



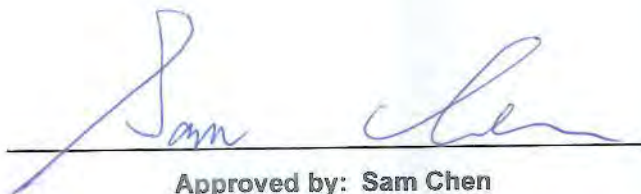
# FCC DFS TEST REPORT

**FCC ID** : TE7RE205V2  
**Equipment** : AC750 Wi-Fi Range Extender  
**Brand Name** : tp-link  
**Model Name** : RE205  
**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 Oct. 01, 2018, and testing was started from Dec. 01, 2018 and completed on Dec. 10, 2018. 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 variant 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: Sam Chen

**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



### History of this test report

| Report No.    | Version | Description             | Issued Date   |
|---------------|---------|-------------------------|---------------|
| FZ892823-01AB | 01      | Initial issue of report | Jan. 31, 2019 |
|               |         |                         |               |
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|               |         |                         |               |



### 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               | -      |

**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: Cliff Chang**  
**Report Producer: Vicky Huang**



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

| Specification Items  | Description  |
|--|--|
| Frequency Range  | 5250 MHz – 5350 MHz<br>5470 MHz – 5725 MHz   |
| Product Type   | WLAN (1TX, 1RX)  |
| Radio Type   | Intentional Transceiver  |
| Power Type   | Internal power supply  |
| Modulation   | IEEE 802.11a: OFDM (BPSK / QPSK / 16QAM / 64QAM)<br>IEEE 802.11n/ac: see the below table             |
| Data Rate (Mbps)   | IEEE 802.11a: OFDM (6/9/12/18/24/36/48/54)<br>IEEE 802.11n/ac: see the below table                   |
| Channel Bandwidth  | 20/40/80 MHz operating channel bandwidth   |
| Operating Mode   | <input checked="" type="checkbox"/> Master(AP)<br>Please refer to Sporton test report: FZ892823-01AA |
|  | <input checked="" type="checkbox"/> Master(Extender)   |
| 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 66.957 seconds to complete its power-on cycle.                                       |
| Software / Firmware Version  | 1.0.0 Build 20181121 Rel. 54385(8583)  |
| Note: EUT employ a TPC mechanism and TPC have the capability to operate at least 6 dB below highest RF output power. |  |

Note: The above information was declared by manufacturer.



**TPC Power Result**

| Mode                           | Min Power (dBm) | Max Power (dBm) | Min EIRP (dBm) | Max EIRP (dBm) |
|--------------------------------|-----------------|-----------------|----------------|----------------|
| 802.11a_Nss1,(6Mbps)_1TX       | -               | -               | -              | -              |
| 5.25-5.35GHz                   | 15.01           | 21.01           | 18.01          | 24.01          |
| 5.47-5.725GHz                  | 13.69           | 19.69           | 16.69          | 22.69          |
| 802.11ac_VHT20_Nss1,(MCS0)_1TX | -               | -               | -              | -              |
| 5.25-5.35GHz                   | 14.93           | 20.93           | 17.93          | 23.93          |
| 5.47-5.725GHz                  | 13.46           | 19.46           | 16.46          | 22.46          |
| 802.11ac_VHT40_Nss1,(MCS0)_1TX | -               | -               | -              | -              |
| 5.25-5.35GHz                   | 14.71           | 20.71           | 17.71          | 23.71          |
| 5.47-5.725GHz                  | 14.19           | 20.19           | 17.19          | 23.19          |
| 802.11ac_VHT80_Nss1,(MCS0)_1TX | -               | -               | -              | -              |
| 5.25-5.35GHz                   | 9.09            | 15.09           | 12.09          | 18.09          |
| 5.47-5.725GHz                  | 12.98           | 18.98           | 15.98          | 21.98          |

**Antenna & Band width**

| Antenna         | Single (TX) |        |        |
|-----------------|-------------|--------|--------|
|                 | 20 MHz      | 40 MHz | 80 MHz |
| Band width Mode |             |        |        |
| IEEE 802.11a    | V           | X      | X      |
| IEEE 802.11n    | V           | V      | X      |
| IEEE 802.11ac   | V           | V      | V      |

**IEEE 11n/ac Spec.**

| Protocol         | Number of Transmit Chains (NTX) | Data Rate / MCS |
|------------------|---------------------------------|-----------------|
| 802.11n (HT20)   | 1                               | MCS0-7          |
| 802.11n (HT40)   | 1                               | MCS0-7          |
| 802.11ac (VHT20) | 1                               | MCS 0-8/Nss1    |
| 802.11ac (VHT40) | 1                               | MCS 0-9/Nss1    |
| 802.11ac (VHT80) | 1                               | MCS 0-9/Nss1    |

Note 1: IEEE Std. 802.11n modulation consists of HT20 and HT40 (HT: High Throughput).  
Then EUT support HT20 and HT40.

Note 2: IEEE Std. 802.11ac modulation consists of VHT20, VHT40, VHT80 (VHT: Very High Throughput).  
Then EUT support VHT20, VHT40 and VHT80.

Note 3: Modulation modes consist of below configuration:

11a: IEEE 802.11a, HT20/HT40: IEEE 802.11n, VHT20/VHT40/VHT80: IEEE 802.11ac



### 1.1.2 Antenna Information

| Ant. | Port | Brand   | Product Number | Antenna Type   | Connector | Gain (dBi) |      |
|------|------|---------|----------------|----------------|-----------|------------|------|
|      |      |         |                |                |           | 2.4GHz     | 5GHz |
| 1    | 1    | TP-LINK | 3101501563     | Dipole Antenna | I-PEX     | 2          | 3    |
| 2    | 2    | TP-LINK | 3101501562     | Dipole Antenna | I-PEX     | 2          | -    |

Note1: The above information was declared by manufacturer.

Note2: The EUT has two antennas.

For WLAN 2.4GHz function (2TX/2RX):

Port 1 and Port 2 could transmit/receive simultaneously.

For WLAN 5GHz function (1TX/1RX):

Only Port 1 could transmit/receive simultaneously.

### 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 Class II Change

This product is an extension of original one reported under Sporton project number: 892823

Below is the table for the change of the product with respect to the original one.

| <b>Modifications</b>  | <b>Performance Checking</b> |
|---|-----------------------------|
| Adding 5GHz band 2 and band 3 (5250~5350 MHz, 5470~5725 MHz) for this device. | DFS                         |





### 1.2 Accessories

N/A

### 1.3 Support Equipment

| Support Equipment |            |            |             |
|-------------------|------------|------------|-------------|
| Equipment         | Brand Name | Model Name | FCC ID      |
| NB*3              | DELL       | E4300      | N/A         |
| WLAN AP           | D-LINK     | DIR860L    | KA2IR860LA1 |
| WLAN Dongle       | LINKSYS    | AE6000     | Q87-AE6000  |

### 1.4 Testing Applied 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 | Test Date             |
| DFS Site                            | DF01-CB       | DK Chang  | 25.2°C / 64%     | 01-Dec-18 ~ 10-Dec-18 |

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 |   |
|---|---|
| <b>Tests Item</b>                                   | Dynamic Frequency Selection (DFS)   |
| <b>Test Condition</b>                               | 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. |
| <b>Modulation Mode</b>                              | 802.11ac (VHT20), 802.11ac (VHT40), 802.11ac (VHT80)  |



### 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 ≥ 200 mW                            | -64 dBm          |
| EIRP < 200 mW and PSD < 10dBm/MHz        | -62 dBm          |
| EIRP < 200 mW and PSD ≥ 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**

| <b>User Access Restrictions</b>     |  |
|-------------------------------------|--|
| <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 / 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 / Burst Count) - (Total Burst Length) + (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**

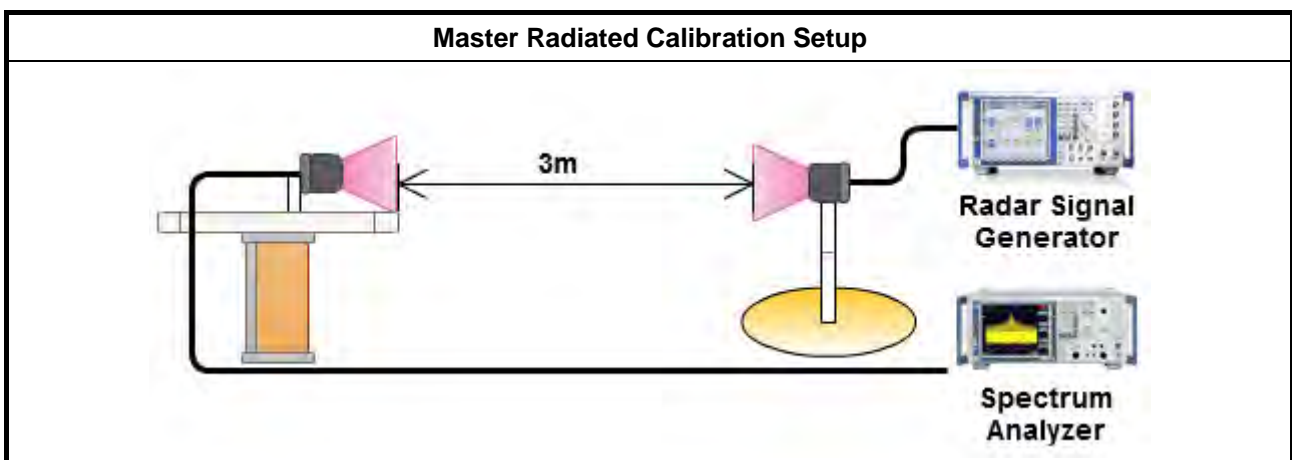
| Radar Type | Pulse Width (µsec) | PRI (µsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (ms) | Minimum Percentage of Successful Detection | Minimum Trials |
|------------|--------------------|------------|----------------|--------------------|------------------------------|--|----------------|
| 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**



