                             | 136                                           |
| 7                                                    | 1                    | 66.4                    | 14                       | -                                | -                                | 343                                           |
| 8                                                    | 1                    | 59.2                    | 14                       | -                                | -                                | 349                                           |
| 9                                                    | 2                    | 88.3                    | 14                       | 1240                             | -                                | 362                                           |
| 10                                                   | 1                    | 64.7                    | 14                       | -                                | -                                | 221                                           |
| 11                                                   | 2                    | 73                      | 14                       | 1703                             | -                                | 144                                           |
| 12                                                   | 2                    | 81.7                    | 14                       | 1450                             | -                                | 671                                           |
| 13                                                   | 3                    | 70.1                    | 14                       | 1741                             | 1278                             | 320                                           |
| 14                                                   | 1                    | 63.6                    | 14                       | -                                | -                                | 196                                           |
| 15                                                   | 1                    | 58.7                    | 14                       | -                                | -                                | 413                                           |
| 16                                                   | 2                    | 65.9                    | 14                       | 1478                             | -                                | 170                                           |
| 17                                                   | 1                    | 72.7                    | 14                       | -                                | -                                | 564                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                                  |                      |                         | 11                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 18                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5496                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 2                    | 72.1                    | 15                       | 1193                             | -                                | 130                                           |
| 2                                                    | 3                    | 76.3                    | 15                       | 1484                             | 1390                             | 114                                           |
| 3                                                    | 1                    | 86.1                    | 15                       | -                                | -                                | 14                                            |
| 4                                                    | 1                    | 73.2                    | 15                       | -                                | -                                | 604                                           |
| 5                                                    | 1                    | 81.2                    | 15                       | -                                | -                                | 548                                           |
| 6                                                    | 2                    | 99.5                    | 15                       | 1398                             | -                                | 173                                           |
| 7                                                    | 1                    | 93.9                    | 15                       | -                                | -                                | 262                                           |
| 8                                                    | 2                    | 75.9                    | 15                       | 1921                             | -                                | 38                                            |
| 9                                                    | 3                    | 79.2                    | 15                       | 1100                             | 1429                             | 84                                            |
| 10                                                   | 3                    | 77                      | 15                       | 1166                             | 1799                             | 610                                           |
| 11                                                   | 1                    | 91.8                    | 15                       | -                                | -                                | 339                                           |
| 12                                                   | 3                    | 56.8                    | 15                       | 1330                             | 1556                             | 580                                           |
| 13                                                   | 2                    | 83.1                    | 15                       | 1556                             | -                                | 295                                           |
| 14                                                   | 2                    | 63                      | 15                       | 1552                             | -                                | 156                                           |
| 15                                                   | 1                    | 65.7                    | 15                       | -                                | -                                | 439                                           |
| 16                                                   | 1                    | 64.5                    | 15                       | -                                | -                                | 188                                           |
| 17                                                   | 1                    | 88.5                    | 15                       | -                                | -                                | 419                                           |
| 18                                                   | 1                    | 60.6                    | 15                       | -                                | -                                | 205                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                                  |                      |                         | 12                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 19                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5496                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 2                    | 90.5                    | 16                       | 1299                             | -                                | 381                                           |
| 2                                                    | 2                    | 88.4                    | 16                       | 1418                             | -                                | 327                                           |
| 3                                                    | 2                    | 53.7                    | 16                       | 1055                             | -                                | 536                                           |
| 4                                                    | 1                    | 80.5                    | 16                       | -                                | -                                | 285                                           |
| 5                                                    | 1                    | 50.4                    | 16                       | -                                | -                                | 398                                           |
| 6                                                    | 2                    | 61.2                    | 16                       | 1749                             | -                                | 439                                           |
| 7                                                    | 2                    | 78.8                    | 16                       | 1065                             | -                                | 129                                           |
| 8                                                    | 3                    | 75                      | 16                       | 1748                             | 1820                             | 325                                           |
| 9                                                    | 2                    | 96.7                    | 16                       | 1254                             | -                                | 440                                           |
| 10                                                   | 3                    | 76.3                    | 16                       | 1848                             | 1106                             | 397                                           |
| 11                                                   | 1                    | 73.3                    | 16                       | -                                | -                                | 232                                           |
| 12                                                   | 2                    | 92.4                    | 16                       | 1317                             | -                                | 91                                            |
| 13                                                   | 2                    | 92.4                    | 16                       | 1854                             | -                                | 256                                           |
| 14                                                   | 3                    | 64.4                    | 16                       | 1240                             | 1634                             | 582                                           |
| 15                                                   | 2                    | 67.3                    | 16                       | 1473                             | -                                | 117                                           |
| 16                                                   | 2                    | 84.1                    | 16                       | 1795                             | -                                | 202                                           |
| 17                                                   | 1                    | 80.9                    | 16                       | -                                | -                                | 135                                           |
| 18                                                   | 1                    | 74.6                    | 16                       | -                                | -                                | 396                                           |
| 19                                                   | 2                    | 97.6                    | 16                       | 1805                             | -                                | 615                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                           |                      |                         | 13                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 20                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5497                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 2                    | 66.1                    | 17                       | 1417                             | -                                | 388                                           |
| 2                                             | 2                    | 86.7                    | 17                       | 1693                             | -                                | 348                                           |
| 3                                             | 2                    | 70.5                    | 17                       | 1263                             | -                                | 215                                           |
| 4                                             | 2                    | 78                      | 17                       | 1446                             | -                                | 28                                            |
| 5                                             | 2                    | 66                      | 17                       | 1185                             | -                                | 585                                           |
| 6                                             | 2                    | 80.6                    | 17                       | 1855                             | -                                | 65                                            |
| 7                                             | 1                    | 95.5                    | 17                       | -                                | -                                | 92                                            |
| 8                                             | 1                    | 98.8                    | 17                       | -                                | -                                | 68                                            |
| 9                                             | 3                    | 64.3                    | 17                       | 1641                             | 1108                             | 517                                           |
| 10                                            | 1                    | 75.1                    | 17                       | -                                | -                                | 121                                           |
| 11                                            | 2                    | 72.6                    | 17                       | 1499                             | -                                | 448                                           |
| 12                                            | 1                    | 60.3                    | 17                       | -                                | -                                | 567                                           |
| 13                                            | 2                    | 54.9                    | 17                       | 1056                             | -                                | 245                                           |
| 14                                            | 2                    | 98.8                    | 17                       | 1023                             | -                                | 584                                           |
| 15                                            | 2                    | 60.9                    | 17                       | 1243                             | -                                | 579                                           |
| 16                                            | 2                    | 62.7                    | 17                       | 1226                             | -                                | 464                                           |
| 17                                            | 1                    | 80.1                    | 17                       | -                                | -                                | 89                                            |
| 18                                            | 2                    | 70.9                    | 17                       | 1711                             | -                                | 153                                           |
| 19                                            | 1                    | 90.7                    | 17                       | -                                | -                                | 282                                           |
| 20                                            | 1                    | 98.9                    | 17                       | -                                | -                                | 71                                            |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                           |                      |                         | 14                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 8                        |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5498                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 2                    | 67.5                    | 20                       | 1542                             | -                                | 947                                           |
| 2                                             | 3                    | 83.6                    | 20                       | 1272                             | 1696                             | 124                                           |
| 3                                             | 2                    | 93.2                    | 20                       | 1877                             | -                                | 701                                           |
| 4                                             | 1                    | 55.6                    | 20                       | -                                | -                                | 1123                                          |
| 5                                             | 3                    | 84.2                    | 20                       | 1733                             | 1619                             | 756                                           |
| 6                                             | 3                    | 69.1                    | 20                       | 1612                             | 1071                             | 1                                             |
| 7                                             | 2                    | 66.9                    | 20                       | 1905                             | -                                | 7                                             |
| 8                                             | 3                    | 86.8                    | 20                       | 1697                             | 1621                             | 1082                                          |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                           |                      |                         | 15                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 9                        |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5498                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 2                    | 62.2                    | 19                       | 1571                             | -                                | 949                                           |
| 2                                             | 2                    | 85                      | 19                       | 1669                             | -                                | 189                                           |
| 3                                             | 2                    | 64.5                    | 19                       | 1505                             | -                                | 176                                           |
| 4                                             | 2                    | 50.4                    | 19                       | 1325                             | -                                | 538                                           |
| 5                                             | 2                    | 66.1                    | 19                       | 1483                             | -                                | 908                                           |
| 6                                             | 2                    | 71.2                    | 19                       | 1110                             | -                                | 1017                                          |
| 7                                             | 3                    | 53.7                    | 19                       | 1445                             | 1677                             | 492                                           |
| 8                                             | 3                    | 62.5                    | 19                       | 1596                             | 1341                             | 349                                           |
| 9                                             | 3                    | 62                      | 19                       | 1929                             | 1221                             | 1105                                          |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                           |                      |                         | 16                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 10                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5497                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 2                    | 80.5                    | 18                       | 1910                             | -                                | 284                                           |
| 2                                             | 2                    | 64.2                    | 18                       | 1661                             | -                                | 751                                           |
| 3                                             | 2                    | 90.1                    | 18                       | 1041                             | -                                | 491                                           |
| 4                                             | 2                    | 69.8                    | 18                       | 1495                             | -                                | 107                                           |
| 5                                             | 1                    | 73.1                    | 18                       | -                                | -                                | 490                                           |
| 6                                             | 3                    | 77.2                    | 18                       | 1418                             | 1145                             | 1155                                          |
| 7                                             | 3                    | 52.6                    | 18                       | 1732                             | 1787                             | 772                                           |
| 8                                             | 2                    | 71.4                    | 18                       | 1562                             | -                                | 121                                           |
| 9                                             | 2                    | 89.8                    | 18                       | 1491                             | -                                | 89                                            |
| 10                                            | 2                    | 76.4                    | 18                       | 1355                             | -                                | 615                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |





| Trial Number                                  |               |                  | 17                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 11                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5497              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 2             | 51.2             | 17                | 1236                      | -                         | 740                                    |
| 2                                             | 1             | 71.7             | 17                | -                         | -                         | 941                                    |
| 3                                             | 2             | 74.7             | 17                | 1164                      | -                         | 370                                    |
| 4                                             | 2             | 50.9             | 17                | 1919                      | -                         | 371                                    |
| 5                                             | 2             | 65.2             | 17                | 1206                      | -                         | 1033                                   |
| 6                                             | 2             | 98               | 17                | 1182                      | -                         | 346                                    |
| 7                                             | 2             | 58.7             | 17                | 1612                      | -                         | 639                                    |
| 8                                             | 1             | 63.8             | 17                | -                         | -                         | 1056                                   |
| 9                                             | 3             | 86.3             | 17                | 1545                      | 1065                      | 205                                    |
| 10                                            | 1             | 94.4             | 17                | -                         | -                         | 753                                    |
| 11                                            | 3             | 88.5             | 17                | 1699                      | 1319                      | 58                                     |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |

| Trial Number                                  |               |                  | 18                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 12                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5496              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 2             | 88.7             | 16                | 1405                      | -                         | 448                                    |
| 2                                             | 3             | 90.2             | 16                | 1544                      | 1235                      | 621                                    |
| 3                                             | 1             | 96.5             | 16                | -                         | -                         | 512                                    |
| 4                                             | 2             | 80.5             | 16                | 1090                      | -                         | 321                                    |
| 5                                             | 2             | 63.7             | 16                | 1268                      | -                         | 798                                    |
| 6                                             | 1             | 53.4             | 16                | -                         | -                         | 809                                    |
| 7                                             | 2             | 52.3             | 16                | 1043                      | -                         | 301                                    |
| 8                                             | 3             | 54.7             | 16                | 1701                      | 1104                      | 796                                    |
| 9                                             | 3             | 75.6             | 16                | 1923                      | 1729                      | 669                                    |
| 10                                            | 2             | 59.2             | 16                | 1244                      | -                         | 369                                    |
| 11                                            | 1             | 56.3             | 16                | -                         | -                         | 51                                     |
| 12                                            | 2             | 87.8             | 16                | 1608                      | -                         | 733                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |



| <b>Trial Number</b>                           |                      |                         | 19                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 13                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5496                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 2                    | 68.2                    | 15                       | 1104                             | -                                | 229                                           |
| 2                                             | 2                    | 58.4                    | 15                       | 1627                             | -                                | 488                                           |
| 3                                             | 3                    | 74.7                    | 15                       | 1861                             | 1015                             | 137                                           |
| 4                                             | 2                    | 58.2                    | 15                       | 1593                             | -                                | 520                                           |
| 5                                             | 1                    | 51.6                    | 15                       | -                                | -                                | 799                                           |
| 6                                             | 2                    | 94.7                    | 15                       | 1469                             | -                                | 43                                            |
| 7                                             | 2                    | 70.7                    | 15                       | 1091                             | -                                | 126                                           |
| 8                                             | 2                    | 82.9                    | 15                       | 1472                             | -                                | 607                                           |
| 9                                             | 3                    | 62.7                    | 15                       | 1168                             | 1453                             | 527                                           |
| 10                                            | 2                    | 63.1                    | 15                       | 1529                             | -                                | 143                                           |
| 11                                            | 1                    | 96.1                    | 15                       | -                                | -                                | 176                                           |
| 12                                            | 2                    | 57                      | 15                       | 1457                             | -                                | 882                                           |
| 13                                            | 3                    | 95.6                    | 15                       | 1707                             | 1501                             | 214                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                           |                      |                         | 20                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 14                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5496                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 1                    | 95.7                    | 14                       | -                                | -                                | 117                                           |
| 2                                             | 1                    | 93.1                    | 14                       | -                                | -                                | 720                                           |
| 3                                             | 1                    | 55.8                    | 14                       | -                                | -                                | 297                                           |
| 4                                             | 1                    | 76.7                    | 14                       | -                                | -                                | 284                                           |
| 5                                             | 2                    | 68                      | 14                       | 1686                             | -                                | 472                                           |
| 6                                             | 3                    | 94.1                    | 14                       | 1796                             | 1393                             | 264                                           |
| 7                                             | 2                    | 53.9                    | 14                       | 1293                             | -                                | 525                                           |
| 8                                             | 1                    | 99.3                    | 14                       | -                                | -                                | 155                                           |
| 9                                             | 2                    | 73.3                    | 14                       | 1458                             | -                                | 65                                            |
| 10                                            | 2                    | 93.3                    | 14                       | 1196                             | -                                | 451                                           |
| 11                                            | 3                    | 55.8                    | 14                       | 1895                             | 1034                             | 243                                           |
| 12                                            | 1                    | 66.4                    | 14                       | -                                | -                                | 228                                           |
| 13                                            | 2                    | 65.6                    | 14                       | 1732                             | -                                | 746                                           |
| 14                                            | 2                    | 76.5                    | 14                       | 1187                             | -                                | 522                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |



| Trial Number                                  |               |                  | 21                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 15                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5505              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 1             | 85.1             | 13                | -                         | -                         | 565                                    |
| 2                                             | 2             | 72.5             | 13                | 1648                      | -                         | 211                                    |
| 3                                             | 1             | 67.5             | 13                | -                         | -                         | 348                                    |
| 4                                             | 2             | 56.1             | 13                | 1360                      | -                         | 156                                    |
| 5                                             | 1             | 71.1             | 13                | -                         | -                         | 718                                    |
| 6                                             | 2             | 93.1             | 13                | 1391                      | -                         | 400                                    |
| 7                                             | 1             | 56.5             | 13                | -                         | -                         | 482                                    |
| 8                                             | 1             | 63.8             | 13                | -                         | -                         | 703                                    |
| 9                                             | 2             | 67.4             | 13                | 1727                      | -                         | 780                                    |
| 10                                            | 1             | 52.3             | 13                | -                         | -                         | 102                                    |
| 11                                            | 3             | 62.4             | 13                | 1228                      | 1715                      | 304                                    |
| 12                                            | 2             | 53.3             | 13                | 1630                      | -                         | 57                                     |
| 13                                            | 2             | 83.1             | 13                | 1205                      | -                         | 768                                    |
| 14                                            | 2             | 93.7             | 13                | 1085                      | -                         | 461                                    |
| 15                                            | 2             | 90.7             | 13                | 1297                      | -                         | 746                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |

| Trial Number                                  |               |                  | 22                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 16                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5505              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 2             | 98.8             | 12                | 1439                      | -                         | 95                                     |
| 2                                             | 1             | 54.5             | 12                | -                         | -                         | 676                                    |
| 3                                             | 2             | 80.5             | 12                | 1360                      | -                         | 8                                      |
| 4                                             | 2             | 55.9             | 12                | 1906                      | -                         | 373                                    |
| 5                                             | 2             | 72.1             | 12                | 1623                      | -                         | 254                                    |
| 6                                             | 2             | 84.4             | 12                | 1604                      | -                         | 480                                    |
| 7                                             | 1             | 78.5             | 12                | -                         | -                         | 663                                    |
| 8                                             | 1             | 88               | 12                | -                         | -                         | 314                                    |
| 9                                             | 2             | 74.7             | 12                | 1157                      | -                         | 596                                    |
| 10                                            | 2             | 97.1             | 12                | 1673                      | -                         | 264                                    |
| 11                                            | 1             | 81.6             | 12                | -                         | -                         | 740                                    |
| 12                                            | 1             | 83.6             | 12                | -                         | -                         | 163                                    |
| 13                                            | 3             | 87.6             | 12                | 1757                      | 1322                      | 628                                    |
| 14                                            | 2             | 58.5             | 12                | 1372                      | -                         | 132                                    |
| 15                                            | 3             | 91.8             | 12                | 1767                      | 1183                      | 106                                    |
| 16                                            | 2             | 58.8             | 12                | 1432                      | -                         | 659                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |



| Trial Number                                  |               |                  | 23                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 17                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5506              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 1             | 96               | 11                | -                         | -                         | 284                                    |
| 2                                             | 2             | 92.5             | 11                | 1241                      | -                         | 488                                    |
| 3                                             | 2             | 89.5             | 11                | 1347                      | -                         | 76                                     |
| 4                                             | 2             | 74.8             | 11                | 1607                      | -                         | 688                                    |
| 5                                             | 2             | 60.6             | 11                | 1523                      | -                         | 28                                     |
| 6                                             | 2             | 71.5             | 11                | 1659                      | -                         | 383                                    |
| 7                                             | 2             | 71.1             | 11                | 1454                      | -                         | 182                                    |
| 8                                             | 1             | 98.7             | 11                | -                         | -                         | 20                                     |
| 9                                             | 2             | 85.1             | 11                | 1770                      | -                         | 576                                    |
| 10                                            | 2             | 89.2             | 11                | 1086                      | -                         | 410                                    |
| 11                                            | 2             | 60.7             | 11                | 1101                      | -                         | 458                                    |
| 12                                            | 2             | 75.2             | 11                | 1719                      | -                         | 348                                    |
| 13                                            | 2             | 75.7             | 11                | 1799                      | -                         | 481                                    |
| 14                                            | 3             | 56.7             | 11                | 1132                      | 1884                      | 587                                    |
| 15                                            | 2             | 65               | 11                | 1885                      | -                         | 480                                    |
| 16                                            | 2             | 64.6             | 11                | 1910                      | -                         | 195                                    |
| 17                                            | 3             | 69.9             | 11                | 1410                      | 1190                      | 396                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |



