



# FCC DFS PARTIAL TEST REPORT

**Equipment** : ePmP 1000 CSM  
**Brand Name** : Cambium Networks  
**Model No.** : ePmP 1000 CSM  
**FCC ID** : Z8H89FT0005  
**Standard** : 47 CFR FCC Part 15.407  
**Frequency Range** : 5250 MHz – 5350 MHz  
5470 MHz – 5725 MHz  
**Applicant** : Cambium Networks Inc.  
3800 Golf Road, Suite 360 Rolling Meadows, IL 60008,  
USA  
**Operate Mode** : Master

The product sample received on Apr. 21, 2016 and completely tested on Apr. 27, 2016. We, SPORTON, 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 v01r02 and shown compliance with the applicable technical standards.

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



Sam Chen  
SPORTON INTERNATIONAL INC.



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### Summary of Test Result

| Conformance Test Specifications |                      |   |                          |          |
|---------------------------------|----------------------|---|--------------------------|----------|
| Report Clause                   | Ref. Std. Clause     | Description                               | Limit                    | Result   |
| 3.3                             | FCC KDB 905462 7.8.1 | DFS: UNII Detection Bandwidth Measurement | 100% of the 99% BW       | Complied |
| 3.4                             | FCC KDB 905462 7.8.4 | DFS: Statistical Performance Check        | Table 5 - 7 (KDB 905462) | Complied |
| 3.1.4                           | FCC KDB 905462 8.1   | User Access Restrictions                  | DFS controls             | Complied |



## Revision History

| Report No.  | Version | Description             | Issued Date  |
|-------------|---------|-------------------------|--------------|
| FZ642901-02 | Rev. 01 | Initial issue of report | May 17, 2016 |
|             |         |                         |              |
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# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

| Specification Items         | Description   |
|-----------------------------|---|
| Product Type                | 2TX, 2RX  |
| Radio Type                  | Intentional Transceiver   |
| Power Type                  | From PoE  |
| Modulation                  | OFDM  |
| Channel Bandwidth           | 10/20 MHz operating channel bandwidth   |
| Operating Mode              | <input checked="" type="checkbox"/> Master  |
|                             | <input type="checkbox"/> Client with radar detection  |
|                             | <input type="checkbox"/> Client without radar detection   |
| Communication Mode          | <input checked="" type="checkbox"/> IP Based (Load Based) <input type="checkbox"/> Frame Based      |
| Weather Band (5600~5650MHz) | <input type="checkbox"/> With 5600~5650MHz <input checked="" type="checkbox"/> Without 5600~5650MHz |
| Software / Firmware Version | 2.6.1-RC10-31fff43f8781   |



### 1.2 Accessories

N/A

### 1.3 Support Equipment

| Support Equipment |           |                  |               |        |
|-------------------|-----------|------------------|---------------|--------|
| No.               | Equipment | Brand Name       | Model Name    | FCC ID |
| 1                 | NB        | MOTOROLA         | ML900         | DoC    |
| 2                 | NB        | MOTOROLA         | ML910         | DoC    |
| 3                 | Device    | Cambium Networks | ePmP 1000 CSM | N/A    |

### 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 v01r02

### 1.5 Testing Location Information

| Testing Location                    |               |   |                  |                       |
|-------------------------------------|---------------|---|------------------|-----------------------|
| <input type="checkbox"/>            | HWA YA        | ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, 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       | Eric Fu / Wii Lin   | 30.2°C / 60%     | 21-Apr-16 ~ 27-Apr-16 |



## 2 Test Configuration of EUT

### 2.1 Test Channel Frequencies Configuration

| Test Channel Frequencies Configuration |                          |
|--|--------------------------|
| Modulation Mode                        | Test Channel Freq. (MHz) |
| OFDM (10MHz)                           | 5300 MHz                 |
| OFDM (20MHz)                           |                          |

### 2.2 The Worst Case Measurement Configuration

| The Worst Case Mode for Following Conformance Tests |  |
|---|--|
| Tests Item  | Dynamic Frequency Selection (DFS)  |
| Test Condition                                      | Conducted measurement at transmit chains<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. |
| Modulation Mode                                     | OFDM (10MHz), OFDM (20MHz)   |