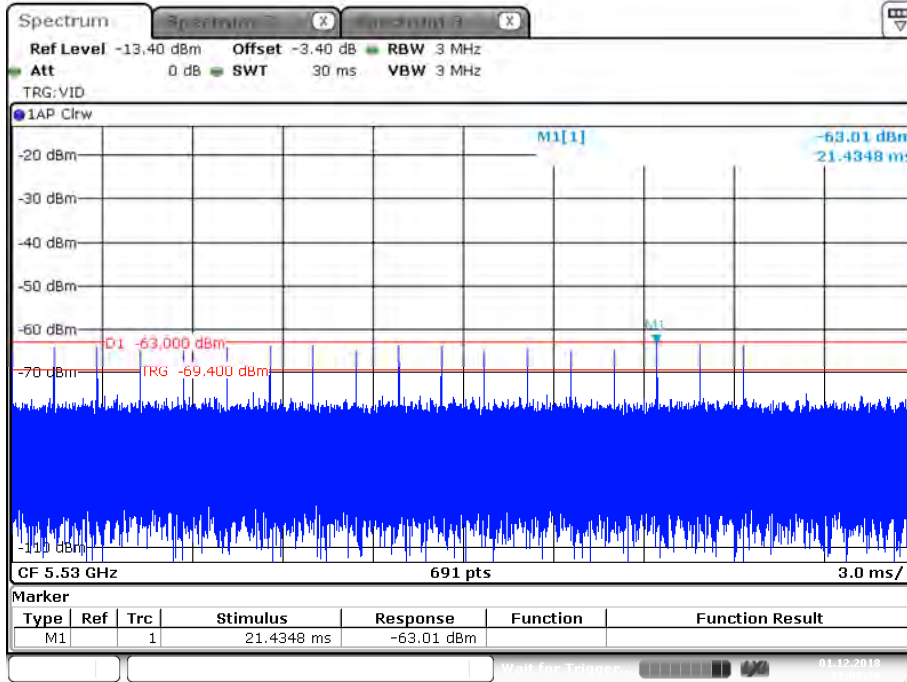




### 3.2.6 Radar Waveform calibration Plot

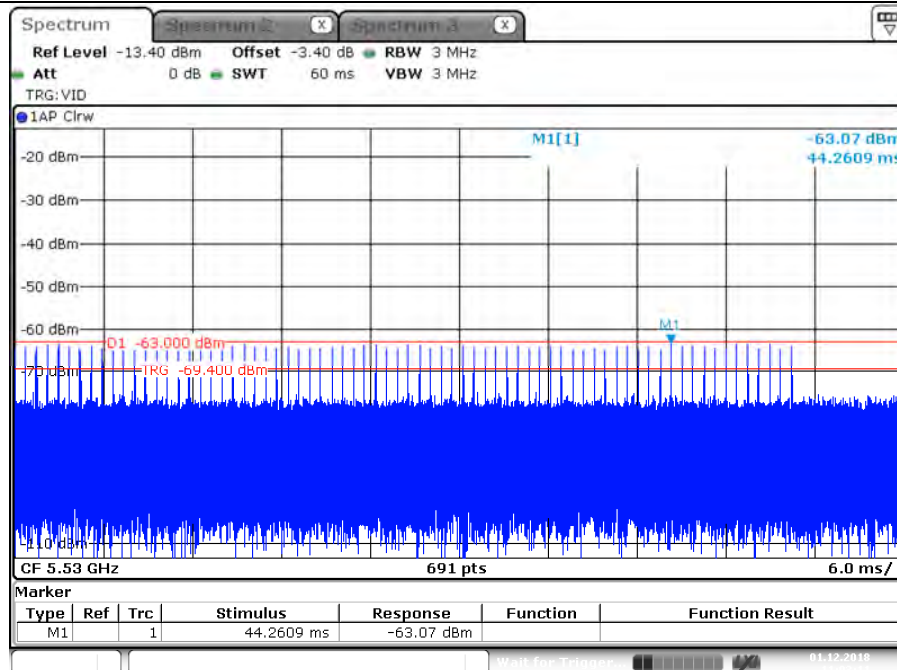
Test Frequency: 5530 MHz

Radar #0 DFS detection threshold level



Date: 1.DEC.2018 11:02:26

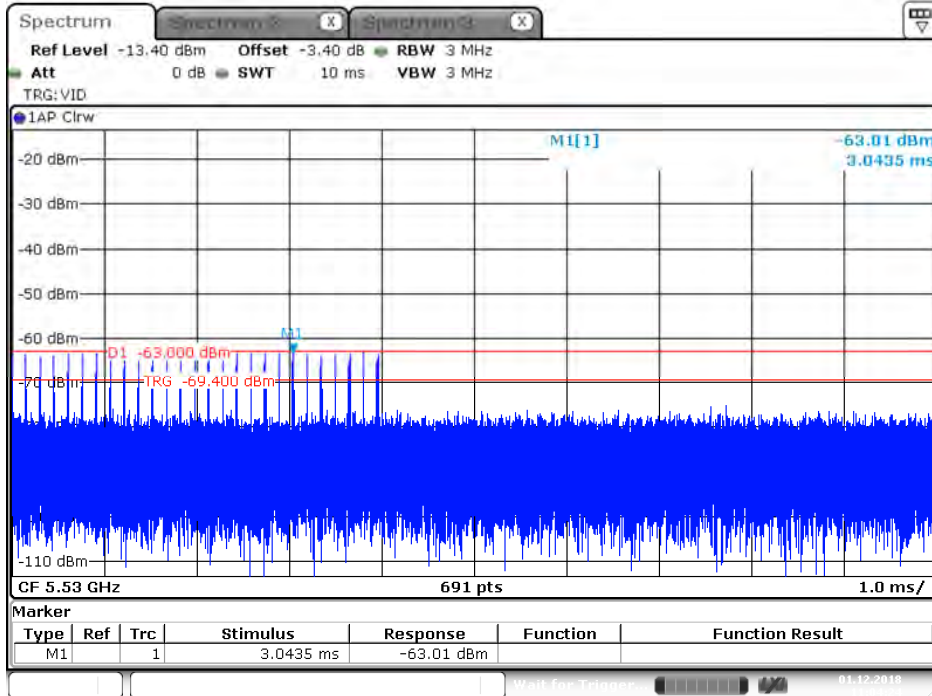
Radar #1 DFS detection threshold level



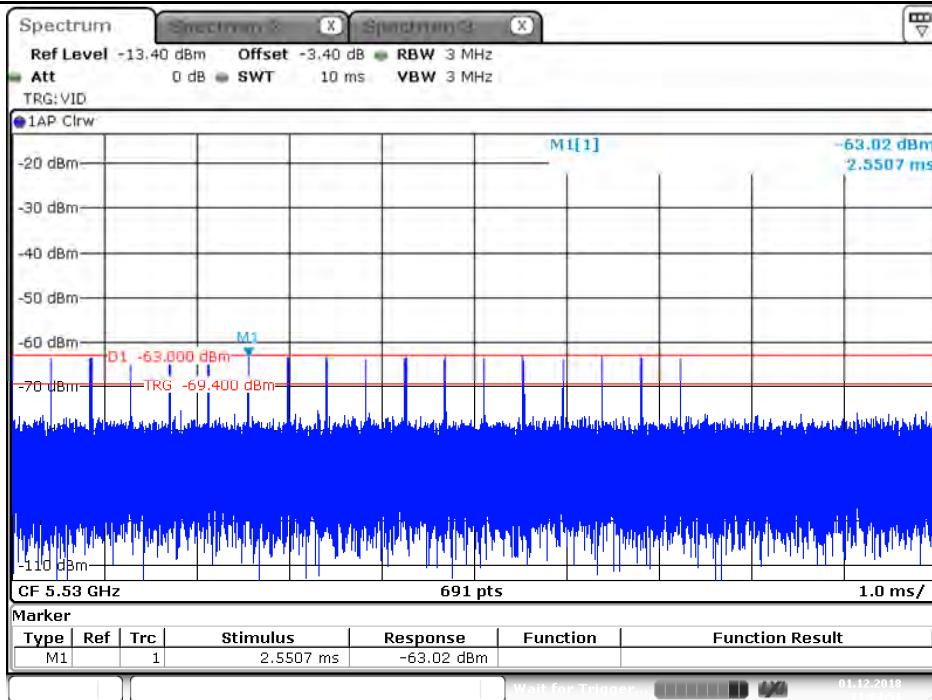
Date: 1.DEC.2018 11:03:11



Radar #2 DFS detection threshold level

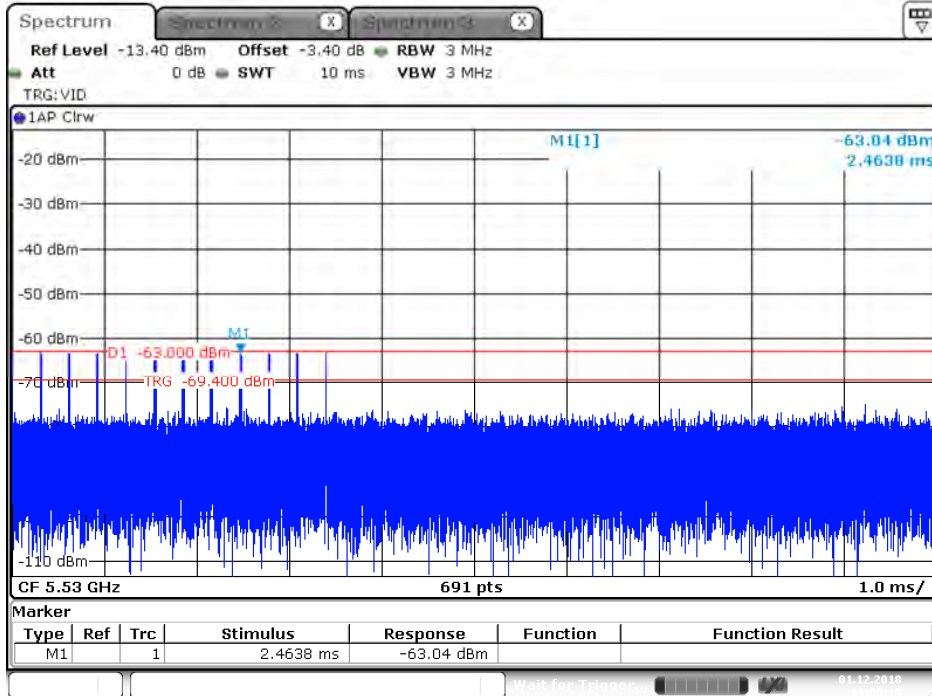


Radar #3 DFS detection threshold level

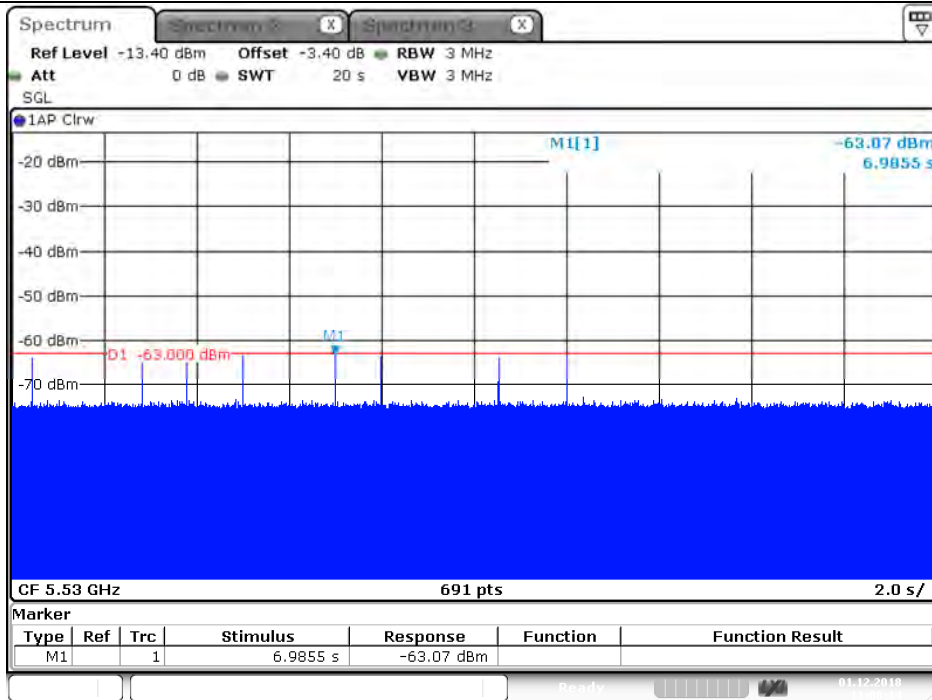




**Radar #4 DFS detection threshold level**

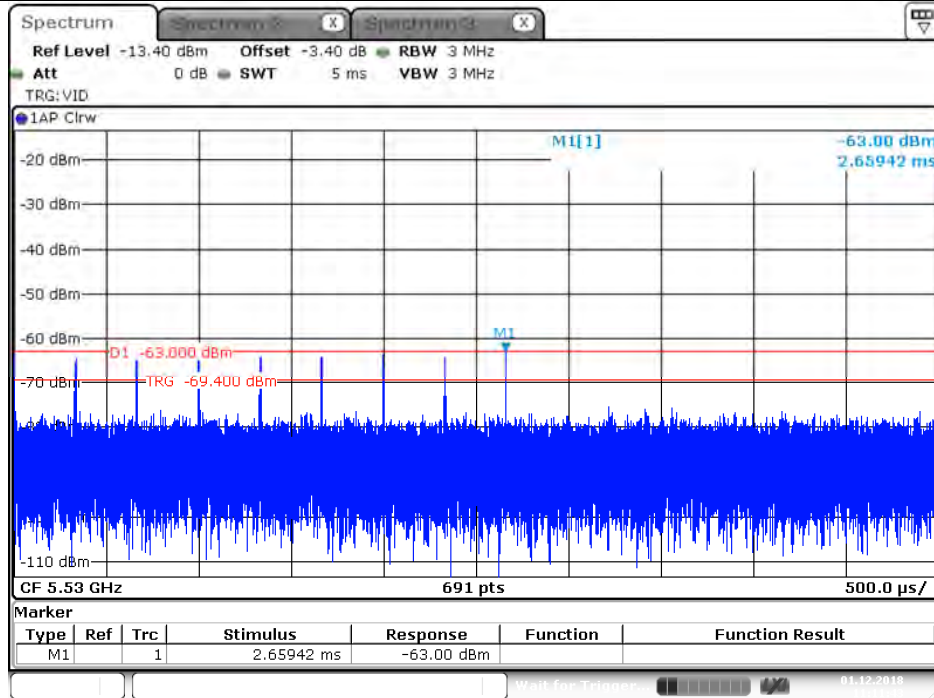


**Radar #5 DFS detection threshold level**





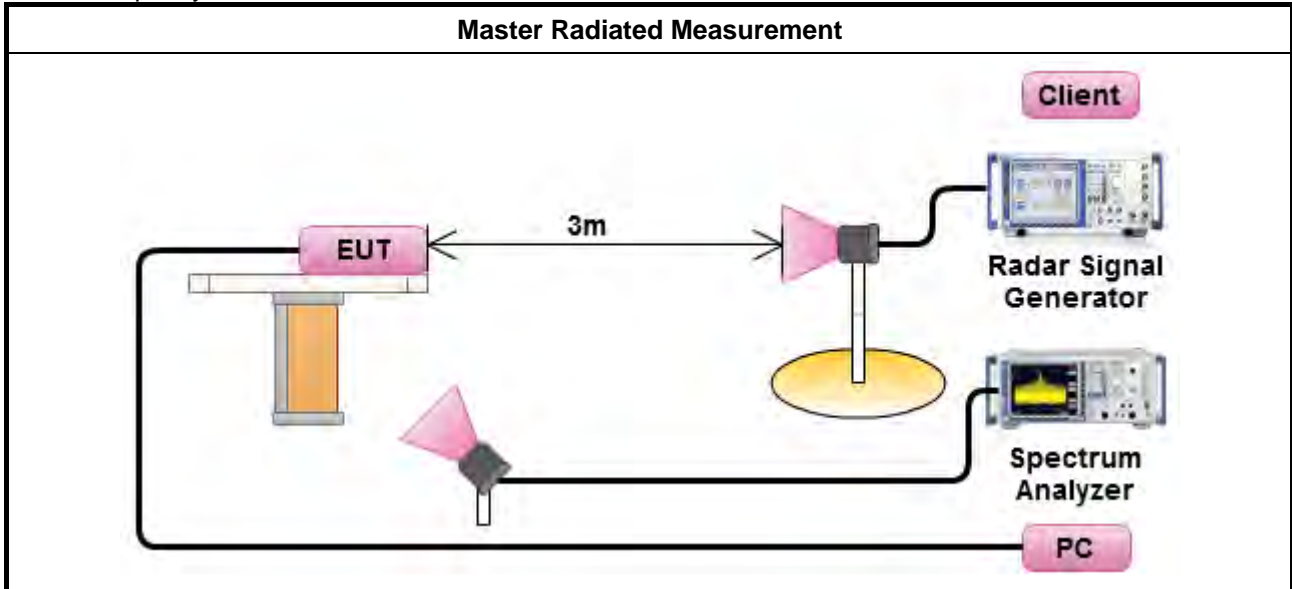
Radar #6 DFS detection threshold level



Date: 1.DEC.2018 11:11:43

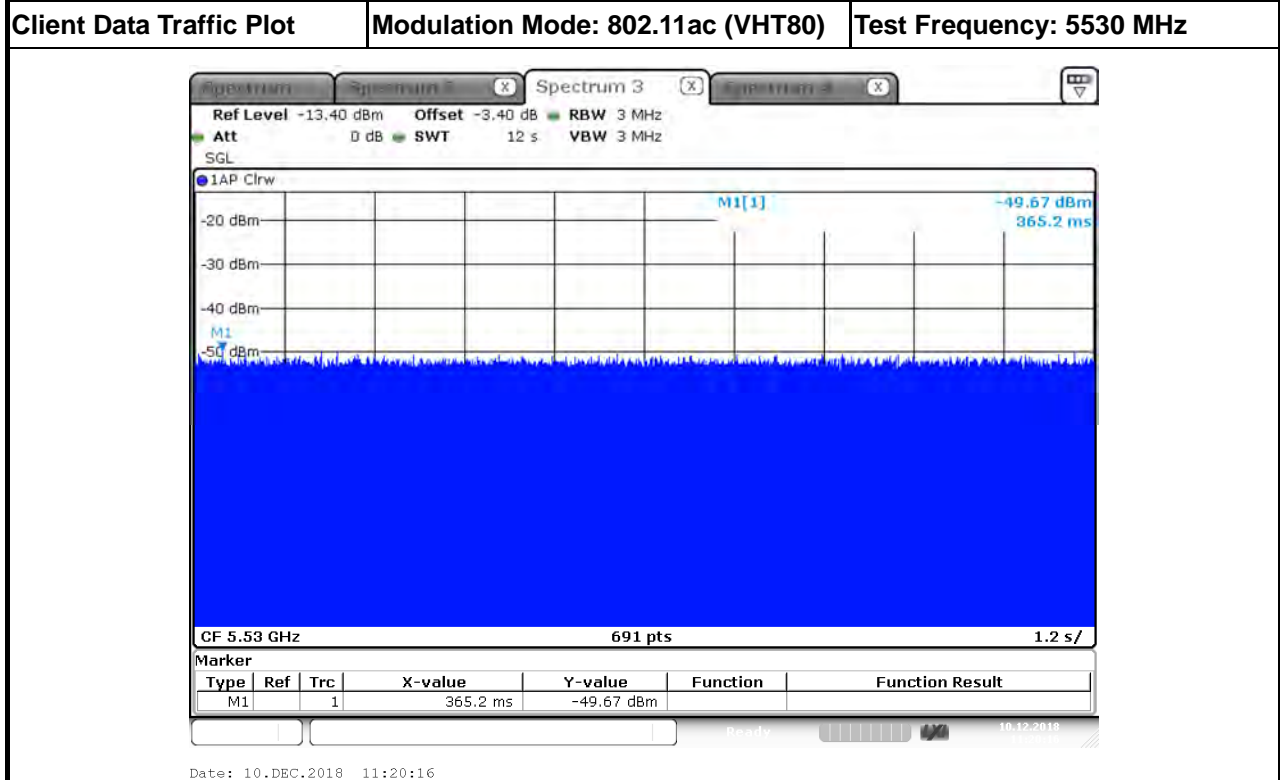
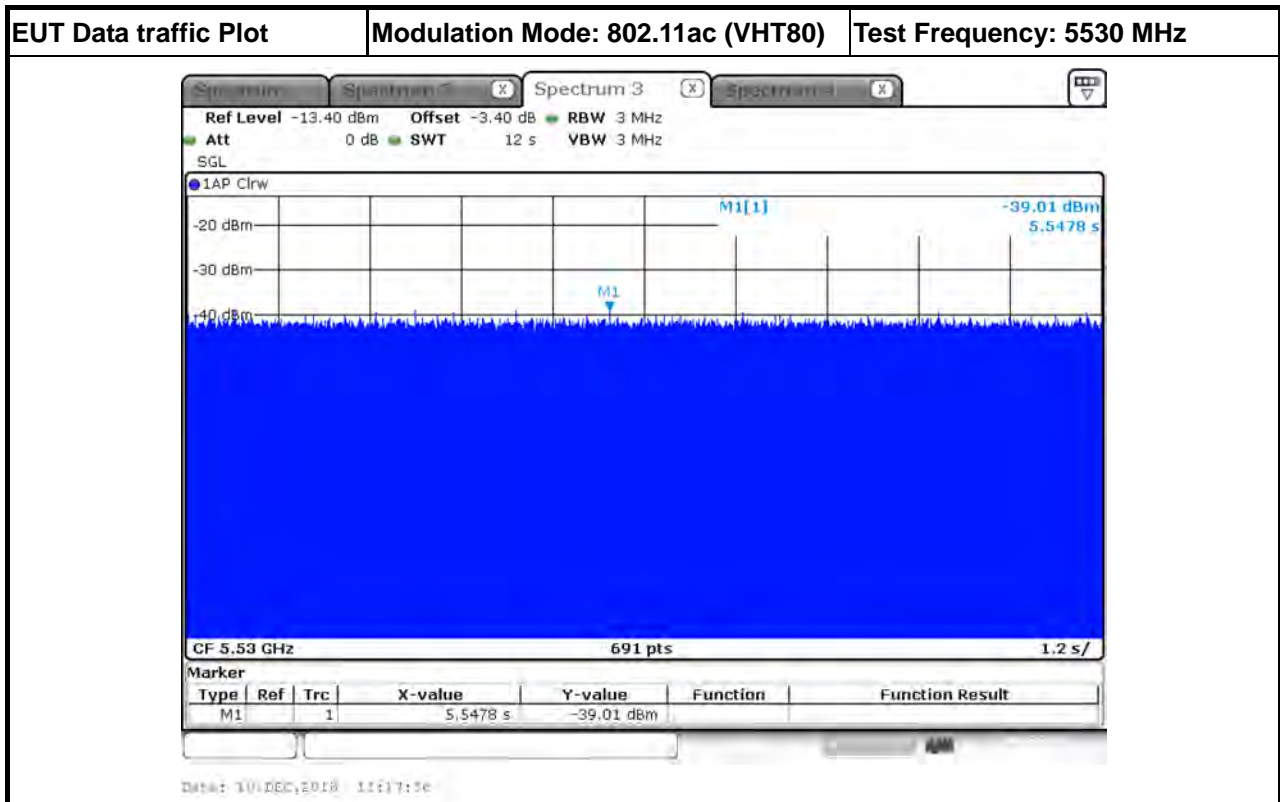
### 3.2.7 Test Setup

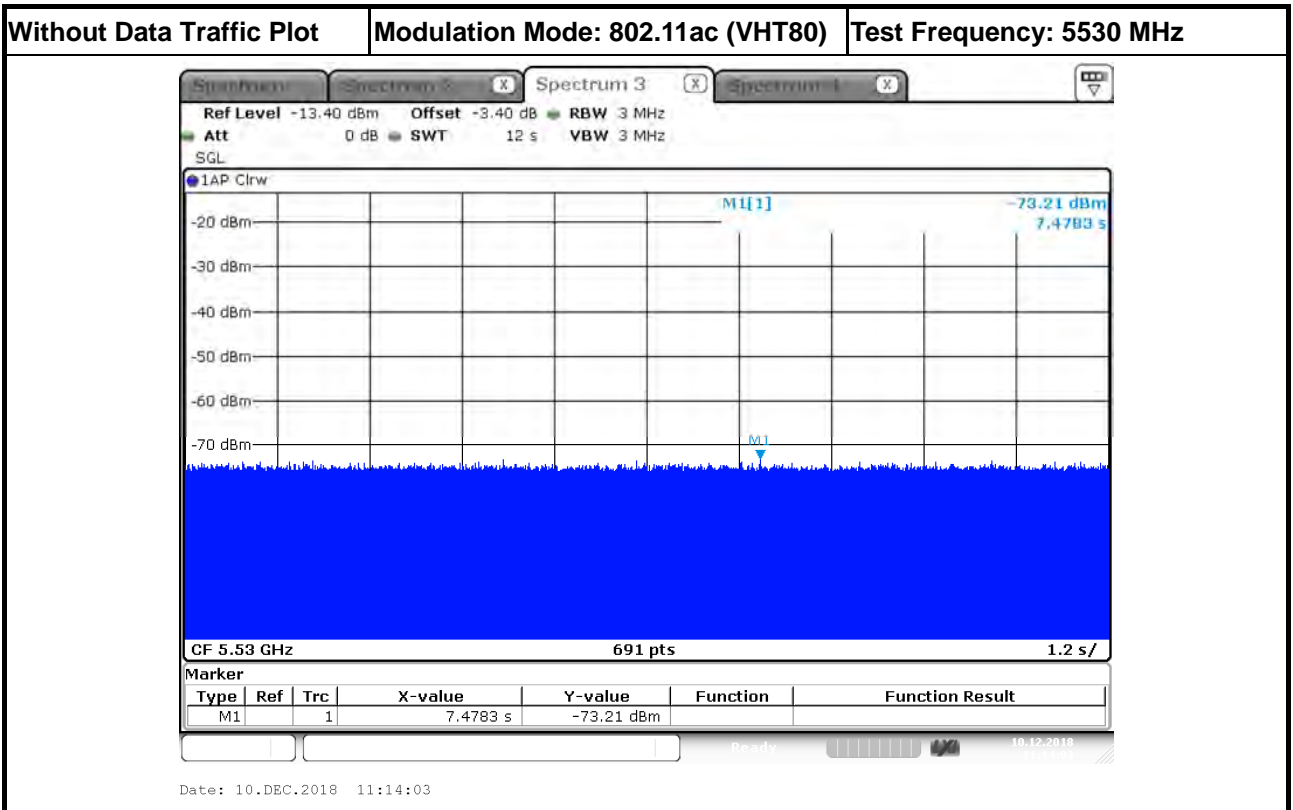
A spectrum analyzer is used as a monitor to verify that the EUT has vacated the Channel within the (Channel Closing Transmission Time and Channel Move Time, and does not transmit on a Channel during the Non-Occupancy Period after the detection and Channel move.





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                      | 36.903                       | 37  |
| 80                      | 74.384                       | 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 $F_L$ . 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 |                    |     |
| 5490  | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  | 0   |
| 5491(FL)  | 1   | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 90  |
| 5492  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5493  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5494  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5495  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5500  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5505  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5506  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5507  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5508  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5509(FH)  | 1   | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 90  |
| 5510  | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  | 0   |
| Radar Type 0-Detection Bandwidth (MHz) = (FH-FL) = (5509MHz-5491MHz)= |   |   |   |   |   |   |   |   |   |    | 18                 |     |
| 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 |                    |     |
| 5490  | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  | 0   |
| 5491(FL)  | 1   | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1  | 1                  | 90  |
| 5492  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5493  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5494  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5495  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5500  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5505  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5510  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5515  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5520  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5525  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5526  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5527  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5528  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5529(FH)  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0  | 0                  | 90  |
