



# FCC DFS TEST REPORT

FCC ID : TE7RE200V4  
Equipment : AC750 Wi-Fi Range Extender  
Brand Name : tp-link  
Model Name : RE200/RE220  
Applicant : TP-Link Technologies Co., Ltd.  
Building 24 (floors 1,3,4,5) and 28  
(floors1-4),Central Science and Technology  
Park,Nanshan , Shenzhen,518057 , China  
Manufacturer : TP-Link Technologies Co., Ltd.  
Building 24 (floors 1,3,4,5) and 28  
(floors1-4),Central Science and Technology  
Park,Nanshan , Shenzhen,518057 , China  
Standard : 47 CFR FCC Part 15.407

The product was received on Aug. 26, 2019, and testing was started from Sep. 19, 2019 and completed on Sep. 28, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

  
Approved by: Cliff Chang

**SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory**  
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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### Appendix A. Test Photos

#### Photographs of EUT v01



TEL : 886-3-656-9065  
FAX : 886-3-656-9085  
Report Template No.: CB Ver1.0

## 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               | -      |
| 3.1.4                                                                                                                     | FCC KDB 905462 8.1     | User Access Restrictions                                                 | PASS               | -      |
| Note: Repeater mode, only Statistical Performance Check (Section 7.8.4) on one of the radar types is required to perform. |                        |                                                                          |                    |        |

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

**Reviewed by: Sam Chen**

**Report Producer: Sandy Chuang**



# 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 Internal Power Supply                                     |                                                                                                       |                                               |
| Channel Bandwidth                                                                                                                                                                                                                                                                                                                                           | 20/40/80 MHz operating channel bandwidth                       |                                                                                                       |                                               |
| Operating Mode                                                                                                                                                                                                                                                                                                                                              | <input checked="" type="checkbox"/>                            | AP (Master)                                                                                           |                                               |
|                                                                                                                                                                                                                                                                                                                                                             | <input checked="" type="checkbox"/>                            | Repeater (Master + Client without radar detection)<br>Please refer to Sporton test report: FZ982620AB |                                               |
|                                                                                                                                                                                                                                                                                                                                                             | <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 |
| Power-on cycle                                                                                                                                                                                                                                                                                                                                              | 80MHz: Requires 43.478 seconds to complete its power-on cycle. |                                                                                                       |                                               |
| Software / Firmware Version                                                                                                                                                                                                                                                                                                                                 | 1.0.0 Build 20181120 Rel. 60901(8583)                          |                                                                                                       |                                               |
| <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>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)_1TX       | -                  | -                  | -                 | -                 |
| 5.25-5.35GHz                   | 15.62              | 21.62              | 17.90             | 23.90             |
| 5.47-5.725GHz                  | 14.41              | 20.41              | 17.16             | 23.16             |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | -                  | -                  | -                 | -                 |
| 5.25-5.35GHz                   | 15.63              | 21.63              | 17.91             | 23.91             |
| 5.47-5.725GHz                  | 14.67              | 20.67              | 17.42             | 23.42             |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | -                  | -                  | -                 | -                 |
| 5.25-5.35GHz                   | 15.55              | 21.55              | 17.83             | 23.83             |
| 5.47-5.725GHz                  | 13.45              | 19.45              | 16.20             | 22.20             |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | -                  | -                  | -                 | -                 |
| 5.25-5.35GHz                   | 10.01              | 16.01              | 12.29             | 18.29             |
| 5.47-5.725GHz                  | 15.61              | 21.61              | 18.36             | 24.36             |

**1.1.2 Antenna Information**

| Ant. | Port | Brand   | Model Name | Antenna Type | Connector | Gain (dBi) |             |             |             |             |
|------|------|---------|------------|--------------|-----------|------------|-------------|-------------|-------------|-------------|
|      |      |         |            |              |           | 2.4GHz     | 5GHz Band 1 | 5GHz Band 2 | 5GHz Band 3 | 5GHz Band 4 |
| 1    | 1    | TP-Link | N/A        | Printed      | N/A       | 1.95       | -           | -           | -           | -           |
| 2    | 2    | TP-Link | N/A        | Printed      | N/A       | 1.96       | -           | -           | -           | -           |
| 3    | 1    | TP-Link | N/A        | Printed      | N/A       | -          | 2.50        | 2.28        | 2.75        | 2.98        |

Note: The above information was declared by manufacturer.

**<For 2.4GHz Band>**

For IEEE 802.11b/g/n mode (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 Band>**

For IEEE 802.11a/n/ac mode (1TX/1RX)

Only Port 1 can be used as transmitting/receiving antenna.

### 1.1.3 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.

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

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

| 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  | 120         | 5600 MHz  |
|                         | 102         | 5510 MHz  | 122         | 5610 MHz  |
|                         | 104         | 5520 MHz  | 124         | 5620 MHz  |
|                         | 106         | 5530 MHz  | 126         | 5630 MHz  |
|                         | 108         | 5540 MHz  | 128         | 5640 MHz  |
|                         | 110         | 5550 MHz  | 132         | 5660 MHz  |
|                         | 112         | 5560 MHz  | 134         | 5670 MHz  |
|                         | 116         | 5580 MHz  | 136         | 5680 MHz  |
|                         | 118         | 5590 MHz  | 140         | 5700 MHz  |

### 1.1.4 Table for EUT support function

| Function                                                |
|---------------------------------------------------------|
| AP (Master) Mode                                        |
| Repeater (Master + Client without radar detection) Mode |

Note 1: The test results of AP (Master) function was recorded in this report.

Note 2: The test results of Repeater (Client without radar detection) function please refer to Sporton test report: FZ982620AB.

### 1.1.5 Table for Multiple Listing

The EUT has two model names which are identical to each other in all aspects except for the following table:

| Model Name | Description                                                                           |
|------------|---------------------------------------------------------------------------------------|
| RE200      | All the models are identical, the difference model for difference marketing strategy. |
| RE220      |                                                                                       |

From the above models, model: RE200 was selected as representative model for the test and its data was recorded in this report.





## 1.2 Accessories

N/A

## 1.3 Support Equipment

For AP Mode:

| Support Equipment |             |            |            |            |
|-------------------|-------------|------------|------------|------------|
| No.               | Equipment   | Brand Name | Model Name | FCC ID     |
| A                 | Notebook    | DELL       | E4300      | N/A        |
| B                 | Notebook    | DELL       | E4300      | N/A        |
| C                 | WLAN Dongle | LINKSYS    | AE6000     | Q87-AE6000 |

For Repeater Mode:

| Support Equipment |             |            |            |             |
|-------------------|-------------|------------|------------|-------------|
| No.               | Equipment   | Brand Name | Model Name | FCC ID      |
| A                 | Notebook    | DELL       | E4300      | N/A         |
| B                 | Notebook    | DELL       | E4300      | N/A         |
| C                 | WLAN Dongle | LINKSYS    | AE6000     | Q87-AE6000  |
| D                 | AP          | ASUS       | AX88U      | MSQ-RTAXP00 |

## 1.4 Applicable Standards

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

- FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

## 1.5 Testing Location Information

| Testing Location                                                                       |        |                                                                                                                               |               |                                  |
|----------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------|
| <input type="checkbox"/>                                                               | HWA YA | ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)<br>TEL : 886-3-327-3456 FAX : 886-3-327-0973        |               |                                  |
| <input checked="" type="checkbox"/>                                                    | JHUBEI | ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.<br>TEL : 886-3-656-9065 FAX : 886-3-656-9085 |               |                                  |
| Test Condition                                                                         |        | Test Site No.                                                                                                                 | Test Engineer | Test Environment                 |
| DFS Site<br>(AP Mode (All Test))                                                       |        | DF01-CB                                                                                                                       | Kevin Huang   | 23.4-25.4°C / 57-58%             |
| DFS Site<br>(Repeater Mode (only<br>Statistical Performance<br>Check (Section 7.8.4))) |        | DF01-CB                                                                                                                       | Kevin Huang   | 23.4-25.4°C / 57-59%             |
|                                                                                        |        |                                                                                                                               |               | Test Date                        |
|                                                                                        |        |                                                                                                                               |               | Sep. 19, 2019~<br>Sept. 27, 2019 |
|                                                                                        |        |                                                                                                                               |               | Sept. 28, 2019                   |

Test site Designation No. TW0006 with FCC

Test site registered number IC 4086D with Industry Canada.



## 2 Test Configuration of EUT

### 2.1 Test Channel Frequencies Configuration

| Test Channel Frequencies Configuration |                          |
|----------------------------------------|--------------------------|
| IEEE Std.                              | Test Channel Freq. (MHz) |
| 802.11ac (VHT20)                       | 5500 MHz                 |
| 802.11ac (VHT40)                       | 5510 MHz                 |
| 802.11ac (VHT80)                       | 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                                      | Radiated measurement<br>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. |                                                                    |
| Modulation Mode                                     | 802.11ac (VHT20), 802.11ac (VHT40), 802.11ac (VHT80)                                                                                                                                                                                                                                                                                                                      |                                                                    |
| Test Mode                                           | 1                                                                                                                                                                                                                                                                                                                                                                         | AP Mode (All Test)                                                 |
|                                                     | 2                                                                                                                                                                                                                                                                                                                                                                         | Repeater Mode (only Statistical Performance Check (Section 7.8.4)) |

### 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

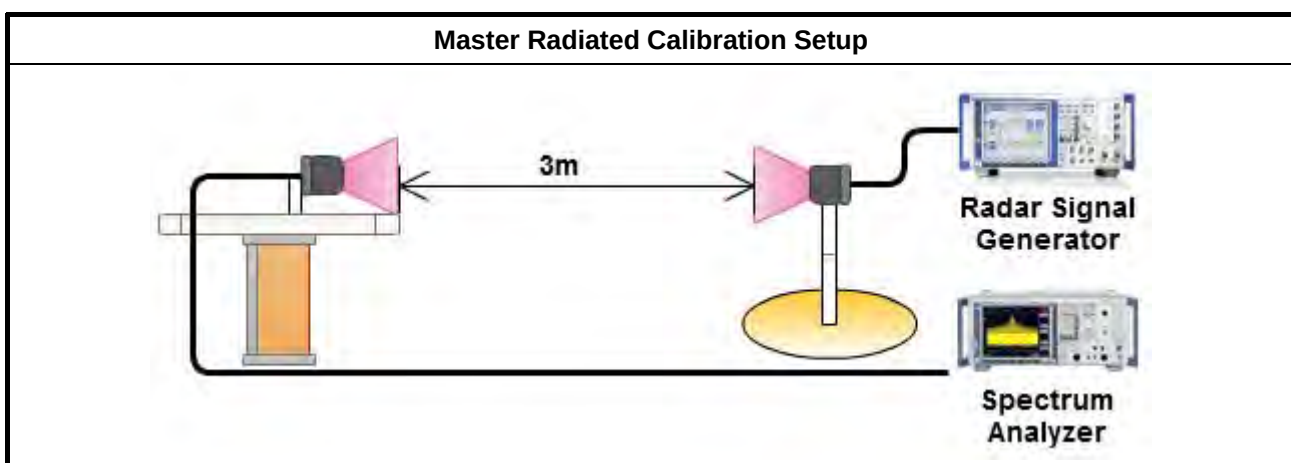
| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (ms) | Minimum Percentage of Successful Detection | Minimum Trials |
|------------|--------------------|------------|----------------|--------------------|------------------------------|--------------------------------------------|----------------|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

The FCC Type 6 waveform uses a static waveform with 100 bursts in the instruments ARB. In addition, the RF list mode is operated with a list containing 100 frequencies from a randomly generated list and it had be ensured that at least one of the random frequencies falls into the UNII Detection Bandwidth of the DUT. Each burst from the waveform file initiates a trigger pulse at the beginning that switches the RF list from one item to the next one.