### 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

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

### 3.1.5 Channel Loading/Data Streaming

|                                     |  |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | IP Based (Load Based) - stream the test file from the Master to the Client.                    |
| <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.  |
| <input type="checkbox"/>            | Frame Based - stream the test file from the Master to the Client.                              |
| <input type="checkbox"/>            | fixed talk/listen ratio, set the ratio to 45%/55%  |



### 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 Burst will have the same chirp width. Pulses in different Bursts may have different chirp widths. The chirp is centered on the pulse. For example, with a radar frequency of 5300 MHz and a 20 MHz chirped signal, the chirp starts at 5290 MHz and ends at 5310 MHz.
- ♦ If more than one pulse is present in a Burst, the time between the pulses will be between 1000 and 2000 microseconds, with the time being randomly chosen. If three pulses are present in a Burst, the time

between the first and second pulses is chosen independently of the time between the second and third pulses.

- The 12 second transmission period is divided into even intervals. The number of intervals is equal to Burst\_Count. Each interval is of length  $(12,000,000 / \text{Burst\_Count})$  microseconds. Each interval contains one Burst. The start time for the Burst, relative to the beginning of the interval, is between 1 and  $[(12,000,000 / \text{Burst\_Count}) - (\text{Total Burst Length}) + (\text{One Random PRI Interval})]$  microseconds, with the start time being randomly chosen. The step interval for the start time is 1 microsecond. The start time for each Burst is chosen independently.

### 3.2.3 Frequency Hopping Radar Test Waveform

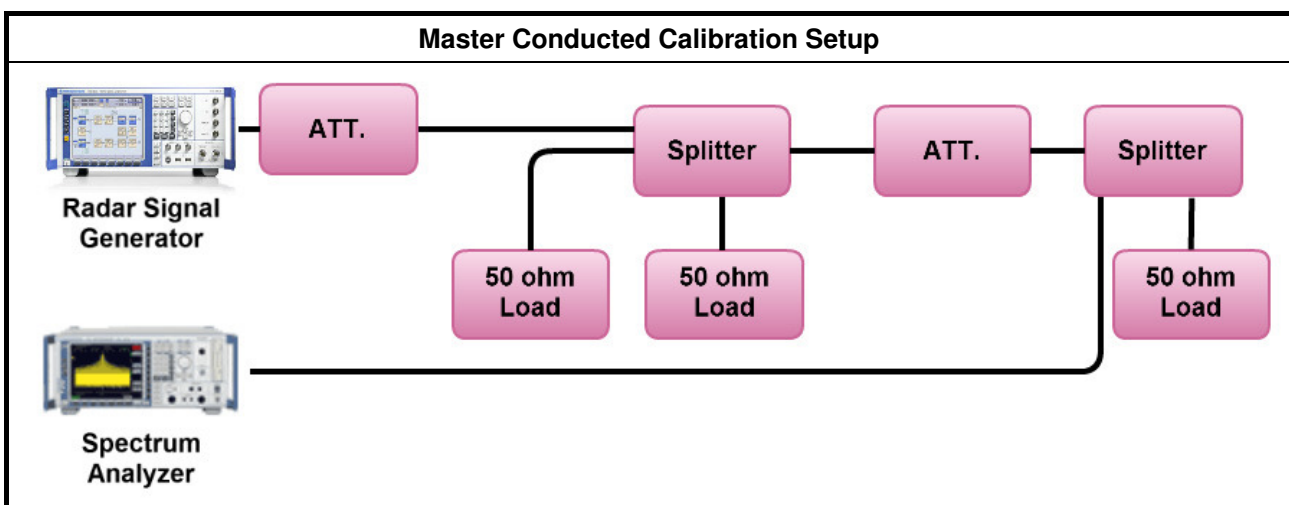
| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (ms) | Minimum Percentage of Successful Detection | Minimum Trials |
|------------|--------------------|------------|----------------|--------------------|------------------------------|--|----------------|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