| 5530  | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  | 0   |
| Radar Type 0-Detection Bandwidth (MHz) = (FH-FL) = (5529MHz-5491MHz)= |   |   |   |   |   |   |   |   |   |    | 38                 |     |
| 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 |                    |
| 5490  | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| 5491(FL)  | 1   | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5492  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5495  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5500  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5505  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5510  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5515  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5520  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5525  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5530  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5535  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5540  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5545  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5550  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5555  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5560  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5567  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5568  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5569(FH)  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0  | 90                 |
| 5570  | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| Radar Type 0-Detection Bandwidth (MHz) = (FH-FL) = (5569MHz-5491MHz)= |   |   |   |   |   |   |   |   |   |    | 78                 |
| 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

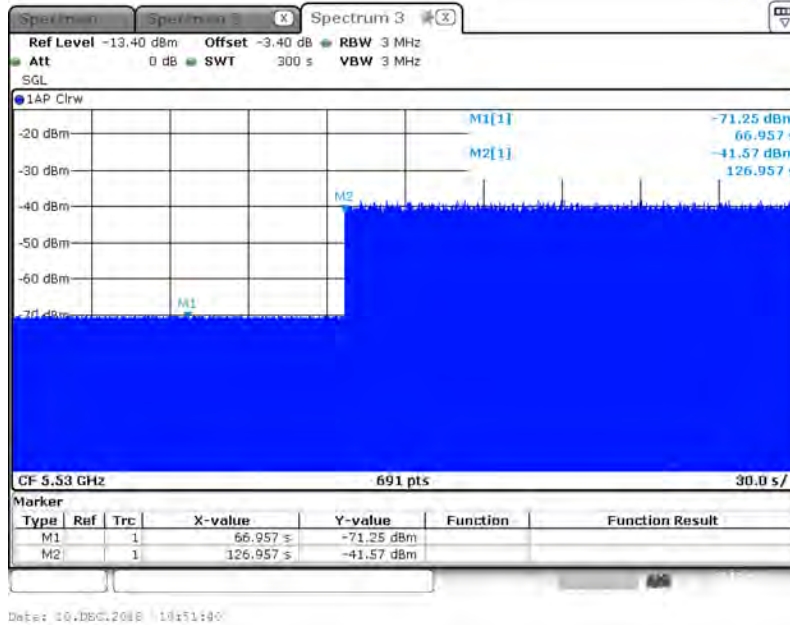
| Test Method                         |   |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | For Initial Channel Availability Check Time. The EUT does not emit beacon, control, or data signals on the test Channel until the power-up sequence has been completed and the 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 (66.957 sec). The initial CAC time of the EUT is indicated by marker 1 (66.957 sec). Initial beacons/data transmissions are indicated by marker 2 (126.957 sec).



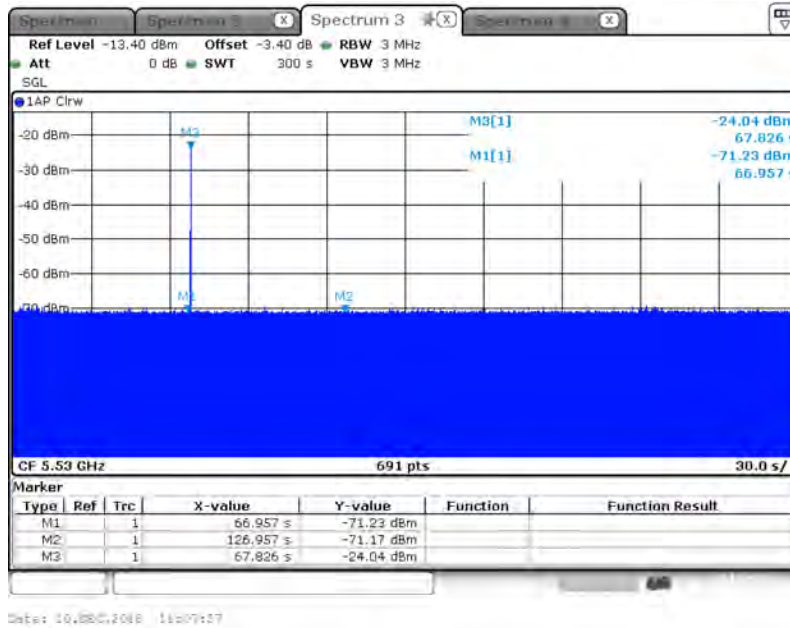
|             |          |
|-------------|----------|
| Test Result | Complied |
|-------------|----------|



### 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 232.174 seconds after the radar Burst has been generated. Verify that during the 300 seconds measurement window no EUT transmissions occurred.



Test Result

Complied

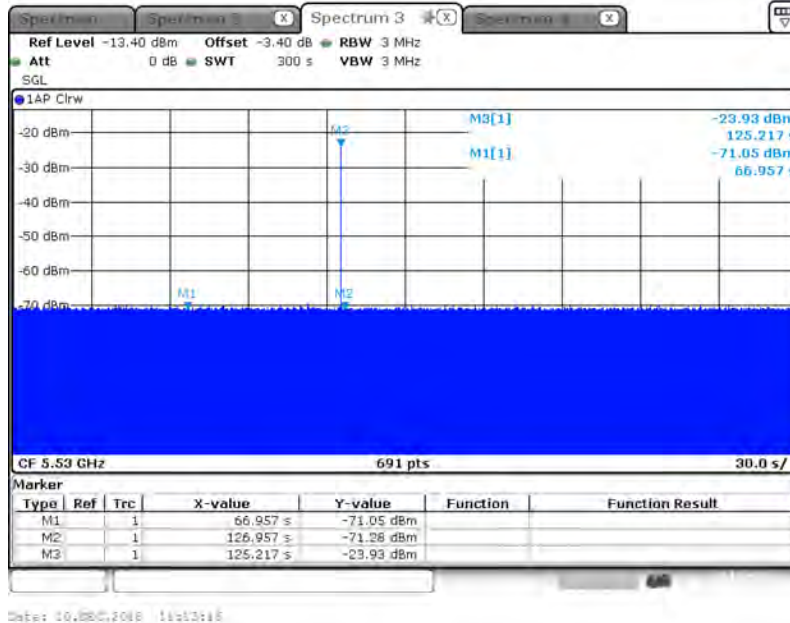




3.4.6 Test Result of Radar Burst at the End of the Channel Availability Check Time

| 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 174.783 seconds after the radar Burst has been generated. Verify that during the 300 seconds measurement window no EUT transmissions occurred.