### 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

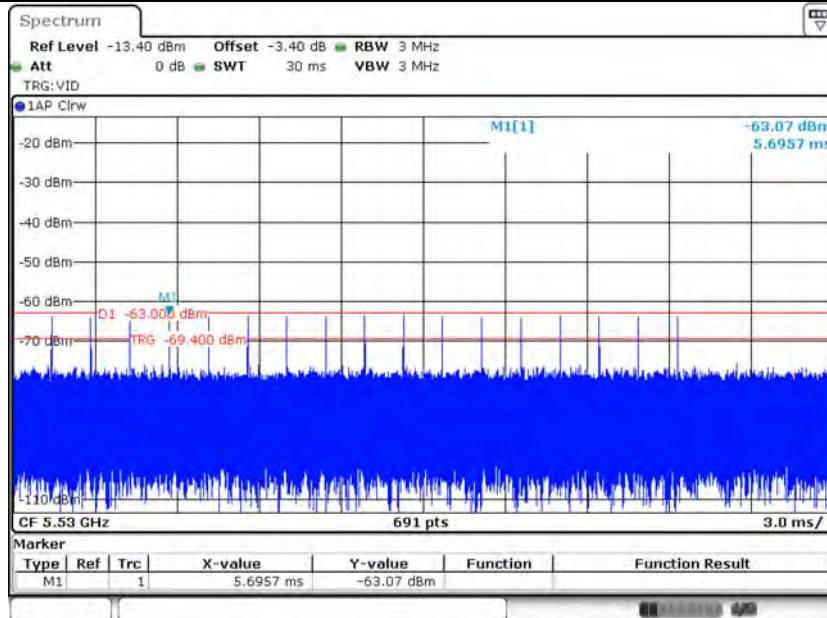




### 3.2.6 Radar Waveform calibration Plot

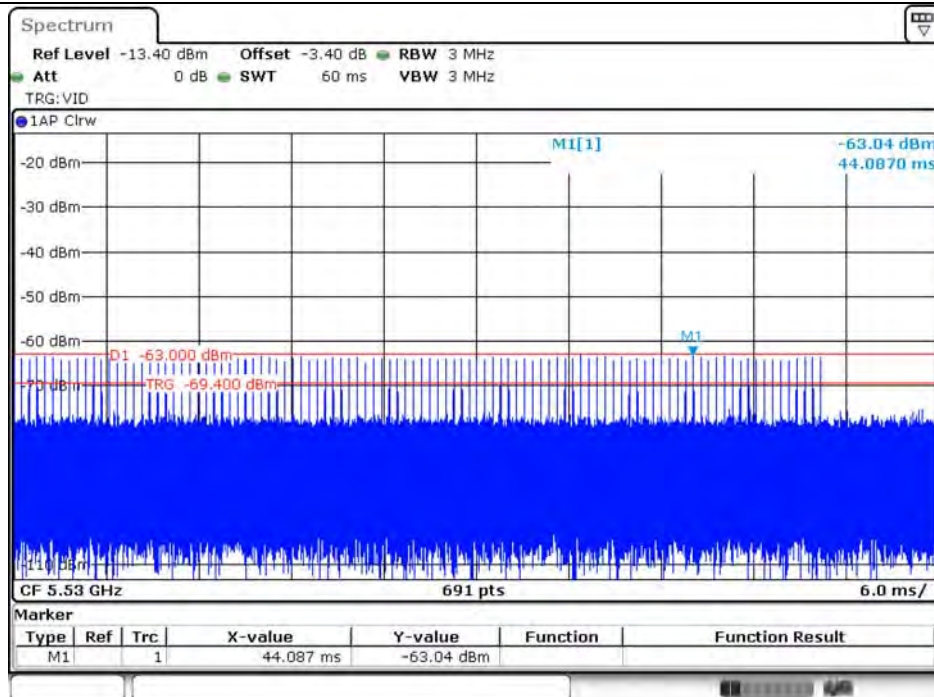
Test Frequency: 5530 MHz

Radar #0 DFS detection threshold level



Date: 28.SEP.2019 05:45:10

Radar #1 DFS detection threshold level

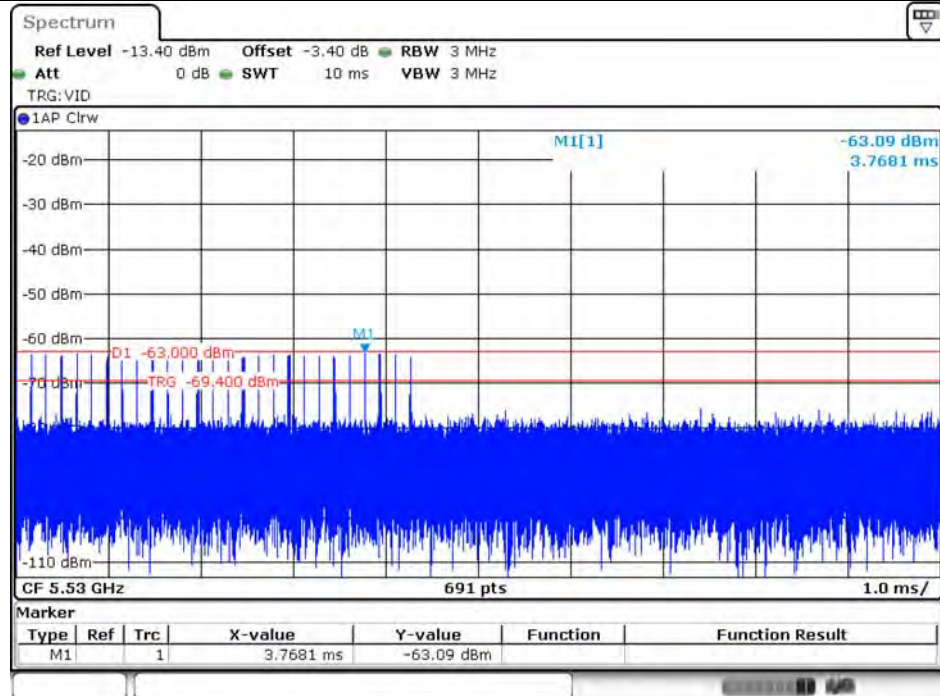


Date: 28.SEP.2019 05:46:36



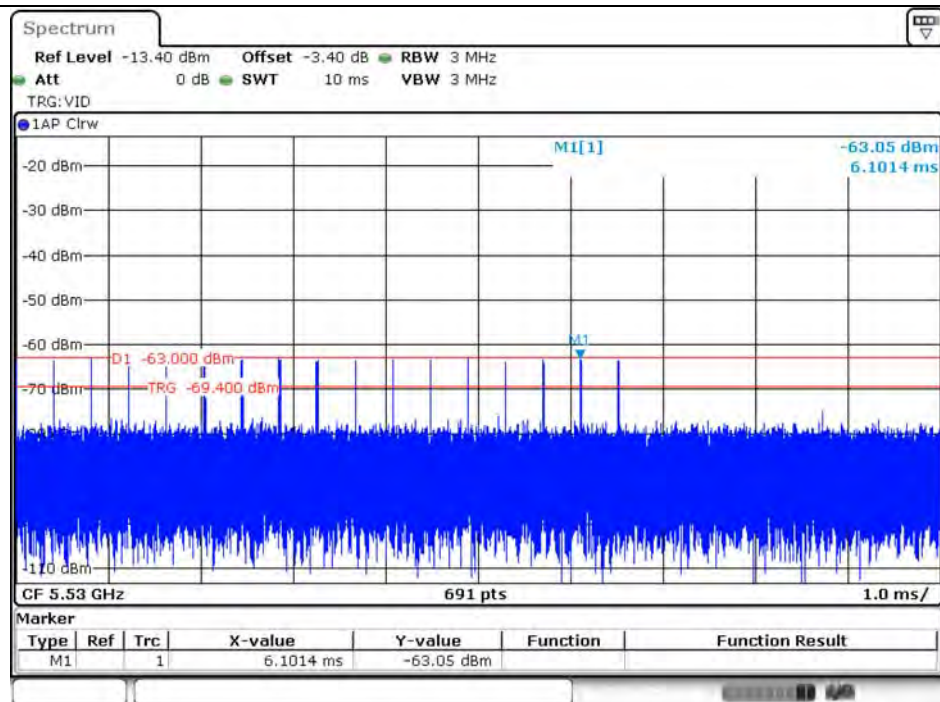


Radar #2 DFS detection threshold level



Date: 28.SEP.2019 05:48:07

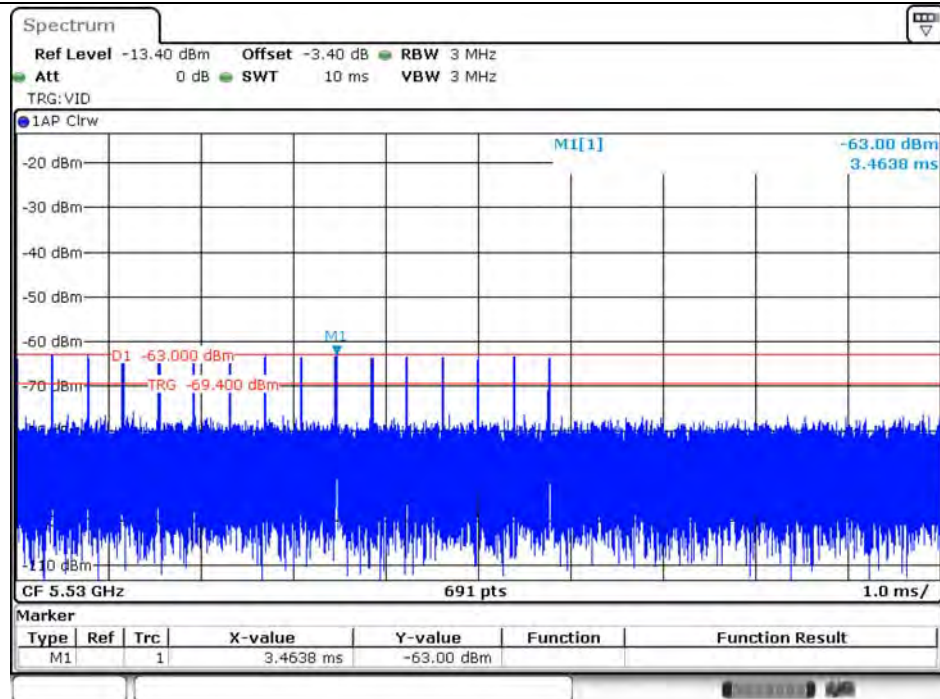
Radar #3 DFS detection threshold level



Date: 28.SEP.2019 05:48:28

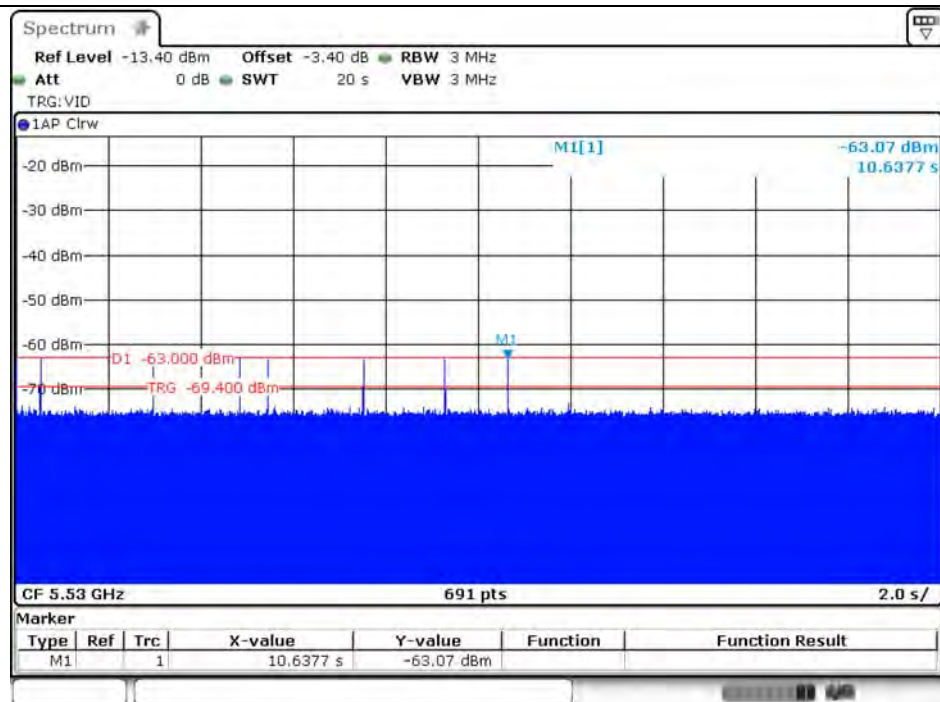


### Radar #4 DFS detection threshold level



Date: 28.SEP.2019 05:49:07

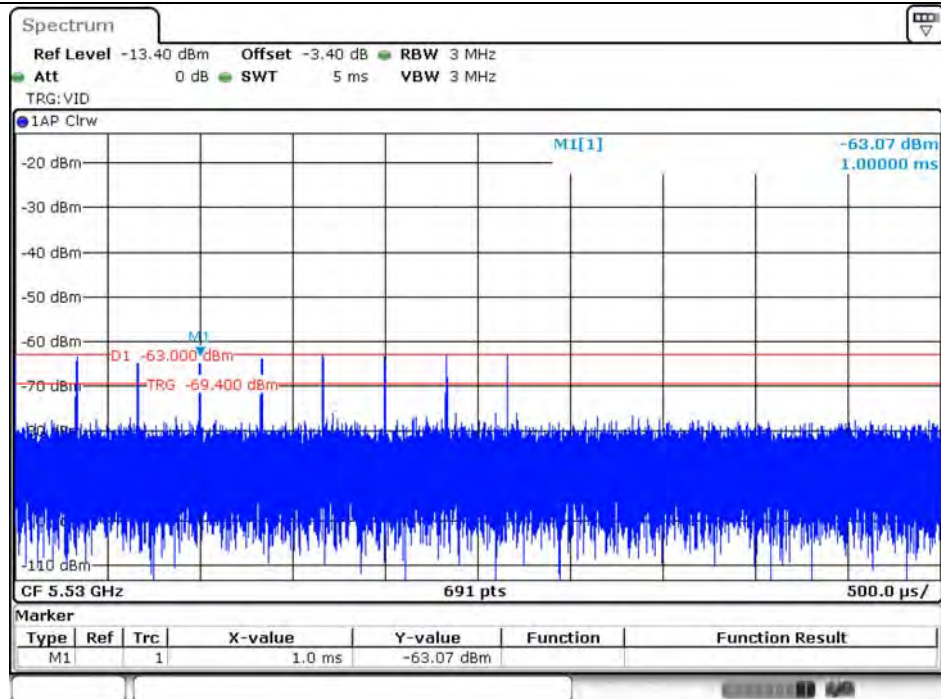
### Radar #5 DFS detection threshold level