| <b>Trial Number</b>                                  |                      |                         | 24                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 18                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5506                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 3                    | 83.8                    | 10                       | 1290                             | 1021                             | 536                                           |
| 2                                                    | 2                    | 66.9                    | 10                       | 1112                             | -                                | 44                                            |
| 3                                                    | 3                    | 91                      | 10                       | 1220                             | 1504                             | 611                                           |
| 4                                                    | 2                    | 86.1                    | 10                       | 1678                             | -                                | 456                                           |
| 5                                                    | 3                    | 65.5                    | 10                       | 1928                             | 1222                             | 330                                           |
| 6                                                    | 1                    | 62.6                    | 10                       | -                                | -                                | 297                                           |
| 7                                                    | 3                    | 68.7                    | 10                       | 1505                             | 1200                             | 351                                           |
| 8                                                    | 3                    | 59.2                    | 10                       | 1452                             | 1114                             | 230                                           |
| 9                                                    | 1                    | 73.9                    | 10                       | -                                | -                                | 222                                           |
| 10                                                   | 1                    | 77.2                    | 10                       | -                                | -                                | 57                                            |
| 11                                                   | 2                    | 96.4                    | 10                       | 1357                             | -                                | 399                                           |
| 12                                                   | 2                    | 99.9                    | 10                       | 1173                             | -                                | 299                                           |
| 13                                                   | 2                    | 99.9                    | 10                       | 1520                             | -                                | 464                                           |
| 14                                                   | 1                    | 86.7                    | 10                       | -                                | -                                | 294                                           |
| 15                                                   | 1                    | 92.6                    | 10                       | -                                | -                                | 653                                           |
| 16                                                   | 1                    | 77.1                    | 10                       | -                                | -                                | 550                                           |
| 17                                                   | 2                    | 81.1                    | 10                       | 1664                             | -                                | 566                                           |
| 18                                                   | 3                    | 68.4                    | 10                       | 1536                             | 1309                             | 580                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                                  |                      |                         | 25                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 19                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5506                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 3                    | 68.2                    | 9                        | 1723                             | 1868                             | 471                                           |
| 2                                                    | 3                    | 83.7                    | 9                        | 1711                             | 1405                             | 368                                           |
| 3                                                    | 2                    | 69.7                    | 9                        | 1781                             | -                                | 425                                           |
| 4                                                    | 1                    | 59.7                    | 9                        | -                                | -                                | 440                                           |
| 5                                                    | 2                    | 96.7                    | 9                        | 1484                             | -                                | 123                                           |
| 6                                                    | 2                    | 95.8                    | 9                        | 1319                             | -                                | 261                                           |
| 7                                                    | 3                    | 71.3                    | 9                        | 1095                             | 1354                             | 332                                           |
| 8                                                    | 3                    | 53.2                    | 9                        | 1527                             | 1427                             | 427                                           |
| 9                                                    | 2                    | 69.5                    | 9                        | 1771                             | -                                | 397                                           |
| 10                                                   | 3                    | 63.9                    | 9                        | 1075                             | 1447                             | 67                                            |
| 11                                                   | 2                    | 93.4                    | 9                        | 1783                             | -                                | 174                                           |
| 12                                                   | 2                    | 77.3                    | 9                        | 1564                             | -                                | 17                                            |
| 13                                                   | 2                    | 73.1                    | 9                        | 1294                             | -                                | 216                                           |
| 14                                                   | 1                    | 77.4                    | 9                        | -                                | -                                | 292                                           |
| 15                                                   | 3                    | 57.2                    | 9                        | 1722                             | 1886                             | 619                                           |
| 16                                                   | 2                    | 68.7                    | 9                        | 1629                             | -                                | 233                                           |
| 17                                                   | 1                    | 60.8                    | 9                        | -                                | -                                | 226                                           |
| 18                                                   | 3                    | 69.7                    | 9                        | 1128                             | 1224                             | 599                                           |
| 19                                                   | 1                    | 62.2                    | 9                        | -                                | -                                | 433                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                           |                      |                         | 26                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 20                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5507                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 1                    | 80.5                    | 8                        | -                                | -                                | 90                                            |
| 2                                             | 3                    | 62.6                    | 8                        | 1406                             | 1343                             | 319                                           |
| 3                                             | 3                    | 85.6                    | 8                        | 1190                             | 1529                             | 384                                           |
| 4                                             | 2                    | 83.9                    | 8                        | 1208                             | -                                | 567                                           |
| 5                                             | 2                    | 92.4                    | 8                        | 1488                             | -                                | 234                                           |
| 6                                             | 2                    | 54                      | 8                        | 1529                             | -                                | 535                                           |
| 7                                             | 3                    | 81.3                    | 8                        | 1501                             | 1812                             | 325                                           |
| 8                                             | 1                    | 98.5                    | 8                        | -                                | -                                | 532                                           |
| 9                                             | 1                    | 85.8                    | 8                        | -                                | -                                | 272                                           |
| 10                                            | 2                    | 84.7                    | 8                        | 1593                             | -                                | 182                                           |
| 11                                            | 2                    | 83.3                    | 8                        | 1705                             | -                                | 134                                           |
| 12                                            | 2                    | 79.8                    | 8                        | 1567                             | -                                | 286                                           |
| 13                                            | 1                    | 77.9                    | 8                        | -                                | -                                | 368                                           |
| 14                                            | 3                    | 98.4                    | 8                        | 1510                             | 1569                             | 290                                           |
| 15                                            | 2                    | 79.9                    | 8                        | 1588                             | -                                | 231                                           |
| 16                                            | 3                    | 78                      | 8                        | 1140                             | 1353                             | 353                                           |
| 17                                            | 3                    | 55.2                    | 8                        | 1700                             | 1327                             | 53                                            |
| 18                                            | 3                    | 71.9                    | 8                        | 1081                             | 1224                             | 44                                            |
| 19                                            | 1                    | 62                      | 8                        | -                                | -                                | 298                                           |
| 20                                            | 3                    | 70.5                    | 8                        | 1888                             | 1442                             | 529                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                           |                      |                         | 27                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 8                        |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5503                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 2                    | 69.1                    | 18                       | 1076                             | -                                | 1436                                          |
| 2                                             | 2                    | 62.1                    | 18                       | 1688                             | -                                | 22                                            |
| 3                                             | 2                    | 94.8                    | 18                       | 1891                             | -                                | 897                                           |
| 4                                             | 1                    | 75.8                    | 18                       | -                                | -                                | 1186                                          |
| 5                                             | 2                    | 65.4                    | 18                       | 1713                             | -                                | 589                                           |
| 6                                             | 2                    | 97.7                    | 18                       | 1292                             | -                                | 614                                           |
| 7                                             | 3                    | 98.1                    | 18                       | 1670                             | 1711                             | 506                                           |
| 8                                             | 2                    | 85.4                    | 18                       | 1672                             | -                                | 776                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |



| Trial Number                                  |               |                  | 28                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 9                 |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5502              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 3             | 82               | 19                | 1233                      | 1713                      | 679                                    |
| 2                                             | 3             | 87.7             | 19                | 1554                      | 1123                      | 473                                    |
| 3                                             | 2             | 98.9             | 19                | 1518                      | -                         | 869                                    |
| 4                                             | 1             | 55               | 19                | -                         | -                         | 719                                    |
| 5                                             | 1             | 93.6             | 19                | -                         | -                         | 902                                    |
| 6                                             | 2             | 58.7             | 19                | 1641                      | -                         | 1243                                   |
| 7                                             | 2             | 88.7             | 19                | 1387                      | -                         | 410                                    |
| 8                                             | 1             | 60.3             | 19                | -                         | -                         | 1154                                   |
| 9                                             | 1             | 97.7             | 19                | -                         | -                         | 512                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |

| Trial Number                                  |               |                  | 29                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 10                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5502              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 1             | 69.6             | 20                | -                         | -                         | 1131                                   |
| 2                                             | 1             | 74.5             | 20                | -                         | -                         | 290                                    |
| 3                                             | 1             | 60.9             | 20                | -                         | -                         | 895                                    |
| 4                                             | 1             | 74.6             | 20                | -                         | -                         | 202                                    |
| 5                                             | 2             | 99.3             | 20                | 1501                      | -                         | 139                                    |
| 6                                             | 2             | 95.3             | 20                | 1065                      | -                         | 854                                    |
| 7                                             | 2             | 91.9             | 20                | 1722                      | -                         | 219                                    |
| 8                                             | 2             | 51               | 20                | 1285                      | -                         | 57                                     |
| 9                                             | 2             | 87.7             | 20                | 1747                      | -                         | 141                                    |
| 10                                            | 1             | 87.2             | 20                | -                         | -                         | 596                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |





| <b>Trial Number</b>                                  |                      |                         | 30                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 11                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5508                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 3                    | 59.9                    | 5                        | 1901                             | 1196                             | 935                                           |
| 2                                                    | 2                    | 77.1                    | 5                        | 1590                             | -                                | 1038                                          |
| 3                                                    | 2                    | 62.7                    | 5                        | 1227                             | -                                | 690                                           |
| 4                                                    | 1                    | 77.1                    | 5                        | -                                | -                                | 547                                           |
| 5                                                    | 3                    | 99.8                    | 5                        | 1798                             | 1790                             | 551                                           |
| 6                                                    | 2                    | 61.5                    | 5                        | 1135                             | -                                | 876                                           |
| 7                                                    | 2                    | 77.5                    | 5                        | 1583                             | -                                | 448                                           |
| 8                                                    | 2                    | 57.3                    | 5                        | 1890                             | -                                | 736                                           |
| 9                                                    | 2                    | 53.5                    | 5                        | 1757                             | -                                | 362                                           |
| 10                                                   | 1                    | 66.6                    | 5                        | -                                | -                                | 836                                           |
| 11                                                   | 3                    | 80.7                    | 5                        | 1811                             | 1289                             | 410                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |

**Type 6 Radar Statistical Performance**

| <b>Trial #</b>           | <b>Test Freq. (MHz)</b> | <b>Pulses / Hop</b> | <b>Pulse Width (us)</b> | <b>PRI (us)</b> | <b>1=Detection<br/>0=No Detection</b> |
|--------------------------|-------------------------|---------------------|-------------------------|-----------------|---------------------------------------|
| 1                        | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 2                        | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 3                        | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 4                        | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 5                        | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 6                        | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 7                        | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 8                        | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 9                        | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 10                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 11                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 12                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 13                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 14                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 15                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 16                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 17                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 18                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 19                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 20                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 21                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 22                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 23                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 24                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 25                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 26                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 27                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 28                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 29                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| 30                       | 5500                    | 9                   | 1                       | 333             | 1                                     |
| Detection Percentage (%) |                         |                     |                         |                 | 100.000                               |
| Limit                    |                         |                     |                         |                 | 70%                                   |
| Test Result              |                         |                     |                         |                 | Complied                              |

**Modulation Mode: 802.11ax (HEW40)****Type 1 Radar Statistical Performance**

| <b>Trial #</b>                  | <b>Test Freq. (MHz)</b> | <b>Pulse Repetition<br/>Frequency Number</b> | <b>Pulse Repetition<br/>Frequency<br/>(Pulse Per Second)</b> | <b>PRI (us)</b> | <b>1=Detection<br/>0=No Detection</b> |
|---------------------------------|-------------------------|----------------------------------------------|--------------------------------------------------------------|-----------------|---------------------------------------|
| 1                               | 5512                    | 1                                            | 1930.5                                                       | 518             | 1                                     |
| 2                               | 5525                    | 23                                           | 326.2                                                        | 3066            | 1                                     |
| 3                               | 5525                    | 19                                           | 1139.0                                                       | 878             | 1                                     |
| 4                               | 5497                    | 12                                           | 1355.0                                                       | 738             | 1                                     |
| 5                               | 5506                    | 4                                            | 1730.1                                                       | 578             | 1                                     |
| 6                               | 5500                    | 8                                            | 1519.8                                                       | 658             | 1                                     |
| 7                               | 5522                    | 15                                           | 1253.1                                                       | 798             | 1                                     |
| 8                               | 5513                    | 6                                            | 1618.1                                                       | 618             | 1                                     |
| 9                               | 5508                    | 14                                           | 1285.3                                                       | 778             | 1                                     |
| 10                              | 5530                    | 3                                            | 1792.1                                                       | 558             | 1                                     |
| 11                              | 5510                    | 13                                           | 1319.3                                                       | 758             | 1                                     |
| 12                              | 5525                    | 9                                            | 1474.9                                                       | 678             | 1                                     |
| 13                              | 5515                    | 7                                            | 1567.4                                                       | 638             | 1                                     |
| 14                              | 5498                    | 17                                           | 1193.3                                                       | 838             | 1                                     |
| 15                              | 5496                    | 10                                           | 1432.7                                                       | 698             | 1                                     |
| 16                              | 5523                    | -                                            | 1692.0                                                       | 591             | 1                                     |
| 17                              | 5528                    | -                                            | 328.1                                                        | 3048            | 1                                     |
| 18                              | 5518                    | -                                            | 373.4                                                        | 2678            | 1                                     |
| 19                              | 5493                    | -                                            | 574.4                                                        | 1741            | 1                                     |
| 20                              | 5519                    | -                                            | 1216.5                                                       | 822             | 1                                     |
| 21                              | 5505                    | -                                            | 801.3                                                        | 1248            | 0                                     |
| 22                              | 5530                    | -                                            | 488.5                                                        | 2047            | 1                                     |
| 23                              | 5526                    | -                                            | 956.0                                                        | 1046            | 1                                     |
| 24                              | 5505                    | -                                            | 517.6                                                        | 1932            | 1                                     |
| 25                              | 5490                    | -                                            | 1422.5                                                       | 703             | 1                                     |
| 26                              | 5492                    | -                                            | 542.0                                                        | 1845            | 1                                     |
| 27                              | 5524                    | -                                            | 741.3                                                        | 1349            | 1                                     |
| 28                              | 5530                    | -                                            | 881.8                                                        | 1134            | 1                                     |
| 29                              | 5496                    | -                                            | 427.4                                                        | 2340            | 1                                     |
| 30                              | 5498                    | -                                            | 628.9                                                        | 1590            | 1                                     |
| <b>Detection Percentage (%)</b> |                         |                                              |                                                              |                 | <b>96.667</b>                         |
| <b>Limit</b>                    |                         |                                              |                                                              |                 | <b>60%</b>                            |
| <b>Test Result</b>              |                         |                                              |                                                              |                 | <b>Complied</b>                       |

**Type 2 Radar Statistical Performance**

| Trial #                  | Test Freq. (MHz) | Pulse Width (us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|------------------|------------------|----------|----------------|-------------------------------|
| 1                        | 5521             | 2.6              | 221      | 23             | 1                             |
| 2                        | 5523             | 4.6              | 198      | 27             | 1                             |
| 3                        | 5491             | 1.1              | 184      | 29             | 1                             |
| 4                        | 5492             | 4.8              | 203      | 24             | 1                             |
| 5                        | 5513             | 2.4              | 162      | 25             | 0                             |
| 6                        | 5517             | 3.4              | 204      | 28             | 1                             |
| 7                        | 5514             | 2.3              | 170      | 27             | 1                             |
| 8                        | 5522             | 3.5              | 184      | 23             | 0                             |
| 9                        | 5528             | 4.9              | 150      | 27             | 1                             |
| 10                       | 5510             | 4.6              | 211      | 29             | 1                             |
| 11                       | 5529             | 2.9              | 158      | 23             | 1                             |
| 12                       | 5525             | 2.6              | 226      | 27             | 1                             |
| 13                       | 5521             | 1.6              | 204      | 26             | 0                             |
| 14                       | 5517             | 3.9              | 181      | 25             | 1                             |
| 15                       | 5515             | 4.6              | 202      | 24             | 1                             |
| 16                       | 5494             | 4.1              | 194      | 27             | 1                             |
| 17                       | 5509             | 2.3              | 193      | 28             | 1                             |
| 18                       | 5498             | 3.9              | 173      | 29             | 1                             |
| 19                       | 5492             | 4.3              | 188      | 23             | 1                             |
| 20                       | 5496             | 1.5              | 215      | 26             | 0                             |
| 21                       | 5500             | 4.9              | 227      | 27             | 1                             |
| 22                       | 5496             | 1.1              | 199      | 23             | 1                             |
| 23                       | 5519             | 4.5              | 155      | 29             | 1                             |
| 24                       | 5493             | 4.0              | 190      | 27             | 1                             |
| 25                       | 5516             | 2.4              | 151      | 23             | 1                             |
| 26                       | 5494             | 2.5              | 180      | 28             | 1                             |
| 27                       | 5526             | 2.5              | 228      | 23             | 0                             |
| 28                       | 5524             | 2.5              | 203      | 25             | 1                             |
| 29                       | 5502             | 1.5              | 188      | 25             | 1                             |
| 30                       | 5530             | 1.9              | 217      | 24             | 1                             |
| Detection Percentage (%) |                  |                  |          |                | 83.333                        |
| Limit                    |                  |                  |          |                | 60%                           |
| Test Result              |                  |                  |          |                | Complied                      |

**Type 3 Radar Statistical Performance**

| Trial #                  | Test Freq. (MHz) | Pulse Width (us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|------------------|------------------|----------|----------------|-------------------------------|
| 1                        | 5506             | 8.0              | 205      | 16             | 1                             |
| 2                        | 5511             | 6.7              | 382      | 18             | 1                             |
| 3                        | 5510             | 8.6              | 418      | 16             | 1                             |
| 4                        | 5519             | 9.4              | 351      | 17             | 1                             |
| 5                        | 5508             | 7.4              | 383      | 18             | 1                             |
| 6                        | 5495             | 9.8              | 232      | 16             | 1                             |
| 7                        | 5509             | 9.1              | 377      | 17             | 1                             |
| 8                        | 5519             | 9.6              | 457      | 16             | 1                             |
| 9                        | 5517             | 8.0              | 471      | 18             | 1                             |
| 10                       | 5527             | 9.0              | 304      | 18             | 1                             |
| 11                       | 5503             | 8.0              | 316      | 17             | 1                             |
| 12                       | 5500             | 9.8              | 325      | 16             | 1                             |
| 13                       | 5521             | 8.0              | 409      | 17             | 1                             |
| 14                       | 5506             | 9.9              | 200      | 17             | 1                             |
| 15                       | 5498             | 8.8              | 458      | 16             | 1                             |
| 16                       | 5505             | 8.0              | 232      | 18             | 1                             |
| 17                       | 5528             | 8.3              | 250      | 16             | 1                             |
| 18                       | 5518             | 8.7              | 270      | 16             | 1                             |
| 19                       | 5496             | 7.7              | 350      | 17             | 1                             |
| 20                       | 5519             | 7.1              | 230      | 16             | 1                             |
| 21                       | 5515             | 7.3              | 416      | 18             | 0                             |
| 22                       | 5504             | 7.6              | 498      | 18             | 1                             |
| 23                       | 5501             | 7.3              | 286      | 17             | 1                             |
| 24                       | 5522             | 7.3              | 287      | 16             | 1                             |
| 25                       | 5516             | 7.5              | 462      | 17             | 1                             |
| 26                       | 5493             | 6.2              | 300      | 17             | 1                             |
| 27                       | 5528             | 6.4              | 323      | 18             | 0                             |
| 28                       | 5508             | 7.1              | 420      | 16             | 1                             |
| 29                       | 5504             | 7.2              | 395      | 18             | 1                             |
| 30                       | 5491             | 8.4              | 377      | 16             | 1                             |
| Detection Percentage (%) |                  |                  |          |                | 93.333                        |
| Limit                    |                  |                  |          |                | 60%                           |
| Test Result              |                  |                  |          |                | Complied                      |