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



### 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

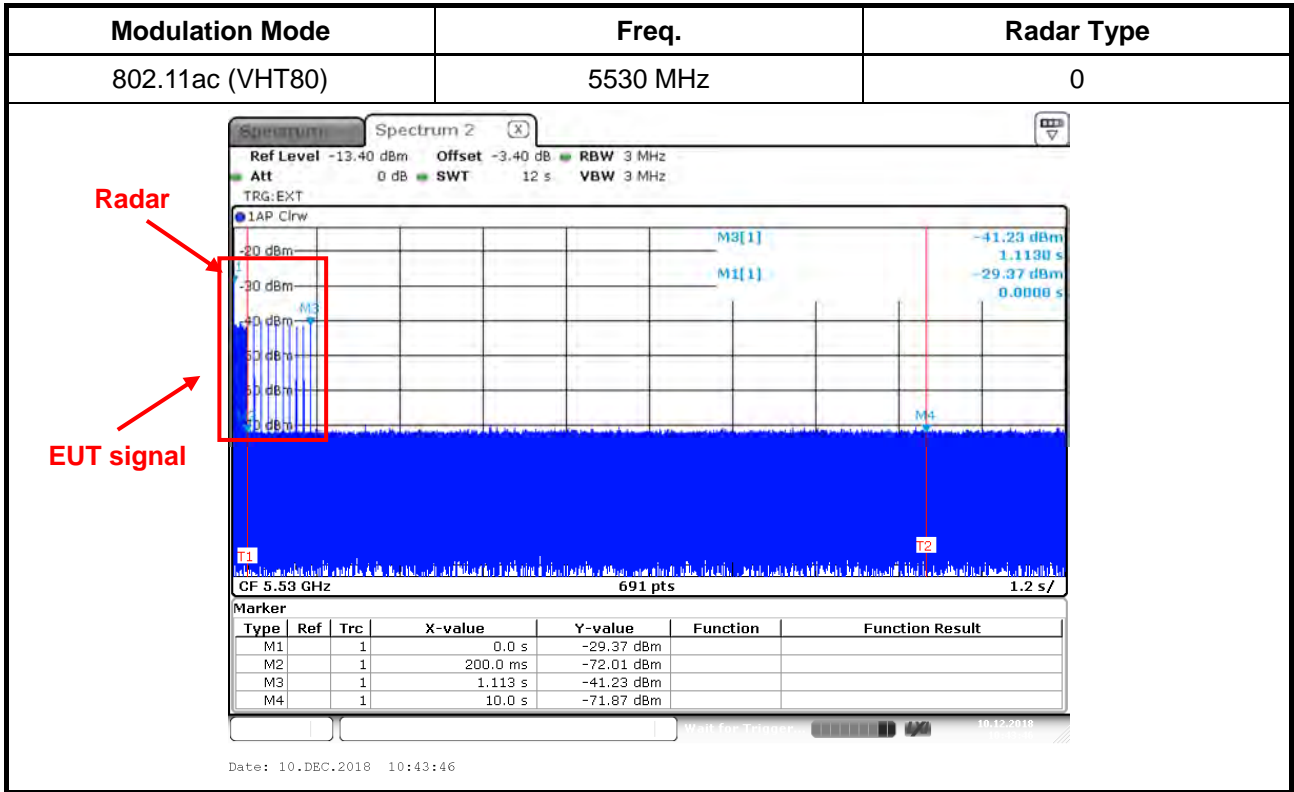
| Test Method                         |  |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Verified during In-Service Monitoring; Channel Closing Transmission Time, Channel Move Time. Client Device will associate with the EUT. Observe the transmissions of the EUT at 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.) | 1.113       | < 10s |





### 3.5.5 Test Result of Channel Closing Transmission Time

Modulation Mode: 802.11ac (VHT80)

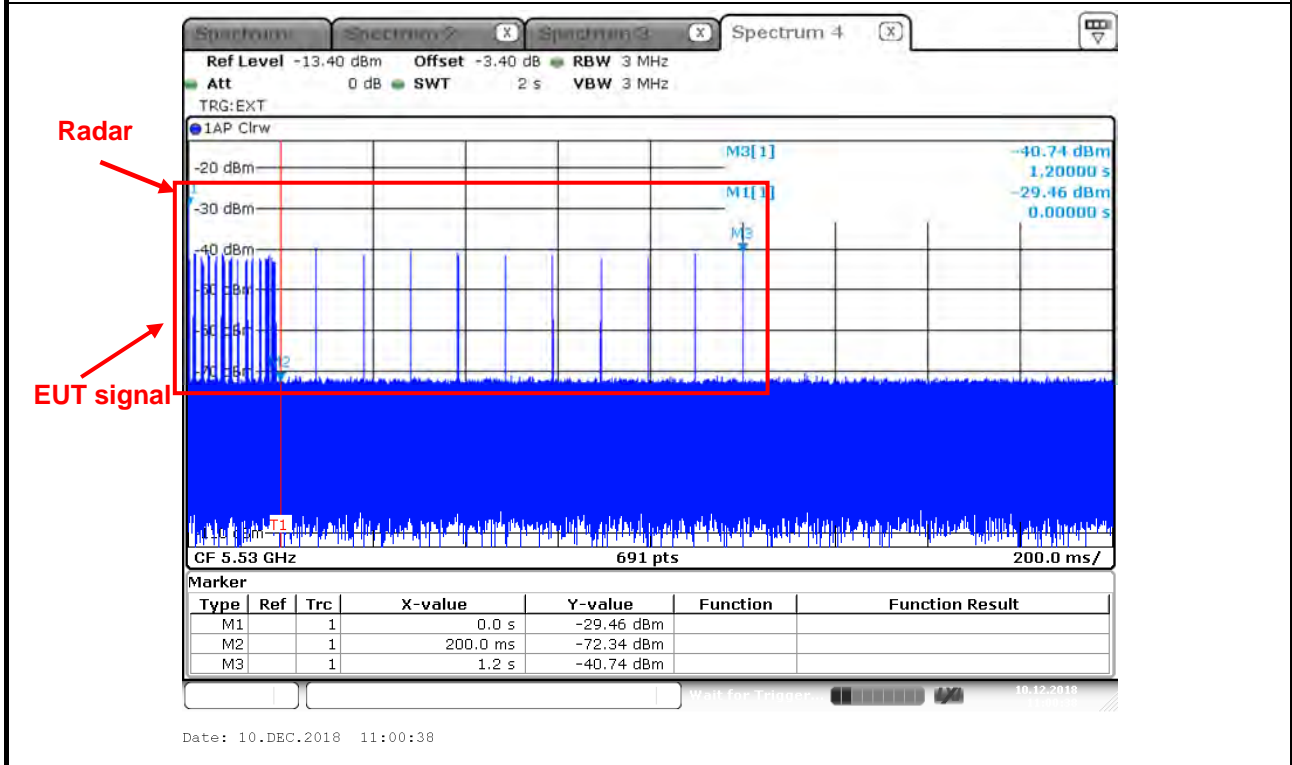
| Parameter                                     | Test Result | Limit  |
|---|-------------|--------|
|   | Type 0      |        |
| Test Channel (MHz)                            | 5530 MHz    | -      |
| Channel Closing Transmission Time (ms) (Note) | 31.884      | < 60ms |

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.



|                        |              |                   |
|------------------------|--------------|-------------------|
| <b>Modulation Mode</b> | <b>Freq.</b> | <b>Radar Type</b> |
| 802.11ac (VHT80)       | 5530 MHz     | 0                 |

Channel Closing Transmission Time is comprised of 200 ms starting at the beginning of the Channel Move Time plus 60ms additional intermittent control signals



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

$$\text{Dwell (2.899 ms)} = S (2000 \text{ ms}) / B (690)$$

$$C (31.884 \text{ ms}) = N (11) \times \text{Dwell (2.899 ms)}$$



### 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 |



| Modulation Mode  | Freq.    |      |          |            |          |                 |          |                 |    |  |   |          |            |  |  |
|--|----------|------|----------|------------|----------|-----------------|----------|-----------------|----|--|---|----------|------------|--|--|
| 802.11ac (VHT80)   | 5530 MHz |      |          |            |          |                 |          |                 |    |  |   |          |            |  |  |
| <b>Non-Occupancy Period</b>  |          |      |          |            |          |                 |          |                 |    |  |   |          |            |  |  |
| <p>During the 30 minutes observation time, UUT did not make any transmissions on a channel after a radar signal was detected on that channel by either the Channel Availability Check or the In-Service Monitoring.</p>  |          |      |          |            |          |                 |          |                 |    |  |   |          |            |  |  |
| <p>The screenshot shows a spectrum analyzer interface with a blue signal trace. A marker 'M1' is placed at 104.35 s with a value of -24.10 dBm. The frequency is set to 5.53 GHz. The interface includes various settings like Ref Level, Offset, RBW, Att, SWT, and VBW.</p> <table border="1" data-bbox="316 1167 1246 1234"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>104.35 s</td> <td>-24.10 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 10.DEC.2018 13:24:31</p> |          | Type | Ref      | Trc        | X-value  | Y-value         | Function | Function Result | M1 |  | 1 | 104.35 s | -24.10 dBm |  |  |
| Type   | Ref      | Trc  | X-value  | Y-value    | Function | Function Result |          |                 |    |  |   |          |            |  |  |
| M1   |          | 1    | 104.35 s | -24.10 dBm |          |                 |          |                 |    |  |   |          |            |  |  |





### 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 Frequency Number | Pulse Repetition Frequency (Pulse Per Second) | PRI (us) | 1=Detection<br>0=No Detection |
|--------------------------|------------------|-----------------------------------|---|----------|-------------------------------|
| 1                        | 5508             | 1                                 | 1930.5  | 518      | 1                             |
| 2                        | 5493             | 23                                | 326.2   | 3066     | 1                             |
| 3                        | 5508             | 19                                | 1139.0  | 878      | 1                             |
| 4                        | 5507             | 12                                | 1355.0  | 738      | 1                             |
| 5                        | 5496             | 4                                 | 1730.1  | 578      | 1                             |
| 6                        | 5506             | 8                                 | 1519.8  | 658      | 1                             |
| 7                        | 5498             | 15                                | 1253.1  | 798      | 1                             |
| 8                        | 5508             | 6                                 | 1618.1  | 618      | 0                             |
| 9                        | 5508             | 14                                | 1285.3  | 778      | 1                             |
| 10                       | 5493             | 3                                 | 1792.1  | 558      | 1                             |
| 11                       | 5502             | 13                                | 1319.3  | 758      | 1                             |
| 12                       | 5499             | 9                                 | 1474.9  | 678      | 1                             |
| 13                       | 5505             | 7                                 | 1567.4  | 638      | 0                             |
| 14                       | 5494             | 17                                | 1193.3  | 838      | 1                             |
| 15                       | 5492             | 10                                | 1432.7  | 698      | 1                             |
| 16                       | 5504             | -                                 | 1692.0  | 591      | 1                             |
| 17                       | 5493             | -                                 | 328.1   | 3048     | 1                             |
| 18                       | 5498             | -                                 | 373.4   | 2678     | 1                             |
| 19                       | 5491             | -                                 | 574.4   | 1741     | 1                             |
| 20                       | 5493             | -                                 | 1216.5  | 822      | 1                             |
| 21                       | 5494             | -                                 | 801.3   | 1248     | 1                             |
| 22                       | 5506             | -                                 | 488.5   | 2047     | 1                             |
| 23                       | 5498             | -                                 | 956.0   | 1046     | 1                             |
| 24                       | 5503             | -                                 | 517.6   | 1932     | 1                             |
| 25                       | 5501             | -                                 | 1422.5  | 703      | 1                             |
| 26                       | 5496             | -                                 | 542.0   | 1845     | 1                             |
| 27                       | 5509             | -                                 | 741.3   | 1349     | 1                             |
| 28                       | 5502             | -                                 | 881.8   | 1134     | 1                             |
| 29                       | 5504             | -                                 | 427.4   | 2340     | 1                             |
| 30                       | 5501             | -                                 | 628.9   | 1590     | 1                             |
| Detection Percentage (%) |                  |                                   |   |          | 93.333                        |
| Limit                    |                  |                                   |   |          | 60%                           |
| <b>Test Result</b>       |                  |                                   |   |          | <b>Complied</b>               |