Date: 28.SEP.2019 05:50:18



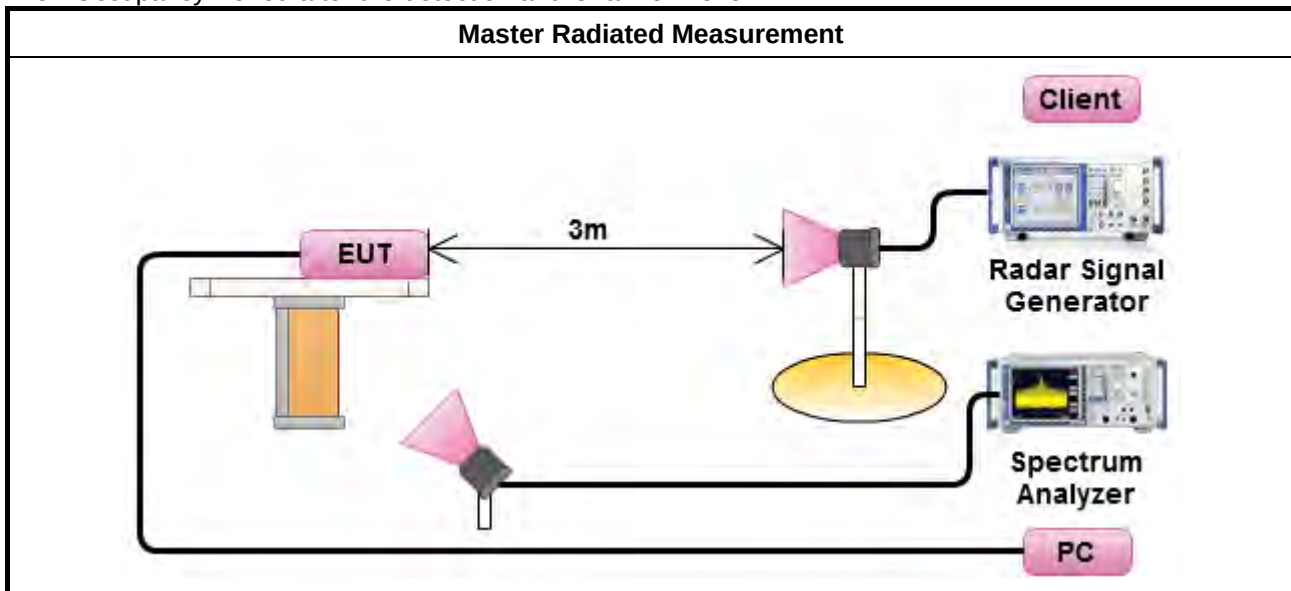
Radar #6 DFS detection threshold level



Date: 28.SEP.2019 05:52:52

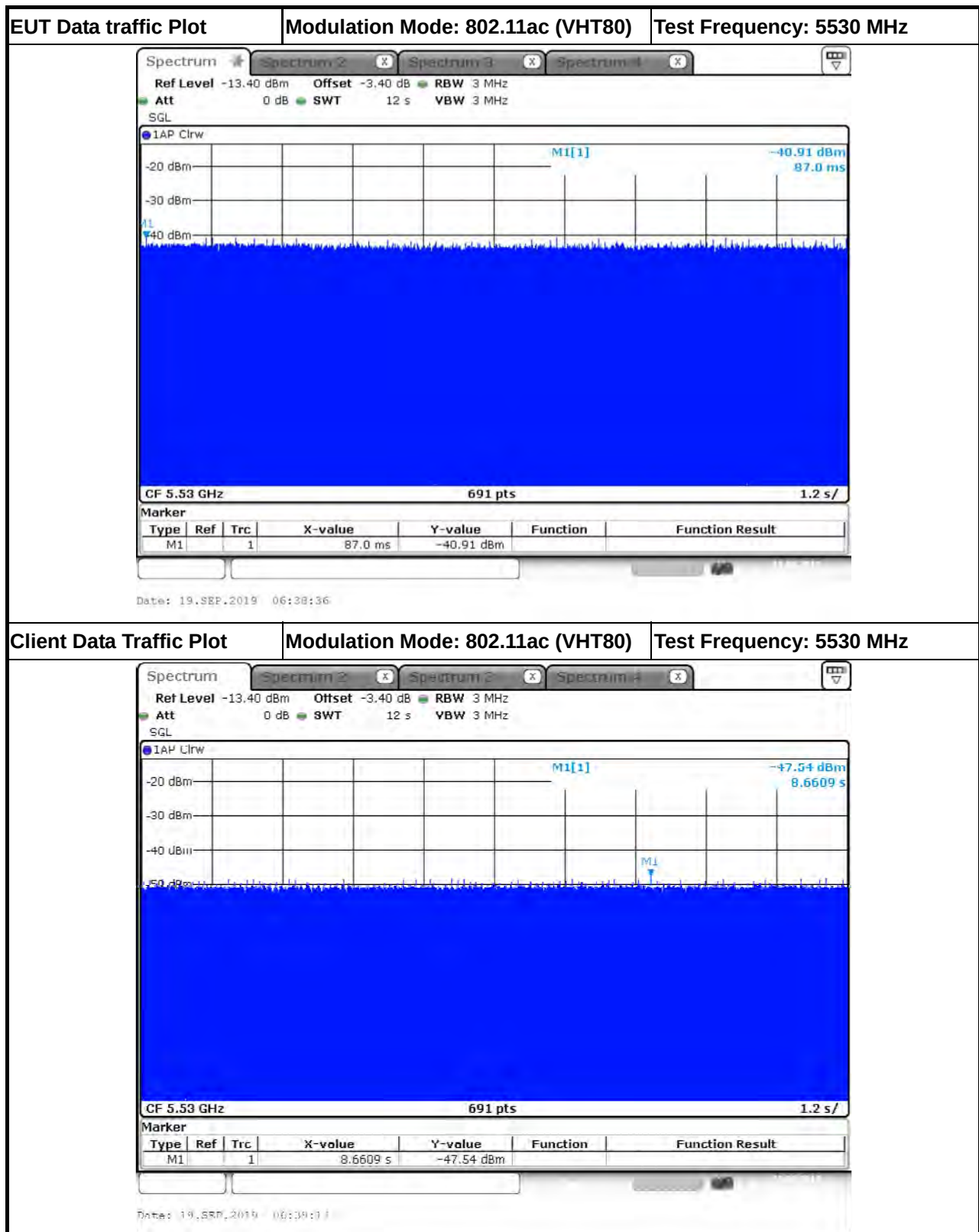
### 3.2.7 Test Setup

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.

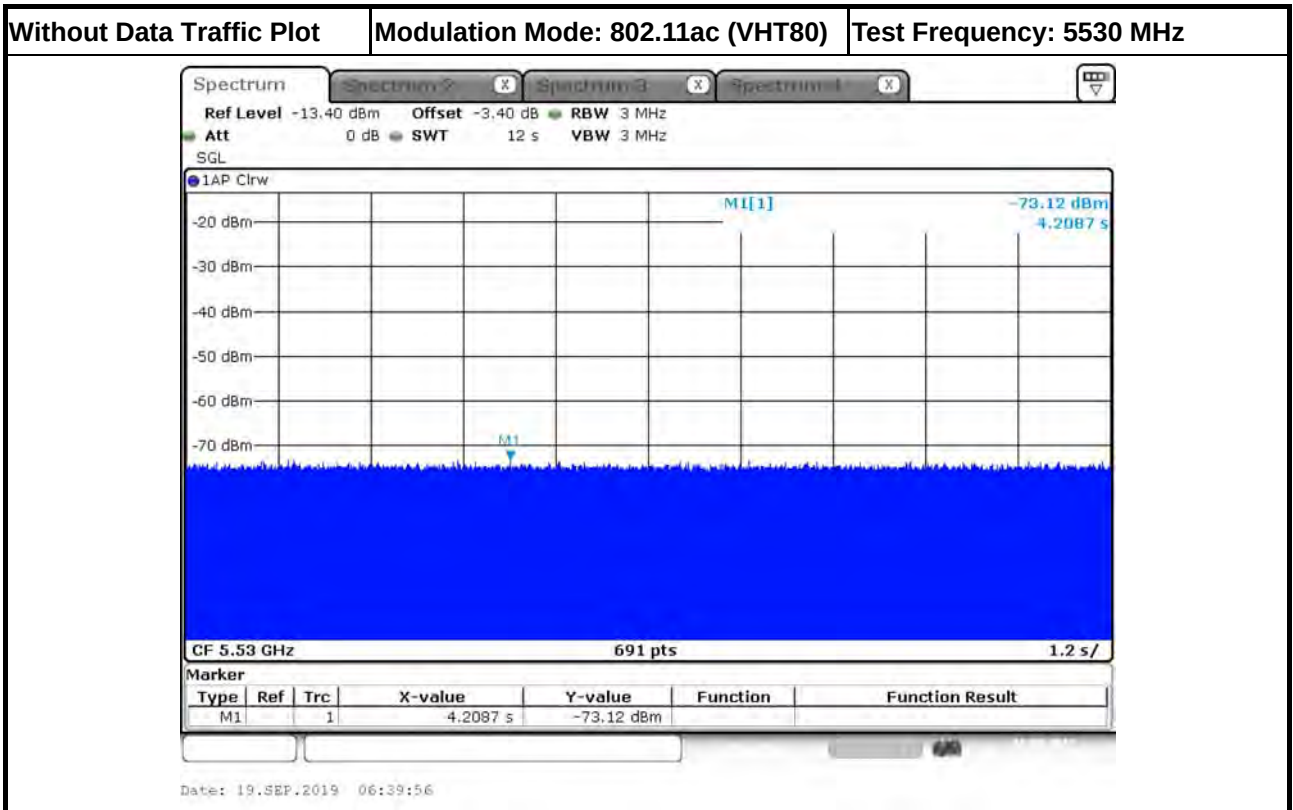




## 3.2.8 Data traffic Plot









### 3.3 UNII Detection Bandwidth

#### 3.3.1 UNII Detection Bandwidth Limit

| Channel Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | UNII Detection Bandwidth Min. Limit (MHz) |
|-------------------------|------------------------------|-------------------------------------------|
| 20                      | 17.279                       | 18                                        |
| 40                      | 36.468                       | 37                                        |
| 80                      | 74.095                       | 75                                        |

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**

| 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                                                   | 1 | 1 | 1 | 1 | 0 | 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 (FH)                                                             | 1                                                   | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1  | 90                 |
| 5510                                                                  | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| Radar Type 0-Detection Bandwidth (MHz) = (FH-FL) = (5509MHz-5490MHz)= |                                                     |   |   |   |   |   |   |   |   |    | 19                 |
| UNII Detection Bandwidth Min. Limit (MHz) =                           |                                                     |   |   |   |   |   |   |   |   |    | 18                 |
| <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 | 0 | 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                |
| 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 | 0  | 90                 |
| 5530 (FH)                                                             | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 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                 |
| UNII Detection Bandwidth Min. Limit (MHz) =                           |                                                     |   |   |   |   |   |   |   |   |    | 37                 |
| <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 |                    |
| 5489                                                                  | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| 5490 (FL)                                                             | 1                                                   | 1 | 0 | 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                |
| 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                |
| 5567                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5568                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5569                                                                  | 1                                                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 100                |
| 5570 (FH)                                                             | 1                                                   | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1  | 90                 |
| 5571                                                                  | 0                                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| Radar Type 0-Detection Bandwidth (MHz) = (FH-FL) = (5570MHz-5490MHz)= |                                                     |   |   |   |   |   |   |   |   |    | 80                 |
| UNII Detection Bandwidth Min. Limit (MHz) =                           |                                                     |   |   |   |   |   |   |   |   |    | 75                 |
| <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

| Modulation Mode  | Freq.    | Radar Test Signal |
|------------------|----------|-------------------|
| 802.11ac (VHT80) | 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 (43.478 sec). The initial CAC time of the EUT is indicated by marker 1 (43.478 sec). Initial beacons/data transmissions are indicated by marker 2 (103.478 sec).