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

### 3.2.4 DFS Threshold Level

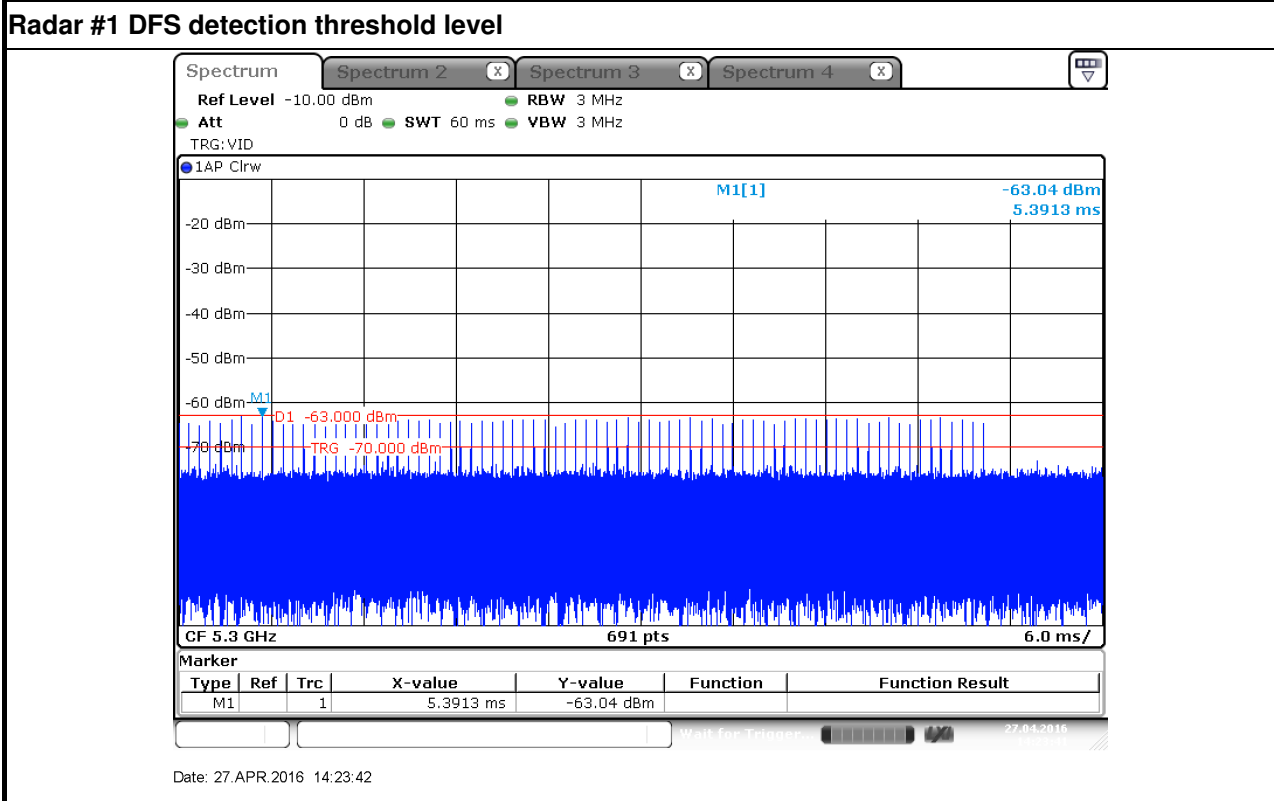
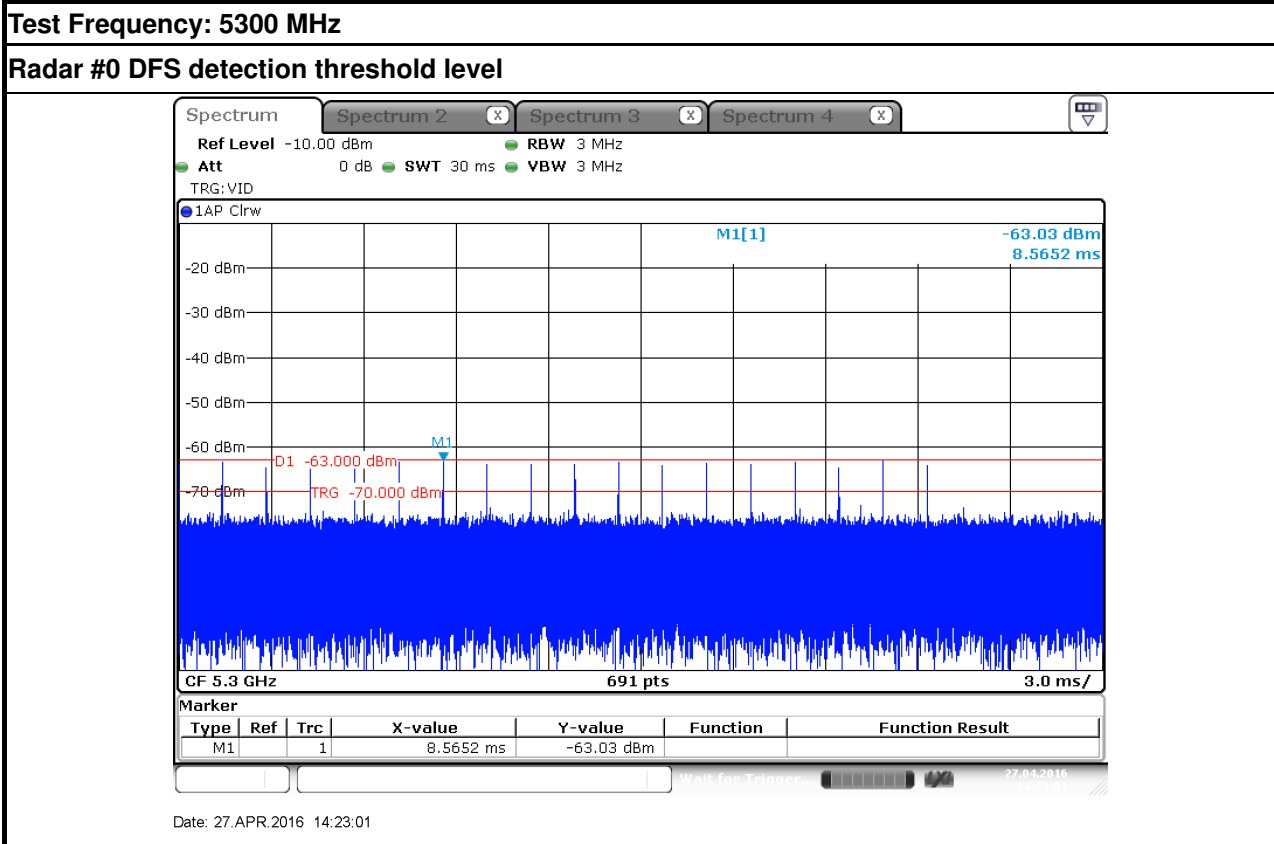
| DFS Threshold Level   |  |
|---|--|
| DFS Threshold level: -63 dBm  | <input checked="" type="checkbox"/> at the antenna connector |
|   | <input type="checkbox"/> in front of the antenna             |
| The Interference <b>Radar Detection Threshold Level</b> is is $-64 \text{ dBm} + 0 [\text{dBi}]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