Type 2 Radar Statistical Performance

| Trial #                  | Test Freq. (MHz) | Pulse Width (us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|------------------|------------------|----------|----------------|-------------------------------|
| 1                        | 5503             | 2.6              | 221      | 23             | 1                             |
| 2                        | 5494             | 4.6              | 198      | 27             | 1                             |
| 3                        | 5493             | 1.1              | 184      | 29             | 1                             |
| 4                        | 5493             | 4.8              | 203      | 24             | 1                             |
| 5                        | 5507             | 2.4              | 162      | 25             | 1                             |
| 6                        | 5497             | 3.4              | 204      | 28             | 1                             |
| 7                        | 5507             | 2.3              | 170      | 27             | 0                             |
| 8                        | 5507             | 3.5              | 184      | 23             | 1                             |
| 9                        | 5500             | 4.9              | 150      | 27             | 1                             |
| 10                       | 5499             | 4.6              | 211      | 29             | 1                             |
| 11                       | 5507             | 2.9              | 158      | 23             | 1                             |
| 12                       | 5492             | 2.6              | 226      | 27             | 1                             |
| 13                       | 5501             | 1.6              | 204      | 26             | 1                             |
| 14                       | 5496             | 3.9              | 181      | 25             | 1                             |
| 15                       | 5499             | 4.6              | 202      | 24             | 1                             |
| 16                       | 5494             | 4.1              | 194      | 27             | 1                             |
| 17                       | 5502             | 2.3              | 193      | 28             | 1                             |
| 18                       | 5497             | 3.9              | 173      | 29             | 1                             |
| 19                       | 5508             | 4.3              | 188      | 23             | 0                             |
| 20                       | 5504             | 1.5              | 215      | 26             | 1                             |
| 21                       | 5496             | 4.9              | 227      | 27             | 1                             |
| 22                       | 5500             | 1.1              | 199      | 23             | 1                             |
| 23                       | 5500             | 4.5              | 155      | 29             | 1                             |
| 24                       | 5501             | 4.0              | 190      | 27             | 1                             |
| 25                       | 5508             | 2.4              | 151      | 23             | 1                             |
| 26                       | 5506             | 2.5              | 180      | 28             | 1                             |
| 27                       | 5497             | 2.5              | 228      | 23             | 1                             |
| 28                       | 5499             | 2.5              | 203      | 25             | 1                             |
| 29                       | 5494             | 1.5              | 188      | 25             | 1                             |
| 30                       | 5506             | 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                        | 5508             | 8.0              | 205      | 16             | 1                               |
| 2                        | 5506             | 6.7              | 382      | 18             | 1                               |
| 3                        | 5495             | 8.6              | 418      | 16             | 1                               |
| 4                        | 5504             | 9.4              | 351      | 17             | 0                               |
| 5                        | 5499             | 7.4              | 383      | 18             | 1                               |
| 6                        | 5508             | 9.8              | 232      | 16             | 1                               |
| 7                        | 5506             | 9.1              | 377      | 17             | 1                               |
| 8                        | 5509             | 9.6              | 457      | 16             | 1                               |
| 9                        | 5508             | 8.0              | 471      | 18             | 0                               |
| 10                       | 5502             | 9.0              | 304      | 18             | 1                               |
| 11                       | 5501             | 8.0              | 316      | 17             | 1                               |
| 12                       | 5497             | 9.8              | 325      | 16             | 1                               |
| 13                       | 5503             | 8.0              | 409      | 17             | 1                               |
| 14                       | 5496             | 9.9              | 200      | 17             | 1                               |
| 15                       | 5492             | 8.8              | 458      | 16             | 1                               |
| 16                       | 5508             | 8.0              | 232      | 18             | 1                               |
| 17                       | 5508             | 8.3              | 250      | 16             | 0                               |
| 18                       | 5499             | 8.7              | 270      | 16             | 1                               |
| 19                       | 5493             | 7.7              | 350      | 17             | 1                               |
| 20                       | 5494             | 7.1              | 230      | 16             | 1                               |
| 21                       | 5497             | 7.3              | 416      | 18             | 1                               |
| 22                       | 5505             | 7.6              | 498      | 18             | 1                               |
| 23                       | 5494             | 7.3              | 286      | 17             | 1                               |
| 24                       | 5506             | 7.3              | 287      | 16             | 1                               |
| 25                       | 5504             | 7.5              | 462      | 17             | 1                               |
| 26                       | 5501             | 6.2              | 300      | 17             | 1                               |
| 27                       | 5508             | 6.4              | 323      | 18             | 1                               |
| 28                       | 5508             | 7.1              | 420      | 16             | 1                               |
| 29                       | 5497             | 7.2              | 395      | 18             | 1                               |
| 30                       | 5496             | 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                        | 5491                    | 18.0                    | 242             | 15                    | 1                                     |
| 2                        | 5504                    | 19.9                    | 279             | 12                    | 1                                     |
| 3                        | 5509                    | 12.9                    | 487             | 14                    | 1                                     |
| 4                        | 5493                    | 15.0                    | 452             | 13                    | 1                                     |
| 5                        | 5507                    | 16.3                    | 230             | 12                    | 1                                     |
| 6                        | 5507                    | 19.8                    | 238             | 13                    | 1                                     |
| 7                        | 5508                    | 18.2                    | 420             | 16                    | 1                                     |
| 8                        | 5504                    | 16.3                    | 452             | 15                    | 1                                     |
| 9                        | 5501                    | 14.2                    | 495             | 12                    | 1                                     |
| 10                       | 5506                    | 17.8                    | 228             | 16                    | 1                                     |
| 11                       | 5499                    | 19.1                    | 211             | 16                    | 1                                     |
| 12                       | 5506                    | 18.4                    | 283             | 15                    | 0                                     |
| 13                       | 5507                    | 11.8                    | 411             | 12                    | 1                                     |
| 14                       | 5493                    | 14.2                    | 284             | 13                    | 1                                     |
| 15                       | 5495                    | 13.9                    | 202             | 12                    | 0                                     |
| 16                       | 5509                    | 17.8                    | 340             | 14                    | 1                                     |
| 17                       | 5499                    | 15.6                    | 290             | 16                    | 1                                     |
| 18                       | 5493                    | 14.6                    | 250             | 16                    | 0                                     |
| 19                       | 5496                    | 14.4                    | 484             | 15                    | 1                                     |
| 20                       | 5496                    | 18.9                    | 387             | 13                    | 1                                     |
| 21                       | 5505                    | 11.1                    | 348             | 15                    | 1                                     |
| 22                       | 5492                    | 13.8                    | 291             | 16                    | 1                                     |
| 23                       | 5503                    | 14.3                    | 295             | 12                    | 1                                     |
| 24                       | 5507                    | 12.5                    | 300             | 12                    | 1                                     |
| 25                       | 5506                    | 12.5                    | 322             | 14                    | 1                                     |
| 26                       | 5507                    | 12.5                    | 383             | 13                    | 1                                     |
| 27                       | 5499                    | 15.7                    | 322             | 16                    | 1                                     |
| 28                       | 5491                    | 19.8                    | 469             | 13                    | 1                                     |
| 29                       | 5494                    | 18.6                    | 406             | 15                    | 1                                     |
| 30                       | 5509                    | 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                           | 93.333                          |
| 2                           | 93.333                          |
| 3                           | 90.000                          |
| 4                           | 90.000                          |
| Aggregate (Radar Types 1-4) | 91.667                          |
| 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            | 0               |
| 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               | 5497            | 1               |
| 12                       | 16             | 6.4             | 5497            | 1               |
| 13                       | 17             | 6.8             | 5498            | 1               |
| 14                       | 20             | 8               | 5499            | 1               |
| 15                       | 19             | 7.6             | 5499            | 1               |
| 16                       | 18             | 7.2             | 5498            | 1               |
| 17                       | 17             | 6.8             | 5498            | 1               |
| 18                       | 16             | 6.4             | 5497            | 0               |
| 19                       | 15             | 6               | 5497            | 1               |
| 20                       | 14             | 5.6             | 5497            | 1               |
| 21                       | 13             | 5.2             | 5503            | 1               |
| 22                       | 12             | 4.8             | 5504            | 1               |
| 23                       | 11             | 4.4             | 5504            | 1               |
| 24                       | 10             | 4               | 5505            | 1               |
| 25                       | 9              | 3.6             | 5505            | 1               |
| 26                       | 8              | 3.2             | 5505            | 1               |
| 27                       | 18             | 7.2             | 5506            | 1               |
| 28                       | 19             | 7.6             | 5502            | 1               |
| 29                       | 20             | 8               | 5501            | 1               |
| 30                       | 5              | 2               | 5501            | 1               |
| Total                    |                |                 |                 | 28              |
| Detection Percentage (%) |                |                 |                 | 93%             |
| Limit                    |                |                 |                 | 80%             |
| <b>Test Result</b>       |                |                 |                 | <b>Complied</b> |



| Trial Number                                  |               |                  |                   |                           |                           |  | 1    |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| Number of Bursts in Trial                     |               |                  |                   |                           |                           |  | 8    |
| 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             | 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    |

| Trial Number                                  |               |                  |                   |                           |                           |  | 2    |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| Number of Bursts in Trial                     |               |                  |                   |                           |                           |  | 9    |
| Chirp Center Frequency                        |               |                  |                   |                           |                           |  | 5500 |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1   | 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 |
| 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) |               |                  |                   |                           |                           |  | 0    |

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



| <b>Trial Number</b>                           |               |                  | 5                 |                           |                           |  |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|
| <b>Number of Bursts in Trial</b>              |               |                  | 12                |                           |                           |  |
| <b>Chirp Center Frequency</b>                 |               |                  | 5500              |                           |                           |  |
| 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                                      |

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

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



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



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



| <b>Trial Number</b>                                  |                      |                         | 11                       |                                  |                                  |   |
|--|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|---|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 18                       |                                  |                                  |   |
| <b>Chirp Center Frequency</b>                        |                      |                         | 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                    | 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>                        |                      |                         | 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                    | 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   |



| Trial Number                                  |               |                  |                   |                           |                           |  | 13   |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| Number of Bursts in Trial                     |               |                  |                   |                           |                           |  | 20   |
| 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             | 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    |

| Trial Number                                  |               |                  |                   |                           |                           |  | 14   |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| Number of Bursts in Trial                     |               |                  |                   |                           |                           |  | 8    |
| Chirp Center Frequency                        |               |                  |                   |                           |                           |  | 5499 |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1   | 2             | 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>                 |               |                  |                   |                           |                           |  | 5499 |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1   | 2             | 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>                 |               |                  |                   |                           |                           |  | 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             | 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>                 |               |                  |                   |                           |                           |  | 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             | 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>                 |               |                  |                   |                           |                           |  | 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             | 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) |               |                  |                   |                           |                           |  | 0    |



| <b>Trial Number</b>                           |               |                  |                   |                           |                           |  | 19   |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>              |               |                  |                   |                           |                           |  | 13   |
| <b>Chirp Center Frequency</b>                 |               |                  |                   |                           |                           |  | 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             | 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>                 |               |                  |                   |                           |                           |  | 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   | 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>                 |               |                  |                   |                           |                           |  | 5503 |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1   | 1             | 85.1             | 13                | -                         | -                         | 565                                    |      |
| 2   | 2             | 72.5             | 13                | 1648                      | -                         | 211                                    |      |
| 3   | 1             | 67.5             | 13                | -                         | -                         | 348                                    |      |
| 4   | 2             | 56.1             | 13                | 1360                      | -                         | 156                                    |      |
| 5   | 1             | 71.1             | 13                | -                         | -                         | 718                                    |      |
| 6   | 2             | 93.1             | 13                | 1391                      | -                         | 400                                    |      |
| 7   | 1             | 56.5             | 13                | -                         | -                         | 482                                    |      |
| 8   | 1             | 63.8             | 13                | -                         | -                         | 703                                    |      |
| 9   | 2             | 67.4             | 13                | 1727                      | -                         | 780                                    |      |
| 10  | 1             | 52.3             | 13                | -                         | -                         | 102                                    |      |
| 11  | 3             | 62.4             | 13                | 1228                      | 1715                      | 304                                    |      |
| 12  | 2             | 53.3             | 13                | 1630                      | -                         | 57                                     |      |
| 13  | 2             | 83.1             | 13                | 1205                      | -                         | 768                                    |      |
| 14  | 2             | 93.7             | 13                | 1085                      | -                         | 461                                    |      |
| 15  | 2             | 90.7             | 13                | 1297                      | -                         | 746                                    |      |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           |  | 1    |

| <b>Trial Number</b>                           |               |                  |                   |                           |                           |  | 22   |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>              |               |                  |                   |                           |                           |  | 16   |
| <b>Chirp Center Frequency</b>                 |               |                  |                   |                           |                           |  | 5504 |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1   | 2             | 98.8             | 12                | 1439                      | -                         | 95                                     |      |
| 2   | 1             | 54.5             | 12                | -                         | -                         | 676                                    |      |
| 3   | 2             | 80.5             | 12                | 1360                      | -                         | 8                                      |      |
| 4   | 2             | 55.9             | 12                | 1906                      | -                         | 373                                    |      |
| 5   | 2             | 72.1             | 12                | 1623                      | -                         | 254                                    |      |
| 6   | 2             | 84.4             | 12                | 1604                      | -                         | 480                                    |      |
| 7   | 1             | 78.5             | 12                | -                         | -                         | 663                                    |      |
| 8   | 1             | 88               | 12                | -                         | -                         | 314                                    |      |
| 9   | 2             | 74.7             | 12                | 1157                      | -                         | 596                                    |      |
| 10  | 2             | 97.1             | 12                | 1673                      | -                         | 264                                    |      |
| 11  | 1             | 81.6             | 12                | -                         | -                         | 740                                    |      |
| 12  | 1             | 83.6             | 12                | -                         | -                         | 163                                    |      |
| 13  | 3             | 87.6             | 12                | 1757                      | 1322                      | 628                                    |      |
| 14  | 2             | 58.5             | 12                | 1372                      | -                         | 132                                    |      |
| 15  | 3             | 91.8             | 12                | 1767                      | 1183                      | 106                                    |      |
| 16  | 2             | 58.8             | 12                | 1432                      | -                         | 659                                    |      |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           |  | 1    |



| <b>Trial Number</b>                                  |                      |                         | 23                       |                                  |                                  |   |
|--|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|---|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 17                       |                                  |                                  |   |
| <b>Chirp Center Frequency</b>                        |                      |                         | 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                    | 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   |



| Trial Number                                  |               |                  | 25                |                           |                           |  |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|
| Number of Bursts in Trial                     |               |                  | 19                |                           |                           |  |
| Chirp Center Frequency                        |               |                  | 5505              |                           |                           |  |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1   | 3             | 68.2             | 9                 | 1723                      | 1868                      | 471                                    |
| 2   | 3             | 83.7             | 9                 | 1711                      | 1405                      | 368                                    |
| 3   | 2             | 69.7             | 9                 | 1781                      | -                         | 425                                    |
| 4   | 1             | 59.7             | 9                 | -                         | -                         | 440                                    |
| 5   | 2             | 96.7             | 9                 | 1484                      | -                         | 123                                    |
| 6   | 2             | 95.8             | 9                 | 1319                      | -                         | 261                                    |
| 7   | 3             | 71.3             | 9                 | 1095                      | 1354                      | 332                                    |
| 8   | 3             | 53.2             | 9                 | 1527                      | 1427                      | 427                                    |
| 9   | 2             | 69.5             | 9                 | 1771                      | -                         | 397                                    |
| 10  | 3             | 63.9             | 9                 | 1075                      | 1447                      | 67                                     |
| 11  | 2             | 93.4             | 9                 | 1783                      | -                         | 174                                    |
| 12  | 2             | 77.3             | 9                 | 1564                      | -                         | 17                                     |
| 13  | 2             | 73.1             | 9                 | 1294                      | -                         | 216                                    |
| 14  | 1             | 77.4             | 9                 | -                         | -                         | 292                                    |
| 15  | 3             | 57.2             | 9                 | 1722                      | 1886                      | 619                                    |
| 16  | 2             | 68.7             | 9                 | 1629                      | -                         | 233                                    |
| 17  | 1             | 60.8             | 9                 | -                         | -                         | 226                                    |
| 18  | 3             | 69.7             | 9                 | 1128                      | 1224                      | 599                                    |
| 19  | 1             | 62.2             | 9                 | -                         | -                         | 433                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |



| <b>Trial Number</b>                           |               |                  |                   |                           |                           |  | 26   |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>              |               |                  |                   |                           |                           |  | 20   |
| <b>Chirp Center Frequency</b>                 |               |                  |                   |                           |                           |  | 5505 |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1   | 1             | 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>                 |               |                  |                   |                           |                           |  | 5506 |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1   | 2             | 69.1             | 18                | 1076                      | -                         | 1436                                   |      |
| 2   | 2             | 62.1             | 18                | 1688                      | -                         | 22                                     |      |
| 3   | 2             | 94.8             | 18                | 1891                      | -                         | 897                                    |      |
| 4   | 1             | 75.8             | 18                | -                         | -                         | 1186                                   |      |
| 5   | 2             | 65.4             | 18                | 1713                      | -                         | 589                                    |      |
| 6   | 2             | 97.7             | 18                | 1292                      | -                         | 614                                    |      |
| 7   | 3             | 98.1             | 18                | 1670                      | 1711                      | 506                                    |      |
| 8   | 2             | 85.4             | 18                | 1672                      | -                         | 776                                    |      |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           |  | 1    |