Spectrum

Ref Level -13.40 dBm

Offset -3.40 dB

RBW 3 MHz

Att 0 dB

SWT 300 s

VBW 3 MHz

SGL

1AP Clrw

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

M1[1]

M2[1]

M2

M1

-74.31 dBm

-43.478 s

-43.63 dBm

103.478 s

CF 5.53 GHz

691 pts

30.0 s/

Marker

| Type | Ref | Trc | X-value   | Y-value    | Function | Function Result |
|------|-----|-----|-----------|------------|----------|-----------------|
| M1   |     | 1   | 43.478 s  | -74.31 dBm |          |                 |
| M2   |     | 1   | 103.478 s | -43.63 dBm |          |                 |

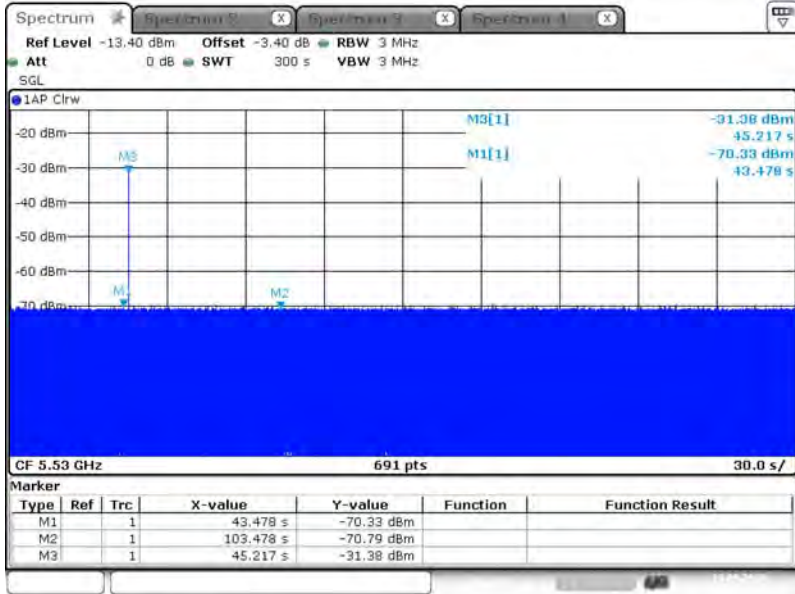
Date: 19.SEP.2019 03:40:51

|             |          |
|-------------|----------|
| Test Result | Complied |
|-------------|----------|

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

| Modulation Mode  | Freq. (MHz) | Radar Type Signal |
|------------------|-------------|-------------------|
| 802.11ac (VHT80) | 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 254.783 seconds after the radar Burst has been generated. Verify that during the 300 seconds measurement window no EUT transmissions occurred.



| Type | Ref | Trc | X-value   | Y-value    | Function | Function Result |
|------|-----|-----|-----------|------------|----------|-----------------|
| M1   | 1   |     | 43.478 s  | -70.33 dBm |          |                 |
| M2   | 1   |     | 103.478 s | -70.79 dBm |          |                 |
| M3   | 1   |     | 45.217 s  | -31.38 dBm |          |                 |

Date: 19.SEP.2019 06:32:57

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



Visual indication on the EUT of successful detection of the radar Burst will be recorded and reported. Observation of emissions will continue for 198.696 seconds after the radar Burst has been generated. Verify that during the 300 seconds measurement window no EUT transmissions occurred.



TEL : 886-3-656-9065  
FAX : 886-3-656-9085  
Report Template No.: CB Ver1.0



### 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

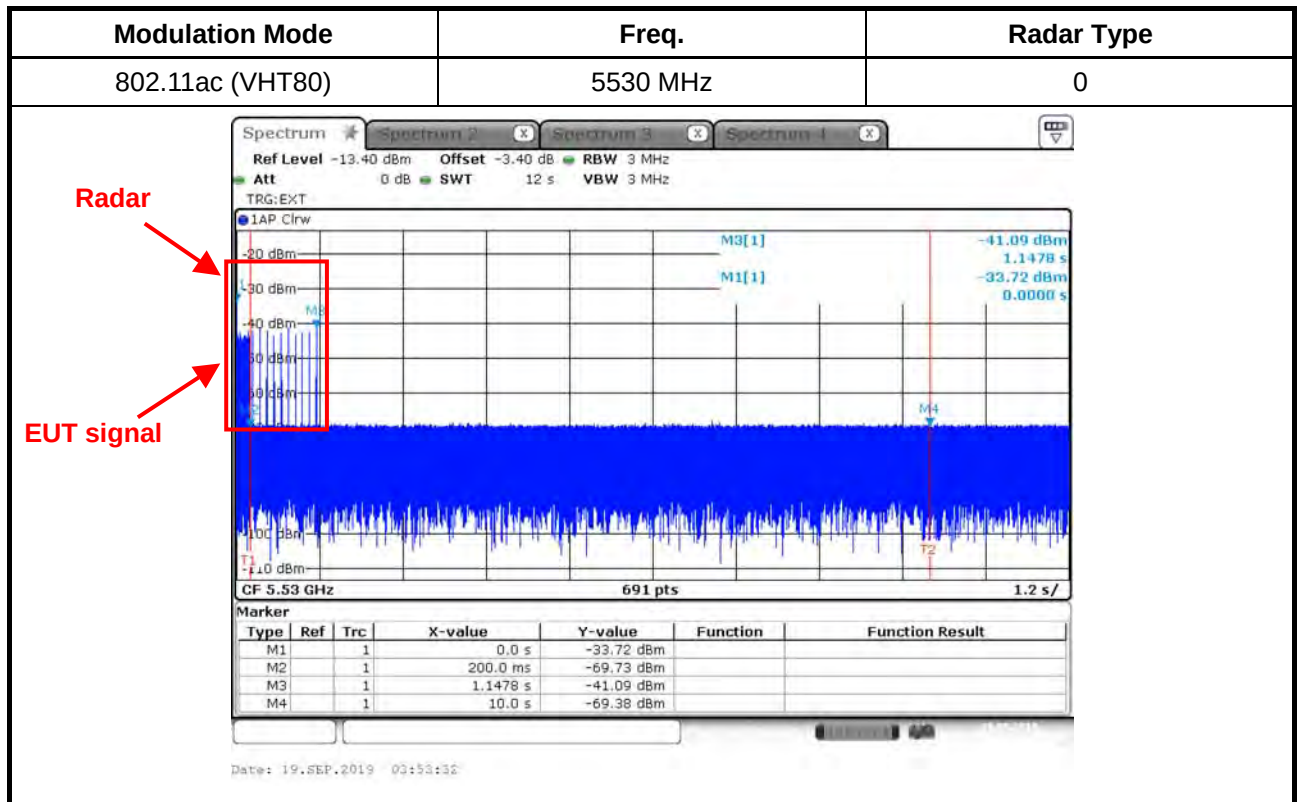
Refer a test equipment and calibration data table in this test report.

#### 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****Modulation Mode: 802.11ac (VHT80)**

| Parameter                | Test Result | Limit |
|--------------------------|-------------|-------|
|                          | Type 0      |       |
| Test Channel (MHz)       | 5530 MHz    | -     |
| Channel Move Time (sec.) | 1.147       | < 10s |



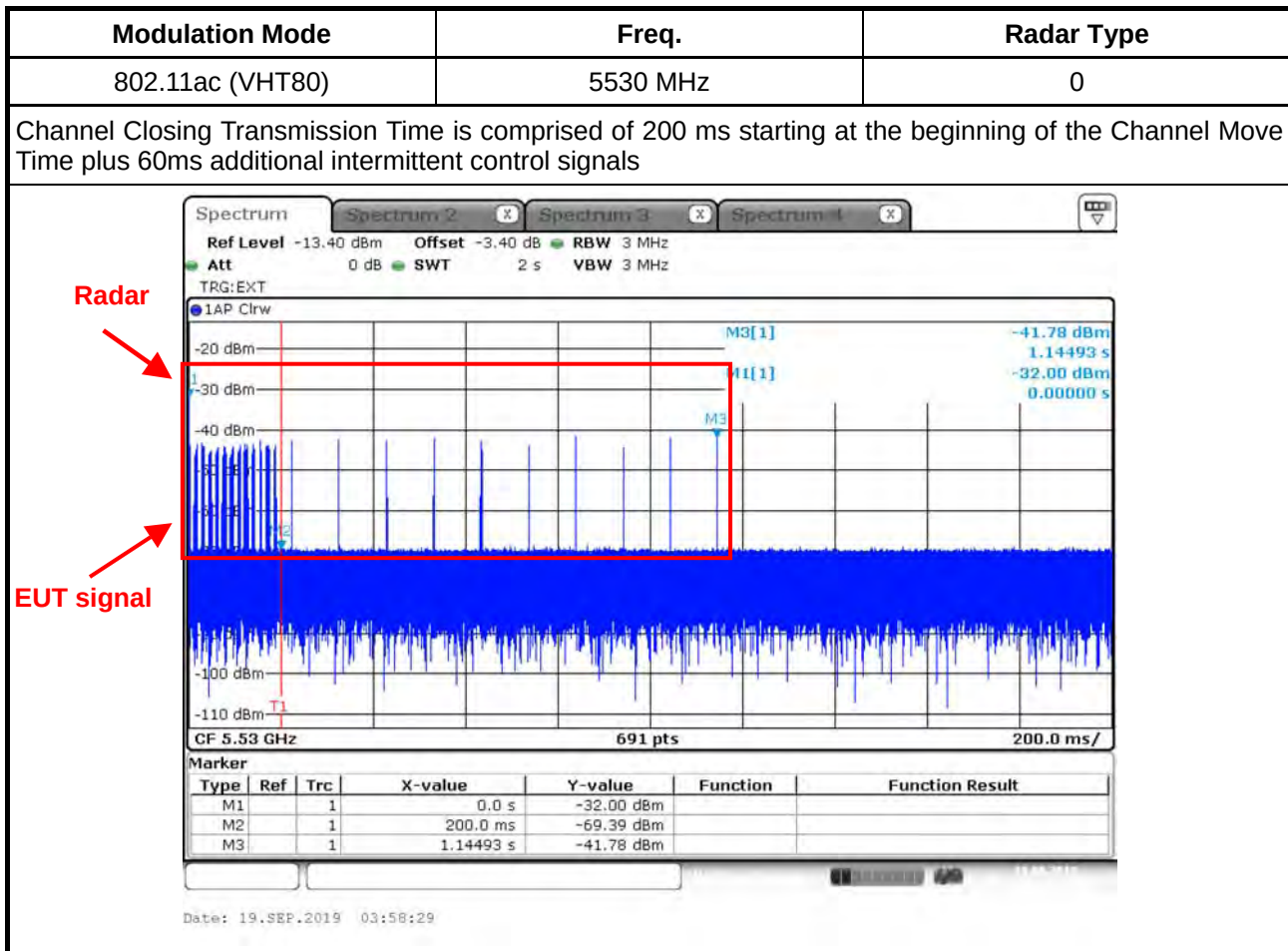


### 3.5.5 Test Result of Channel Closing Transmission Time

Modulation Mode: 802.11ac (VHT80)

| Parameter                                     | Test Result | Limit  |
|-----------------------------------------------|-------------|--------|
|                                               | Type 0      |        |
| Test Channel (MHz)                            | 5530 MHz    | -      |
| Channel Closing Transmission Time (ms) (Note) | 31.884      | < 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