### 3.2.5 Calibration Setup



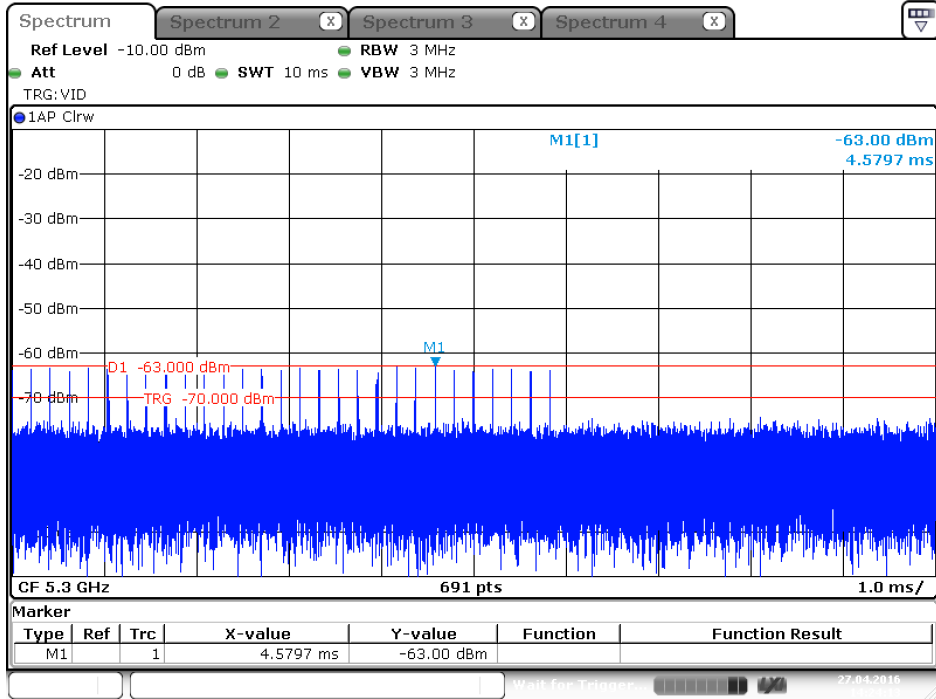


### 3.2.6 Radar Waveform calibration Plot



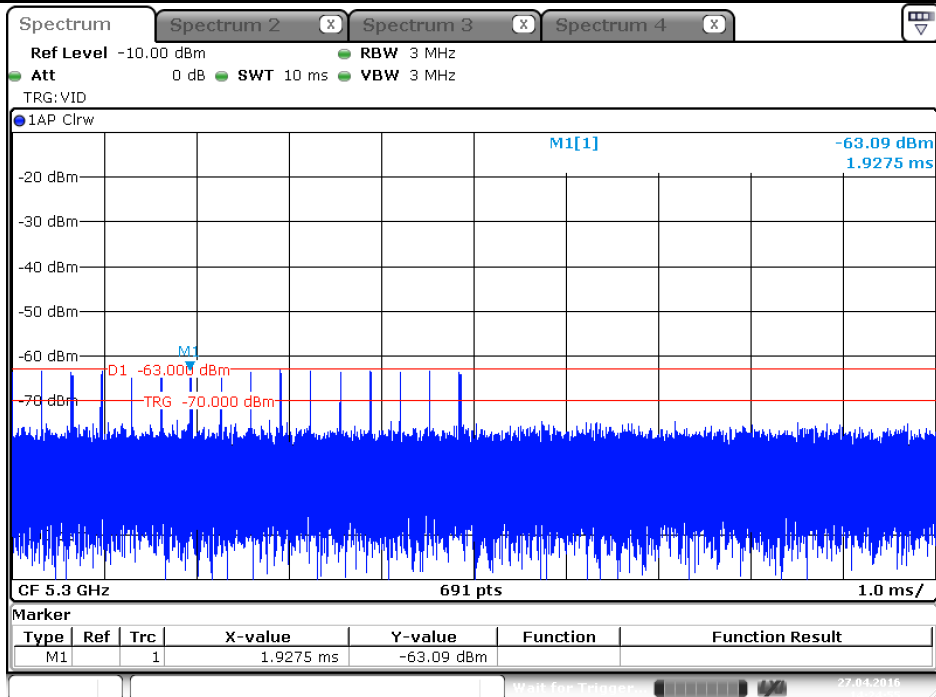