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

| <b>Trial Number</b>                           |               |                  |                   |                           |                           |  | 29   |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>              |               |                  |                   |                           |                           |  | 10   |
| <b>Chirp Center Frequency</b>                 |               |                  |                   |                           |                           |  | 5501 |
| 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    |



| Trial Number                                  |               | 30               |                   |                           |                           |  |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|
| Number of Bursts in Trial                     |               | 11               |                   |                           |                           |  |
| Chirp Center Frequency                        |               | 5501             |                   |                           |                           |  |
| 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             | 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                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 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

| Trial #                  | Test Freq. (MHz) | Pulse Repetition Frequency Number | Pulse Repetition Frequency (Pulse Per Second) | PRI (us) | 1=Detection<br>0=No Detection |
|--------------------------|------------------|-----------------------------------|---|----------|-------------------------------|
| 1                        | 5514             | 1                                 | 1930.5  | 518      | 1                             |
| 2                        | 5528             | 23                                | 326.2   | 3066     | 1                             |
| 3                        | 5504             | 19                                | 1139.0  | 878      | 1                             |
| 4                        | 5494             | 12                                | 1355.0  | 738      | 1                             |
| 5                        | 5497             | 4                                 | 1730.1  | 578      | 1                             |
| 6                        | 5493             | 8                                 | 1519.8  | 658      | 1                             |
| 7                        | 5528             | 15                                | 1253.1  | 798      | 0                             |
| 8                        | 5518             | 6                                 | 1618.1  | 618      | 1                             |
| 9                        | 5491             | 14                                | 1285.3  | 778      | 1                             |
| 10                       | 5511             | 3                                 | 1792.1  | 558      | 1                             |
| 11                       | 5501             | 13                                | 1319.3  | 758      | 0                             |
| 12                       | 5506             | 9                                 | 1474.9  | 678      | 1                             |
| 13                       | 5506             | 7                                 | 1567.4  | 638      | 1                             |
| 14                       | 5497             | 17                                | 1193.3  | 838      | 1                             |
| 15                       | 5500             | 10                                | 1432.7  | 698      | 1                             |
| 16                       | 5528             | -                                 | 1692.0  | 591      | 1                             |
| 17                       | 5512             | -                                 | 328.1   | 3048     | 1                             |
| 18                       | 5495             | -                                 | 373.4   | 2678     | 1                             |
| 19                       | 5498             | -                                 | 574.4   | 1741     | 1                             |
| 20                       | 5503             | -                                 | 1216.5  | 822      | 1                             |
| 21                       | 5511             | -                                 | 801.3   | 1248     | 1                             |
| 22                       | 5513             | -                                 | 488.5   | 2047     | 1                             |
| 23                       | 5508             | -                                 | 956.0   | 1046     | 0                             |
| 24                       | 5502             | -                                 | 517.6   | 1932     | 1                             |
| 25                       | 5521             | -                                 | 1422.5  | 703      | 1                             |
| 26                       | 5517             | -                                 | 542.0   | 1845     | 1                             |
| 27                       | 5519             | -                                 | 741.3   | 1349     | 1                             |
| 28                       | 5509             | -                                 | 881.8   | 1134     | 1                             |
| 29                       | 5508             | -                                 | 427.4   | 2340     | 1                             |
| 30                       | 5526             | -                                 | 628.9   | 1590     | 1                             |
| Detection Percentage (%) |                  |                                   |   |          | 90.000                        |
| Limit                    |                  |                                   |   |          | 60%                           |
| <b>Test Result</b>       |                  |                                   |   |          | <b>Complied</b>               |



Type 2 Radar Statistical Performance

| Trial #                  | Test Freq. (MHz) | Pulse Width (us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|------------------|------------------|----------|----------------|-------------------------------|
| 1                        | 5514             | 2.6              | 221      | 23             | 1                             |
| 2                        | 5503             | 4.6              | 198      | 27             | 1                             |
| 3                        | 5509             | 1.1              | 184      | 29             | 1                             |
| 4                        | 5496             | 4.8              | 203      | 24             | 1                             |
| 5                        | 5497             | 2.4              | 162      | 25             | 1                             |
| 6                        | 5501             | 3.4              | 204      | 28             | 1                             |
| 7                        | 5517             | 2.3              | 170      | 27             | 1                             |
| 8                        | 5525             | 3.5              | 184      | 23             | 0                             |
| 9                        | 5493             | 4.9              | 150      | 27             | 1                             |
| 10                       | 5507             | 4.6              | 211      | 29             | 1                             |
| 11                       | 5494             | 2.9              | 158      | 23             | 1                             |
| 12                       | 5513             | 2.6              | 226      | 27             | 1                             |
| 13                       | 5505             | 1.6              | 204      | 26             | 0                             |
| 14                       | 5528             | 3.9              | 181      | 25             | 1                             |
| 15                       | 5501             | 4.6              | 202      | 24             | 1                             |
| 16                       | 5505             | 4.1              | 194      | 27             | 1                             |
| 17                       | 5522             | 2.3              | 193      | 28             | 1                             |
| 18                       | 5498             | 3.9              | 173      | 29             | 1                             |
| 19                       | 5498             | 4.3              | 188      | 23             | 1                             |
| 20                       | 5506             | 1.5              | 215      | 26             | 1                             |
| 21                       | 5492             | 4.9              | 227      | 27             | 1                             |
| 22                       | 5506             | 1.1              | 199      | 23             | 1                             |
| 23                       | 5495             | 4.5              | 155      | 29             | 1                             |
| 24                       | 5518             | 4.0              | 190      | 27             | 1                             |
| 25                       | 5524             | 2.4              | 151      | 23             | 1                             |
| 26                       | 5496             | 2.5              | 180      | 28             | 1                             |
| 27                       | 5509             | 2.5              | 228      | 23             | 1                             |
| 28                       | 5504             | 2.5              | 203      | 25             | 1                             |
| 29                       | 5492             | 1.5              | 188      | 25             | 1                             |
| 30                       | 5523             | 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                        | 5491             | 8.0              | 205      | 16             | 1                             |
| 2                        | 5493             | 6.7              | 382      | 18             | 1                             |
| 3                        | 5495             | 8.6              | 418      | 16             | 1                             |
| 4                        | 5497             | 9.4              | 351      | 17             | 1                             |
| 5                        | 5504             | 7.4              | 383      | 18             | 1                             |
| 6                        | 5493             | 9.8              | 232      | 16             | 0                             |
| 7                        | 5502             | 9.1              | 377      | 17             | 1                             |
| 8                        | 5513             | 9.6              | 457      | 16             | 1                             |
| 9                        | 5498             | 8.0              | 471      | 18             | 1                             |
| 10                       | 5519             | 9.0              | 304      | 18             | 0                             |
| 11                       | 5510             | 8.0              | 316      | 17             | 1                             |
| 12                       | 5524             | 9.8              | 325      | 16             | 1                             |
| 13                       | 5499             | 8.0              | 409      | 17             | 1                             |
| 14                       | 5520             | 9.9              | 200      | 17             | 1                             |
| 15                       | 5504             | 8.8              | 458      | 16             | 0                             |
| 16                       | 5493             | 8.0              | 232      | 18             | 1                             |
| 17                       | 5523             | 8.3              | 250      | 16             | 1                             |
| 18                       | 5494             | 8.7              | 270      | 16             | 1                             |
| 19                       | 5491             | 7.7              | 350      | 17             | 1                             |
| 20                       | 5522             | 7.1              | 230      | 16             | 0                             |
| 21                       | 5528             | 7.3              | 416      | 18             | 1                             |
| 22                       | 5527             | 7.6              | 498      | 18             | 1                             |
| 23                       | 5493             | 7.3              | 286      | 17             | 1                             |
| 24                       | 5498             | 7.3              | 287      | 16             | 1                             |
| 25                       | 5524             | 7.5              | 462      | 17             | 1                             |
| 26                       | 5528             | 6.2              | 300      | 17             | 1                             |
| 27                       | 5510             | 6.4              | 323      | 18             | 1                             |
| 28                       | 5504             | 7.1              | 420      | 16             | 1                             |
| 29                       | 5526             | 7.2              | 395      | 18             | 1                             |
| 30                       | 5516             | 8.4              | 377      | 16             | 1                             |
| Detection Percentage (%) |                  |                  |          |                | 86.667                        |
| Limit                    |                  |                  |          |                | 60%                           |
| <b>Test Result</b>       |                  |                  |          |                | <b>Complied</b>               |



Type 4 Radar Statistical Performance

| Trial #                  | Test Freq. (MHz) | Pulse Width (us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|------------------|------------------|----------|----------------|-------------------------------|
| 1                        | 5512             | 18.0             | 242      | 15             | 1                             |
| 2                        | 5505             | 19.9             | 279      | 12             | 1                             |
| 3                        | 5510             | 12.9             | 487      | 14             | 0                             |
| 4                        | 5491             | 15.0             | 452      | 13             | 1                             |
| 5                        | 5509             | 16.3             | 230      | 12             | 1                             |
| 6                        | 5517             | 19.8             | 238      | 13             | 1                             |
| 7                        | 5496             | 18.2             | 420      | 16             | 1                             |
| 8                        | 5504             | 16.3             | 452      | 15             | 1                             |
| 9                        | 5520             | 14.2             | 495      | 12             | 0                             |
| 10                       | 5506             | 17.8             | 228      | 16             | 1                             |
| 11                       | 5515             | 19.1             | 211      | 16             | 1                             |
| 12                       | 5510             | 18.4             | 283      | 15             | 1                             |
| 13                       | 5527             | 11.8             | 411      | 12             | 1                             |
| 14                       | 5507             | 14.2             | 284      | 13             | 1                             |
| 15                       | 5516             | 13.9             | 202      | 12             | 1                             |
| 16                       | 5491             | 17.8             | 340      | 14             | 1                             |
| 17                       | 5493             | 15.6             | 290      | 16             | 1                             |
| 18                       | 5501             | 14.6             | 250      | 16             | 0                             |
| 19                       | 5510             | 14.4             | 484      | 15             | 1                             |
| 20                       | 5498             | 18.9             | 387      | 13             | 1                             |
| 21                       | 5492             | 11.1             | 348      | 15             | 1                             |
| 22                       | 5518             | 13.8             | 291      | 16             | 1                             |
| 23                       | 5494             | 14.3             | 295      | 12             | 1                             |
| 24                       | 5501             | 12.5             | 300      | 12             | 1                             |
| 25                       | 5506             | 12.5             | 322      | 14             | 1                             |
| 26                       | 5501             | 12.5             | 383      | 13             | 1                             |
| 27                       | 5513             | 15.7             | 322      | 16             | 1                             |
| 28                       | 5513             | 19.8             | 469      | 13             | 0                             |
| 29                       | 5501             | 18.6             | 406      | 15             | 1                             |
| 30                       | 5521             | 15.9             | 238      | 14             | 1                             |
| Detection Percentage (%) |                  |                  |          |                | 86.667                        |
| 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                           | 90.000                          |
| 2                           | 93.333                          |
| 3                           | 86.667                          |
| 4                           | 86.667                          |
| Aggregate (Radar Types 1-4) | 89.167                          |
| 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            | 0               |
| 5                        | 9              | 3.6             | 5510            | 1               |
| 6                        | 10             | 4               | 5510            | 0               |
| 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               | 5497            | 1               |
| 12                       | 16             | 6.4             | 5497            | 1               |
| 13                       | 17             | 6.8             | 5498            | 1               |
| 14                       | 20             | 8               | 5499            | 1               |
| 15                       | 19             | 7.6             | 5499            | 1               |
| 16                       | 18             | 7.2             | 5498            | 1               |
| 17                       | 17             | 6.8             | 5498            | 1               |
| 18                       | 16             | 6.4             | 5497            | 1               |
| 19                       | 15             | 6               | 5497            | 1               |
| 20                       | 14             | 5.6             | 5497            | 1               |
| 21                       | 13             | 5.2             | 5523            | 1               |
| 22                       | 12             | 4.8             | 5524            | 1               |
| 23                       | 11             | 4.4             | 5524            | 1               |
| 24                       | 10             | 4               | 5525            | 1               |
| 25                       | 9              | 3.6             | 5525            | 1               |
| 26                       | 8              | 3.2             | 5525            | 1               |
| 27                       | 18             | 7.2             | 5526            | 1               |
| 28                       | 19             | 7.6             | 5522            | 1               |
| 29                       | 20             | 8               | 5521            | 1               |
| 30                       | 5              | 2               | 5521            | 1               |
| Total                    |                |                 |                 | 27              |
| Detection Percentage (%) |                |                 |                 | 90%             |
| 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 |
| 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             | 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 |
| 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             | 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) |               |                  |                   |                           |                           | 0                                      |



| Trial Number                                  |               |                  |                   |                           |                           |  | 5    |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| Number of Bursts in Trial                     |               |                  |                   |                           |                           |  | 12   |
| 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   | 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                        |               |                  |                   |                           |                           |  | 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             | 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) |               |                  |                   |                           |                           |  | 0    |



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



| <b>Trial Number</b>                                  |                      |                         | 9                        |                                  |                                  |   |
|--|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|---|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 16                       |                                  |                                  |   |
| <b>Chirp Center Frequency</b>                        |                      |                         | 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   |



| Trial Number                                  |               |                  | 11                |                           |                           |  |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|
| Number of Bursts in Trial                     |               |                  | 18                |                           |                           |  |
| 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             | 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                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |





| Trial Number                                  |               |                  | 12                |                           |                           |  |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|
| Number of Bursts in Trial                     |               |                  | 19                |                           |                           |  |
| 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             | 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                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |