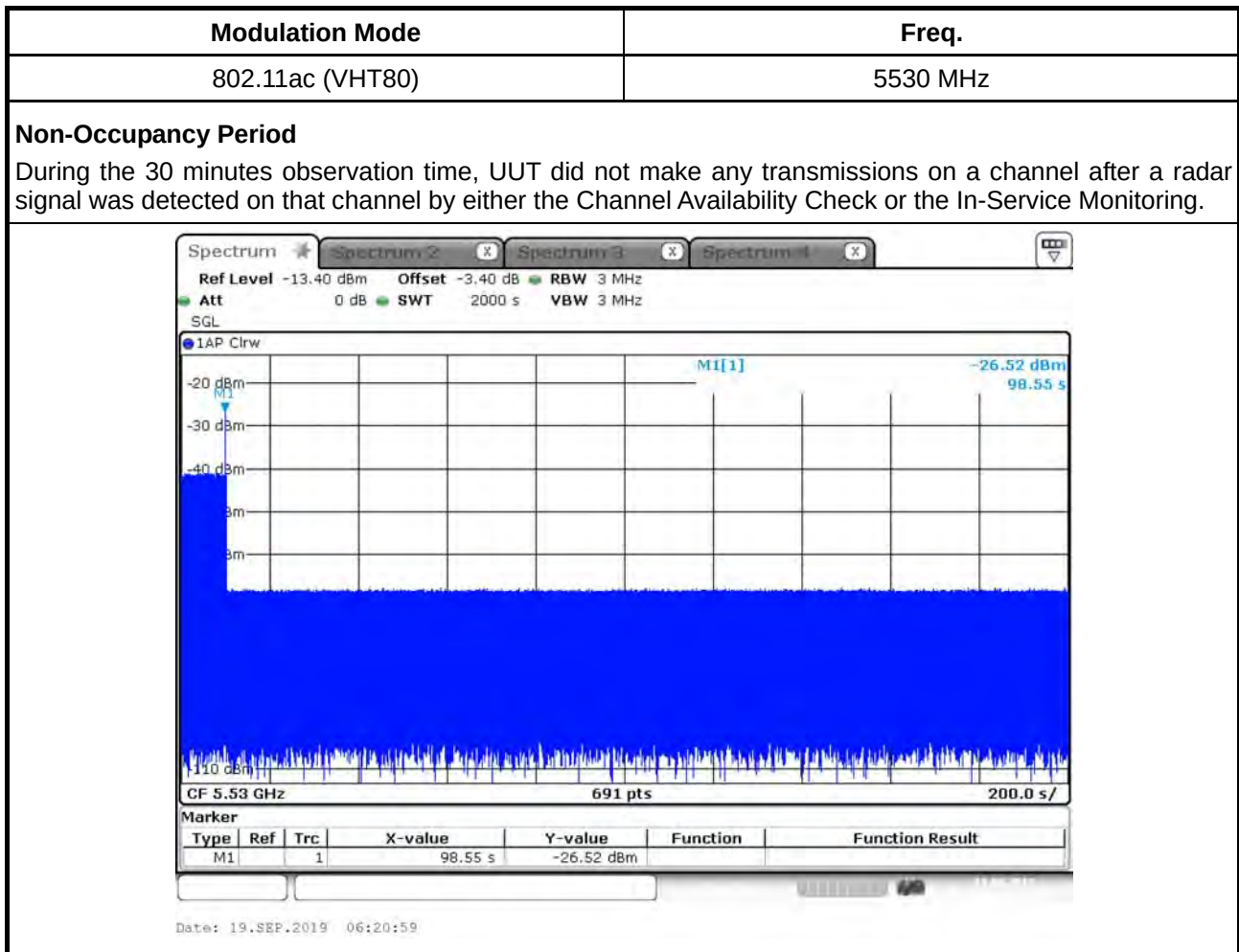
N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission

Dwell (2.899 ms)= S (2000 ms) / B (690)

C (31.884 ms) = N (11) X Dwell (2.899 ms)

**3.5.6 Test Result of Non-Occupancy Period****Modulation Mode: 802.11ac (VHT80)**

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







### 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**

Modulation Mode: 802.11ac (VHT20)

**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                        | 5506             | 1                                    | 1930.5                                              | 518      | 1                             |
| 2                        | 5504             | 23                                   | 326.2                                               | 3066     | 1                             |
| 3                        | 5492             | 19                                   | 1139.0                                              | 878      | 1                             |
| 4                        | 5494             | 12                                   | 1355.0                                              | 738      | 1                             |
| 5                        | 5502             | 4                                    | 1730.1                                              | 578      | 1                             |
| 6                        | 5502             | 8                                    | 1519.8                                              | 658      | 1                             |
| 7                        | 5503             | 15                                   | 1253.1                                              | 798      | 1                             |
| 8                        | 5496             | 6                                    | 1618.1                                              | 618      | 1                             |
| 9                        | 5504             | 14                                   | 1285.3                                              | 778      | 1                             |
| 10                       | 5499             | 3                                    | 1792.1                                              | 558      | 1                             |
| 11                       | 5496             | 13                                   | 1319.3                                              | 758      | 1                             |
| 12                       | 5499             | 9                                    | 1474.9                                              | 678      | 1                             |
| 13                       | 5500             | 7                                    | 1567.4                                              | 638      | 1                             |
| 14                       | 5494             | 17                                   | 1193.3                                              | 838      | 0                             |
| 15                       | 5490             | 10                                   | 1432.7                                              | 698      | 1                             |
| 16                       | 5500             | -                                    | 1692.0                                              | 591      | 1                             |
| 17                       | 5494             | -                                    | 328.1                                               | 3048     | 1                             |
| 18                       | 5501             | -                                    | 373.4                                               | 2678     | 1                             |
| 19                       | 5494             | -                                    | 574.4                                               | 1741     | 0                             |
| 20                       | 5496             | -                                    | 1216.5                                              | 822      | 1                             |
| 21                       | 5502             | -                                    | 801.3                                               | 1248     | 1                             |
| 22                       | 5496             | -                                    | 488.5                                               | 2047     | 1                             |
| 23                       | 5493             | -                                    | 956.0                                               | 1046     | 1                             |
| 24                       | 5498             | -                                    | 517.6                                               | 1932     | 1                             |
| 25                       | 5505             | -                                    | 1422.5                                              | 703      | 0                             |
| 26                       | 5497             | -                                    | 542.0                                               | 1845     | 1                             |
| 27                       | 5504             | -                                    | 741.3                                               | 1349     | 1                             |
| 28                       | 5501             | -                                    | 881.8                                               | 1134     | 1                             |
| 29                       | 5508             | -                                    | 427.4                                               | 2340     | 1                             |
| 30                       | 5507             | -                                    | 628.9                                               | 1590     | 1                             |
| Detection Percentage (%) |                  |                                      |                                                     |          | 90.000                        |
| Limit                    |                  |                                      |                                                     |          | 60%                           |
| <b>Test Result</b>       |                  |                                      |                                                     |          | <b>Complied</b>               |

**Type 2 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                        | 5508                    | 2.6                     | 221             | 23                    | 1                                     |
| 2                        | 5503                    | 4.6                     | 198             | 27                    | 1                                     |
| 3                        | 5505                    | 1.1                     | 184             | 29                    | 1                                     |
| 4                        | 5494                    | 4.8                     | 203             | 24                    | 0                                     |
| 5                        | 5501                    | 2.4                     | 162             | 25                    | 1                                     |
| 6                        | 5498                    | 3.4                     | 204             | 28                    | 1                                     |
| 7                        | 5495                    | 2.3                     | 170             | 27                    | 1                                     |
| 8                        | 5491                    | 3.5                     | 184             | 23                    | 1                                     |
| 9                        | 5495                    | 4.9                     | 150             | 27                    | 0                                     |
| 10                       | 5499                    | 4.6                     | 211             | 29                    | 1                                     |
| 11                       | 5495                    | 2.9                     | 158             | 23                    | 1                                     |
| 12                       | 5506                    | 2.6                     | 226             | 27                    | 0                                     |
| 13                       | 5506                    | 1.6                     | 204             | 26                    | 1                                     |
| 14                       | 5497                    | 3.9                     | 181             | 25                    | 1                                     |
| 15                       | 5505                    | 4.6                     | 202             | 24                    | 0                                     |
| 16                       | 5497                    | 4.1                     | 194             | 27                    | 1                                     |
| 17                       | 5495                    | 2.3                     | 193             | 28                    | 1                                     |
| 18                       | 5506                    | 3.9                     | 173             | 29                    | 1                                     |
| 19                       | 5502                    | 4.3                     | 188             | 23                    | 1                                     |
| 20                       | 5494                    | 1.5                     | 215             | 26                    | 1                                     |
| 21                       | 5501                    | 4.9                     | 227             | 27                    | 1                                     |
| 22                       | 5502                    | 1.1                     | 199             | 23                    | 1                                     |
| 23                       | 5490                    | 4.5                     | 155             | 29                    | 1                                     |
| 24                       | 5495                    | 4.0                     | 190             | 27                    | 0                                     |
| 25                       | 5507                    | 2.4                     | 151             | 23                    | 1                                     |
| 26                       | 5493                    | 2.5                     | 180             | 28                    | 1                                     |
| 27                       | 5494                    | 2.5                     | 228             | 23                    | 0                                     |
| 28                       | 5492                    | 2.5                     | 203             | 25                    | 1                                     |
| 29                       | 5508                    | 1.5                     | 188             | 25                    | 1                                     |
| 30                       | 5505                    | 1.9                     | 217             | 24                    | 1                                     |
| Detection Percentage (%) |                         |                         |                 |                       | 80.000                                |
| 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                        | 5497             | 8.0              | 205      | 16             | 1                               |
| 2                        | 5509             | 6.7              | 382      | 18             | 1                               |
| 3                        | 5508             | 8.6              | 418      | 16             | 1                               |
| 4                        | 5507             | 9.4              | 351      | 17             | 1                               |
| 5                        | 5506             | 7.4              | 383      | 18             | 1                               |
| 6                        | 5505             | 9.8              | 232      | 16             | 1                               |
| 7                        | 5501             | 9.1              | 377      | 17             | 1                               |
| 8                        | 5493             | 9.6              | 457      | 16             | 0                               |
| 9                        | 5497             | 8.0              | 471      | 18             | 1                               |
| 10                       | 5504             | 9.0              | 304      | 18             | 0                               |
| 11                       | 5504             | 8.0              | 316      | 17             | 1                               |
| 12                       | 5503             | 9.8              | 325      | 16             | 1                               |
| 13                       | 5508             | 8.0              | 409      | 17             | 1                               |
| 14                       | 5506             | 9.9              | 200      | 17             | 1                               |
| 15                       | 5499             | 8.8              | 458      | 16             | 1                               |
| 16                       | 5501             | 8.0              | 232      | 18             | 0                               |
| 17                       | 5496             | 8.3              | 250      | 16             | 1                               |
| 18                       | 5492             | 8.7              | 270      | 16             | 1                               |
| 19                       | 5508             | 7.7              | 350      | 17             | 1                               |
| 20                       | 5505             | 7.1              | 230      | 16             | 1                               |
| 21                       | 5496             | 7.3              | 416      | 18             | 1                               |
| 22                       | 5494             | 7.6              | 498      | 18             | 1                               |
| 23                       | 5500             | 7.3              | 286      | 17             | 1                               |
| 24                       | 5496             | 7.3              | 287      | 16             | 1                               |
| 25                       | 5504             | 7.5              | 462      | 17             | 0                               |
| 26                       | 5505             | 6.2              | 300      | 17             | 1                               |
| 27                       | 5492             | 6.4              | 323      | 18             | 1                               |
| 28                       | 5508             | 7.1              | 420      | 16             | 1                               |
| 29                       | 5492             | 7.2              | 395      | 18             | 0                               |
| 30                       | 5494             | 8.4              | 377      | 16             | 1                               |
| Detection Percentage (%) |                  |                  |          |                | 83.333                          |
| 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                        | 5500                    | 18.0                    | 242             | 15                    | 0                                     |
| 2                        | 5505                    | 19.9                    | 279             | 12                    | 1                                     |
| 3                        | 5491                    | 12.9                    | 487             | 14                    | 1                                     |
| 4                        | 5506                    | 15.0                    | 452             | 13                    | 1                                     |
| 5                        | 5508                    | 16.3                    | 230             | 12                    | 1                                     |
| 6                        | 5504                    | 19.8                    | 238             | 13                    | 1                                     |
| 7                        | 5509                    | 18.2                    | 420             | 16                    | 1                                     |
| 8                        | 5491                    | 16.3                    | 452             | 15                    | 1                                     |
| 9                        | 5508                    | 14.2                    | 495             | 12                    | 1                                     |
| 10                       | 5490                    | 17.8                    | 228             | 16                    | 1                                     |
| 11                       | 5505                    | 19.1                    | 211             | 16                    | 1                                     |
| 12                       | 5501                    | 18.4                    | 283             | 15                    | 1                                     |
| 13                       | 5490                    | 11.8                    | 411             | 12                    | 1                                     |
| 14                       | 5490                    | 14.2                    | 284             | 13                    | 1                                     |
| 15                       | 5503                    | 13.9                    | 202             | 12                    | 0                                     |
| 16                       | 5502                    | 17.8                    | 340             | 14                    | 1                                     |
| 17                       | 5504                    | 15.6                    | 290             | 16                    | 1                                     |
| 18                       | 5498                    | 14.6                    | 250             | 16                    | 1                                     |
| 19                       | 5508                    | 14.4                    | 484             | 15                    | 1                                     |
| 20                       | 5496                    | 18.9                    | 387             | 13                    | 0                                     |
| 21                       | 5501                    | 11.1                    | 348             | 15                    | 1                                     |
| 22                       | 5506                    | 13.8                    | 291             | 16                    | 1                                     |
| 23                       | 5497                    | 14.3                    | 295             | 12                    | 1                                     |
| 24                       | 5496                    | 12.5                    | 300             | 12                    | 1                                     |
| 25                       | 5490                    | 12.5                    | 322             | 14                    | 0                                     |
| 26                       | 5503                    | 12.5                    | 383             | 13                    | 1                                     |
| 27                       | 5499                    | 15.7                    | 322             | 16                    | 1                                     |
| 28                       | 5492                    | 19.8                    | 469             | 13                    | 1                                     |
| 29                       | 5498                    | 18.6                    | 406             | 15                    | 1                                     |
| 30                       | 5502                    | 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                           | 80.000                          |
| 3                           | 83.333                          |
| 4                           | 86.667                          |
| Aggregate (Radar Types 1-4) | 85.000                          |
| 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          |                 |                 |
| 1                        | 5              | 2               | 5500            | 1               |
| 2                        | 20             | 8               | 5500            | 1               |
| 3                        | 7              | 2.8             | 5500            | 1               |
| 4                        | 8              | 3.2             | 5500            | 1               |
| 5                        | 9              | 3.6             | 5500            | 1               |
| 6                        | 10             | 4               | 5500            | 1               |
| 7                        | 11             | 4.4             | 5500            | 1               |
| 8                        | 12             | 4.8             | 5500            | 1               |
| 9                        | 13             | 5.2             | 5500            | 1               |
| 10                       | 14             | 5.6             | 5500            | 1               |
| 11                       | 15             | 6               | 5496            | 1               |
| 12                       | 16             | 6.4             | 5496            | 1               |
| 13                       | 17             | 6.8             | 5497            | 1               |
| 14                       | 20             | 8               | 5498            | 1               |
| 15                       | 19             | 7.6             | 5498            | 1               |
| 16                       | 18             | 7.2             | 5497            | 1               |
| 17                       | 17             | 6.8             | 5497            | 1               |
| 18                       | 16             | 6.4             | 5496            | 1               |
| 19                       | 15             | 6               | 5496            | 1               |
| 20                       | 14             | 5.6             | 5496            | 1               |
| 21                       | 13             | 5.2             | 5504            | 1               |
| 22                       | 12             | 4.8             | 5504            | 1               |
| 23                       | 11             | 4.4             | 5505            | 1               |
| 24                       | 10             | 4               | 5505            | 1               |
| 25                       | 9              | 3.6             | 5505            | 1               |
| 26                       | 8              | 3.2             | 5506            | 1               |
| 27                       | 18             | 7.2             | 5502            | 1               |
| 28                       | 19             | 7.6             | 5501            | 1               |
| 29                       | 20             | 8               | 5501            | 1               |
| 30                       | 5              | 2               | 5507            | 1               |
| Total                    |                |                 |                 | 30              |
| Detection Percentage (%) |                |                 |                 | 100%            |
| 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>                 |                      |                         | 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) |                      |                         |                          |                                  |                                  | 1                                             |