**Type 4 Radar Statistical Performance**

| <b>Trial #</b>           | <b>Test Freq. (MHz)</b> | <b>Pulse Width (us)</b> | <b>PRI (us)</b> | <b>Pulses / Burst</b> | <b>1=Detection<br/>0=No Detection</b> |
|--------------------------|-------------------------|-------------------------|-----------------|-----------------------|---------------------------------------|
| 1                        | 5511                    | 18.0                    | 242             | 15                    | 1                                     |
| 2                        | 5508                    | 19.9                    | 279             | 12                    | 1                                     |
| 3                        | 5524                    | 12.9                    | 487             | 14                    | 1                                     |
| 4                        | 5505                    | 15.0                    | 452             | 13                    | 1                                     |
| 5                        | 5521                    | 16.3                    | 230             | 12                    | 1                                     |
| 6                        | 5492                    | 19.8                    | 238             | 13                    | 0                                     |
| 7                        | 5512                    | 18.2                    | 420             | 16                    | 1                                     |
| 8                        | 5501                    | 16.3                    | 452             | 15                    | 1                                     |
| 9                        | 5495                    | 14.2                    | 495             | 12                    | 1                                     |
| 10                       | 5514                    | 17.8                    | 228             | 16                    | 1                                     |
| 11                       | 5522                    | 19.1                    | 211             | 16                    | 1                                     |
| 12                       | 5498                    | 18.4                    | 283             | 15                    | 1                                     |
| 13                       | 5517                    | 11.8                    | 411             | 12                    | 0                                     |
| 14                       | 5499                    | 14.2                    | 284             | 13                    | 1                                     |
| 15                       | 5530                    | 13.9                    | 202             | 12                    | 1                                     |
| 16                       | 5526                    | 17.8                    | 340             | 14                    | 1                                     |
| 17                       | 5513                    | 15.6                    | 290             | 16                    | 1                                     |
| 18                       | 5503                    | 14.6                    | 250             | 16                    | 1                                     |
| 19                       | 5490                    | 14.4                    | 484             | 15                    | 1                                     |
| 20                       | 5511                    | 18.9                    | 387             | 13                    | 1                                     |
| 21                       | 5499                    | 11.1                    | 348             | 15                    | 0                                     |
| 22                       | 5492                    | 13.8                    | 291             | 16                    | 1                                     |
| 23                       | 5496                    | 14.3                    | 295             | 12                    | 1                                     |
| 24                       | 5516                    | 12.5                    | 300             | 12                    | 1                                     |
| 25                       | 5519                    | 12.5                    | 322             | 14                    | 1                                     |
| 26                       | 5495                    | 12.5                    | 383             | 13                    | 1                                     |
| 27                       | 5527                    | 15.7                    | 322             | 16                    | 1                                     |
| 28                       | 5514                    | 19.8                    | 469             | 13                    | 1                                     |
| 29                       | 5529                    | 18.6                    | 406             | 15                    | 1                                     |
| 30                       | 5510                    | 15.9                    | 238             | 14                    | 1                                     |
| Detection Percentage (%) |                         |                         |                 |                       | 90.000                                |
| Limit                    |                         |                         |                 |                       | 60%                                   |
| Test Result              |                         |                         |                 |                       | Complied                              |

**Total Type 1~4 Radar Statistical Performance**

| <b>Radar Type #</b>         | <b>Detection Percentage (%)</b> |
|-----------------------------|---------------------------------|
| 1                           | 96.667                          |
| 2                           | 83.333                          |
| 3                           | 93.333                          |
| 4                           | 90.000                          |
| Aggregate (Radar Types 1-4) | 90.833                          |
| Limit                       | 80%                             |
| <b>Test Result</b>          | <b>Complied</b>                 |



**Type 5 Radar Statistical Performance**

| Center Freq. (MHz)       | Low Edge (MHz) | High Edge (MHz) | VSG Freq. (MHz) | Detection       |
|--------------------------|----------------|-----------------|-----------------|-----------------|
| Trial                    | Chirp          | Offset          |                 |                 |
| 1                        | 5              | 2               | 5510.0          | 1               |
| 2                        | 20             | 8               | 5510.0          | 1               |
| 3                        | 7              | 2.8             | 5510.0          | 1               |
| 4                        | 8              | 3.2             | 5510.0          | 1               |
| 5                        | 9              | 3.6             | 5510.0          | 1               |
| 6                        | 10             | 4               | 5510.0          | 1               |
| 7                        | 11             | 4.4             | 5510.0          | 1               |
| 8                        | 12             | 4.8             | 5510.0          | 1               |
| 9                        | 13             | 5.2             | 5510.0          | 1               |
| 10                       | 14             | 5.6             | 5510.0          | 1               |
| 11                       | 15             | 6               | 5496.0          | 1               |
| 12                       | 16             | 6.4             | 5496.4          | 1               |
| 13                       | 17             | 6.8             | 5496.8          | 1               |
| 14                       | 20             | 8               | 5498.0          | 1               |
| 15                       | 19             | 7.6             | 5497.6          | 1               |
| 16                       | 18             | 7.2             | 5497.2          | 1               |
| 17                       | 17             | 6.8             | 5496.8          | 1               |
| 18                       | 16             | 6.4             | 5496.4          | 1               |
| 19                       | 15             | 6               | 5496.0          | 1               |
| 20                       | 14             | 5.6             | 5495.6          | 1               |
| 21                       | 13             | 5.2             | 5524.8          | 1               |
| 22                       | 12             | 4.8             | 5525.2          | 1               |
| 23                       | 11             | 4.4             | 5525.6          | 1               |
| 24                       | 10             | 4               | 5526.0          | 1               |
| 25                       | 9              | 3.6             | 5526.4          | 1               |
| 26                       | 8              | 3.2             | 5526.8          | 1               |
| 27                       | 18             | 7.2             | 5522.8          | 1               |
| 28                       | 19             | 7.6             | 5522.4          | 1               |
| 29                       | 20             | 8               | 5522.0          | 0               |
| 30                       | 5              | 2               | 5528.0          | 1               |
| Total                    |                |                 |                 | 29              |
| Detection Percentage (%) |                |                 |                 | 97%             |
| Limit                    |                |                 |                 | 80%             |
| <b>Test Result</b>       |                |                 |                 | <b>Complied</b> |





| <b>Trial Number</b>                           |                      |                         | 1                        |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 8                        |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5510                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 1                    | 62.1                    | 5                        | -                                | -                                | 1091                                          |
| 2                                             | 2                    | 56                      | 5                        | 1729                             | -                                | 133                                           |
| 3                                             | 2                    | 91.3                    | 5                        | 1230                             | -                                | 1057                                          |
| 4                                             | 3                    | 50.7                    | 5                        | 1762                             | 1616                             | 1442                                          |
| 5                                             | 2                    | 92.6                    | 5                        | 1723                             | -                                | 544                                           |
| 6                                             | 2                    | 87.3                    | 5                        | 1302                             | -                                | 1089                                          |
| 7                                             | 2                    | 59.5                    | 5                        | 1291                             | -                                | 1374                                          |
| 8                                             | 2                    | 52.2                    | 5                        | 1653                             | -                                | 1237                                          |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                           |                      |                         | 2                        |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 9                        |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5510                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 3                    | 90                      | 20                       | 1007                             | 1326                             | 30                                            |
| 2                                             | 2                    | 73.7                    | 20                       | 1785                             | -                                | 979                                           |
| 3                                             | 1                    | 78.1                    | 20                       | -                                | -                                | 683                                           |
| 4                                             | 2                    | 92.4                    | 20                       | 1281                             | -                                | 950                                           |
| 5                                             | 1                    | 61.2                    | 20                       | -                                | -                                | 612                                           |
| 6                                             | 3                    | 67.2                    | 20                       | 1525                             | 1870                             | 17                                            |
| 7                                             | 1                    | 78.5                    | 20                       | -                                | -                                | 429                                           |
| 8                                             | 2                    | 60.3                    | 20                       | 1931                             | -                                | 936                                           |
| 9                                             | 3                    | 92.9                    | 20                       | 1403                             | 1476                             | 548                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                           |                      |                         | 3                        |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 10                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5510                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 3                    | 63.4                    | 7                        | 1574                             | 1607                             | 801                                           |
| 2                                             | 1                    | 98                      | 7                        | -                                | -                                | 966                                           |
| 3                                             | 1                    | 58.7                    | 7                        | -                                | -                                | 185                                           |
| 4                                             | 1                    | 88                      | 7                        | -                                | -                                | 1012                                          |
| 5                                             | 3                    | 79.5                    | 7                        | 1562                             | 1370                             | 943                                           |
| 6                                             | 3                    | 57.1                    | 7                        | 1900                             | 1188                             | 686                                           |
| 7                                             | 2                    | 64.4                    | 7                        | 1090                             | -                                | 599                                           |
| 8                                             | 1                    | 78.7                    | 7                        | -                                | -                                | 1089                                          |
| 9                                             | 1                    | 69.3                    | 7                        | -                                | -                                | 188                                           |
| 10                                            | 3                    | 55.3                    | 7                        | 1375                             | 1691                             | 933                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                           |                      |                         | 4                        |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 11                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5510                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 2                    | 74.3                    | 8                        | 1642                             | -                                | 24                                            |
| 2                                             | 1                    | 83.1                    | 8                        | -                                | -                                | 985                                           |
| 3                                             | 2                    | 59.5                    | 8                        | 1680                             | -                                | 988                                           |
| 4                                             | 2                    | 59.8                    | 8                        | 1786                             | -                                | 800                                           |
| 5                                             | 2                    | 77.6                    | 8                        | 1617                             | -                                | 339                                           |
| 6                                             | 2                    | 79.9                    | 8                        | 1553                             | -                                | 1040                                          |
| 7                                             | 1                    | 56                      | 8                        | -                                | -                                | 544                                           |
| 8                                             | 3                    | 71.4                    | 8                        | 1406                             | 1927                             | 452                                           |
| 9                                             | 1                    | 97.4                    | 8                        | -                                | -                                | 204                                           |
| 10                                            | 2                    | 98.3                    | 8                        | 1037                             | -                                | 926                                           |
| 11                                            | 1                    | 63.6                    | 8                        | -                                | -                                | 1052                                          |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                           |                      |                         | 5                        |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 12                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5510                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 1                    | 50                      | 9                        | -                                | -                                | 557                                           |
| 2                                             | 2                    | 62.5                    | 9                        | 1731                             | -                                | 567                                           |
| 3                                             | 2                    | 55.4                    | 9                        | 1070                             | -                                | 460                                           |
| 4                                             | 1                    | 65.7                    | 9                        | -                                | -                                | 4                                             |
| 5                                             | 2                    | 58                      | 9                        | 1512                             | -                                | 64                                            |
| 6                                             | 2                    | 60.9                    | 9                        | 1230                             | -                                | 650                                           |
| 7                                             | 3                    | 89.6                    | 9                        | 1598                             | 1738                             | 235                                           |
| 8                                             | 3                    | 84.4                    | 9                        | 1271                             | 1617                             | 873                                           |
| 9                                             | 3                    | 72.3                    | 9                        | 1498                             | 1321                             | 901                                           |
| 10                                            | 1                    | 58.9                    | 9                        | -                                | -                                | 663                                           |
| 11                                            | 2                    | 74.8                    | 9                        | 1584                             | -                                | 919                                           |
| 12                                            | 1                    | 71.8                    | 9                        | -                                | -                                | 375                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                           |                      |                         | 6                        |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 13                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5510                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 2                    | 88.1                    | 10                       | 1257                             | -                                | 846                                           |
| 2                                             | 1                    | 58.7                    | 10                       | -                                | -                                | 725                                           |
| 3                                             | 2                    | 97.1                    | 10                       | 1037                             | -                                | 30                                            |
| 4                                             | 3                    | 83.1                    | 10                       | 1029                             | 1106                             | 490                                           |
| 5                                             | 1                    | 62.1                    | 10                       | -                                | -                                | 262                                           |
| 6                                             | 2                    | 71.4                    | 10                       | 1058                             | -                                | 283                                           |
| 7                                             | 2                    | 86.3                    | 10                       | 1867                             | -                                | 49                                            |
| 8                                             | 3                    | 77.3                    | 10                       | 1418                             | 1876                             | 634                                           |
| 9                                             | 1                    | 78.9                    | 10                       | -                                | -                                | 304                                           |
| 10                                            | 3                    | 79.2                    | 10                       | 1055                             | 1572                             | 564                                           |
| 11                                            | 3                    | 52                      | 10                       | 1582                             | 1836                             | 852                                           |
| 12                                            | 3                    | 56.5                    | 10                       | 1195                             | 1542                             | 525                                           |
| 13                                            | 3                    | 100                     | 10                       | 1638                             | 1729                             | 750                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                           |                      |                         | 7                        |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 14                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5510                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 2                    | 92.7                    | 11                       | 1208                             | -                                | 231                                           |
| 2                                             | 2                    | 81.3                    | 11                       | 1144                             | -                                | 804                                           |
| 3                                             | 2                    | 60.4                    | 11                       | 1555                             | -                                | 34                                            |
| 4                                             | 2                    | 62.1                    | 11                       | 1320                             | -                                | 427                                           |
| 5                                             | 1                    | 50                      | 11                       | -                                | -                                | 577                                           |
| 6                                             | 3                    | 65.9                    | 11                       | 1020                             | 1365                             | 3                                             |
| 7                                             | 2                    | 73.8                    | 11                       | 1308                             | -                                | 51                                            |
| 8                                             | 2                    | 74.3                    | 11                       | 1143                             | -                                | 360                                           |
| 9                                             | 1                    | 62.9                    | 11                       | -                                | -                                | 394                                           |
| 10                                            | 2                    | 74.8                    | 11                       | 1404                             | -                                | 317                                           |
| 11                                            | 2                    | 69.7                    | 11                       | 1309                             | -                                | 532                                           |
| 12                                            | 2                    | 69.8                    | 11                       | 1688                             | -                                | 339                                           |
| 13                                            | 2                    | 77.4                    | 11                       | 1857                             | -                                | 381                                           |
| 14                                            | 1                    | 55.1                    | 11                       | -                                | -                                | 426                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                           |                      |                         | 8                        |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 15                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5510                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 1                    | 91.7                    | 12                       | -                                | -                                | 776                                           |
| 2                                             | 2                    | 90                      | 12                       | 1196                             | -                                | 187                                           |
| 3                                             | 3                    | 92.3                    | 12                       | 1486                             | 1853                             | 448                                           |
| 4                                             | 2                    | 66.8                    | 12                       | 1545                             | -                                | 702                                           |
| 5                                             | 1                    | 64                      | 12                       | -                                | -                                | 403                                           |
| 6                                             | 3                    | 95.4                    | 12                       | 1123                             | 1473                             | 230                                           |
| 7                                             | 3                    | 66.8                    | 12                       | 1867                             | 1401                             | 604                                           |
| 8                                             | 3                    | 67.7                    | 12                       | 1472                             | 1397                             | 38                                            |
| 9                                             | 1                    | 68.2                    | 12                       | -                                | -                                | 735                                           |
| 10                                            | 2                    | 82.2                    | 12                       | 1297                             | -                                | 610                                           |
| 11                                            | 1                    | 92.1                    | 12                       | -                                | -                                | 618                                           |
| 12                                            | 2                    | 57                      | 12                       | 1764                             | -                                | 705                                           |
| 13                                            | 2                    | 58.5                    | 12                       | 1310                             | -                                | 22                                            |
| 14                                            | 3                    | 85.5                    | 12                       | 1630                             | 1447                             | 641                                           |
| 15                                            | 2                    | 82.2                    | 12                       | 1371                             | -                                | 109                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                                  |                      |                         | 9                        |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 16                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5510                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 2                    | 74.4                    | 13                       | 1707                             | -                                | 442                                           |
| 2                                                    | 2                    | 63.6                    | 13                       | 1725                             | -                                | 280                                           |
| 3                                                    | 2                    | 71.3                    | 13                       | 1704                             | -                                | 459                                           |
| 4                                                    | 3                    | 77.6                    | 13                       | 1063                             | 1405                             | 197                                           |
| 5                                                    | 3                    | 65.2                    | 13                       | 1731                             | 1294                             | 101                                           |
| 6                                                    | 3                    | 55.1                    | 13                       | 1109                             | 1549                             | 17                                            |
| 7                                                    | 2                    | 96.8                    | 13                       | 1034                             | -                                | 131                                           |
| 8                                                    | 3                    | 80.8                    | 13                       | 1533                             | 1051                             | 365                                           |
| 9                                                    | 1                    | 60.4                    | 13                       | -                                | -                                | 222                                           |
| 10                                                   | 2                    | 61.8                    | 13                       | 1312                             | -                                | 371                                           |
| 11                                                   | 2                    | 71.3                    | 13                       | 1657                             | -                                | 33                                            |
| 12                                                   | 2                    | 98.1                    | 13                       | 1024                             | -                                | 291                                           |
| 13                                                   | 1                    | 57.9                    | 13                       | -                                | -                                | 188                                           |
| 14                                                   | 1                    | 91.8                    | 13                       | -                                | -                                | 163                                           |
| 15                                                   | 2                    | 56.7                    | 13                       | 1259                             | -                                | 426                                           |
| 16                                                   | 2                    | 89.7                    | 13                       | 1690                             | -                                | 606                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                                  |                      |                         | 10                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 17                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5510                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 2                    | 74.4                    | 14                       | 1107                             | -                                | 462                                           |
| 2                                                    | 1                    | 87.6                    | 14                       | -                                | -                                | 653                                           |
| 3                                                    | 2                    | 61.7                    | 14                       | 1741                             | -                                | 457                                           |
| 4                                                    | 2                    | 57.5                    | 14                       | 1566                             | -                                | 388                                           |
| 5                                                    | 2                    | 66.1                    | 14                       | 1855                             | -                                | 63                                            |
| 6                                                    | 3                    | 70.1                    | 14                       | 1044                             | 1012                             | 136                                           |
| 7                                                    | 1                    | 66.4                    | 14                       | -                                | -                                | 343                                           |
| 8                                                    | 1                    | 59.2                    | 14                       | -                                | -                                | 349                                           |
| 9                                                    | 2                    | 88.3                    | 14                       | 1240                             | -                                | 362                                           |
| 10                                                   | 1                    | 64.7                    | 14                       | -                                | -                                | 221                                           |
| 11                                                   | 2                    | 73                      | 14                       | 1703                             | -                                | 144                                           |
| 12                                                   | 2                    | 81.7                    | 14                       | 1450                             | -                                | 671                                           |
| 13                                                   | 3                    | 70.1                    | 14                       | 1741                             | 1278                             | 320                                           |
| 14                                                   | 1                    | 63.6                    | 14                       | -                                | -                                | 196                                           |
| 15                                                   | 1                    | 58.7                    | 14                       | -                                | -                                | 413                                           |
| 16                                                   | 2                    | 65.9                    | 14                       | 1478                             | -                                | 170                                           |
| 17                                                   | 1                    | 72.7                    | 14                       | -                                | -                                | 564                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                                  |                      |                         | 11                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 18                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5496                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 2                    | 72.1                    | 15                       | 1193                             | -                                | 130                                           |
| 2                                                    | 3                    | 76.3                    | 15                       | 1484                             | 1390                             | 114                                           |
| 3                                                    | 1                    | 86.1                    | 15                       | -                                | -                                | 14                                            |
| 4                                                    | 1                    | 73.2                    | 15                       | -                                | -                                | 604                                           |
| 5                                                    | 1                    | 81.2                    | 15                       | -                                | -                                | 548                                           |
| 6                                                    | 2                    | 99.5                    | 15                       | 1398                             | -                                | 173                                           |
| 7                                                    | 1                    | 93.9                    | 15                       | -                                | -                                | 262                                           |
| 8                                                    | 2                    | 75.9                    | 15                       | 1921                             | -                                | 38                                            |
| 9                                                    | 3                    | 79.2                    | 15                       | 1100                             | 1429                             | 84                                            |
| 10                                                   | 3                    | 77                      | 15                       | 1166                             | 1799                             | 610                                           |
| 11                                                   | 1                    | 91.8                    | 15                       | -                                | -                                | 339                                           |
| 12                                                   | 3                    | 56.8                    | 15                       | 1330                             | 1556                             | 580                                           |
| 13                                                   | 2                    | 83.1                    | 15                       | 1556                             | -                                | 295                                           |
| 14                                                   | 2                    | 63                      | 15                       | 1552                             | -                                | 156                                           |
| 15                                                   | 1                    | 65.7                    | 15                       | -                                | -                                | 439                                           |
| 16                                                   | 1                    | 64.5                    | 15                       | -                                | -                                | 188                                           |
| 17                                                   | 1                    | 88.5                    | 15                       | -                                | -                                | 419                                           |
| 18                                                   | 1                    | 60.6                    | 15                       | -                                | -                                | 205                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                                  |                      |                         | 12                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 19                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5496                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 2                    | 90.5                    | 16                       | 1299                             | -                                | 381                                           |
| 2                                                    | 2                    | 88.4                    | 16                       | 1418                             | -                                | 327                                           |
| 3                                                    | 2                    | 53.7                    | 16                       | 1055                             | -                                | 536                                           |
| 4                                                    | 1                    | 80.5                    | 16                       | -                                | -                                | 285                                           |
| 5                                                    | 1                    | 50.4                    | 16                       | -                                | -                                | 398                                           |
| 6                                                    | 2                    | 61.2                    | 16                       | 1749                             | -                                | 439                                           |
| 7                                                    | 2                    | 78.8                    | 16                       | 1065                             | -                                | 129                                           |
| 8                                                    | 3                    | 75                      | 16                       | 1748                             | 1820                             | 325                                           |
| 9                                                    | 2                    | 96.7                    | 16                       | 1254                             | -                                | 440                                           |
| 10                                                   | 3                    | 76.3                    | 16                       | 1848                             | 1106                             | 397                                           |
| 11                                                   | 1                    | 73.3                    | 16                       | -                                | -                                | 232                                           |
| 12                                                   | 2                    | 92.4                    | 16                       | 1317                             | -                                | 91                                            |
| 13                                                   | 2                    | 92.4                    | 16                       | 1854                             | -                                | 256                                           |
| 14                                                   | 3                    | 64.4                    | 16                       | 1240                             | 1634                             | 582                                           |
| 15                                                   | 2                    | 67.3                    | 16                       | 1473                             | -                                | 117                                           |
| 16                                                   | 2                    | 84.1                    | 16                       | 1795                             | -                                | 202                                           |
| 17                                                   | 1                    | 80.9                    | 16                       | -                                | -                                | 135                                           |
| 18                                                   | 1                    | 74.6                    | 16                       | -                                | -                                | 396                                           |
| 19                                                   | 2                    | 97.6                    | 16                       | 1805                             | -                                | 615                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |