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

| <b>Trial Number</b>                                  |               |                  |                   |                           |                           |  | 14   |
|--|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>                     |               |                  |                   |                           |                           |  | 8    |
| <b>Chirp Center Frequency</b>                        |               |                  |                   |                           |                           |  | 5499 |
| Burst  | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1  | 2             | 67.5             | 20                | 1542                      | -                         | 947                                    |      |
| 2  | 3             | 83.6             | 20                | 1272                      | 1696                      | 124                                    |      |
| 3  | 2             | 93.2             | 20                | 1877                      | -                         | 701                                    |      |
| 4  | 1             | 55.6             | 20                | -                         | -                         | 1123                                   |      |
| 5  | 3             | 84.2             | 20                | 1733                      | 1619                      | 756                                    |      |
| 6  | 3             | 69.1             | 20                | 1612                      | 1071                      | 1                                      |      |
| 7  | 2             | 66.9             | 20                | 1905                      | -                         | 7                                      |      |
| 8  | 3             | 86.8             | 20                | 1697                      | 1621                      | 1082                                   |      |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |               |                  |                   |                           |                           |  | 1    |



| <b>Trial Number</b>                           |               |                  |                   |                           |                           |  | 15   |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>              |               |                  |                   |                           |                           |  | 9    |
| <b>Chirp Center Frequency</b>                 |               |                  |                   |                           |                           |  | 5499 |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1   | 2             | 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>                 |               |                  |                   |                           |                           |  | 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             | 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>                 |               |                  |                   |                           |                           |  | 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             | 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>                 |               |                  |                   |                           |                           |  | 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             | 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>                 |               |                  |                   |                           |                           |  | 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             | 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>                 |               |                  |                   |                           |                           |  | 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   | 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>                 |               |                  |                   |                           |                           |  | 5523 |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1   | 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>                 |               |                  |                   |                           |                           |  | 5524 |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1   | 2             | 98.8             | 12                | 1439                      | -                         | 95                                     |      |
| 2   | 1             | 54.5             | 12                | -                         | -                         | 676                                    |      |
| 3   | 2             | 80.5             | 12                | 1360                      | -                         | 8                                      |      |
| 4   | 2             | 55.9             | 12                | 1906                      | -                         | 373                                    |      |
| 5   | 2             | 72.1             | 12                | 1623                      | -                         | 254                                    |      |
| 6   | 2             | 84.4             | 12                | 1604                      | -                         | 480                                    |      |
| 7   | 1             | 78.5             | 12                | -                         | -                         | 663                                    |      |
| 8   | 1             | 88               | 12                | -                         | -                         | 314                                    |      |
| 9   | 2             | 74.7             | 12                | 1157                      | -                         | 596                                    |      |
| 10  | 2             | 97.1             | 12                | 1673                      | -                         | 264                                    |      |
| 11  | 1             | 81.6             | 12                | -                         | -                         | 740                                    |      |
| 12  | 1             | 83.6             | 12                | -                         | -                         | 163                                    |      |
| 13  | 3             | 87.6             | 12                | 1757                      | 1322                      | 628                                    |      |
| 14  | 2             | 58.5             | 12                | 1372                      | -                         | 132                                    |      |
| 15  | 3             | 91.8             | 12                | 1767                      | 1183                      | 106                                    |      |
| 16  | 2             | 58.8             | 12                | 1432                      | -                         | 659                                    |      |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           |  | 1    |



| <b>Trial Number</b>                                  |                      |                         | 23                       |                                  |                                  |   |
|--|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|---|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 17                       |                                  |                                  |   |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5524                     |                                  |                                  |   |
| <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>                        |                      |                         | 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  | 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>                        |                      |                         | 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  | 3                    | 68.2                    | 9                        | 1723                             | 1868                             | 471   |
| 2  | 3                    | 83.7                    | 9                        | 1711                             | 1405                             | 368   |
| 3  | 2                    | 69.7                    | 9                        | 1781                             | -                                | 425   |
| 4  | 1                    | 59.7                    | 9                        | -                                | -                                | 440   |
| 5  | 2                    | 96.7                    | 9                        | 1484                             | -                                | 123   |
| 6  | 2                    | 95.8                    | 9                        | 1319                             | -                                | 261   |
| 7  | 3                    | 71.3                    | 9                        | 1095                             | 1354                             | 332   |
| 8  | 3                    | 53.2                    | 9                        | 1527                             | 1427                             | 427   |
| 9  | 2                    | 69.5                    | 9                        | 1771                             | -                                | 397   |
| 10   | 3                    | 63.9                    | 9                        | 1075                             | 1447                             | 67  |
| 11   | 2                    | 93.4                    | 9                        | 1783                             | -                                | 174   |
| 12   | 2                    | 77.3                    | 9                        | 1564                             | -                                | 17  |
| 13   | 2                    | 73.1                    | 9                        | 1294                             | -                                | 216   |
| 14   | 1                    | 77.4                    | 9                        | -                                | -                                | 292   |
| 15   | 3                    | 57.2                    | 9                        | 1722                             | 1886                             | 619   |
| 16   | 2                    | 68.7                    | 9                        | 1629                             | -                                | 233   |
| 17   | 1                    | 60.8                    | 9                        | -                                | -                                | 226   |
| 18   | 3                    | 69.7                    | 9                        | 1128                             | 1224                             | 599   |
| 19   | 1                    | 62.2                    | 9                        | -                                | -                                | 433   |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1   |



| Trial Number                                  |               |                  |                   |                           |                           |  | 26   |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| Number of Bursts in Trial                     |               |                  |                   |                           |                           |  | 20   |
| Chirp Center Frequency                        |               |                  |                   |                           |                           |  | 5525 |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1   | 1             | 80.5             | 8                 | -                         | -                         | 90                                     |      |
| 2   | 3             | 62.6             | 8                 | 1406                      | 1343                      | 319                                    |      |
| 3   | 3             | 85.6             | 8                 | 1190                      | 1529                      | 384                                    |      |
| 4   | 2             | 83.9             | 8                 | 1208                      | -                         | 567                                    |      |
| 5   | 2             | 92.4             | 8                 | 1488                      | -                         | 234                                    |      |
| 6   | 2             | 54               | 8                 | 1529                      | -                         | 535                                    |      |
| 7   | 3             | 81.3             | 8                 | 1501                      | 1812                      | 325                                    |      |
| 8   | 1             | 98.5             | 8                 | -                         | -                         | 532                                    |      |
| 9   | 1             | 85.8             | 8                 | -                         | -                         | 272                                    |      |
| 10  | 2             | 84.7             | 8                 | 1593                      | -                         | 182                                    |      |
| 11  | 2             | 83.3             | 8                 | 1705                      | -                         | 134                                    |      |
| 12  | 2             | 79.8             | 8                 | 1567                      | -                         | 286                                    |      |
| 13  | 1             | 77.9             | 8                 | -                         | -                         | 368                                    |      |
| 14  | 3             | 98.4             | 8                 | 1510                      | 1569                      | 290                                    |      |
| 15  | 2             | 79.9             | 8                 | 1588                      | -                         | 231                                    |      |
| 16  | 3             | 78               | 8                 | 1140                      | 1353                      | 353                                    |      |
| 17  | 3             | 55.2             | 8                 | 1700                      | 1327                      | 53                                     |      |
| 18  | 3             | 71.9             | 8                 | 1081                      | 1224                      | 44                                     |      |
| 19  | 1             | 62               | 8                 | -                         | -                         | 298                                    |      |
| 20  | 3             | 70.5             | 8                 | 1888                      | 1442                      | 529                                    |      |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           |  | 1    |

| Trial Number                                  |               |                  |                   |                           |                           |  | 27   |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| Number of Bursts in Trial                     |               |                  |                   |                           |                           |  | 8    |
| Chirp Center Frequency                        |               |                  |                   |                           |                           |  | 5526 |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1   | 2             | 69.1             | 18                | 1076                      | -                         | 1436                                   |      |
| 2   | 2             | 62.1             | 18                | 1688                      | -                         | 22                                     |      |
| 3   | 2             | 94.8             | 18                | 1891                      | -                         | 897                                    |      |
| 4   | 1             | 75.8             | 18                | -                         | -                         | 1186                                   |      |
| 5   | 2             | 65.4             | 18                | 1713                      | -                         | 589                                    |      |
| 6   | 2             | 97.7             | 18                | 1292                      | -                         | 614                                    |      |
| 7   | 3             | 98.1             | 18                | 1670                      | 1711                      | 506                                    |      |
| 8   | 2             | 85.4             | 18                | 1672                      | -                         | 776                                    |      |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           |  | 1    |



| <b>Trial Number</b>                           |               |                  |                   |                           |                           |  | 28   |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>              |               |                  |                   |                           |                           |  | 9    |
| <b>Chirp Center Frequency</b>                 |               |                  |                   |                           |                           |  | 5522 |
| 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    |

| <b>Trial Number</b>                           |               |                  |                   |                           |                           |  | 29   |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>              |               |                  |                   |                           |                           |  | 10   |
| <b>Chirp Center Frequency</b>                 |               |                  |                   |                           |                           |  | 5521 |
| 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    |



| Trial Number                                  |               | 30               |                   |                           |                           |  |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|
| Number of Bursts in Trial                     |               | 11               |                   |                           |                           |  |
| Chirp Center Frequency                        |               | 5521             |                   |                           |                           |  |
| 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             | 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                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |



Type 6 Radar Statistical Performance

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



Modulation Mode: 802.11ac (VHT80)

Type 1 Radar Statistical Performance

| Trial #                  | Test Freq. (MHz) | Pulse Repetition Frequency Number | Pulse Repetition Frequency (Pulse Per Second) | PRI (us) | 1=Detection<br>0=No Detection |
|--------------------------|------------------|-----------------------------------|---|----------|-------------------------------|
| 1                        | 5546             | 1                                 | 1930.5  | 518      | 1                             |
| 2                        | 5544             | 23                                | 326.2   | 3066     | 1                             |
| 3                        | 5521             | 19                                | 1139.0  | 878      | 1                             |
| 4                        | 5552             | 12                                | 1355.0  | 738      | 1                             |
| 5                        | 5529             | 4                                 | 1730.1  | 578      | 1                             |
| 6                        | 5526             | 8                                 | 1519.8  | 658      | 1                             |
| 7                        | 5554             | 15                                | 1253.1  | 798      | 1                             |
| 8                        | 5515             | 6                                 | 1618.1  | 618      | 1                             |
| 9                        | 5530             | 14                                | 1285.3  | 778      | 1                             |
| 10                       | 5558             | 3                                 | 1792.1  | 558      | 1                             |
| 11                       | 5528             | 13                                | 1319.3  | 758      | 1                             |
| 12                       | 5497             | 9                                 | 1474.9  | 678      | 0                             |
| 13                       | 5505             | 7                                 | 1567.4  | 638      | 1                             |
| 14                       | 5564             | 17                                | 1193.3  | 838      | 1                             |
| 15                       | 5549             | 10                                | 1432.7  | 698      | 1                             |
| 16                       | 5505             | -                                 | 1692.0  | 591      | 1                             |
| 17                       | 5497             | -                                 | 328.1   | 3048     | 1                             |
| 18                       | 5499             | -                                 | 373.4   | 2678     | 1                             |
| 19                       | 5554             | -                                 | 574.4   | 1741     | 1                             |
| 20                       | 5537             | -                                 | 1216.5  | 822      | 0                             |
| 21                       | 5564             | -                                 | 801.3   | 1248     | 1                             |
| 22                       | 5523             | -                                 | 488.5   | 2047     | 1                             |
| 23                       | 5520             | -                                 | 956.0   | 1046     | 1                             |
| 24                       | 5551             | -                                 | 517.6   | 1932     | 1                             |
| 25                       | 5552             | -                                 | 1422.5  | 703      | 1                             |
| 26                       | 5567             | -                                 | 542.0   | 1845     | 1                             |
| 27                       | 5557             | -                                 | 741.3   | 1349     | 1                             |
| 28                       | 5562             | -                                 | 881.8   | 1134     | 1                             |
| 29                       | 5543             | -                                 | 427.4   | 2340     | 1                             |
| 30                       | 5563             | -                                 | 628.9   | 1590     | 1                             |
| Detection Percentage (%) |                  |                                   |   |          | 93.333                        |
| Limit                    |                  |                                   |   |          | 60%                           |
| <b>Test Result</b>       |                  |                                   |   |          | <b>Complied</b>               |



Type 2 Radar Statistical Performance

| Trial #                  | Test Freq. (MHz) | Pulse Width (us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|------------------|------------------|----------|----------------|-------------------------------|
| 1                        | 5549             | 2.6              | 221      | 23             | 1                             |
| 2                        | 5531             | 4.6              | 198      | 27             | 1                             |
| 3                        | 5545             | 1.1              | 184      | 29             | 1                             |
| 4                        | 5493             | 4.8              | 203      | 24             | 1                             |
| 5                        | 5537             | 2.4              | 162      | 25             | 1                             |
| 6                        | 5566             | 3.4              | 204      | 28             | 1                             |
| 7                        | 5553             | 2.3              | 170      | 27             | 1                             |
| 8                        | 5566             | 3.5              | 184      | 23             | 1                             |
| 9                        | 5533             | 4.9              | 150      | 27             | 0                             |
| 10                       | 5528             | 4.6              | 211      | 29             | 1                             |
| 11                       | 5502             | 2.9              | 158      | 23             | 1                             |
| 12                       | 5544             | 2.6              | 226      | 27             | 1                             |
| 13                       | 5557             | 1.6              | 204      | 26             | 1                             |
| 14                       | 5492             | 3.9              | 181      | 25             | 1                             |
| 15                       | 5550             | 4.6              | 202      | 24             | 1                             |
| 16                       | 5565             | 4.1              | 194      | 27             | 1                             |
| 17                       | 5557             | 2.3              | 193      | 28             | 1                             |
| 18                       | 5542             | 3.9              | 173      | 29             | 1                             |
| 19                       | 5565             | 4.3              | 188      | 23             | 1                             |
| 20                       | 5568             | 1.5              | 215      | 26             | 1                             |
| 21                       | 5499             | 4.9              | 227      | 27             | 1                             |
| 22                       | 5536             | 1.1              | 199      | 23             | 1                             |
| 23                       | 5548             | 4.5              | 155      | 29             | 1                             |
| 24                       | 5498             | 4.0              | 190      | 27             | 1                             |
| 25                       | 5547             | 2.4              | 151      | 23             | 1                             |
| 26                       | 5557             | 2.5              | 180      | 28             | 1                             |
| 27                       | 5509             | 2.5              | 228      | 23             | 1                             |
| 28                       | 5552             | 2.5              | 203      | 25             | 1                             |
| 29                       | 5502             | 1.5              | 188      | 25             | 1                             |
| 30                       | 5516             | 1.9              | 217      | 24             | 1                             |
| Detection Percentage (%) |                  |                  |          |                | 96.667                        |
| 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                        | 5555             | 8.0              | 205      | 16             | 1                             |
| 2                        | 5501             | 6.7              | 382      | 18             | 1                             |
| 3                        | 5492             | 8.6              | 418      | 16             | 1                             |
| 4                        | 5535             | 9.4              | 351      | 17             | 1                             |
| 5                        | 5506             | 7.4              | 383      | 18             | 1                             |
| 6                        | 5492             | 9.8              | 232      | 16             | 1                             |
| 7                        | 5540             | 9.1              | 377      | 17             | 1                             |
| 8                        | 5539             | 9.6              | 457      | 16             | 1                             |
| 9                        | 5513             | 8.0              | 471      | 18             | 1                             |
| 10                       | 5538             | 9.0              | 304      | 18             | 1                             |
| 11                       | 5538             | 8.0              | 316      | 17             | 1                             |
| 12                       | 5546             | 9.8              | 325      | 16             | 1                             |
| 13                       | 5532             | 8.0              | 409      | 17             | 0                             |
| 14                       | 5523             | 9.9              | 200      | 17             | 1                             |
| 15                       | 5554             | 8.8              | 458      | 16             | 1                             |
| 16                       | 5498             | 8.0              | 232      | 18             | 1                             |
| 17                       | 5551             | 8.3              | 250      | 16             | 1                             |
| 18                       | 5542             | 8.7              | 270      | 16             | 0                             |
| 19                       | 5543             | 7.7              | 350      | 17             | 1                             |
| 20                       | 5560             | 7.1              | 230      | 16             | 1                             |
| 21                       | 5553             | 7.3              | 416      | 18             | 1                             |
| 22                       | 5534             | 7.6              | 498      | 18             | 1                             |
| 23                       | 5549             | 7.3              | 286      | 17             | 1                             |
| 24                       | 5534             | 7.3              | 287      | 16             | 1                             |
| 25                       | 5541             | 7.5              | 462      | 17             | 1                             |
| 26                       | 5549             | 6.2              | 300      | 17             | 1                             |
| 27                       | 5555             | 6.4              | 323      | 18             | 1                             |
| 28                       | 5552             | 7.1              | 420      | 16             | 1                             |
| 29                       | 5501             | 7.2              | 395      | 18             | 1                             |
| 30                       | 5549             | 8.4              | 377      | 16             | 1                             |
| Detection Percentage (%) |                  |                  |          |                | 93.333                        |
| Limit                    |                  |                  |          |                | 60%                           |
| <b>Test Result</b>       |                  |                  |          |                | <b>Complied</b>               |