**Radar #2 DFS detection threshold level**



Date: 27.APR.2016 14:24:13

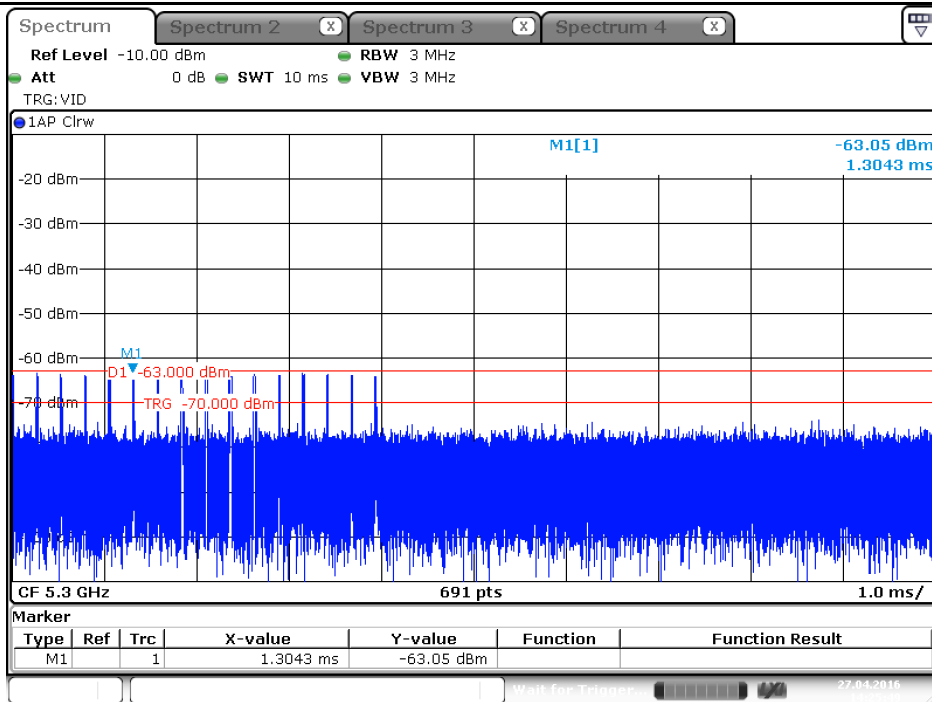
**Radar #3 DFS detection threshold level**