| <b>Trial Number</b>                                  |                      |                         | 13                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 20                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5497                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 2                    | 66.1                    | 17                       | 1417                             | -                                | 388                                           |
| 2                                                    | 2                    | 86.7                    | 17                       | 1693                             | -                                | 348                                           |
| 3                                                    | 2                    | 70.5                    | 17                       | 1263                             | -                                | 215                                           |
| 4                                                    | 2                    | 78                      | 17                       | 1446                             | -                                | 28                                            |
| 5                                                    | 2                    | 66                      | 17                       | 1185                             | -                                | 585                                           |
| 6                                                    | 2                    | 80.6                    | 17                       | 1855                             | -                                | 65                                            |
| 7                                                    | 1                    | 95.5                    | 17                       | -                                | -                                | 92                                            |
| 8                                                    | 1                    | 98.8                    | 17                       | -                                | -                                | 68                                            |
| 9                                                    | 3                    | 64.3                    | 17                       | 1641                             | 1108                             | 517                                           |
| 10                                                   | 1                    | 75.1                    | 17                       | -                                | -                                | 121                                           |
| 11                                                   | 2                    | 72.6                    | 17                       | 1499                             | -                                | 448                                           |
| 12                                                   | 1                    | 60.3                    | 17                       | -                                | -                                | 567                                           |
| 13                                                   | 2                    | 54.9                    | 17                       | 1056                             | -                                | 245                                           |
| 14                                                   | 2                    | 98.8                    | 17                       | 1023                             | -                                | 584                                           |
| 15                                                   | 2                    | 60.9                    | 17                       | 1243                             | -                                | 579                                           |
| 16                                                   | 2                    | 62.7                    | 17                       | 1226                             | -                                | 464                                           |
| 17                                                   | 1                    | 80.1                    | 17                       | -                                | -                                | 89                                            |
| 18                                                   | 2                    | 70.9                    | 17                       | 1711                             | -                                | 153                                           |
| 19                                                   | 1                    | 90.7                    | 17                       | -                                | -                                | 282                                           |
| 20                                                   | 1                    | 98.9                    | 17                       | -                                | -                                | 71                                            |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                                  |                      |                         | 14                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 8                        |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5498                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 2                    | 67.5                    | 20                       | 1542                             | -                                | 947                                           |
| 2                                                    | 3                    | 83.6                    | 20                       | 1272                             | 1696                             | 124                                           |
| 3                                                    | 2                    | 93.2                    | 20                       | 1877                             | -                                | 701                                           |
| 4                                                    | 1                    | 55.6                    | 20                       | -                                | -                                | 1123                                          |
| 5                                                    | 3                    | 84.2                    | 20                       | 1733                             | 1619                             | 756                                           |
| 6                                                    | 3                    | 69.1                    | 20                       | 1612                             | 1071                             | 1                                             |
| 7                                                    | 2                    | 66.9                    | 20                       | 1905                             | -                                | 7                                             |
| 8                                                    | 3                    | 86.8                    | 20                       | 1697                             | 1621                             | 1082                                          |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                           |                      |                         | 15                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 9                        |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5498                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 2                    | 62.2                    | 19                       | 1571                             | -                                | 949                                           |
| 2                                             | 2                    | 85                      | 19                       | 1669                             | -                                | 189                                           |
| 3                                             | 2                    | 64.5                    | 19                       | 1505                             | -                                | 176                                           |
| 4                                             | 2                    | 50.4                    | 19                       | 1325                             | -                                | 538                                           |
| 5                                             | 2                    | 66.1                    | 19                       | 1483                             | -                                | 908                                           |
| 6                                             | 2                    | 71.2                    | 19                       | 1110                             | -                                | 1017                                          |
| 7                                             | 3                    | 53.7                    | 19                       | 1445                             | 1677                             | 492                                           |
| 8                                             | 3                    | 62.5                    | 19                       | 1596                             | 1341                             | 349                                           |
| 9                                             | 3                    | 62                      | 19                       | 1929                             | 1221                             | 1105                                          |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                           |                      |                         | 16                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 10                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5497                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 2                    | 80.5                    | 18                       | 1910                             | -                                | 284                                           |
| 2                                             | 2                    | 64.2                    | 18                       | 1661                             | -                                | 751                                           |
| 3                                             | 2                    | 90.1                    | 18                       | 1041                             | -                                | 491                                           |
| 4                                             | 2                    | 69.8                    | 18                       | 1495                             | -                                | 107                                           |
| 5                                             | 1                    | 73.1                    | 18                       | -                                | -                                | 490                                           |
| 6                                             | 3                    | 77.2                    | 18                       | 1418                             | 1145                             | 1155                                          |
| 7                                             | 3                    | 52.6                    | 18                       | 1732                             | 1787                             | 772                                           |
| 8                                             | 2                    | 71.4                    | 18                       | 1562                             | -                                | 121                                           |
| 9                                             | 2                    | 89.8                    | 18                       | 1491                             | -                                | 89                                            |
| 10                                            | 2                    | 76.4                    | 18                       | 1355                             | -                                | 615                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |



| Trial Number                                  |               |                  | 17                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 11                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5497              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 2             | 51.2             | 17                | 1236                      | -                         | 740                                    |
| 2                                             | 1             | 71.7             | 17                | -                         | -                         | 941                                    |
| 3                                             | 2             | 74.7             | 17                | 1164                      | -                         | 370                                    |
| 4                                             | 2             | 50.9             | 17                | 1919                      | -                         | 371                                    |
| 5                                             | 2             | 65.2             | 17                | 1206                      | -                         | 1033                                   |
| 6                                             | 2             | 98               | 17                | 1182                      | -                         | 346                                    |
| 7                                             | 2             | 58.7             | 17                | 1612                      | -                         | 639                                    |
| 8                                             | 1             | 63.8             | 17                | -                         | -                         | 1056                                   |
| 9                                             | 3             | 86.3             | 17                | 1545                      | 1065                      | 205                                    |
| 10                                            | 1             | 94.4             | 17                | -                         | -                         | 753                                    |
| 11                                            | 3             | 88.5             | 17                | 1699                      | 1319                      | 58                                     |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |

| Trial Number                                  |               |                  | 18                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 12                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5496              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 2             | 88.7             | 16                | 1405                      | -                         | 448                                    |
| 2                                             | 3             | 90.2             | 16                | 1544                      | 1235                      | 621                                    |
| 3                                             | 1             | 96.5             | 16                | -                         | -                         | 512                                    |
| 4                                             | 2             | 80.5             | 16                | 1090                      | -                         | 321                                    |
| 5                                             | 2             | 63.7             | 16                | 1268                      | -                         | 798                                    |
| 6                                             | 1             | 53.4             | 16                | -                         | -                         | 809                                    |
| 7                                             | 2             | 52.3             | 16                | 1043                      | -                         | 301                                    |
| 8                                             | 3             | 54.7             | 16                | 1701                      | 1104                      | 796                                    |
| 9                                             | 3             | 75.6             | 16                | 1923                      | 1729                      | 669                                    |
| 10                                            | 2             | 59.2             | 16                | 1244                      | -                         | 369                                    |
| 11                                            | 1             | 56.3             | 16                | -                         | -                         | 51                                     |
| 12                                            | 2             | 87.8             | 16                | 1608                      | -                         | 733                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |



| <b>Trial Number</b>                           |                      |                         | 19                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 13                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5496                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 2                    | 68.2                    | 15                       | 1104                             | -                                | 229                                           |
| 2                                             | 2                    | 58.4                    | 15                       | 1627                             | -                                | 488                                           |
| 3                                             | 3                    | 74.7                    | 15                       | 1861                             | 1015                             | 137                                           |
| 4                                             | 2                    | 58.2                    | 15                       | 1593                             | -                                | 520                                           |
| 5                                             | 1                    | 51.6                    | 15                       | -                                | -                                | 799                                           |
| 6                                             | 2                    | 94.7                    | 15                       | 1469                             | -                                | 43                                            |
| 7                                             | 2                    | 70.7                    | 15                       | 1091                             | -                                | 126                                           |
| 8                                             | 2                    | 82.9                    | 15                       | 1472                             | -                                | 607                                           |
| 9                                             | 3                    | 62.7                    | 15                       | 1168                             | 1453                             | 527                                           |
| 10                                            | 2                    | 63.1                    | 15                       | 1529                             | -                                | 143                                           |
| 11                                            | 1                    | 96.1                    | 15                       | -                                | -                                | 176                                           |
| 12                                            | 2                    | 57                      | 15                       | 1457                             | -                                | 882                                           |
| 13                                            | 3                    | 95.6                    | 15                       | 1707                             | 1501                             | 214                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                           |                      |                         | 20                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 14                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5496                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 1                    | 95.7                    | 14                       | -                                | -                                | 117                                           |
| 2                                             | 1                    | 93.1                    | 14                       | -                                | -                                | 720                                           |
| 3                                             | 1                    | 55.8                    | 14                       | -                                | -                                | 297                                           |
| 4                                             | 1                    | 76.7                    | 14                       | -                                | -                                | 284                                           |
| 5                                             | 2                    | 68                      | 14                       | 1686                             | -                                | 472                                           |
| 6                                             | 3                    | 94.1                    | 14                       | 1796                             | 1393                             | 264                                           |
| 7                                             | 2                    | 53.9                    | 14                       | 1293                             | -                                | 525                                           |
| 8                                             | 1                    | 99.3                    | 14                       | -                                | -                                | 155                                           |
| 9                                             | 2                    | 73.3                    | 14                       | 1458                             | -                                | 65                                            |
| 10                                            | 2                    | 93.3                    | 14                       | 1196                             | -                                | 451                                           |
| 11                                            | 3                    | 55.8                    | 14                       | 1895                             | 1034                             | 243                                           |
| 12                                            | 1                    | 66.4                    | 14                       | -                                | -                                | 228                                           |
| 13                                            | 2                    | 65.6                    | 14                       | 1732                             | -                                | 746                                           |
| 14                                            | 2                    | 76.5                    | 14                       | 1187                             | -                                | 522                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                           |                      |                         | 21                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 15                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5525                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 1                    | 85.1                    | 13                       | -                                | -                                | 565                                           |
| 2                                             | 2                    | 72.5                    | 13                       | 1648                             | -                                | 211                                           |
| 3                                             | 1                    | 67.5                    | 13                       | -                                | -                                | 348                                           |
| 4                                             | 2                    | 56.1                    | 13                       | 1360                             | -                                | 156                                           |
| 5                                             | 1                    | 71.1                    | 13                       | -                                | -                                | 718                                           |
| 6                                             | 2                    | 93.1                    | 13                       | 1391                             | -                                | 400                                           |
| 7                                             | 1                    | 56.5                    | 13                       | -                                | -                                | 482                                           |
| 8                                             | 1                    | 63.8                    | 13                       | -                                | -                                | 703                                           |
| 9                                             | 2                    | 67.4                    | 13                       | 1727                             | -                                | 780                                           |
| 10                                            | 1                    | 52.3                    | 13                       | -                                | -                                | 102                                           |
| 11                                            | 3                    | 62.4                    | 13                       | 1228                             | 1715                             | 304                                           |
| 12                                            | 2                    | 53.3                    | 13                       | 1630                             | -                                | 57                                            |
| 13                                            | 2                    | 83.1                    | 13                       | 1205                             | -                                | 768                                           |
| 14                                            | 2                    | 93.7                    | 13                       | 1085                             | -                                | 461                                           |
| 15                                            | 2                    | 90.7                    | 13                       | 1297                             | -                                | 746                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                           |                      |                         | 22                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 16                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5525                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 2                    | 98.8                    | 12                       | 1439                             | -                                | 95                                            |
| 2                                             | 1                    | 54.5                    | 12                       | -                                | -                                | 676                                           |
| 3                                             | 2                    | 80.5                    | 12                       | 1360                             | -                                | 8                                             |
| 4                                             | 2                    | 55.9                    | 12                       | 1906                             | -                                | 373                                           |
| 5                                             | 2                    | 72.1                    | 12                       | 1623                             | -                                | 254                                           |
| 6                                             | 2                    | 84.4                    | 12                       | 1604                             | -                                | 480                                           |
| 7                                             | 1                    | 78.5                    | 12                       | -                                | -                                | 663                                           |
| 8                                             | 1                    | 88                      | 12                       | -                                | -                                | 314                                           |
| 9                                             | 2                    | 74.7                    | 12                       | 1157                             | -                                | 596                                           |
| 10                                            | 2                    | 97.1                    | 12                       | 1673                             | -                                | 264                                           |
| 11                                            | 1                    | 81.6                    | 12                       | -                                | -                                | 740                                           |
| 12                                            | 1                    | 83.6                    | 12                       | -                                | -                                | 163                                           |
| 13                                            | 3                    | 87.6                    | 12                       | 1757                             | 1322                             | 628                                           |
| 14                                            | 2                    | 58.5                    | 12                       | 1372                             | -                                | 132                                           |
| 15                                            | 3                    | 91.8                    | 12                       | 1767                             | 1183                             | 106                                           |
| 16                                            | 2                    | 58.8                    | 12                       | 1432                             | -                                | 659                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                                  |                      |                         | 23                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 17                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5526                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 1                    | 96                      | 11                       | -                                | -                                | 284                                           |
| 2                                                    | 2                    | 92.5                    | 11                       | 1241                             | -                                | 488                                           |
| 3                                                    | 2                    | 89.5                    | 11                       | 1347                             | -                                | 76                                            |
| 4                                                    | 2                    | 74.8                    | 11                       | 1607                             | -                                | 688                                           |
| 5                                                    | 2                    | 60.6                    | 11                       | 1523                             | -                                | 28                                            |
| 6                                                    | 2                    | 71.5                    | 11                       | 1659                             | -                                | 383                                           |
| 7                                                    | 2                    | 71.1                    | 11                       | 1454                             | -                                | 182                                           |
| 8                                                    | 1                    | 98.7                    | 11                       | -                                | -                                | 20                                            |
| 9                                                    | 2                    | 85.1                    | 11                       | 1770                             | -                                | 576                                           |
| 10                                                   | 2                    | 89.2                    | 11                       | 1086                             | -                                | 410                                           |
| 11                                                   | 2                    | 60.7                    | 11                       | 1101                             | -                                | 458                                           |
| 12                                                   | 2                    | 75.2                    | 11                       | 1719                             | -                                | 348                                           |
| 13                                                   | 2                    | 75.7                    | 11                       | 1799                             | -                                | 481                                           |
| 14                                                   | 3                    | 56.7                    | 11                       | 1132                             | 1884                             | 587                                           |
| 15                                                   | 2                    | 65                      | 11                       | 1885                             | -                                | 480                                           |
| 16                                                   | 2                    | 64.6                    | 11                       | 1910                             | -                                | 195                                           |
| 17                                                   | 3                    | 69.9                    | 11                       | 1410                             | 1190                             | 396                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                                  |                      |                         | 24                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 18                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5526                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 3                    | 83.8                    | 10                       | 1290                             | 1021                             | 536                                           |
| 2                                                    | 2                    | 66.9                    | 10                       | 1112                             | -                                | 44                                            |
| 3                                                    | 3                    | 91                      | 10                       | 1220                             | 1504                             | 611                                           |
| 4                                                    | 2                    | 86.1                    | 10                       | 1678                             | -                                | 456                                           |
| 5                                                    | 3                    | 65.5                    | 10                       | 1928                             | 1222                             | 330                                           |
| 6                                                    | 1                    | 62.6                    | 10                       | -                                | -                                | 297                                           |
| 7                                                    | 3                    | 68.7                    | 10                       | 1505                             | 1200                             | 351                                           |
| 8                                                    | 3                    | 59.2                    | 10                       | 1452                             | 1114                             | 230                                           |
| 9                                                    | 1                    | 73.9                    | 10                       | -                                | -                                | 222                                           |
| 10                                                   | 1                    | 77.2                    | 10                       | -                                | -                                | 57                                            |
| 11                                                   | 2                    | 96.4                    | 10                       | 1357                             | -                                | 399                                           |
| 12                                                   | 2                    | 99.9                    | 10                       | 1173                             | -                                | 299                                           |
| 13                                                   | 2                    | 99.9                    | 10                       | 1520                             | -                                | 464                                           |
| 14                                                   | 1                    | 86.7                    | 10                       | -                                | -                                | 294                                           |
| 15                                                   | 1                    | 92.6                    | 10                       | -                                | -                                | 653                                           |
| 16                                                   | 1                    | 77.1                    | 10                       | -                                | -                                | 550                                           |
| 17                                                   | 2                    | 81.1                    | 10                       | 1664                             | -                                | 566                                           |
| 18                                                   | 3                    | 68.4                    | 10                       | 1536                             | 1309                             | 580                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                                  |                      |                         | 25                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 19                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5526                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 3                    | 68.2                    | 9                        | 1723                             | 1868                             | 471                                           |
| 2                                                    | 3                    | 83.7                    | 9                        | 1711                             | 1405                             | 368                                           |
| 3                                                    | 2                    | 69.7                    | 9                        | 1781                             | -                                | 425                                           |
| 4                                                    | 1                    | 59.7                    | 9                        | -                                | -                                | 440                                           |
| 5                                                    | 2                    | 96.7                    | 9                        | 1484                             | -                                | 123                                           |
| 6                                                    | 2                    | 95.8                    | 9                        | 1319                             | -                                | 261                                           |
| 7                                                    | 3                    | 71.3                    | 9                        | 1095                             | 1354                             | 332                                           |
| 8                                                    | 3                    | 53.2                    | 9                        | 1527                             | 1427                             | 427                                           |
| 9                                                    | 2                    | 69.5                    | 9                        | 1771                             | -                                | 397                                           |
| 10                                                   | 3                    | 63.9                    | 9                        | 1075                             | 1447                             | 67                                            |
| 11                                                   | 2                    | 93.4                    | 9                        | 1783                             | -                                | 174                                           |
| 12                                                   | 2                    | 77.3                    | 9                        | 1564                             | -                                | 17                                            |
| 13                                                   | 2                    | 73.1                    | 9                        | 1294                             | -                                | 216                                           |
| 14                                                   | 1                    | 77.4                    | 9                        | -                                | -                                | 292                                           |
| 15                                                   | 3                    | 57.2                    | 9                        | 1722                             | 1886                             | 619                                           |
| 16                                                   | 2                    | 68.7                    | 9                        | 1629                             | -                                | 233                                           |
| 17                                                   | 1                    | 60.8                    | 9                        | -                                | -                                | 226                                           |
| 18                                                   | 3                    | 69.7                    | 9                        | 1128                             | 1224                             | 599                                           |
| 19                                                   | 1                    | 62.2                    | 9                        | -                                | -                                | 433                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |





| Trial Number                                  |               |                  | 26                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 20                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5527              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 1             | 80.5             | 8                 | -                         | -                         | 90                                     |
| 2                                             | 3             | 62.6             | 8                 | 1406                      | 1343                      | 319                                    |
| 3                                             | 3             | 85.6             | 8                 | 1190                      | 1529                      | 384                                    |
| 4                                             | 2             | 83.9             | 8                 | 1208                      | -                         | 567                                    |
| 5                                             | 2             | 92.4             | 8                 | 1488                      | -                         | 234                                    |
| 6                                             | 2             | 54               | 8                 | 1529                      | -                         | 535                                    |
| 7                                             | 3             | 81.3             | 8                 | 1501                      | 1812                      | 325                                    |
| 8                                             | 1             | 98.5             | 8                 | -                         | -                         | 532                                    |
| 9                                             | 1             | 85.8             | 8                 | -                         | -                         | 272                                    |
| 10                                            | 2             | 84.7             | 8                 | 1593                      | -                         | 182                                    |
| 11                                            | 2             | 83.3             | 8                 | 1705                      | -                         | 134                                    |
| 12                                            | 2             | 79.8             | 8                 | 1567                      | -                         | 286                                    |
| 13                                            | 1             | 77.9             | 8                 | -                         | -                         | 368                                    |
| 14                                            | 3             | 98.4             | 8                 | 1510                      | 1569                      | 290                                    |
| 15                                            | 2             | 79.9             | 8                 | 1588                      | -                         | 231                                    |
| 16                                            | 3             | 78               | 8                 | 1140                      | 1353                      | 353                                    |
| 17                                            | 3             | 55.2             | 8                 | 1700                      | 1327                      | 53                                     |
| 18                                            | 3             | 71.9             | 8                 | 1081                      | 1224                      | 44                                     |
| 19                                            | 1             | 62               | 8                 | -                         | -                         | 298                                    |
| 20                                            | 3             | 70.5             | 8                 | 1888                      | 1442                      | 529                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |

| Trial Number                                  |               |                  | 27                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 8                 |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5523              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 2             | 69.1             | 18                | 1076                      | -                         | 1436                                   |
| 2                                             | 2             | 62.1             | 18                | 1688                      | -                         | 22                                     |
| 3                                             | 2             | 94.8             | 18                | 1891                      | -                         | 897                                    |
| 4                                             | 1             | 75.8             | 18                | -                         | -                         | 1186                                   |
| 5                                             | 2             | 65.4             | 18                | 1713                      | -                         | 589                                    |
| 6                                             | 2             | 97.7             | 18                | 1292                      | -                         | 614                                    |
| 7                                             | 3             | 98.1             | 18                | 1670                      | 1711                      | 506                                    |
| 8                                             | 2             | 85.4             | 18                | 1672                      | -                         | 776                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |



| <b>Trial Number</b>                           |                      |                         | 28                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 9                        |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5522                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 3                    | 82                      | 19                       | 1233                             | 1713                             | 679                                           |
| 2                                             | 3                    | 87.7                    | 19                       | 1554                             | 1123                             | 473                                           |
| 3                                             | 2                    | 98.9                    | 19                       | 1518                             | -                                | 869                                           |
| 4                                             | 1                    | 55                      | 19                       | -                                | -                                | 719                                           |
| 5                                             | 1                    | 93.6                    | 19                       | -                                | -                                | 902                                           |
| 6                                             | 2                    | 58.7                    | 19                       | 1641                             | -                                | 1243                                          |
| 7                                             | 2                    | 88.7                    | 19                       | 1387                             | -                                | 410                                           |
| 8                                             | 1                    | 60.3                    | 19                       | -                                | -                                | 1154                                          |
| 9                                             | 1                    | 97.7                    | 19                       | -                                | -                                | 512                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                           |                      |                         | 29                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 10                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5522                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 1                    | 69.6                    | 20                       | -                                | -                                | 1131                                          |
| 2                                             | 1                    | 74.5                    | 20                       | -                                | -                                | 290                                           |
| 3                                             | 1                    | 60.9                    | 20                       | -                                | -                                | 895                                           |
| 4                                             | 1                    | 74.6                    | 20                       | -                                | -                                | 202                                           |
| 5                                             | 2                    | 99.3                    | 20                       | 1501                             | -                                | 139                                           |
| 6                                             | 2                    | 95.3                    | 20                       | 1065                             | -                                | 854                                           |
| 7                                             | 2                    | 91.9                    | 20                       | 1722                             | -                                | 219                                           |
| 8                                             | 2                    | 51                      | 20                       | 1285                             | -                                | 57                                            |
| 9                                             | 2                    | 87.7                    | 20                       | 1747                             | -                                | 141                                           |
| 10                                            | 1                    | 87.2                    | 20                       | -                                | -                                | 596                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 0                                             |



| <b>Trial Number</b>                                  |                      |                         | 30                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 11                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5528                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 3                    | 59.9                    | 5                        | 1901                             | 1196                             | 935                                           |
| 2                                                    | 2                    | 77.1                    | 5                        | 1590                             | -                                | 1038                                          |
| 3                                                    | 2                    | 62.7                    | 5                        | 1227                             | -                                | 690                                           |
| 4                                                    | 1                    | 77.1                    | 5                        | -                                | -                                | 547                                           |
| 5                                                    | 3                    | 99.8                    | 5                        | 1798                             | 1790                             | 551                                           |
| 6                                                    | 2                    | 61.5                    | 5                        | 1135                             | -                                | 876                                           |
| 7                                                    | 2                    | 77.5                    | 5                        | 1583                             | -                                | 448                                           |
| 8                                                    | 2                    | 57.3                    | 5                        | 1890                             | -                                | 736                                           |
| 9                                                    | 2                    | 53.5                    | 5                        | 1757                             | -                                | 362                                           |
| 10                                                   | 1                    | 66.6                    | 5                        | -                                | -                                | 836                                           |
| 11                                                   | 3                    | 80.7                    | 5                        | 1811                             | 1289                             | 410                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |

**Type 6 Radar Statistical Performance**

| Trial #                  | Test Freq. (MHz) | Pulses / Hop | Pulse Width (us) | PRI (us) | 1=Detection<br>0=No Detection |
|--------------------------|------------------|--------------|------------------|----------|-------------------------------|
| 1                        | 5510             | 9            | 1                | 333      | 1                             |
| 2                        | 5510             | 9            | 1                | 333      | 1                             |
| 3                        | 5510             | 9            | 1                | 333      | 1                             |
| 4                        | 5510             | 9            | 1                | 333      | 1                             |
| 5                        | 5510             | 9            | 1                | 333      | 1                             |
| 6                        | 5510             | 9            | 1                | 333      | 1                             |
| 7                        | 5510             | 9            | 1                | 333      | 1                             |
| 8                        | 5510             | 9            | 1                | 333      | 1                             |
| 9                        | 5510             | 9            | 1                | 333      | 1                             |
| 10                       | 5510             | 9            | 1                | 333      | 1                             |
| 11                       | 5510             | 9            | 1                | 333      | 1                             |
| 12                       | 5510             | 9            | 1                | 333      | 1                             |
| 13                       | 5510             | 9            | 1                | 333      | 1                             |
| 14                       | 5510             | 9            | 1                | 333      | 1                             |
| 15                       | 5510             | 9            | 1                | 333      | 1                             |
| 16                       | 5510             | 9            | 1                | 333      | 1                             |
| 17                       | 5510             | 9            | 1                | 333      | 1                             |
| 18                       | 5510             | 9            | 1                | 333      | 1                             |
| 19                       | 5510             | 9            | 1                | 333      | 1                             |
| 20                       | 5510             | 9            | 1                | 333      | 1                             |
| 21                       | 5510             | 9            | 1                | 333      | 1                             |
| 22                       | 5510             | 9            | 1                | 333      | 1                             |
| 23                       | 5510             | 9            | 1                | 333      | 1                             |
| 24                       | 5510             | 9            | 1                | 333      | 1                             |
| 25                       | 5510             | 9            | 1                | 333      | 1                             |
| 26                       | 5510             | 9            | 1                | 333      | 1                             |
| 27                       | 5510             | 9            | 1                | 333      | 1                             |
| 28                       | 5510             | 9            | 1                | 333      | 1                             |
| 29                       | 5510             | 9            | 1                | 333      | 1                             |
| 30                       | 5510             | 9            | 1                | 333      | 1                             |
| Detection Percentage (%) |                  |              |                  |          | 100.000                       |
| Limit                    |                  |              |                  |          | 70%                           |
| Test Result              |                  |              |                  |          | Complied                      |

**Modulation Mode: 802.11ax (HEW80)****Type 1 Radar Statistical Performance**

| Trial #                  | Test Freq. (MHz) | Pulse Repetition<br>Frequency Number | Pulse Repetition<br>Frequency<br>(Pulse Per Second) | PRI (us) | 1=Detection<br>0=No Detection |
|--------------------------|------------------|--------------------------------------|-----------------------------------------------------|----------|-------------------------------|
| 1                        | 5496             | 1                                    | 1930.5                                              | 518      | 1                             |
| 2                        | 5556             | 23                                   | 326.2                                               | 3066     | 1                             |
| 3                        | 5494             | 19                                   | 1139.0                                              | 878      | 0                             |
| 4                        | 5567             | 12                                   | 1355.0                                              | 738      | 1                             |
| 5                        | 5537             | 4                                    | 1730.1                                              | 578      | 1                             |
| 6                        | 5492             | 8                                    | 1519.8                                              | 658      | 1                             |
| 7                        | 5553             | 15                                   | 1253.1                                              | 798      | 1                             |
| 8                        | 5545             | 6                                    | 1618.1                                              | 618      | 1                             |
| 9                        | 5551             | 14                                   | 1285.3                                              | 778      | 1                             |
| 10                       | 5565             | 3                                    | 1792.1                                              | 558      | 1                             |
| 11                       | 5550             | 13                                   | 1319.3                                              | 758      | 1                             |
| 12                       | 5538             | 9                                    | 1474.9                                              | 678      | 0                             |
| 13                       | 5493             | 7                                    | 1567.4                                              | 638      | 1                             |
| 14                       | 5557             | 17                                   | 1193.3                                              | 838      | 1                             |
| 15                       | 5566             | 10                                   | 1432.7                                              | 698      | 1                             |
| 16                       | 5511             | -                                    | 1692.0                                              | 591      | 1                             |
| 17                       | 5507             | -                                    | 328.1                                               | 3048     | 1                             |
| 18                       | 5542             | -                                    | 373.4                                               | 2678     | 1                             |
| 19                       | 5498             | -                                    | 574.4                                               | 1741     | 1                             |
| 20                       | 5549             | -                                    | 1216.5                                              | 822      | 1                             |
| 21                       | 5524             | -                                    | 801.3                                               | 1248     | 0                             |
| 22                       | 5495             | -                                    | 488.5                                               | 2047     | 1                             |
| 23                       | 5514             | -                                    | 956.0                                               | 1046     | 1                             |
| 24                       | 5568             | -                                    | 517.6                                               | 1932     | 1                             |
| 25                       | 5530             | -                                    | 1422.5                                              | 703      | 1                             |
| 26                       | 5513             | -                                    | 542.0                                               | 1845     | 1                             |
| 27                       | 5563             | -                                    | 741.3                                               | 1349     | 1                             |
| 28                       | 5497             | -                                    | 881.8                                               | 1134     | 1                             |
| 29                       | 5501             | -                                    | 427.4                                               | 2340     | 1                             |
| 30                       | 5564             | -                                    | 628.9                                               | 1590     | 1                             |
| Detection Percentage (%) |                  |                                      |                                                     |          | 90.000                        |
| Limit                    |                  |                                      |                                                     |          | 60%                           |
| <b>Test Result</b>       |                  |                                      |                                                     |          | <b>Complied</b>               |

**Type 2 Radar Statistical Performance**

| Trial #                  | Test Freq. (MHz) | Pulse Width (us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|------------------|------------------|----------|----------------|-------------------------------|
| 1                        | 5496             | 2.6              | 221      | 23             | 1                             |
| 2                        | 5537             | 4.6              | 198      | 27             | 1                             |
| 3                        | 5536             | 1.1              | 184      | 29             | 0                             |
| 4                        | 5518             | 4.8              | 203      | 24             | 1                             |
| 5                        | 5532             | 2.4              | 162      | 25             | 1                             |
| 6                        | 5522             | 3.4              | 204      | 28             | 1                             |
| 7                        | 5499             | 2.3              | 170      | 27             | 1                             |
| 8                        | 5524             | 3.5              | 184      | 23             | 0                             |
| 9                        | 5529             | 4.9              | 150      | 27             | 1                             |
| 10                       | 5506             | 4.6              | 211      | 29             | 1                             |
| 11                       | 5497             | 2.9              | 158      | 23             | 1                             |
| 12                       | 5534             | 2.6              | 226      | 27             | 0                             |
| 13                       | 5533             | 1.6              | 204      | 26             | 1                             |
| 14                       | 5525             | 3.9              | 181      | 25             | 1                             |
| 15                       | 5549             | 4.6              | 202      | 24             | 1                             |
| 16                       | 5568             | 4.1              | 194      | 27             | 1                             |
| 17                       | 5544             | 2.3              | 193      | 28             | 1                             |
| 18                       | 5555             | 3.9              | 173      | 29             | 1                             |
| 19                       | 5523             | 4.3              | 188      | 23             | 1                             |
| 20                       | 5511             | 1.5              | 215      | 26             | 1                             |
| 21                       | 5502             | 4.9              | 227      | 27             | 1                             |
| 22                       | 5560             | 1.1              | 199      | 23             | 1                             |
| 23                       | 5501             | 4.5              | 155      | 29             | 1                             |
| 24                       | 5492             | 4.0              | 190      | 27             | 0                             |
| 25                       | 5509             | 2.4              | 151      | 23             | 1                             |
| 26                       | 5559             | 2.5              | 180      | 28             | 1                             |
| 27                       | 5565             | 2.5              | 228      | 23             | 0                             |
| 28                       | 5510             | 2.5              | 203      | 25             | 1                             |
| 29                       | 5516             | 1.5              | 188      | 25             | 1                             |
| 30                       | 5530             | 1.9              | 217      | 24             | 1                             |
| Detection Percentage (%) |                  |                  |          |                | 83.333                        |
| Limit                    |                  |                  |          |                | 60%                           |
| Test Result              |                  |                  |          |                | Complied                      |