Type 4 Radar Statistical Performance

| Trial #                  | Test Freq. (MHz) | Pulse Width (us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|------------------|------------------|----------|----------------|-------------------------------|
| 1                        | 5569             | 18.0             | 242      | 15             | 1                             |
| 2                        | 5529             | 19.9             | 279      | 12             | 1                             |
| 3                        | 5542             | 12.9             | 487      | 14             | 1                             |
| 4                        | 5537             | 15.0             | 452      | 13             | 1                             |
| 5                        | 5526             | 16.3             | 230      | 12             | 1                             |
| 6                        | 5543             | 19.8             | 238      | 13             | 1                             |
| 7                        | 5504             | 18.2             | 420      | 16             | 1                             |
| 8                        | 5494             | 16.3             | 452      | 15             | 1                             |
| 9                        | 5560             | 14.2             | 495      | 12             | 1                             |
| 10                       | 5569             | 17.8             | 228      | 16             | 0                             |
| 11                       | 5532             | 19.1             | 211      | 16             | 1                             |
| 12                       | 5559             | 18.4             | 283      | 15             | 1                             |
| 13                       | 5536             | 11.8             | 411      | 12             | 1                             |
| 14                       | 5552             | 14.2             | 284      | 13             | 1                             |
| 15                       | 5526             | 13.9             | 202      | 12             | 1                             |
| 16                       | 5564             | 17.8             | 340      | 14             | 1                             |
| 17                       | 5540             | 15.6             | 290      | 16             | 0                             |
| 18                       | 5523             | 14.6             | 250      | 16             | 1                             |
| 19                       | 5562             | 14.4             | 484      | 15             | 1                             |
| 20                       | 5567             | 18.9             | 387      | 13             | 1                             |
| 21                       | 5502             | 11.1             | 348      | 15             | 1                             |
| 22                       | 5539             | 13.8             | 291      | 16             | 1                             |
| 23                       | 5523             | 14.3             | 295      | 12             | 1                             |
| 24                       | 5521             | 12.5             | 300      | 12             | 1                             |
| 25                       | 5523             | 12.5             | 322      | 14             | 1                             |
| 26                       | 5513             | 12.5             | 383      | 13             | 1                             |
| 27                       | 5563             | 15.7             | 322      | 16             | 1                             |
| 28                       | 5549             | 19.8             | 469      | 13             | 1                             |
| 29                       | 5544             | 18.6             | 406      | 15             | 1                             |
| 30                       | 5533             | 15.9             | 238      | 14             | 1                             |
| Detection Percentage (%) |                  |                  |          |                | 93.333                        |
| 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                           | 96.667                          |
| 3                           | 93.333                          |
| 4                           | 93.333                          |
| Aggregate (Radar Types 1-4) | 94.167                          |
| 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            | 0               |
| 9                        | 13             | 5.2             | 5530            | 1               |
| 10                       | 14             | 5.6             | 5530            | 1               |
| 11                       | 15             | 6               | 5497            | 1               |
| 12                       | 16             | 6.4             | 5497            | 1               |
| 13                       | 17             | 6.8             | 5498            | 1               |
| 14                       | 20             | 8               | 5499            | 1               |
| 15                       | 19             | 7.6             | 5499            | 1               |
| 16                       | 18             | 7.2             | 5498            | 1               |
| 17                       | 17             | 6.8             | 5498            | 1               |
| 18                       | 16             | 6.4             | 5497            | 0               |
| 19                       | 15             | 6               | 5497            | 1               |
| 20                       | 14             | 5.6             | 5497            | 1               |
| 21                       | 13             | 5.2             | 5563            | 1               |
| 22                       | 12             | 4.8             | 5564            | 1               |
| 23                       | 11             | 4.4             | 5564            | 1               |
| 24                       | 10             | 4               | 5565            | 1               |
| 25                       | 9              | 3.6             | 5565            | 1               |
| 26                       | 8              | 3.2             | 5565            | 1               |
| 27                       | 18             | 7.2             | 5566            | 1               |
| 28                       | 19             | 7.6             | 5562            | 1               |
| 29                       | 20             | 8               | 5561            | 1               |
| 30                       | 5              | 2               | 5561            | 1               |
| Total                    |                |                 |                 | 28              |
| Detection Percentage (%) |                |                 |                 | 93%             |
| Limit                    |                |                 |                 | 80%             |
| <b>Test Result</b>       |                |                 |                 | <b>Complied</b> |



| <b>Trial Number</b>                           |               |                  |                   |                           |                           |  | 1    |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>              |               |                  |                   |                           |                           |  | 8    |
| <b>Chirp Center Frequency</b>                 |               |                  |                   |                           |                           |  | 5530 |
| 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             | 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 |
| 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             | 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 |
| 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    |

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



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

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



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

| <b>Trial Number</b>                           |               |                  |                   |                           |                           |  | 8    |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>              |               |                  |                   |                           |                           |  | 15   |
| <b>Chirp Center Frequency</b>                 |               |                  |                   |                           |                           |  | 5530 |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1   | 1             | 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) |               |                  |                   |                           |                           |  | 0    |



| <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>                        |               | 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             | 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>                        |                      |                         | 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                    | 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>                 |               |                  |                   |                           |                           |  | 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             | 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>                 |               |                  |                   |                           |                           |  | 5499 |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1   | 2             | 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>                 |               |                  |                   |                           |                           |  | 5499 |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1   | 2             | 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>                 |               |                  |                   |                           |                           |  | 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             | 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                        |               |                  |                   |                           |                           |  | 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             | 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                        |               |                  |                   |                           |                           |  | 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             | 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) |               |                  |                   |                           |                           |  | 0    |



| <b>Trial Number</b>                           |               |                  |                   |                           |                           |  | 19   |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>              |               |                  |                   |                           |                           |  | 13   |
| <b>Chirp Center Frequency</b>                 |               |                  |                   |                           |                           |  | 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             | 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>                 |               |                  |                   |                           |                           |  | 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   | 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>                 |               |                  |                   |                           |                           |  | 5563 |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1   | 1             | 85.1             | 13                | -                         | -                         | 565                                    |      |
| 2   | 2             | 72.5             | 13                | 1648                      | -                         | 211                                    |      |
| 3   | 1             | 67.5             | 13                | -                         | -                         | 348                                    |      |
| 4   | 2             | 56.1             | 13                | 1360                      | -                         | 156                                    |      |
| 5   | 1             | 71.1             | 13                | -                         | -                         | 718                                    |      |
| 6   | 2             | 93.1             | 13                | 1391                      | -                         | 400                                    |      |
| 7   | 1             | 56.5             | 13                | -                         | -                         | 482                                    |      |
| 8   | 1             | 63.8             | 13                | -                         | -                         | 703                                    |      |
| 9   | 2             | 67.4             | 13                | 1727                      | -                         | 780                                    |      |
| 10  | 1             | 52.3             | 13                | -                         | -                         | 102                                    |      |
| 11  | 3             | 62.4             | 13                | 1228                      | 1715                      | 304                                    |      |
| 12  | 2             | 53.3             | 13                | 1630                      | -                         | 57                                     |      |
| 13  | 2             | 83.1             | 13                | 1205                      | -                         | 768                                    |      |
| 14  | 2             | 93.7             | 13                | 1085                      | -                         | 461                                    |      |
| 15  | 2             | 90.7             | 13                | 1297                      | -                         | 746                                    |      |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           |  | 1    |

| <b>Trial Number</b>                           |               |                  |                   |                           |                           |  | 22   |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>              |               |                  |                   |                           |                           |  | 16   |
| <b>Chirp Center Frequency</b>                 |               |                  |                   |                           |                           |  | 5564 |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1   | 2             | 98.8             | 12                | 1439                      | -                         | 95                                     |      |
| 2   | 1             | 54.5             | 12                | -                         | -                         | 676                                    |      |
| 3   | 2             | 80.5             | 12                | 1360                      | -                         | 8                                      |      |
| 4   | 2             | 55.9             | 12                | 1906                      | -                         | 373                                    |      |
| 5   | 2             | 72.1             | 12                | 1623                      | -                         | 254                                    |      |
| 6   | 2             | 84.4             | 12                | 1604                      | -                         | 480                                    |      |
| 7   | 1             | 78.5             | 12                | -                         | -                         | 663                                    |      |
| 8   | 1             | 88               | 12                | -                         | -                         | 314                                    |      |
| 9   | 2             | 74.7             | 12                | 1157                      | -                         | 596                                    |      |
| 10  | 2             | 97.1             | 12                | 1673                      | -                         | 264                                    |      |
| 11  | 1             | 81.6             | 12                | -                         | -                         | 740                                    |      |
| 12  | 1             | 83.6             | 12                | -                         | -                         | 163                                    |      |
| 13  | 3             | 87.6             | 12                | 1757                      | 1322                      | 628                                    |      |
| 14  | 2             | 58.5             | 12                | 1372                      | -                         | 132                                    |      |
| 15  | 3             | 91.8             | 12                | 1767                      | 1183                      | 106                                    |      |
| 16  | 2             | 58.8             | 12                | 1432                      | -                         | 659                                    |      |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           |  | 1    |





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



| Trial Number                                  |               |                  | 24                |                           |                           |  |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|
| Number of Bursts in Trial                     |               |                  | 18                |                           |                           |  |
| Chirp Center Frequency                        |               |                  | 5565              |                           |                           |  |
| 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             | 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                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |



| Trial Number                                  |               |                  | 25                |                           |                           |  |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|
| Number of Bursts in Trial                     |               |                  | 19                |                           |                           |  |
| Chirp Center Frequency                        |               |                  | 5565              |                           |                           |  |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |
| 1   | 3             | 68.2             | 9                 | 1723                      | 1868                      | 471                                    |
| 2   | 3             | 83.7             | 9                 | 1711                      | 1405                      | 368                                    |
| 3   | 2             | 69.7             | 9                 | 1781                      | -                         | 425                                    |
| 4   | 1             | 59.7             | 9                 | -                         | -                         | 440                                    |
| 5   | 2             | 96.7             | 9                 | 1484                      | -                         | 123                                    |
| 6   | 2             | 95.8             | 9                 | 1319                      | -                         | 261                                    |
| 7   | 3             | 71.3             | 9                 | 1095                      | 1354                      | 332                                    |
| 8   | 3             | 53.2             | 9                 | 1527                      | 1427                      | 427                                    |
| 9   | 2             | 69.5             | 9                 | 1771                      | -                         | 397                                    |
| 10  | 3             | 63.9             | 9                 | 1075                      | 1447                      | 67                                     |
| 11  | 2             | 93.4             | 9                 | 1783                      | -                         | 174                                    |
| 12  | 2             | 77.3             | 9                 | 1564                      | -                         | 17                                     |
| 13  | 2             | 73.1             | 9                 | 1294                      | -                         | 216                                    |
| 14  | 1             | 77.4             | 9                 | -                         | -                         | 292                                    |
| 15  | 3             | 57.2             | 9                 | 1722                      | 1886                      | 619                                    |
| 16  | 2             | 68.7             | 9                 | 1629                      | -                         | 233                                    |
| 17  | 1             | 60.8             | 9                 | -                         | -                         | 226                                    |
| 18  | 3             | 69.7             | 9                 | 1128                      | 1224                      | 599                                    |
| 19  | 1             | 62.2             | 9                 | -                         | -                         | 433                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |



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

| <b>Trial Number</b>                           |               |                  |                   |                           |                           |  | 27   |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>              |               |                  |                   |                           |                           |  | 8    |
| <b>Chirp Center Frequency</b>                 |               |                  |                   |                           |                           |  | 5566 |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1   | 2             | 69.1             | 18                | 1076                      | -                         | 1436                                   |      |
| 2   | 2             | 62.1             | 18                | 1688                      | -                         | 22                                     |      |
| 3   | 2             | 94.8             | 18                | 1891                      | -                         | 897                                    |      |
| 4   | 1             | 75.8             | 18                | -                         | -                         | 1186                                   |      |
| 5   | 2             | 65.4             | 18                | 1713                      | -                         | 589                                    |      |
| 6   | 2             | 97.7             | 18                | 1292                      | -                         | 614                                    |      |
| 7   | 3             | 98.1             | 18                | 1670                      | 1711                      | 506                                    |      |
| 8   | 2             | 85.4             | 18                | 1672                      | -                         | 776                                    |      |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           |  | 1    |



| <b>Trial Number</b>                           |               |                  |                   |                           |                           |  | 28   |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>              |               |                  |                   |                           |                           |  | 9    |
| <b>Chirp Center Frequency</b>                 |               |                  |                   |                           |                           |  | 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    |

| <b>Trial Number</b>                           |               |                  |                   |                           |                           |  | 29   |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>              |               |                  |                   |                           |                           |  | 10   |
| <b>Chirp Center Frequency</b>                 |               |                  |                   |                           |                           |  | 5561 |
| 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>                        |                      | 5561                    |                          |                                  |                                  |   |
| <b>Burst</b>   | <b>No. of Pulses</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Pulse 1-to-2 Spacing (us)</b> | <b>Pulse 2-to-3 Spacing (us)</b> | <b>Starting Location Within Interval (ms)</b> |
| 1  | 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>               |



## 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     | Dec. 18, 2017    | Dec. 17, 2018        | Radiated (DF01-CB) |
| Horn Antenna            | COM-POWER    | AH-118    | 071187        | 1GHz – 18GHz    | Jun. 29, 2018    | Jun. 28, 2019        | Radiated (DF01-CB) |
| Horn Antenna            | COM-POWER    | AH-118    | 071042        | 1GHz – 18GHz    | Dec. 13, 2017    | Dec. 12, 2018        | 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 | 2.9 dB             | Confidence levels of 95% |