| <b>Trial Number</b>                           |                      |                         | 3                        |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 10                       |                                  |                                  |                                               |
| <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                    | 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>                 |                      |                         | 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                    | 74.3                    | 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                        |               |                  | 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             | 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                        |               |                  | 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             | 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>                 |                      |                         | 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                    | 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>                 |                      |                         | 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                    | 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                                             |



| <b>Trial Number</b>                           |                      |                         | 17                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 11                       |                                  |                                  |                                               |
| <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                    | 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                                             |

| <b>Trial Number</b>                           |                      |                         | 18                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 12                       |                                  |                                  |                                               |
| <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                    | 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>                 |                      |                         | 5504                     |                                  |                                  |                                               |
| <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>                 |                      |                         | 5504                     |                                  |                                  |                                               |
| <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>                        |                      |                         | 5505                     |                                  |                                  |                                               |
| <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>                        |                      |                         | 5505                     |                                  |                                  |                                               |
| <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>                        |                      |                         | 5505                     |                                  |                                  |                                               |
| <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>                        |                      |                         | 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                                                    | 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                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                                  |                      |                         | 27                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 8                        |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5502                     |                                  |                                  |                                               |
| <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                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |





| <b>Trial Number</b>                                  |                      |                         | 28                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 9                        |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5501                     |                                  |                                  |                                               |
| <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                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                                  |                      |                         | 29                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 10                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5501                     |                                  |                                  |                                               |
| <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                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |



| <b>Trial Number</b>                                  |                      |                         | 30                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 11                       |                                  |                                  |                                               |
| <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                                                    | 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                        | 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%                           |
| <b>Test Result</b>       |                  |              |                  |          | <b>Complied</b>               |

**Modulation Mode: 802.11ac (VHT40)****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                               | 5494                    | 1                                            | 1930.5                                                       | 518             | 1                                     |
| 2                               | 5491                    | 23                                           | 326.2                                                        | 3066            | 1                                     |
| 3                               | 5497                    | 19                                           | 1139.0                                                       | 878             | 0                                     |
| 4                               | 5501                    | 12                                           | 1355.0                                                       | 738             | 1                                     |
| 5                               | 5494                    | 4                                            | 1730.1                                                       | 578             | 1                                     |
| 6                               | 5495                    | 8                                            | 1519.8                                                       | 658             | 1                                     |
| 7                               | 5509                    | 15                                           | 1253.1                                                       | 798             | 1                                     |
| 8                               | 5500                    | 6                                            | 1618.1                                                       | 618             | 1                                     |
| 9                               | 5496                    | 14                                           | 1285.3                                                       | 778             | 1                                     |
| 10                              | 5492                    | 3                                            | 1792.1                                                       | 558             | 1                                     |
| 11                              | 5500                    | 13                                           | 1319.3                                                       | 758             | 1                                     |
| 12                              | 5496                    | 9                                            | 1474.9                                                       | 678             | 1                                     |
| 13                              | 5506                    | 7                                            | 1567.4                                                       | 638             | 1                                     |
| 14                              | 5508                    | 17                                           | 1193.3                                                       | 838             | 1                                     |
| 15                              | 5507                    | 10                                           | 1432.7                                                       | 698             | 0                                     |
| 16                              | 5507                    | -                                            | 1692.0                                                       | 591             | 1                                     |
| 17                              | 5490                    | -                                            | 328.1                                                        | 3048            | 1                                     |
| 18                              | 5499                    | -                                            | 373.4                                                        | 2678            | 1                                     |
| 19                              | 5494                    | -                                            | 574.4                                                        | 1741            | 1                                     |
| 20                              | 5497                    | -                                            | 1216.5                                                       | 822             | 1                                     |
| 21                              | 5506                    | -                                            | 801.3                                                        | 1248            | 1                                     |
| 22                              | 5490                    | -                                            | 488.5                                                        | 2047            | 1                                     |
| 23                              | 5508                    | -                                            | 956.0                                                        | 1046            | 1                                     |
| 24                              | 5507                    | -                                            | 517.6                                                        | 1932            | 1                                     |
| 25                              | 5498                    | -                                            | 1422.5                                                       | 703             | 1                                     |
| 26                              | 5496                    | -                                            | 542.0                                                        | 1845            | 1                                     |
| 27                              | 5497                    | -                                            | 741.3                                                        | 1349            | 1                                     |
| 28                              | 5498                    | -                                            | 881.8                                                        | 1134            | 1                                     |
| 29                              | 5510                    | -                                            | 427.4                                                        | 2340            | 1                                     |
| 30                              | 5510                    | -                                            | 628.9                                                        | 1590            | 1                                     |
| <b>Detection Percentage (%)</b> |                         |                                              |                                                              |                 | <b>93.333</b>                         |
| <b>Limit</b>                    |                         |                                              |                                                              |                 | <b>60%</b>                            |
| <b>Test Result</b>              |                         |                                              |                                                              |                 | <b>Complied</b>                       |

**Type 2 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                               | 5495                    | 2.6                     | 221             | 23                    | 1                                     |
| 2                               | 5493                    | 4.6                     | 198             | 27                    | 1                                     |
| 3                               | 5492                    | 1.1                     | 184             | 29                    | 1                                     |
| 4                               | 5500                    | 4.8                     | 203             | 24                    | 1                                     |
| 5                               | 5499                    | 2.4                     | 162             | 25                    | 1                                     |
| 6                               | 5509                    | 3.4                     | 204             | 28                    | 1                                     |
| 7                               | 5497                    | 2.3                     | 170             | 27                    | 0                                     |
| 8                               | 5493                    | 3.5                     | 184             | 23                    | 1                                     |
| 9                               | 5509                    | 4.9                     | 150             | 27                    | 1                                     |
| 10                              | 5491                    | 4.6                     | 211             | 29                    | 1                                     |
| 11                              | 5504                    | 2.9                     | 158             | 23                    | 0                                     |
| 12                              | 5504                    | 2.6                     | 226             | 27                    | 1                                     |
| 13                              | 5492                    | 1.6                     | 204             | 26                    | 1                                     |
| 14                              | 5497                    | 3.9                     | 181             | 25                    | 1                                     |
| 15                              | 5497                    | 4.6                     | 202             | 24                    | 1                                     |
| 16                              | 5505                    | 4.1                     | 194             | 27                    | 1                                     |
| 17                              | 5510                    | 2.3                     | 193             | 28                    | 1                                     |
| 18                              | 5497                    | 3.9                     | 173             | 29                    | 0                                     |
| 19                              | 5506                    | 4.3                     | 188             | 23                    | 1                                     |
| 20                              | 5505                    | 1.5                     | 215             | 26                    | 1                                     |
| 21                              | 5496                    | 4.9                     | 227             | 27                    | 0                                     |
| 22                              | 5500                    | 1.1                     | 199             | 23                    | 1                                     |
| 23                              | 5504                    | 4.5                     | 155             | 29                    | 1                                     |
| 24                              | 5496                    | 4.0                     | 190             | 27                    | 1                                     |
| 25                              | 5501                    | 2.4                     | 151             | 23                    | 1                                     |
| 26                              | 5510                    | 2.5                     | 180             | 28                    | 1                                     |
| 27                              | 5502                    | 2.5                     | 228             | 23                    | 1                                     |
| 28                              | 5502                    | 2.5                     | 203             | 25                    | 1                                     |
| 29                              | 5506                    | 1.5                     | 188             | 25                    | 1                                     |
| 30                              | 5490                    | 1.9                     | 217             | 24                    | 1                                     |
| <b>Detection Percentage (%)</b> |                         |                         |                 |                       | <b>96.667</b>                         |
| <b>Limit</b>                    |                         |                         |                 |                       | <b>60%</b>                            |
| <b>Test Result</b>              |                         |                         |                 |                       | <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                        | 5508             | 8.0              | 205      | 16             | 1                             |
| 2                        | 5495             | 6.7              | 382      | 18             | 1                             |
| 3                        | 5491             | 8.6              | 418      | 16             | 1                             |
| 4                        | 5490             | 9.4              | 351      | 17             | 1                             |
| 5                        | 5495             | 7.4              | 383      | 18             | 0                             |
| 6                        | 5492             | 9.8              | 232      | 16             | 1                             |
| 7                        | 5496             | 9.1              | 377      | 17             | 1                             |
| 8                        | 5505             | 9.6              | 457      | 16             | 1                             |
| 9                        | 5492             | 8.0              | 471      | 18             | 1                             |
| 10                       | 5505             | 9.0              | 304      | 18             | 0                             |
| 11                       | 5505             | 8.0              | 316      | 17             | 1                             |
| 12                       | 5497             | 9.8              | 325      | 16             | 1                             |
| 13                       | 5503             | 8.0              | 409      | 17             | 1                             |
| 14                       | 5495             | 9.9              | 200      | 17             | 1                             |
| 15                       | 5498             | 8.8              | 458      | 16             | 1                             |
| 16                       | 5490             | 8.0              | 232      | 18             | 1                             |
| 17                       | 5500             | 8.3              | 250      | 16             | 0                             |
| 18                       | 5493             | 8.7              | 270      | 16             | 1                             |
| 19                       | 5490             | 7.7              | 350      | 17             | 1                             |
| 20                       | 5503             | 7.1              | 230      | 16             | 1                             |
| 21                       | 5505             | 7.3              | 416      | 18             | 1                             |
| 22                       | 5510             | 7.6              | 498      | 18             | 1                             |
| 23                       | 5509             | 7.3              | 286      | 17             | 1                             |
| 24                       | 5495             | 7.3              | 287      | 16             | 1                             |
| 25                       | 5509             | 7.5              | 462      | 17             | 0                             |
| 26                       | 5506             | 6.2              | 300      | 17             | 1                             |
| 27                       | 5504             | 6.4              | 323      | 18             | 1                             |
| 28                       | 5510             | 7.1              | 420      | 16             | 0                             |
| 29                       | 5490             | 7.2              | 395      | 18             | 1                             |
| 30                       | 5509             | 8.4              | 377      | 16             | 1                             |
| Detection Percentage (%) |                  |                  |          |                | 83.333                        |
| 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                        | 5495                    | 18.0                    | 242             | 15                    | 1                                     |
| 2                        | 5507                    | 19.9                    | 279             | 12                    | 1                                     |
| 3                        | 5491                    | 12.9                    | 487             | 14                    | 1                                     |
| 4                        | 5498                    | 15.0                    | 452             | 13                    | 0                                     |
| 5                        | 5500                    | 16.3                    | 230             | 12                    | 1                                     |
| 6                        | 5502                    | 19.8                    | 238             | 13                    | 1                                     |
| 7                        | 5501                    | 18.2                    | 420             | 16                    | 0                                     |
| 8                        | 5499                    | 16.3                    | 452             | 15                    | 1                                     |
| 9                        | 5500                    | 14.2                    | 495             | 12                    | 1                                     |
| 10                       | 5494                    | 17.8                    | 228             | 16                    | 1                                     |
| 11                       | 5496                    | 19.1                    | 211             | 16                    | 1                                     |
| 12                       | 5510                    | 18.4                    | 283             | 15                    | 1                                     |
| 13                       | 5501                    | 11.8                    | 411             | 12                    | 0                                     |
| 14                       | 5490                    | 14.2                    | 284             | 13                    | 1                                     |
| 15                       | 5497                    | 13.9                    | 202             | 12                    | 1                                     |
| 16                       | 5491                    | 17.8                    | 340             | 14                    | 1                                     |
| 17                       | 5501                    | 15.6                    | 290             | 16                    | 0                                     |
| 18                       | 5506                    | 14.6                    | 250             | 16                    | 1                                     |
| 19                       | 5506                    | 14.4                    | 484             | 15                    | 1                                     |
| 20                       | 5506                    | 18.9                    | 387             | 13                    | 0                                     |
| 21                       | 5495                    | 11.1                    | 348             | 15                    | 1                                     |
| 22                       | 5495                    | 13.8                    | 291             | 16                    | 1                                     |
| 23                       | 5507                    | 14.3                    | 295             | 12                    | 1                                     |
| 24                       | 5508                    | 12.5                    | 300             | 12                    | 1                                     |
| 25                       | 5497                    | 12.5                    | 322             | 14                    | 1                                     |
| 26                       | 5501                    | 12.5                    | 383             | 13                    | 1                                     |
| 27                       | 5510                    | 15.7                    | 322             | 16                    | 1                                     |
| 28                       | 5492                    | 19.8                    | 469             | 13                    | 1                                     |
| 29                       | 5492                    | 18.6                    | 406             | 15                    | 1                                     |
| 30                       | 5497                    | 15.9                    | 238             | 14                    | 0                                     |
| Detection Percentage (%) |                         |                         |                 |                       | 80.000                                |
| Limit                    |                         |                         |                 |                       | 60%                                   |
| <b>Test Result</b>       |                         |                         |                 |                       | <b>Complied</b>                       |