**Type 3 Radar Statistical Performance**

| Trial #                  | Test Freq. (MHz) | Pulse Width (us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|------------------|------------------|----------|----------------|-------------------------------|
| 1                        | 5501             | 8.0              | 205      | 16             | 1                             |
| 2                        | 5566             | 6.7              | 382      | 18             | 1                             |
| 3                        | 5540             | 8.6              | 418      | 16             | 1                             |
| 4                        | 5512             | 9.4              | 351      | 17             | 1                             |
| 5                        | 5500             | 7.4              | 383      | 18             | 0                             |
| 6                        | 5535             | 9.8              | 232      | 16             | 1                             |
| 7                        | 5559             | 9.1              | 377      | 17             | 1                             |
| 8                        | 5531             | 9.6              | 457      | 16             | 1                             |
| 9                        | 5547             | 8.0              | 471      | 18             | 1                             |
| 10                       | 5544             | 9.0              | 304      | 18             | 1                             |
| 11                       | 5561             | 8.0              | 316      | 17             | 1                             |
| 12                       | 5549             | 9.8              | 325      | 16             | 1                             |
| 13                       | 5545             | 8.0              | 409      | 17             | 1                             |
| 14                       | 5495             | 9.9              | 200      | 17             | 0                             |
| 15                       | 5498             | 8.8              | 458      | 16             | 1                             |
| 16                       | 5541             | 8.0              | 232      | 18             | 1                             |
| 17                       | 5542             | 8.3              | 250      | 16             | 1                             |
| 18                       | 5563             | 8.7              | 270      | 16             | 1                             |
| 19                       | 5509             | 7.7              | 350      | 17             | 1                             |
| 20                       | 5538             | 7.1              | 230      | 16             | 1                             |
| 21                       | 5524             | 7.3              | 416      | 18             | 1                             |
| 22                       | 5510             | 7.6              | 498      | 18             | 1                             |
| 23                       | 5568             | 7.3              | 286      | 17             | 0                             |
| 24                       | 5499             | 7.3              | 287      | 16             | 1                             |
| 25                       | 5518             | 7.5              | 462      | 17             | 1                             |
| 26                       | 5536             | 6.2              | 300      | 17             | 1                             |
| 27                       | 5505             | 6.4              | 323      | 18             | 1                             |
| 28                       | 5492             | 7.1              | 420      | 16             | 1                             |
| 29                       | 5565             | 7.2              | 395      | 18             | 1                             |
| 30                       | 5558             | 8.4              | 377      | 16             | 1                             |
| Detection Percentage (%) |                  |                  |          |                | 90.000                        |
| Limit                    |                  |                  |          |                | 60%                           |
| Test Result              |                  |                  |          |                | Complied                      |

**Type 4 Radar Statistical Performance**

| <b>Trial #</b>           | <b>Test Freq. (MHz)</b> | <b>Pulse Width (us)</b> | <b>PRI (us)</b> | <b>Pulses / Burst</b> | <b>1=Detection<br/>0=No Detection</b> |
|--------------------------|-------------------------|-------------------------|-----------------|-----------------------|---------------------------------------|
| 1                        | 5533                    | 18.0                    | 242             | 15                    | 1                                     |
| 2                        | 5509                    | 19.9                    | 279             | 12                    | 1                                     |
| 3                        | 5515                    | 12.9                    | 487             | 14                    | 1                                     |
| 4                        | 5504                    | 15.0                    | 452             | 13                    | 0                                     |
| 5                        | 5561                    | 16.3                    | 230             | 12                    | 1                                     |
| 6                        | 5543                    | 19.8                    | 238             | 13                    | 1                                     |
| 7                        | 5559                    | 18.2                    | 420             | 16                    | 1                                     |
| 8                        | 5497                    | 16.3                    | 452             | 15                    | 0                                     |
| 9                        | 5562                    | 14.2                    | 495             | 12                    | 1                                     |
| 10                       | 5501                    | 17.8                    | 228             | 16                    | 1                                     |
| 11                       | 5548                    | 19.1                    | 211             | 16                    | 1                                     |
| 12                       | 5558                    | 18.4                    | 283             | 15                    | 1                                     |
| 13                       | 5521                    | 11.8                    | 411             | 12                    | 1                                     |
| 14                       | 5519                    | 14.2                    | 284             | 13                    | 1                                     |
| 15                       | 5545                    | 13.9                    | 202             | 12                    | 1                                     |
| 16                       | 5516                    | 17.8                    | 340             | 14                    | 1                                     |
| 17                       | 5555                    | 15.6                    | 290             | 16                    | 1                                     |
| 18                       | 5528                    | 14.6                    | 250             | 16                    | 1                                     |
| 19                       | 5557                    | 14.4                    | 484             | 15                    | 1                                     |
| 20                       | 5507                    | 18.9                    | 387             | 13                    | 1                                     |
| 21                       | 5547                    | 11.1                    | 348             | 15                    | 1                                     |
| 22                       | 5566                    | 13.8                    | 291             | 16                    | 0                                     |
| 23                       | 5567                    | 14.3                    | 295             | 12                    | 1                                     |
| 24                       | 5554                    | 12.5                    | 300             | 12                    | 1                                     |
| 25                       | 5568                    | 12.5                    | 322             | 14                    | 1                                     |
| 26                       | 5513                    | 12.5                    | 383             | 13                    | 0                                     |
| 27                       | 5492                    | 15.7                    | 322             | 16                    | 1                                     |
| 28                       | 5508                    | 19.8                    | 469             | 13                    | 1                                     |
| 29                       | 5524                    | 18.6                    | 406             | 15                    | 1                                     |
| 30                       | 5551                    | 15.9                    | 238             | 14                    | 1                                     |
| Detection Percentage (%) |                         |                         |                 |                       | 86.667                                |
| Limit                    |                         |                         |                 |                       | 60%                                   |
| Test Result              |                         |                         |                 |                       | Complied                              |



**Total Type 1~4 Radar Statistical Performance**

| <b>Radar Type #</b>         | <b>Detection Percentage (%)</b> |
|-----------------------------|---------------------------------|
| 1                           | 90.000                          |
| 2                           | 83.333                          |
| 3                           | 90.000                          |
| 4                           | 86.667                          |
| Aggregate (Radar Types 1-4) | 87.500                          |
| Limit                       | 80%                             |
| <b>Test Result</b>          | <b>Complied</b>                 |


**Type 5 Radar Statistical Performance**

| Center Freq. (MHz)       | Low Edge (MHz) | High Edge (MHz) | VSG Freq. (MHz) | Detection       |
|--------------------------|----------------|-----------------|-----------------|-----------------|
| Trial                    | Chirp          | Offset          |                 |                 |
| 1                        | 5              | 2               | 5530.0          | 1               |
| 2                        | 20             | 8               | 5530.0          | 1               |
| 3                        | 7              | 2.8             | 5530.0          | 1               |
| 4                        | 8              | 3.2             | 5530.0          | 1               |
| 5                        | 9              | 3.6             | 5530.0          | 1               |
| 6                        | 10             | 4               | 5530.0          | 1               |
| 7                        | 11             | 4.4             | 5530.0          | 1               |
| 8                        | 12             | 4.8             | 5530.0          | 1               |
| 9                        | 13             | 5.2             | 5530.0          | 1               |
| 10                       | 14             | 5.6             | 5530.0          | 1               |
| 11                       | 15             | 6               | 5498.0          | 1               |
| 12                       | 16             | 6.4             | 5498.4          | 1               |
| 13                       | 17             | 6.8             | 5498.8          | 1               |
| 14                       | 20             | 8               | 5500.0          | 1               |
| 15                       | 19             | 7.6             | 5499.6          | 1               |
| 16                       | 18             | 7.2             | 5499.2          | 1               |
| 17                       | 17             | 6.8             | 5498.8          | 1               |
| 18                       | 16             | 6.4             | 5498.4          | 1               |
| 19                       | 15             | 6               | 5498.0          | 1               |
| 20                       | 14             | 5.6             | 5497.6          | 1               |
| 21                       | 13             | 5.2             | 5562.8          | 1               |
| 22                       | 12             | 4.8             | 5563.2          | 1               |
| 23                       | 11             | 4.4             | 5563.6          | 1               |
| 24                       | 10             | 4               | 5564.0          | 1               |
| 25                       | 9              | 3.6             | 5564.4          | 1               |
| 26                       | 8              | 3.2             | 5564.8          | 1               |
| 27                       | 18             | 7.2             | 5560.8          | 1               |
| 28                       | 19             | 7.6             | 5560.4          | 1               |
| 29                       | 20             | 8               | 5560.0          | 0               |
| 30                       | 5              | 2               | 5566.0          | 1               |
| Total                    |                |                 |                 | 29              |
| Detection Percentage (%) |                |                 |                 | 97%             |
| Limit                    |                |                 |                 | 80%             |
| <b>Test Result</b>       |                |                 |                 | <b>Complied</b> |



| <b>Trial Number</b>                           |                      |                         | 1                        |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 8                        |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5530                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 1                    | 62.1                    | 5                        | -                                | -                                | 1091                                          |
| 2                                             | 2                    | 56                      | 5                        | 1729                             | -                                | 133                                           |
| 3                                             | 2                    | 91.3                    | 5                        | 1230                             | -                                | 1057                                          |
| 4                                             | 3                    | 50.7                    | 5                        | 1762                             | 1616                             | 1442                                          |
| 5                                             | 2                    | 92.6                    | 5                        | 1723                             | -                                | 544                                           |
| 6                                             | 2                    | 87.3                    | 5                        | 1302                             | -                                | 1089                                          |
| 7                                             | 2                    | 59.5                    | 5                        | 1291                             | -                                | 1374                                          |
| 8                                             | 2                    | 52.2                    | 5                        | 1653                             | -                                | 1237                                          |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                           |                      |                         | 2                        |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 9                        |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5530                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 3                    | 90                      | 20                       | 1007                             | 1326                             | 30                                            |
| 2                                             | 2                    | 73.7                    | 20                       | 1785                             | -                                | 979                                           |
| 3                                             | 1                    | 78.1                    | 20                       | -                                | -                                | 683                                           |
| 4                                             | 2                    | 92.4                    | 20                       | 1281                             | -                                | 950                                           |
| 5                                             | 1                    | 61.2                    | 20                       | -                                | -                                | 612                                           |
| 6                                             | 3                    | 67.2                    | 20                       | 1525                             | 1870                             | 17                                            |
| 7                                             | 1                    | 78.5                    | 20                       | -                                | -                                | 429                                           |
| 8                                             | 2                    | 60.3                    | 20                       | 1931                             | -                                | 936                                           |
| 9                                             | 3                    | 92.9                    | 20                       | 1403                             | 1476                             | 548                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |



| Trial Number                                  |               |                  | 3                 |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 10                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5530              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 3             | 63.4             | 7                 | 1574                      | 1607                      | 801                                    |
| 2                                             | 1             | 98               | 7                 | -                         | -                         | 966                                    |
| 3                                             | 1             | 58.7             | 7                 | -                         | -                         | 185                                    |
| 4                                             | 1             | 88               | 7                 | -                         | -                         | 1012                                   |
| 5                                             | 3             | 79.5             | 7                 | 1562                      | 1370                      | 943                                    |
| 6                                             | 3             | 57.1             | 7                 | 1900                      | 1188                      | 686                                    |
| 7                                             | 2             | 64.4             | 7                 | 1090                      | -                         | 599                                    |
| 8                                             | 1             | 78.7             | 7                 | -                         | -                         | 1089                                   |
| 9                                             | 1             | 69.3             | 7                 | -                         | -                         | 188                                    |
| 10                                            | 3             | 55.3             | 7                 | 1375                      | 1691                      | 933                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |

| Trial Number                                  |               |                  | 4                 |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 11                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5530              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 2             | 74.3             | 8                 | 1642                      | -                         | 24                                     |
| 2                                             | 1             | 83.1             | 8                 | -                         | -                         | 985                                    |
| 3                                             | 2             | 59.5             | 8                 | 1680                      | -                         | 988                                    |
| 4                                             | 2             | 59.8             | 8                 | 1786                      | -                         | 800                                    |
| 5                                             | 2             | 77.6             | 8                 | 1617                      | -                         | 339                                    |
| 6                                             | 2             | 79.9             | 8                 | 1553                      | -                         | 1040                                   |
| 7                                             | 1             | 56               | 8                 | -                         | -                         | 544                                    |
| 8                                             | 3             | 71.4             | 8                 | 1406                      | 1927                      | 452                                    |
| 9                                             | 1             | 97.4             | 8                 | -                         | -                         | 204                                    |
| 10                                            | 2             | 98.3             | 8                 | 1037                      | -                         | 926                                    |
| 11                                            | 1             | 63.6             | 8                 | -                         | -                         | 1052                                   |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |



| Trial Number                                  |               |                  | 5                 |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 12                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5530              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 1             | 50               | 9                 | -                         | -                         | 557                                    |
| 2                                             | 2             | 62.5             | 9                 | 1731                      | -                         | 567                                    |
| 3                                             | 2             | 55.4             | 9                 | 1070                      | -                         | 460                                    |
| 4                                             | 1             | 65.7             | 9                 | -                         | -                         | 4                                      |
| 5                                             | 2             | 58               | 9                 | 1512                      | -                         | 64                                     |
| 6                                             | 2             | 60.9             | 9                 | 1230                      | -                         | 650                                    |
| 7                                             | 3             | 89.6             | 9                 | 1598                      | 1738                      | 235                                    |
| 8                                             | 3             | 84.4             | 9                 | 1271                      | 1617                      | 873                                    |
| 9                                             | 3             | 72.3             | 9                 | 1498                      | 1321                      | 901                                    |
| 10                                            | 1             | 58.9             | 9                 | -                         | -                         | 663                                    |
| 11                                            | 2             | 74.8             | 9                 | 1584                      | -                         | 919                                    |
| 12                                            | 1             | 71.8             | 9                 | -                         | -                         | 375                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |

| Trial Number                                  |               |                  | 6                 |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 13                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5530              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 2             | 88.1             | 10                | 1257                      | -                         | 846                                    |
| 2                                             | 1             | 58.7             | 10                | -                         | -                         | 725                                    |
| 3                                             | 2             | 97.1             | 10                | 1037                      | -                         | 30                                     |
| 4                                             | 3             | 83.1             | 10                | 1029                      | 1106                      | 490                                    |
| 5                                             | 1             | 62.1             | 10                | -                         | -                         | 262                                    |
| 6                                             | 2             | 71.4             | 10                | 1058                      | -                         | 283                                    |
| 7                                             | 2             | 86.3             | 10                | 1867                      | -                         | 49                                     |
| 8                                             | 3             | 77.3             | 10                | 1418                      | 1876                      | 634                                    |
| 9                                             | 1             | 78.9             | 10                | -                         | -                         | 304                                    |
| 10                                            | 3             | 79.2             | 10                | 1055                      | 1572                      | 564                                    |
| 11                                            | 3             | 52               | 10                | 1582                      | 1836                      | 852                                    |
| 12                                            | 3             | 56.5             | 10                | 1195                      | 1542                      | 525                                    |
| 13                                            | 3             | 100              | 10                | 1638                      | 1729                      | 750                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |



| <b>Trial Number</b>                           |                      |                         | 7                        |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 14                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5530                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 2                    | 92.7                    | 11                       | 1208                             | -                                | 231                                           |
| 2                                             | 2                    | 81.3                    | 11                       | 1144                             | -                                | 804                                           |
| 3                                             | 2                    | 60.4                    | 11                       | 1555                             | -                                | 34                                            |
| 4                                             | 2                    | 62.1                    | 11                       | 1320                             | -                                | 427                                           |
| 5                                             | 1                    | 50                      | 11                       | -                                | -                                | 577                                           |
| 6                                             | 3                    | 65.9                    | 11                       | 1020                             | 1365                             | 3                                             |
| 7                                             | 2                    | 73.8                    | 11                       | 1308                             | -                                | 51                                            |
| 8                                             | 2                    | 74.3                    | 11                       | 1143                             | -                                | 360                                           |
| 9                                             | 1                    | 62.9                    | 11                       | -                                | -                                | 394                                           |
| 10                                            | 2                    | 74.8                    | 11                       | 1404                             | -                                | 317                                           |
| 11                                            | 2                    | 69.7                    | 11                       | 1309                             | -                                | 532                                           |
| 12                                            | 2                    | 69.8                    | 11                       | 1688                             | -                                | 339                                           |
| 13                                            | 2                    | 77.4                    | 11                       | 1857                             | -                                | 381                                           |
| 14                                            | 1                    | 55.1                    | 11                       | -                                | -                                | 426                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                           |                      |                         | 8                        |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 15                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5530                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 1                    | 91.7                    | 12                       | -                                | -                                | 776                                           |
| 2                                             | 2                    | 90                      | 12                       | 1196                             | -                                | 187                                           |
| 3                                             | 3                    | 92.3                    | 12                       | 1486                             | 1853                             | 448                                           |
| 4                                             | 2                    | 66.8                    | 12                       | 1545                             | -                                | 702                                           |
| 5                                             | 1                    | 64                      | 12                       | -                                | -                                | 403                                           |
| 6                                             | 3                    | 95.4                    | 12                       | 1123                             | 1473                             | 230                                           |
| 7                                             | 3                    | 66.8                    | 12                       | 1867                             | 1401                             | 604                                           |
| 8                                             | 3                    | 67.7                    | 12                       | 1472                             | 1397                             | 38                                            |
| 9                                             | 1                    | 68.2                    | 12                       | -                                | -                                | 735                                           |
| 10                                            | 2                    | 82.2                    | 12                       | 1297                             | -                                | 610                                           |
| 11                                            | 1                    | 92.1                    | 12                       | -                                | -                                | 618                                           |
| 12                                            | 2                    | 57                      | 12                       | 1764                             | -                                | 705                                           |
| 13                                            | 2                    | 58.5                    | 12                       | 1310                             | -                                | 22                                            |
| 14                                            | 3                    | 85.5                    | 12                       | 1630                             | 1447                             | 641                                           |
| 15                                            | 2                    | 82.2                    | 12                       | 1371                             | -                                | 109                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                                  |                      |                         | 9                        |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 16                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5530                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 2                    | 74.4                    | 13                       | 1707                             | -                                | 442                                           |
| 2                                                    | 2                    | 63.6                    | 13                       | 1725                             | -                                | 280                                           |
| 3                                                    | 2                    | 71.3                    | 13                       | 1704                             | -                                | 459                                           |
| 4                                                    | 3                    | 77.6                    | 13                       | 1063                             | 1405                             | 197                                           |
| 5                                                    | 3                    | 65.2                    | 13                       | 1731                             | 1294                             | 101                                           |
| 6                                                    | 3                    | 55.1                    | 13                       | 1109                             | 1549                             | 17                                            |
| 7                                                    | 2                    | 96.8                    | 13                       | 1034                             | -                                | 131                                           |
| 8                                                    | 3                    | 80.8                    | 13                       | 1533                             | 1051                             | 365                                           |
| 9                                                    | 1                    | 60.4                    | 13                       | -                                | -                                | 222                                           |
| 10                                                   | 2                    | 61.8                    | 13                       | 1312                             | -                                | 371                                           |
| 11                                                   | 2                    | 71.3                    | 13                       | 1657                             | -                                | 33                                            |
| 12                                                   | 2                    | 98.1                    | 13                       | 1024                             | -                                | 291                                           |
| 13                                                   | 1                    | 57.9                    | 13                       | -                                | -                                | 188                                           |
| 14                                                   | 1                    | 91.8                    | 13                       | -                                | -                                | 163                                           |
| 15                                                   | 2                    | 56.7                    | 13                       | 1259                             | -                                | 426                                           |
| 16                                                   | 2                    | 89.7                    | 13                       | 1690                             | -                                | 606                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                                  |                      |                         | 10                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 17                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5530                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 2                    | 74.4                    | 14                       | 1107                             | -                                | 462                                           |
| 2                                                    | 1                    | 87.6                    | 14                       | -                                | -                                | 653                                           |
| 3                                                    | 2                    | 61.7                    | 14                       | 1741                             | -                                | 457                                           |
| 4                                                    | 2                    | 57.5                    | 14                       | 1566                             | -                                | 388                                           |
| 5                                                    | 2                    | 66.1                    | 14                       | 1855                             | -                                | 63                                            |
| 6                                                    | 3                    | 70.1                    | 14                       | 1044                             | 1012                             | 136                                           |
| 7                                                    | 1                    | 66.4                    | 14                       | -                                | -                                | 343                                           |
| 8                                                    | 1                    | 59.2                    | 14                       | -                                | -                                | 349                                           |
| 9                                                    | 2                    | 88.3                    | 14                       | 1240                             | -                                | 362                                           |
| 10                                                   | 1                    | 64.7                    | 14                       | -                                | -                                | 221                                           |
| 11                                                   | 2                    | 73                      | 14                       | 1703                             | -                                | 144                                           |
| 12                                                   | 2                    | 81.7                    | 14                       | 1450                             | -                                | 671                                           |
| 13                                                   | 3                    | 70.1                    | 14                       | 1741                             | 1278                             | 320                                           |
| 14                                                   | 1                    | 63.6                    | 14                       | -                                | -                                | 196                                           |
| 15                                                   | 1                    | 58.7                    | 14                       | -                                | -                                | 413                                           |
| 16                                                   | 2                    | 65.9                    | 14                       | 1478                             | -                                | 170                                           |
| 17                                                   | 1                    | 72.7                    | 14                       | -                                | -                                | 564                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |