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

| <b>Radar Type #</b>         | <b>Detection Percentage (%)</b> |
|-----------------------------|---------------------------------|
| 1                           | 93.333                          |
| 2                           | 86.667                          |
| 3                           | 83.333                          |
| 4                           | 80.000                          |
| Aggregate (Radar Types 1-4) | 85.833                          |
| 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            | 1               |
| 2                        | 20             | 8               | 5510            | 1               |
| 3                        | 7              | 2.8             | 5510            | 1               |
| 4                        | 8              | 3.2             | 5510            | 1               |
| 5                        | 9              | 3.6             | 5510            | 1               |
| 6                        | 10             | 4               | 5510            | 1               |
| 7                        | 11             | 4.4             | 5510            | 1               |
| 8                        | 12             | 4.8             | 5510            | 1               |
| 9                        | 13             | 5.2             | 5510            | 1               |
| 10                       | 14             | 5.6             | 5510            | 1               |
| 11                       | 15             | 6               | 5496            | 1               |
| 12                       | 16             | 6.4             | 5496            | 1               |
| 13                       | 17             | 6.8             | 5497            | 1               |
| 14                       | 20             | 8               | 5498            | 1               |
| 15                       | 19             | 7.6             | 5498            | 1               |
| 16                       | 18             | 7.2             | 5497            | 1               |
| 17                       | 17             | 6.8             | 5497            | 1               |
| 18                       | 16             | 6.4             | 5496            | 1               |
| 19                       | 15             | 6               | 5496            | 1               |
| 20                       | 14             | 5.6             | 5496            | 1               |
| 21                       | 13             | 5.2             | 5525            | 1               |
| 22                       | 12             | 4.8             | 5525            | 1               |
| 23                       | 11             | 4.4             | 5526            | 1               |
| 24                       | 10             | 4               | 5526            | 1               |
| 25                       | 9              | 3.6             | 5526            | 1               |
| 26                       | 8              | 3.2             | 5527            | 1               |
| 27                       | 18             | 7.2             | 5523            | 1               |
| 28                       | 19             | 7.6             | 5522            | 1               |
| 29                       | 20             | 8               | 5522            | 1               |
| 30                       | 5              | 2               | 5528            | 1               |
| Total                    |                |                 |                 | 30              |
| Detection Percentage (%) |                |                 |                 | 100%            |
| 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                                             |



| Trial Number                                  |               |                  | 3                 |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 10                |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5510              |                           |                           |                                        |
| 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                        |               |                  | 5510              |                           |                           |                                        |
| 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>                 |                      |                         | 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                                            |
| 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                                             |



| <b>Trial Number</b>                           |                      |                         | 17                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 11                       |                                  |                                  |                                               |
| <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                    | 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                                             |

| <b>Trial Number</b>                           |                      |                         | 18                       |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 12                       |                                  |                                  |                                               |
| <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                    | 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                                             |



| <b>Trial Number</b>                                  |                      |                         | 26                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 20                       |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5527                     |                                  |                                  |                                               |
| <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                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |

| <b>Trial Number</b>                                  |                      |                         | 27                       |                                  |                                  |                                               |
|------------------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 8                        |                                  |                                  |                                               |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5523                     |                                  |                                  |                                               |
| <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                                           |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1                                             |



| Trial Number                                  |               |                  | 28                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 9                 |                           |                           |                                        |
| Chirp Center Frequency                        |               |                  | 5522              |                           |                           |                                        |
| 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                        |               |                  | 5522              |                           |                           |                                        |
| 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>                        |                      |                         | 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**

| <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                               | 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                                     |
| <b>Detection Percentage (%)</b> |                         |                     |                         |                 | <b>100.000</b>                        |
| <b>Limit</b>                    |                         |                     |                         |                 | <b>70%</b>                            |
| <b>Test Result</b>              |                         |                     |                         |                 | <b>Complied</b>                       |

**Modulation Mode: 802.11ac (VHT80)****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                               | 5548                    | 1                                            | 1930.5                                                       | 518             | 1                                     |
| 2                               | 5569                    | 23                                           | 326.2                                                        | 3066            | 0                                     |
| 3                               | 5563                    | 19                                           | 1139.0                                                       | 878             | 1                                     |
| 4                               | 5553                    | 12                                           | 1355.0                                                       | 738             | 1                                     |
| 5                               | 5547                    | 4                                            | 1730.1                                                       | 578             | 1                                     |
| 6                               | 5521                    | 8                                            | 1519.8                                                       | 658             | 0                                     |
| 7                               | 5562                    | 15                                           | 1253.1                                                       | 798             | 1                                     |
| 8                               | 5503                    | 6                                            | 1618.1                                                       | 618             | 1                                     |
| 9                               | 5545                    | 14                                           | 1285.3                                                       | 778             | 1                                     |
| 10                              | 5552                    | 3                                            | 1792.1                                                       | 558             | 1                                     |
| 11                              | 5518                    | 13                                           | 1319.3                                                       | 758             | 1                                     |
| 12                              | 5531                    | 9                                            | 1474.9                                                       | 678             | 1                                     |
| 13                              | 5498                    | 7                                            | 1567.4                                                       | 638             | 1                                     |
| 14                              | 5504                    | 17                                           | 1193.3                                                       | 838             | 1                                     |
| 15                              | 5555                    | 10                                           | 1432.7                                                       | 698             | 1                                     |
| 16                              | 5503                    | -                                            | 1692.0                                                       | 591             | 1                                     |
| 17                              | 5505                    | -                                            | 328.1                                                        | 3048            | 1                                     |
| 18                              | 5562                    | -                                            | 373.4                                                        | 2678            | 1                                     |
| 19                              | 5561                    | -                                            | 574.4                                                        | 1741            | 0                                     |
| 20                              | 5557                    | -                                            | 1216.5                                                       | 822             | 1                                     |
| 21                              | 5549                    | -                                            | 801.3                                                        | 1248            | 1                                     |
| 22                              | 5491                    | -                                            | 488.5                                                        | 2047            | 1                                     |
| 23                              | 5533                    | -                                            | 956.0                                                        | 1046            | 1                                     |
| 24                              | 5542                    | -                                            | 517.6                                                        | 1932            | 1                                     |
| 25                              | 5556                    | -                                            | 1422.5                                                       | 703             | 0                                     |
| 26                              | 5526                    | -                                            | 542.0                                                        | 1845            | 1                                     |
| 27                              | 5550                    | -                                            | 741.3                                                        | 1349            | 1                                     |
| 28                              | 5559                    | -                                            | 881.8                                                        | 1134            | 1                                     |
| 29                              | 5501                    | -                                            | 427.4                                                        | 2340            | 1                                     |
| 30                              | 5561                    | -                                            | 628.9                                                        | 1590            | 1                                     |
| <b>Detection Percentage (%)</b> |                         |                                              |                                                              |                 | <b>86.667</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                        | 5524             | 2.6              | 221      | 23             | 1                             |
| 2                        | 5510             | 4.6              | 198      | 27             | 1                             |
| 3                        | 5509             | 1.1              | 184      | 29             | 1                             |
| 4                        | 5544             | 4.8              | 203      | 24             | 1                             |
| 5                        | 5510             | 2.4              | 162      | 25             | 1                             |
| 6                        | 5504             | 3.4              | 204      | 28             | 1                             |
| 7                        | 5539             | 2.3              | 170      | 27             | 1                             |
| 8                        | 5551             | 3.5              | 184      | 23             | 0                             |
| 9                        | 5537             | 4.9              | 150      | 27             | 1                             |
| 10                       | 5526             | 4.6              | 211      | 29             | 1                             |
| 11                       | 5541             | 2.9              | 158      | 23             | 1                             |
| 12                       | 5531             | 2.6              | 226      | 27             | 1                             |
| 13                       | 5498             | 1.6              | 204      | 26             | 1                             |
| 14                       | 5498             | 3.9              | 181      | 25             | 1                             |
| 15                       | 5569             | 4.6              | 202      | 24             | 1                             |
| 16                       | 5550             | 4.1              | 194      | 27             | 1                             |
| 17                       | 5521             | 2.3              | 193      | 28             | 1                             |
| 18                       | 5532             | 3.9              | 173      | 29             | 1                             |
| 19                       | 5546             | 4.3              | 188      | 23             | 1                             |
| 20                       | 5529             | 1.5              | 215      | 26             | 1                             |
| 21                       | 5566             | 4.9              | 227      | 27             | 1                             |
| 22                       | 5509             | 1.1              | 199      | 23             | 1                             |
| 23                       | 5552             | 4.5              | 155      | 29             | 1                             |
| 24                       | 5507             | 4.0              | 190      | 27             | 1                             |
| 25                       | 5551             | 2.4              | 151      | 23             | 1                             |
| 26                       | 5503             | 2.5              | 180      | 28             | 0                             |
| 27                       | 5503             | 2.5              | 228      | 23             | 1                             |
| 28                       | 5546             | 2.5              | 203      | 25             | 1                             |
| 29                       | 5500             | 1.5              | 188      | 25             | 1                             |
| 30                       | 5513             | 1.9              | 217      | 24             | 1                             |
| Detection Percentage (%) |                  |                  |          |                | 93.333                        |
| Limit                    |                  |                  |          |                | 60%                           |
| <b>Test Result</b>       |                  |                  |          |                | <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                        | 5550             | 8.0              | 205      | 16             | 1                             |
| 2                        | 5530             | 6.7              | 382      | 18             | 1                             |
| 3                        | 5497             | 8.6              | 418      | 16             | 0                             |
| 4                        | 5495             | 9.4              | 351      | 17             | 1                             |
| 5                        | 5490             | 7.4              | 383      | 18             | 1                             |
| 6                        | 5493             | 9.8              | 232      | 16             | 1                             |
| 7                        | 5547             | 9.1              | 377      | 17             | 1                             |
| 8                        | 5491             | 9.6              | 457      | 16             | 1                             |
| 9                        | 5500             | 8.0              | 471      | 18             | 1                             |
| 10                       | 5563             | 9.0              | 304      | 18             | 0                             |
| 11                       | 5498             | 8.0              | 316      | 17             | 1                             |
| 12                       | 5499             | 9.8              | 325      | 16             | 1                             |
| 13                       | 5497             | 8.0              | 409      | 17             | 1                             |
| 14                       | 5541             | 9.9              | 200      | 17             | 1                             |
| 15                       | 5549             | 8.8              | 458      | 16             | 1                             |
| 16                       | 5555             | 8.0              | 232      | 18             | 1                             |
| 17                       | 5534             | 8.3              | 250      | 16             | 1                             |
| 18                       | 5507             | 8.7              | 270      | 16             | 1                             |
| 19                       | 5526             | 7.7              | 350      | 17             | 1                             |
| 20                       | 5519             | 7.1              | 230      | 16             | 1                             |
| 21                       | 5532             | 7.3              | 416      | 18             | 1                             |
| 22                       | 5517             | 7.6              | 498      | 18             | 1                             |
| 23                       | 5529             | 7.3              | 286      | 17             | 1                             |
| 24                       | 5543             | 7.3              | 287      | 16             | 0                             |
| 25                       | 5566             | 7.5              | 462      | 17             | 1                             |
| 26                       | 5490             | 6.2              | 300      | 17             | 1                             |
| 27                       | 5523             | 6.4              | 323      | 18             | 1                             |
| 28                       | 5530             | 7.1              | 420      | 16             | 1                             |
| 29                       | 5517             | 7.2              | 395      | 18             | 1                             |
| 30                       | 5501             | 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                        | 5529                    | 18.0                    | 242             | 15                    | 1                                     |
| 2                        | 5529                    | 19.9                    | 279             | 12                    | 0                                     |
| 3                        | 5503                    | 12.9                    | 487             | 14                    | 1                                     |
| 4                        | 5511                    | 15.0                    | 452             | 13                    | 1                                     |
| 5                        | 5523                    | 16.3                    | 230             | 12                    | 1                                     |
| 6                        | 5513                    | 19.8                    | 238             | 13                    | 1                                     |
| 7                        | 5502                    | 18.2                    | 420             | 16                    | 1                                     |
| 8                        | 5564                    | 16.3                    | 452             | 15                    | 1                                     |
| 9                        | 5496                    | 14.2                    | 495             | 12                    | 1                                     |
| 10                       | 5519                    | 17.8                    | 228             | 16                    | 1                                     |
| 11                       | 5560                    | 19.1                    | 211             | 16                    | 0                                     |
| 12                       | 5550                    | 18.4                    | 283             | 15                    | 1                                     |
| 13                       | 5513                    | 11.8                    | 411             | 12                    | 1                                     |
| 14                       | 5528                    | 14.2                    | 284             | 13                    | 1                                     |
| 15                       | 5498                    | 13.9                    | 202             | 12                    | 1                                     |
| 16                       | 5494                    | 17.8                    | 340             | 14                    | 1                                     |
| 17                       | 5498                    | 15.6                    | 290             | 16                    | 1                                     |
| 18                       | 5524                    | 14.6                    | 250             | 16                    | 1                                     |
| 19                       | 5523                    | 14.4                    | 484             | 15                    | 1                                     |
| 20                       | 5497                    | 18.9                    | 387             | 13                    | 1                                     |
| 21                       | 5561                    | 11.1                    | 348             | 15                    | 0                                     |
| 22                       | 5505                    | 13.8                    | 291             | 16                    | 1                                     |
| 23                       | 5491                    | 14.3                    | 295             | 12                    | 1                                     |
| 24                       | 5495                    | 12.5                    | 300             | 12                    | 1                                     |
| 25                       | 5561                    | 12.5                    | 322             | 14                    | 1                                     |
| 26                       | 5521                    | 12.5                    | 383             | 13                    | 1                                     |
| 27                       | 5505                    | 15.7                    | 322             | 16                    | 1                                     |
| 28                       | 5551                    | 19.8                    | 469             | 13                    | 1                                     |
| 29                       | 5521                    | 18.6                    | 406             | 15                    | 1                                     |
| 30                       | 5542                    | 15.9                    | 238             | 14                    | 1                                     |
| Detection Percentage (%) |                         |                         |                 |                       | 90.000                                |
| Limit                    |                         |                         |                 |                       | 60%                                   |
| <b>Test Result</b>       |                         |                         |                 |                       | <b>Complied</b>                       |