| <b>Trial Number</b>                                  |                      |                         | 11                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 18                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5498                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 2                    | 72.1                    | 15                       | 1193                             | -                                | 130                                           |
| 2                                                    | 3                    | 76.3                    | 15                       | 1484                             | 1390                             | 114                                           |
| 3                                                    | 1                    | 86.1                    | 15                       | -                                | -                                | 14                                            |
| 4                                                    | 1                    | 73.2                    | 15                       | -                                | -                                | 604                                           |
| 5                                                    | 1                    | 81.2                    | 15                       | -                                | -                                | 548                                           |
| 6                                                    | 2                    | 99.5                    | 15                       | 1398                             | -                                | 173                                           |
| 7                                                    | 1                    | 93.9                    | 15                       | -                                | -                                | 262                                           |
| 8                                                    | 2                    | 75.9                    | 15                       | 1921                             | -                                | 38                                            |
| 9                                                    | 3                    | 79.2                    | 15                       | 1100                             | 1429                             | 84                                            |
| 10                                                   | 3                    | 77                      | 15                       | 1166                             | 1799                             | 610                                           |
| 11                                                   | 1                    | 91.8                    | 15                       | -                                | -                                | 339                                           |
| 12                                                   | 3                    | 56.8                    | 15                       | 1330                             | 1556                             | 580                                           |
| 13                                                   | 2                    | 83.1                    | 15                       | 1556                             | -                                | 295                                           |
| 14                                                   | 2                    | 63                      | 15                       | 1552                             | -                                | 156                                           |
| 15                                                   | 1                    | 65.7                    | 15                       | -                                | -                                | 439                                           |
| 16                                                   | 1                    | 64.5                    | 15                       | -                                | -                                | 188                                           |
| 17                                                   | 1                    | 88.5                    | 15                       | -                                | -                                | 419                                           |
| 18                                                   | 1                    | 60.6                    | 15                       | -                                | -                                | 205                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                                  |                      |                         | 12                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 19                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5498                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 2                    | 90.5                    | 16                       | 1299                             | -                                | 381                                           |
| 2                                                    | 2                    | 88.4                    | 16                       | 1418                             | -                                | 327                                           |
| 3                                                    | 2                    | 53.7                    | 16                       | 1055                             | -                                | 536                                           |
| 4                                                    | 1                    | 80.5                    | 16                       | -                                | -                                | 285                                           |
| 5                                                    | 1                    | 50.4                    | 16                       | -                                | -                                | 398                                           |
| 6                                                    | 2                    | 61.2                    | 16                       | 1749                             | -                                | 439                                           |
| 7                                                    | 2                    | 78.8                    | 16                       | 1065                             | -                                | 129                                           |
| 8                                                    | 3                    | 75                      | 16                       | 1748                             | 1820                             | 325                                           |
| 9                                                    | 2                    | 96.7                    | 16                       | 1254                             | -                                | 440                                           |
| 10                                                   | 3                    | 76.3                    | 16                       | 1848                             | 1106                             | 397                                           |
| 11                                                   | 1                    | 73.3                    | 16                       | -                                | -                                | 232                                           |
| 12                                                   | 2                    | 92.4                    | 16                       | 1317                             | -                                | 91                                            |
| 13                                                   | 2                    | 92.4                    | 16                       | 1854                             | -                                | 256                                           |
| 14                                                   | 3                    | 64.4                    | 16                       | 1240                             | 1634                             | 582                                           |
| 15                                                   | 2                    | 67.3                    | 16                       | 1473                             | -                                | 117                                           |
| 16                                                   | 2                    | 84.1                    | 16                       | 1795                             | -                                | 202                                           |
| 17                                                   | 1                    | 80.9                    | 16                       | -                                | -                                | 135                                           |
| 18                                                   | 1                    | 74.6                    | 16                       | -                                | -                                | 396                                           |
| 19                                                   | 2                    | 97.6                    | 16                       | 1805                             | -                                | 615                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                                  |                      |                         | 13                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 20                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5499                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 2                    | 66.1                    | 17                       | 1417                             | -                                | 388                                           |
| 2                                                    | 2                    | 86.7                    | 17                       | 1693                             | -                                | 348                                           |
| 3                                                    | 2                    | 70.5                    | 17                       | 1263                             | -                                | 215                                           |
| 4                                                    | 2                    | 78                      | 17                       | 1446                             | -                                | 28                                            |
| 5                                                    | 2                    | 66                      | 17                       | 1185                             | -                                | 585                                           |
| 6                                                    | 2                    | 80.6                    | 17                       | 1855                             | -                                | 65                                            |
| 7                                                    | 1                    | 95.5                    | 17                       | -                                | -                                | 92                                            |
| 8                                                    | 1                    | 98.8                    | 17                       | -                                | -                                | 68                                            |
| 9                                                    | 3                    | 64.3                    | 17                       | 1641                             | 1108                             | 517                                           |
| 10                                                   | 1                    | 75.1                    | 17                       | -                                | -                                | 121                                           |
| 11                                                   | 2                    | 72.6                    | 17                       | 1499                             | -                                | 448                                           |
| 12                                                   | 1                    | 60.3                    | 17                       | -                                | -                                | 567                                           |
| 13                                                   | 2                    | 54.9                    | 17                       | 1056                             | -                                | 245                                           |
| 14                                                   | 2                    | 98.8                    | 17                       | 1023                             | -                                | 584                                           |
| 15                                                   | 2                    | 60.9                    | 17                       | 1243                             | -                                | 579                                           |
| 16                                                   | 2                    | 62.7                    | 17                       | 1226                             | -                                | 464                                           |
| 17                                                   | 1                    | 80.1                    | 17                       | -                                | -                                | 89                                            |
| 18                                                   | 2                    | 70.9                    | 17                       | 1711                             | -                                | 153                                           |
| 19                                                   | 1                    | 90.7                    | 17                       | -                                | -                                | 282                                           |
| 20                                                   | 1                    | 98.9                    | 17                       | -                                | -                                | 71                                            |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                                  |                      |                         | 14                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 8                        |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5500                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 2                    | 67.5                    | 20                       | 1542                             | -                                | 947                                           |
| 2                                                    | 3                    | 83.6                    | 20                       | 1272                             | 1696                             | 124                                           |
| 3                                                    | 2                    | 93.2                    | 20                       | 1877                             | -                                | 701                                           |
| 4                                                    | 1                    | 55.6                    | 20                       | -                                | -                                | 1123                                          |
| 5                                                    | 3                    | 84.2                    | 20                       | 1733                             | 1619                             | 756                                           |
| 6                                                    | 3                    | 69.1                    | 20                       | 1612                             | 1071                             | 1                                             |
| 7                                                    | 2                    | 66.9                    | 20                       | 1905                             | -                                | 7                                             |
| 8                                                    | 3                    | 86.8                    | 20                       | 1697                             | 1621                             | 1082                                          |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |



| Trial Number                                  |               |                  | 15                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 9                 |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5500              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 2             | 62.2             | 19                | 1571                      | -                         | 949                                    |
| 2                                             | 2             | 85               | 19                | 1669                      | -                         | 189                                    |
| 3                                             | 2             | 64.5             | 19                | 1505                      | -                         | 176                                    |
| 4                                             | 2             | 50.4             | 19                | 1325                      | -                         | 538                                    |
| 5                                             | 2             | 66.1             | 19                | 1483                      | -                         | 908                                    |
| 6                                             | 2             | 71.2             | 19                | 1110                      | -                         | 1017                                   |
| 7                                             | 3             | 53.7             | 19                | 1445                      | 1677                      | 492                                    |
| 8                                             | 3             | 62.5             | 19                | 1596                      | 1341                      | 349                                    |
| 9                                             | 3             | 62               | 19                | 1929                      | 1221                      | 1105                                   |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |

| Trial Number                                  |               |                  | 16                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 10                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5499              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 2             | 80.5             | 18                | 1910                      | -                         | 284                                    |
| 2                                             | 2             | 64.2             | 18                | 1661                      | -                         | 751                                    |
| 3                                             | 2             | 90.1             | 18                | 1041                      | -                         | 491                                    |
| 4                                             | 2             | 69.8             | 18                | 1495                      | -                         | 107                                    |
| 5                                             | 1             | 73.1             | 18                | -                         | -                         | 490                                    |
| 6                                             | 3             | 77.2             | 18                | 1418                      | 1145                      | 1155                                   |
| 7                                             | 3             | 52.6             | 18                | 1732                      | 1787                      | 772                                    |
| 8                                             | 2             | 71.4             | 18                | 1562                      | -                         | 121                                    |
| 9                                             | 2             | 89.8             | 18                | 1491                      | -                         | 89                                     |
| 10                                            | 2             | 76.4             | 18                | 1355                      | -                         | 615                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |



| Trial Number                                  |               |                  | 17                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 11                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5499              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 2             | 51.2             | 17                | 1236                      | -                         | 740                                    |
| 2                                             | 1             | 71.7             | 17                | -                         | -                         | 941                                    |
| 3                                             | 2             | 74.7             | 17                | 1164                      | -                         | 370                                    |
| 4                                             | 2             | 50.9             | 17                | 1919                      | -                         | 371                                    |
| 5                                             | 2             | 65.2             | 17                | 1206                      | -                         | 1033                                   |
| 6                                             | 2             | 98               | 17                | 1182                      | -                         | 346                                    |
| 7                                             | 2             | 58.7             | 17                | 1612                      | -                         | 639                                    |
| 8                                             | 1             | 63.8             | 17                | -                         | -                         | 1056                                   |
| 9                                             | 3             | 86.3             | 17                | 1545                      | 1065                      | 205                                    |
| 10                                            | 1             | 94.4             | 17                | -                         | -                         | 753                                    |
| 11                                            | 3             | 88.5             | 17                | 1699                      | 1319                      | 58                                     |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |

| Trial Number                                  |               |                  | 18                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 12                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5498              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 2             | 88.7             | 16                | 1405                      | -                         | 448                                    |
| 2                                             | 3             | 90.2             | 16                | 1544                      | 1235                      | 621                                    |
| 3                                             | 1             | 96.5             | 16                | -                         | -                         | 512                                    |
| 4                                             | 2             | 80.5             | 16                | 1090                      | -                         | 321                                    |
| 5                                             | 2             | 63.7             | 16                | 1268                      | -                         | 798                                    |
| 6                                             | 1             | 53.4             | 16                | -                         | -                         | 809                                    |
| 7                                             | 2             | 52.3             | 16                | 1043                      | -                         | 301                                    |
| 8                                             | 3             | 54.7             | 16                | 1701                      | 1104                      | 796                                    |
| 9                                             | 3             | 75.6             | 16                | 1923                      | 1729                      | 669                                    |
| 10                                            | 2             | 59.2             | 16                | 1244                      | -                         | 369                                    |
| 11                                            | 1             | 56.3             | 16                | -                         | -                         | 51                                     |
| 12                                            | 2             | 87.8             | 16                | 1608                      | -                         | 733                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |



| Trial Number                                  |               |                  | 19                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 13                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5498              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 2             | 68.2             | 15                | 1104                      | -                         | 229                                    |
| 2                                             | 2             | 58.4             | 15                | 1627                      | -                         | 488                                    |
| 3                                             | 3             | 74.7             | 15                | 1861                      | 1015                      | 137                                    |
| 4                                             | 2             | 58.2             | 15                | 1593                      | -                         | 520                                    |
| 5                                             | 1             | 51.6             | 15                | -                         | -                         | 799                                    |
| 6                                             | 2             | 94.7             | 15                | 1469                      | -                         | 43                                     |
| 7                                             | 2             | 70.7             | 15                | 1091                      | -                         | 126                                    |
| 8                                             | 2             | 82.9             | 15                | 1472                      | -                         | 607                                    |
| 9                                             | 3             | 62.7             | 15                | 1168                      | 1453                      | 527                                    |
| 10                                            | 2             | 63.1             | 15                | 1529                      | -                         | 143                                    |
| 11                                            | 1             | 96.1             | 15                | -                         | -                         | 176                                    |
| 12                                            | 2             | 57               | 15                | 1457                      | -                         | 882                                    |
| 13                                            | 3             | 95.6             | 15                | 1707                      | 1501                      | 214                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |

| Trial Number                                  |               |                  | 20                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 14                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5498              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 1             | 95.7             | 14                | -                         | -                         | 117                                    |
| 2                                             | 1             | 93.1             | 14                | -                         | -                         | 720                                    |
| 3                                             | 1             | 55.8             | 14                | -                         | -                         | 297                                    |
| 4                                             | 1             | 76.7             | 14                | -                         | -                         | 284                                    |
| 5                                             | 2             | 68               | 14                | 1686                      | -                         | 472                                    |
| 6                                             | 3             | 94.1             | 14                | 1796                      | 1393                      | 264                                    |
| 7                                             | 2             | 53.9             | 14                | 1293                      | -                         | 525                                    |
| 8                                             | 1             | 99.3             | 14                | -                         | -                         | 155                                    |
| 9                                             | 2             | 73.3             | 14                | 1458                      | -                         | 65                                     |
| 10                                            | 2             | 93.3             | 14                | 1196                      | -                         | 451                                    |
| 11                                            | 3             | 55.8             | 14                | 1895                      | 1034                      | 243                                    |
| 12                                            | 1             | 66.4             | 14                | -                         | -                         | 228                                    |
| 13                                            | 2             | 65.6             | 14                | 1732                      | -                         | 746                                    |
| 14                                            | 2             | 76.5             | 14                | 1187                      | -                         | 522                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |



| Trial Number                                  |               |                  | 21                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 15                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5563              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 1             | 85.1             | 13                | -                         | -                         | 565                                    |
| 2                                             | 2             | 72.5             | 13                | 1648                      | -                         | 211                                    |
| 3                                             | 1             | 67.5             | 13                | -                         | -                         | 348                                    |
| 4                                             | 2             | 56.1             | 13                | 1360                      | -                         | 156                                    |
| 5                                             | 1             | 71.1             | 13                | -                         | -                         | 718                                    |
| 6                                             | 2             | 93.1             | 13                | 1391                      | -                         | 400                                    |
| 7                                             | 1             | 56.5             | 13                | -                         | -                         | 482                                    |
| 8                                             | 1             | 63.8             | 13                | -                         | -                         | 703                                    |
| 9                                             | 2             | 67.4             | 13                | 1727                      | -                         | 780                                    |
| 10                                            | 1             | 52.3             | 13                | -                         | -                         | 102                                    |
| 11                                            | 3             | 62.4             | 13                | 1228                      | 1715                      | 304                                    |
| 12                                            | 2             | 53.3             | 13                | 1630                      | -                         | 57                                     |
| 13                                            | 2             | 83.1             | 13                | 1205                      | -                         | 768                                    |
| 14                                            | 2             | 93.7             | 13                | 1085                      | -                         | 461                                    |
| 15                                            | 2             | 90.7             | 13                | 1297                      | -                         | 746                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |

| Trial Number                                  |               |                  | 22                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 16                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5563              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 2             | 98.8             | 12                | 1439                      | -                         | 95                                     |
| 2                                             | 1             | 54.5             | 12                | -                         | -                         | 676                                    |
| 3                                             | 2             | 80.5             | 12                | 1360                      | -                         | 8                                      |
| 4                                             | 2             | 55.9             | 12                | 1906                      | -                         | 373                                    |
| 5                                             | 2             | 72.1             | 12                | 1623                      | -                         | 254                                    |
| 6                                             | 2             | 84.4             | 12                | 1604                      | -                         | 480                                    |
| 7                                             | 1             | 78.5             | 12                | -                         | -                         | 663                                    |
| 8                                             | 1             | 88               | 12                | -                         | -                         | 314                                    |
| 9                                             | 2             | 74.7             | 12                | 1157                      | -                         | 596                                    |
| 10                                            | 2             | 97.1             | 12                | 1673                      | -                         | 264                                    |
| 11                                            | 1             | 81.6             | 12                | -                         | -                         | 740                                    |
| 12                                            | 1             | 83.6             | 12                | -                         | -                         | 163                                    |
| 13                                            | 3             | 87.6             | 12                | 1757                      | 1322                      | 628                                    |
| 14                                            | 2             | 58.5             | 12                | 1372                      | -                         | 132                                    |
| 15                                            | 3             | 91.8             | 12                | 1767                      | 1183                      | 106                                    |
| 16                                            | 2             | 58.8             | 12                | 1432                      | -                         | 659                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |



| <b>Trial Number</b>                                  |                      |                         | 23                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 17                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5564                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 1                    | 96                      | 11                       | -                                | -                                | 284                                           |
| 2                                                    | 2                    | 92.5                    | 11                       | 1241                             | -                                | 488                                           |
| 3                                                    | 2                    | 89.5                    | 11                       | 1347                             | -                                | 76                                            |
| 4                                                    | 2                    | 74.8                    | 11                       | 1607                             | -                                | 688                                           |
| 5                                                    | 2                    | 60.6                    | 11                       | 1523                             | -                                | 28                                            |
| 6                                                    | 2                    | 71.5                    | 11                       | 1659                             | -                                | 383                                           |
| 7                                                    | 2                    | 71.1                    | 11                       | 1454                             | -                                | 182                                           |
| 8                                                    | 1                    | 98.7                    | 11                       | -                                | -                                | 20                                            |
| 9                                                    | 2                    | 85.1                    | 11                       | 1770                             | -                                | 576                                           |
| 10                                                   | 2                    | 89.2                    | 11                       | 1086                             | -                                | 410                                           |
| 11                                                   | 2                    | 60.7                    | 11                       | 1101                             | -                                | 458                                           |
| 12                                                   | 2                    | 75.2                    | 11                       | 1719                             | -                                | 348                                           |
| 13                                                   | 2                    | 75.7                    | 11                       | 1799                             | -                                | 481                                           |
| 14                                                   | 3                    | 56.7                    | 11                       | 1132                             | 1884                             | 587                                           |
| 15                                                   | 2                    | 65                      | 11                       | 1885                             | -                                | 480                                           |
| 16                                                   | 2                    | 64.6                    | 11                       | 1910                             | -                                | 195                                           |
| 17                                                   | 3                    | 69.9                    | 11                       | 1410                             | 1190                             | 396                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |