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

| <b>Radar Type #</b>         | <b>Detection Percentage (%)</b> |
|-----------------------------|---------------------------------|
| 1                           | 86.667                          |
| 2                           | 93.333                          |
| 3                           | 90.000                          |
| 4                           | 90.000                          |
| 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          |                 |           |
| 1                        | 5              | 2               | 5530            | 1         |
| 2                        | 20             | 8               | 5530            | 1         |
| 3                        | 7              | 2.8             | 5530            | 1         |
| 4                        | 8              | 3.2             | 5530            | 1         |
| 5                        | 9              | 3.6             | 5530            | 1         |
| 6                        | 10             | 4               | 5530            | 1         |
| 7                        | 11             | 4.4             | 5530            | 1         |
| 8                        | 12             | 4.8             | 5530            | 1         |
| 9                        | 13             | 5.2             | 5530            | 1         |
| 10                       | 14             | 5.6             | 5530            | 1         |
| 11                       | 15             | 6               | 5496            | 1         |
| 12                       | 16             | 6.4             | 5496            | 1         |
| 13                       | 17             | 6.8             | 5497            | 1         |
| 14                       | 20             | 8               | 5498            | 1         |
| 15                       | 19             | 7.6             | 5498            | 1         |
| 16                       | 18             | 7.2             | 5497            | 1         |
| 17                       | 17             | 6.8             | 5497            | 1         |
| 18                       | 16             | 6.4             | 5496            | 1         |
| 19                       | 15             | 6               | 5496            | 1         |
| 20                       | 14             | 5.6             | 5496            | 1         |
| 21                       | 13             | 5.2             | 5565            | 1         |
| 22                       | 12             | 4.8             | 5565            | 1         |
| 23                       | 11             | 4.4             | 5566            | 1         |
| 24                       | 10             | 4               | 5566            | 1         |
| 25                       | 9              | 3.6             | 5566            | 1         |
| 26                       | 8              | 3.2             | 5567            | 1         |
| 27                       | 18             | 7.2             | 5563            | 1         |
| 28                       | 19             | 7.6             | 5562            | 1         |
| 29                       | 20             | 8               | 5562            | 1         |
| 30                       | 5              | 2               | 5568            | 1         |
| Total                    |                |                 |                 | 30        |
| Detection Percentage (%) |                |                 |                 | 100%      |
| Limit                    |                |                 |                 | 80%       |
| Test Result              |                |                 |                 | Complied  |



| <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                                             |



| <b>Trial Number</b>                           |                      |                         | 3                        |                                  |                                  |                                               |
|-----------------------------------------------|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|-----------------------------------------------|
| <b>Number of Bursts in Trial</b>              |                      |                         | 10                       |                                  |                                  |                                               |
| <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                    | 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>                 |                      |                         | 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                    | 74.3                    | 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>                 |                      |                         | 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                    | 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>                 |                      |                         | 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                    | 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>                        |                      |                         | 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                                             |



| Trial Number                                  |               |                  | 15                |                           |                           |                                        |
|-----------------------------------------------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| Number of Bursts in Trial                     |               |                  | 9                 |                           |                           |                                        |
| 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             | 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                        |               |                  | 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             | 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>                 |                      |                         | 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                    | 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>                 |                      |                         | 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                                             | 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>                        |                      |                         | 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                                                    | 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>                        |                      |                         | 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                    | 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>                        |                      |                         | 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                    | 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>                 |                      |                         | 5567                     |                                  |                                  |                                               |
| <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>                 |                      |                         | 5563                     |                                  |                                  |                                               |
| <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                        |               |                  | 5562              |                           |                           |                                        |
| 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                        |               |                  | 5562              |                           |                           |                                        |
| 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>                        |                      |                         | 5568                     |                                  |                                  |                                               |
| <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%                           |
| <b>Test Result</b>       |                  |              |                  |          | <b>Complied</b>               |

**For Repeater Mode:****Type 4 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                               | 5551                    | 18.0                | 242                     | 15              | 1                                     |
| 2                               | 5553                    | 19.9                | 279                     | 12              | 0                                     |
| 3                               | 5539                    | 12.9                | 487                     | 14              | 1                                     |
| 4                               | 5498                    | 15.0                | 452                     | 13              | 1                                     |
| 5                               | 5564                    | 16.3                | 230                     | 12              | 1                                     |
| 6                               | 5490                    | 19.8                | 238                     | 13              | 1                                     |
| 7                               | 5554                    | 18.2                | 420                     | 16              | 1                                     |
| 8                               | 5546                    | 16.3                | 452                     | 15              | 1                                     |
| 9                               | 5541                    | 14.2                | 495                     | 12              | 1                                     |
| 10                              | 5559                    | 17.8                | 228                     | 16              | 1                                     |
| 11                              | 5560                    | 19.1                | 211                     | 16              | 1                                     |
| 12                              | 5514                    | 18.4                | 283                     | 15              | 0                                     |
| 13                              | 5544                    | 11.8                | 411                     | 12              | 1                                     |
| 14                              | 5517                    | 14.2                | 284                     | 13              | 1                                     |
| 15                              | 5505                    | 13.9                | 202                     | 12              | 1                                     |
| 16                              | 5516                    | 17.8                | 340                     | 14              | 1                                     |
| 17                              | 5513                    | 15.6                | 290                     | 16              | 1                                     |
| 18                              | 5496                    | 14.6                | 250                     | 16              | 1                                     |
| 19                              | 5552                    | 14.4                | 484                     | 15              | 1                                     |
| 20                              | 5505                    | 18.9                | 387                     | 13              | 1                                     |
| 21                              | 5502                    | 11.1                | 348                     | 15              | 1                                     |
| 22                              | 5559                    | 13.8                | 291                     | 16              | 0                                     |
| 23                              | 5519                    | 14.3                | 295                     | 12              | 1                                     |
| 24                              | 5557                    | 12.5                | 300                     | 12              | 1                                     |
| 25                              | 5495                    | 12.5                | 322                     | 14              | 1                                     |
| 26                              | 5504                    | 12.5                | 383                     | 13              | 1                                     |
| 27                              | 5515                    | 15.7                | 322                     | 16              | 1                                     |
| 28                              | 5557                    | 19.8                | 469                     | 13              | 1                                     |
| 29                              | 5542                    | 18.6                | 406                     | 15              | 1                                     |
| 30                              | 5496                    | 15.9                | 238                     | 14              | 1                                     |
| <b>Detection Percentage (%)</b> |                         |                     |                         |                 | <b>90.000</b>                         |
| <b>Limit</b>                    |                         |                     |                         |                 | <b>70%</b>                            |
| <b>Test Result</b>              |                         |                     |                         |                 | <b>Complied</b>                       |





## 4 Test Equipment and Calibration Data

| Instrument              | Manufacturer | Model No. | Serial No.    | Characteristics | Calibration Date | Calibration Due Date | Remark             |
|-------------------------|--------------|-----------|---------------|-----------------|------------------|----------------------|--------------------|
| Spectrum Analyzer       | R&S          | FSV40     | 101026        | 9kHz~40GHz      | Sep. 28, 2018    | Sep. 27, 2019        | Radiated (DF01-CB) |
| Vector Signal generator | R&S          | SMU200A   | 102782        | 100kHz-6GHz     | Jan. 16, 2019    | Jan. 15, 2020        | Radiated (DF01-CB) |
| Horn Antenna            | COM-POWER    | AH-118    | 071187        | 1GHz – 18GHz    | Jul. 02, 2019    | Jul. 01, 2020        | Radiated (DF01-CB) |
| Horn Antenna            | COM-POWER    | AH-118    | 071042        | 1GHz – 18GHz    | Dec. 24, 2018    | Dec. 23, 2019        | Radiated (DF01-CB) |
| RF Power Divider        | ANAREN       | 2 Way     | DFS-01-DV-02  | 1GHz ~ 6GHz     | Oct. 08, 2018    | Oct. 07, 2019        | Radiated (DF01-CB) |
| RF Power Divider        | MTJ          | 2 Way     | DFS-01-DV-03  | 1GHz ~ 6GHz     | Oct. 08, 2018    | Oct. 07, 2019        | Radiated (DF01-CB) |
| RF Power Divider        | ANAREN       | 4 Way     | DFS-01-DV-01  | 1GHz ~ 6GHz     | Oct. 08, 2018    | Oct. 07, 2019        | Radiated (DF01-CB) |
| RF Cable-high           | Woken        | RG402     | High Cable-57 | 1 GHz –18 GHz   | Oct. 08, 2018    | Oct. 07, 2019        | Radiated (DF01-CB) |
| RF Cable-high           | Woken        | RG402     | High Cable-58 | 1 GHz –18 GHz   | Oct. 08, 2018    | Oct. 07, 2019        | Radiated (DF01-CB) |

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



## **5 Measurement Uncertainty**

| <b>Test Items</b> | <b>Uncertainty</b> | <b>Remark</b>            |
|-------------------|--------------------|--------------------------|
| Radiated Emission | 3.4 dB             | Confidence levels of 95% |