| <b>Trial Number</b>                                  |                      |                         | 24                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 18                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5564                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 3                    | 83.8                    | 10                       | 1290                             | 1021                             | 536                                           |
| 2                                                    | 2                    | 66.9                    | 10                       | 1112                             | -                                | 44                                            |
| 3                                                    | 3                    | 91                      | 10                       | 1220                             | 1504                             | 611                                           |
| 4                                                    | 2                    | 86.1                    | 10                       | 1678                             | -                                | 456                                           |
| 5                                                    | 3                    | 65.5                    | 10                       | 1928                             | 1222                             | 330                                           |
| 6                                                    | 1                    | 62.6                    | 10                       | -                                | -                                | 297                                           |
| 7                                                    | 3                    | 68.7                    | 10                       | 1505                             | 1200                             | 351                                           |
| 8                                                    | 3                    | 59.2                    | 10                       | 1452                             | 1114                             | 230                                           |
| 9                                                    | 1                    | 73.9                    | 10                       | -                                | -                                | 222                                           |
| 10                                                   | 1                    | 77.2                    | 10                       | -                                | -                                | 57                                            |
| 11                                                   | 2                    | 96.4                    | 10                       | 1357                             | -                                | 399                                           |
| 12                                                   | 2                    | 99.9                    | 10                       | 1173                             | -                                | 299                                           |
| 13                                                   | 2                    | 99.9                    | 10                       | 1520                             | -                                | 464                                           |
| 14                                                   | 1                    | 86.7                    | 10                       | -                                | -                                | 294                                           |
| 15                                                   | 1                    | 92.6                    | 10                       | -                                | -                                | 653                                           |
| 16                                                   | 1                    | 77.1                    | 10                       | -                                | -                                | 550                                           |
| 17                                                   | 2                    | 81.1                    | 10                       | 1664                             | -                                | 566                                           |
| 18                                                   | 3                    | 68.4                    | 10                       | 1536                             | 1309                             | 580                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |



| Trial Number                                  |               |                  | 25                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 19                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5564              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 3             | 68.2             | 9                 | 1723                      | 1868                      | 471                                    |
| 2                                             | 3             | 83.7             | 9                 | 1711                      | 1405                      | 368                                    |
| 3                                             | 2             | 69.7             | 9                 | 1781                      | -                         | 425                                    |
| 4                                             | 1             | 59.7             | 9                 | -                         | -                         | 440                                    |
| 5                                             | 2             | 96.7             | 9                 | 1484                      | -                         | 123                                    |
| 6                                             | 2             | 95.8             | 9                 | 1319                      | -                         | 261                                    |
| 7                                             | 3             | 71.3             | 9                 | 1095                      | 1354                      | 332                                    |
| 8                                             | 3             | 53.2             | 9                 | 1527                      | 1427                      | 427                                    |
| 9                                             | 2             | 69.5             | 9                 | 1771                      | -                         | 397                                    |
| 10                                            | 3             | 63.9             | 9                 | 1075                      | 1447                      | 67                                     |
| 11                                            | 2             | 93.4             | 9                 | 1783                      | -                         | 174                                    |
| 12                                            | 2             | 77.3             | 9                 | 1564                      | -                         | 17                                     |
| 13                                            | 2             | 73.1             | 9                 | 1294                      | -                         | 216                                    |
| 14                                            | 1             | 77.4             | 9                 | -                         | -                         | 292                                    |
| 15                                            | 3             | 57.2             | 9                 | 1722                      | 1886                      | 619                                    |
| 16                                            | 2             | 68.7             | 9                 | 1629                      | -                         | 233                                    |
| 17                                            | 1             | 60.8             | 9                 | -                         | -                         | 226                                    |
| 18                                            | 3             | 69.7             | 9                 | 1128                      | 1224                      | 599                                    |
| 19                                            | 1             | 62.2             | 9                 | -                         | -                         | 433                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |



| <b>Trial Number</b>                           |                      |                         | 26                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 20                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5565                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 1                    | 80.5                    | 8                        | -                                | -                                | 90                                            |
| 2                                             | 3                    | 62.6                    | 8                        | 1406                             | 1343                             | 319                                           |
| 3                                             | 3                    | 85.6                    | 8                        | 1190                             | 1529                             | 384                                           |
| 4                                             | 2                    | 83.9                    | 8                        | 1208                             | -                                | 567                                           |
| 5                                             | 2                    | 92.4                    | 8                        | 1488                             | -                                | 234                                           |
| 6                                             | 2                    | 54                      | 8                        | 1529                             | -                                | 535                                           |
| 7                                             | 3                    | 81.3                    | 8                        | 1501                             | 1812                             | 325                                           |
| 8                                             | 1                    | 98.5                    | 8                        | -                                | -                                | 532                                           |
| 9                                             | 1                    | 85.8                    | 8                        | -                                | -                                | 272                                           |
| 10                                            | 2                    | 84.7                    | 8                        | 1593                             | -                                | 182                                           |
| 11                                            | 2                    | 83.3                    | 8                        | 1705                             | -                                | 134                                           |
| 12                                            | 2                    | 79.8                    | 8                        | 1567                             | -                                | 286                                           |
| 13                                            | 1                    | 77.9                    | 8                        | -                                | -                                | 368                                           |
| 14                                            | 3                    | 98.4                    | 8                        | 1510                             | 1569                             | 290                                           |
| 15                                            | 2                    | 79.9                    | 8                        | 1588                             | -                                | 231                                           |
| 16                                            | 3                    | 78                      | 8                        | 1140                             | 1353                             | 353                                           |
| 17                                            | 3                    | 55.2                    | 8                        | 1700                             | 1327                             | 53                                            |
| 18                                            | 3                    | 71.9                    | 8                        | 1081                             | 1224                             | 44                                            |
| 19                                            | 1                    | 62                      | 8                        | -                                | -                                | 298                                           |
| 20                                            | 3                    | 70.5                    | 8                        | 1888                             | 1442                             | 529                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                           |                      |                         | 27                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 8                        |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                 |                      |                         | 5561                     |                                  |                                  |                                               |
| <b>Burst</b>                                  | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                             | 2                    | 69.1                    | 18                       | 1076                             | -                                | 1436                                          |
| 2                                             | 2                    | 62.1                    | 18                       | 1688                             | -                                | 22                                            |
| 3                                             | 2                    | 94.8                    | 18                       | 1891                             | -                                | 897                                           |
| 4                                             | 1                    | 75.8                    | 18                       | -                                | -                                | 1186                                          |
| 5                                             | 2                    | 65.4                    | 18                       | 1713                             | -                                | 589                                           |
| 6                                             | 2                    | 97.7                    | 18                       | 1292                             | -                                | 614                                           |
| 7                                             | 3                    | 98.1                    | 18                       | 1670                             | 1711                             | 506                                           |
| 8                                             | 2                    | 85.4                    | 18                       | 1672                             | -                                | 776                                           |
| Detection Check (1=Detection; 0=No Detection) |                      |                         |                          |                                  |                                  | 1                                             |



| Trial Number                                  |               |                  | 28                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 9                 |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5560              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 3             | 82               | 19                | 1233                      | 1713                      | 679                                    |
| 2                                             | 3             | 87.7             | 19                | 1554                      | 1123                      | 473                                    |
| 3                                             | 2             | 98.9             | 19                | 1518                      | -                         | 869                                    |
| 4                                             | 1             | 55               | 19                | -                         | -                         | 719                                    |
| 5                                             | 1             | 93.6             | 19                | -                         | -                         | 902                                    |
| 6                                             | 2             | 58.7             | 19                | 1641                      | -                         | 1243                                   |
| 7                                             | 2             | 88.7             | 19                | 1387                      | -                         | 410                                    |
| 8                                             | 1             | 60.3             | 19                | -                         | -                         | 1154                                   |
| 9                                             | 1             | 97.7             | 19                | -                         | -                         | 512                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |

| Trial Number                                  |               |                  | 29                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 10                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5560              |                           |                           |                                        |
| Burst                                         | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1                                             | 1             | 69.6             | 20                | -                         | -                         | 1131                                   |
| 2                                             | 1             | 74.5             | 20                | -                         | -                         | 290                                    |
| 3                                             | 1             | 60.9             | 20                | -                         | -                         | 895                                    |
| 4                                             | 1             | 74.6             | 20                | -                         | -                         | 202                                    |
| 5                                             | 2             | 99.3             | 20                | 1501                      | -                         | 139                                    |
| 6                                             | 2             | 95.3             | 20                | 1065                      | -                         | 854                                    |
| 7                                             | 2             | 91.9             | 20                | 1722                      | -                         | 219                                    |
| 8                                             | 2             | 51               | 20                | 1285                      | -                         | 57                                     |
| 9                                             | 2             | 87.7             | 20                | 1747                      | -                         | 141                                    |
| 10                                            | 1             | 87.2             | 20                | -                         | -                         | 596                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 0                                      |



| <b>Trial Number</b>                                  |                      |                         | 30                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 11                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5566                     |                                  |                                  |                                               |
| <b>Burst</b>                                         | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1                                                    | 3                    | 59.9                    | 5                        | 1901                             | 1196                             | 935                                           |
| 2                                                    | 2                    | 77.1                    | 5                        | 1590                             | -                                | 1038                                          |
| 3                                                    | 2                    | 62.7                    | 5                        | 1227                             | -                                | 690                                           |
| 4                                                    | 1                    | 77.1                    | 5                        | -                                | -                                | 547                                           |
| 5                                                    | 3                    | 99.8                    | 5                        | 1798                             | 1790                             | 551                                           |
| 6                                                    | 2                    | 61.5                    | 5                        | 1135                             | -                                | 876                                           |
| 7                                                    | 2                    | 77.5                    | 5                        | 1583                             | -                                | 448                                           |
| 8                                                    | 2                    | 57.3                    | 5                        | 1890                             | -                                | 736                                           |
| 9                                                    | 2                    | 53.5                    | 5                        | 1757                             | -                                | 362                                           |
| 10                                                   | 1                    | 66.6                    | 5                        | -                                | -                                | 836                                           |
| 11                                                   | 3                    | 80.7                    | 5                        | 1811                             | 1289                             | 410                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |

**Type 6 Radar Statistical Performance**

| Trial #                  | Test Freq. (MHz) | Pulses / Hop | Pulse Width (us) | PRI (us) | 1=Detection<br>0=No Detection |
|--------------------------|------------------|--------------|------------------|----------|-------------------------------|
| 1                        | 5530             | 9            | 1                | 333      | 1                             |
| 2                        | 5530             | 9            | 1                | 333      | 1                             |
| 3                        | 5530             | 9            | 1                | 333      | 1                             |
| 4                        | 5530             | 9            | 1                | 333      | 1                             |
| 5                        | 5530             | 9            | 1                | 333      | 1                             |
| 6                        | 5530             | 9            | 1                | 333      | 1                             |
| 7                        | 5530             | 9            | 1                | 333      | 1                             |
| 8                        | 5530             | 9            | 1                | 333      | 1                             |
| 9                        | 5530             | 9            | 1                | 333      | 1                             |
| 10                       | 5530             | 9            | 1                | 333      | 1                             |
| 11                       | 5530             | 9            | 1                | 333      | 1                             |
| 12                       | 5530             | 9            | 1                | 333      | 1                             |
| 13                       | 5530             | 9            | 1                | 333      | 1                             |
| 14                       | 5530             | 9            | 1                | 333      | 1                             |
| 15                       | 5530             | 9            | 1                | 333      | 1                             |
| 16                       | 5530             | 9            | 1                | 333      | 1                             |
| 17                       | 5530             | 9            | 1                | 333      | 1                             |
| 18                       | 5530             | 9            | 1                | 333      | 1                             |
| 19                       | 5530             | 9            | 1                | 333      | 1                             |
| 20                       | 5530             | 9            | 1                | 333      | 1                             |
| 21                       | 5530             | 9            | 1                | 333      | 1                             |
| 22                       | 5530             | 9            | 1                | 333      | 1                             |
| 23                       | 5530             | 9            | 1                | 333      | 1                             |
| 24                       | 5530             | 9            | 1                | 333      | 1                             |
| 25                       | 5530             | 9            | 1                | 333      | 1                             |
| 26                       | 5530             | 9            | 1                | 333      | 1                             |
| 27                       | 5530             | 9            | 1                | 333      | 1                             |
| 28                       | 5530             | 9            | 1                | 333      | 1                             |
| 29                       | 5530             | 9            | 1                | 333      | 1                             |
| 30                       | 5530             | 9            | 1                | 333      | 1                             |
| Detection Percentage (%) |                  |              |                  |          | 100.000                       |
| Limit                    |                  |              |                  |          | 70%                           |
| Test Result              |                  |              |                  |          | Complied                      |

**For Extender****Modulation Mode: 802.11ax (HEW80)****Type 4 Radar Statistical Performance**

| <b>Trial #</b>           | <b>Test Freq. (MHz)</b> | <b>Pulse Width (us)</b> | <b>PRI (us)</b> | <b>Pulses / Burst</b> | <b>1=Detection<br/>0=No Detection</b> |
|--------------------------|-------------------------|-------------------------|-----------------|-----------------------|---------------------------------------|
| 1                        | 5528                    | 18.0                    | 242             | 15                    | 1                                     |
| 2                        | 5501                    | 19.9                    | 279             | 12                    | 1                                     |
| 3                        | 5538                    | 12.9                    | 487             | 14                    | 1                                     |
| 4                        | 5492                    | 15.0                    | 452             | 13                    | 0                                     |
| 5                        | 5558                    | 16.3                    | 230             | 12                    | 1                                     |
| 6                        | 5548                    | 19.8                    | 238             | 13                    | 1                                     |
| 7                        | 5555                    | 18.2                    | 420             | 16                    | 0                                     |
| 8                        | 5568                    | 16.3                    | 452             | 15                    | 1                                     |
| 9                        | 5502                    | 14.2                    | 495             | 12                    | 1                                     |
| 10                       | 5529                    | 17.8                    | 228             | 16                    | 1                                     |
| 11                       | 5554                    | 19.1                    | 211             | 16                    | 1                                     |
| 12                       | 5520                    | 18.4                    | 283             | 15                    | 1                                     |
| 13                       | 5545                    | 11.8                    | 411             | 12                    | 0                                     |
| 14                       | 5557                    | 14.2                    | 284             | 13                    | 1                                     |
| 15                       | 5510                    | 13.9                    | 202             | 12                    | 1                                     |
| 16                       | 5562                    | 17.8                    | 340             | 14                    | 1                                     |
| 17                       | 5495                    | 15.6                    | 290             | 16                    | 1                                     |
| 18                       | 5511                    | 14.6                    | 250             | 16                    | 1                                     |
| 19                       | 5560                    | 14.4                    | 484             | 15                    | 1                                     |
| 20                       | 5500                    | 18.9                    | 387             | 13                    | 0                                     |
| 21                       | 5503                    | 11.1                    | 348             | 15                    | 1                                     |
| 22                       | 5537                    | 13.8                    | 291             | 16                    | 1                                     |
| 23                       | 5514                    | 14.3                    | 295             | 12                    | 1                                     |
| 24                       | 5499                    | 12.5                    | 300             | 12                    | 1                                     |
| 25                       | 5505                    | 12.5                    | 322             | 14                    | 1                                     |
| 26                       | 5551                    | 12.5                    | 383             | 13                    | 0                                     |
| 27                       | 5533                    | 15.7                    | 322             | 16                    | 1                                     |
| 28                       | 5516                    | 19.8                    | 469             | 13                    | 1                                     |
| 29                       | 5507                    | 18.6                    | 406             | 15                    | 1                                     |
| 30                       | 5504                    | 15.9                    | 238             | 14                    | 1                                     |
| Detection Percentage (%) |                         |                         |                 |                       | 83.333                                |
| Limit                    |                         |                         |                 |                       | 60%                                   |
| Test Result              |                         |                         |                 |                       | Complied                              |



## 4 Test Equipment and Calibration Data

| Instrument              | Brand     | Model No. | Serial No.    | Characteristics | Calibration Date | Calibration Due Date | Remark             |
|-------------------------|-----------|-----------|---------------|-----------------|------------------|----------------------|--------------------|
| Spectrum Analyzer       | R&S       | FSV40     | 101026        | 9kHz~40GHz      | Nov. 25, 2022    | Nov. 24, 2023        | Radiated (DF01-CB) |
| Vector Signal generator | R&S       | SMU200A   | 102782        | 100kHz-6GHz     | Sep. 04, 2022    | Sep. 03, 2023        | Radiated (DF01-CB) |
| Horn Antenna            | COM-POWER | AH-118    | 071187        | 1GHz – 18GHz    | Sep. 16, 2022    | Sep. 15, 2023        | Radiated (DF01-CB) |
| Horn Antenna            | COM-POWER | AH-118    | 071042        | 1GHz – 18GHz    | Dec. 15, 2022    | Dec. 14, 2023        | Radiated (DF01-CB) |
| RF Power Divider        | MTJ       | 2 Way     | DF01-DV-03    | 1GHz ~ 8GHz     | Oct. 04, 2022    | Oct. 03, 2023        | Radiated (DF01-CB) |
| RF Power Divider        | MTJ       | 2 Way     | DF01-DV-02    | 1GHz ~ 8GHz     | Oct. 04, 2022    | Oct. 03, 2023        | Radiated (DF01-CB) |
| RF Power Divider        | MTJ       | 4 Way     | DF01-DV-01    | 1GHz ~ 6GHz     | Oct. 04, 2022    | Oct. 03, 2023        | Radiated (DF01-CB) |
| RF Cable-high           | Woken     | RG402     | High Cable-57 | 1 GHz –18 GHz   | Oct. 03, 2022    | Oct. 02, 2023        | Radiated (DF01-CB) |
| RF Cable-high           | Woken     | RG402     | High Cable-58 | 1 GHz –18 GHz   | Oct. 03, 2022    | Oct. 02, 2023        | Radiated (DF01-CB) |
| RF Cable-high           | Woken     | RG402     | High Cable-59 | 1 GHz –18 GHz   | Oct. 03, 2022    | Oct. 02, 2023        | Radiated (DF01-CB) |

Note: Calibration Interval of instruments listed above is one year.





## 5 Measurement Uncertainty

| Test Items        | Uncertainty | Remark                   |
|-------------------|-------------|--------------------------|
| Radiated Emission | 3.6 dB      | Confidence levels of 95% |