Date: 27.APR.2016 14:24:55

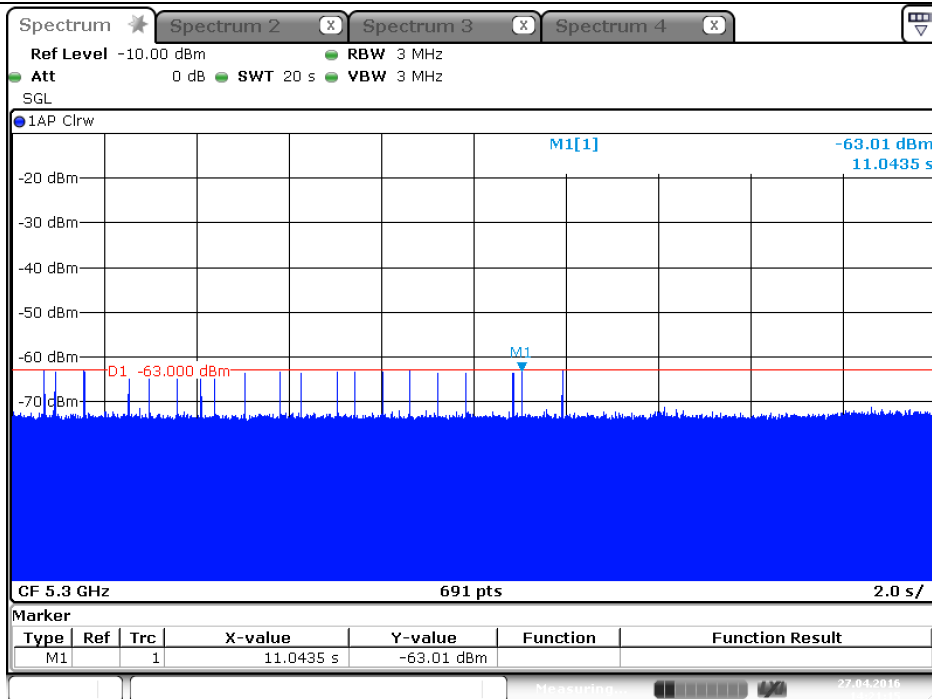


**Radar #4 DFS detection threshold level**



Date: 27.APR.2016 14:25:49

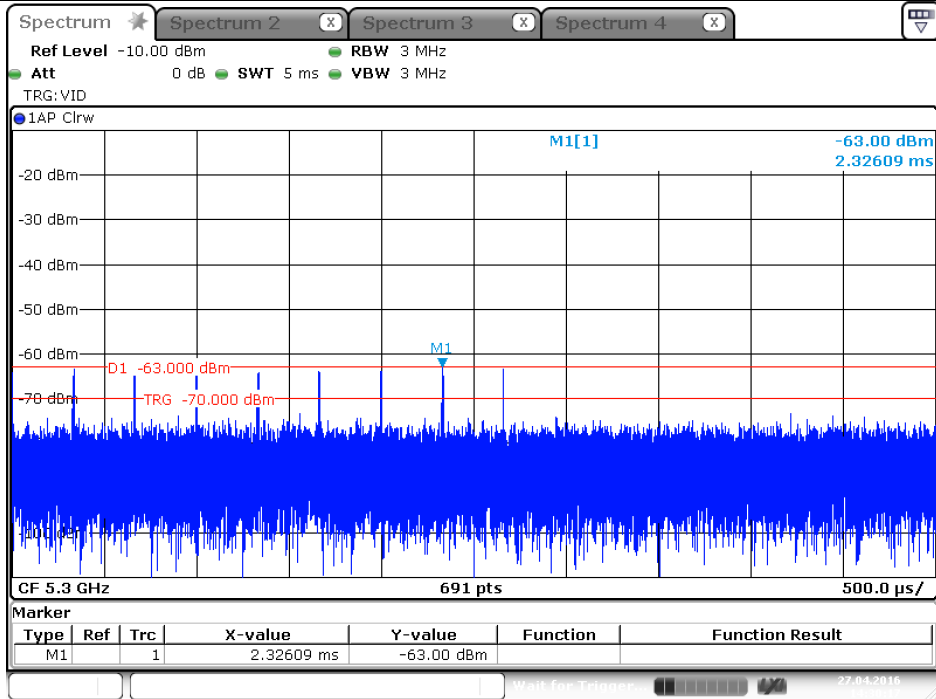
**Radar #5 DFS detection threshold level**



Date: 27.APR.2016 14:21:15



Radar #6 DFS detection threshold level



Date: 27.APR.2016 14:30:17





### 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) | ISM Type 5 Limit (MHz) |
|-------------------------|------------------------------|---|------------------------|
| 10                      | 8.827                        | 9   | 7                      |
| 20                      | 17.887                       | 18  | 14                     |

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.

The center frequency for each of the 30 trials of the Bin 5 radar shall be randomly selected within 80% of the Occupied Bandwidth.

#### 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=5300 MHz  |   |   |   |   |   |   |   |   |   |    |                    |     |
|---|---|---|---|---|---|---|---|---|---|----|--------------------|-----|
| Channel Bandwidth (MHz)   | 10  |   |   |   |   |   |   |   |   |    |                    |     |
| Radar Frequency (MHz)   | DFS Detection Trials (1=Detection, 0= No Detection) |   |   |   |   |   |   |   |   |    | Detection Rate (%) |     |
|   | 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |     |
| 5294  | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  | 0   |
| 5295(FL)-Type 0   | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5296(FL)-Type 5   | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5297  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5298  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5299  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5300  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5301  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5302  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5303(FH)-Type 5   | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  | 100 |
| 5304(FH)-Type 0   | 1   | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1  | 1                  | 90  |
| 5305  | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  | 0   |
| Radar Type 0-Detection Bandwidth (MHz) = (FH-FL) = (5304MHz-5295MHz)= |   |   |   |   |   |   |   |   |   |    | 9                  |     |
| UNII Detection Bandwidth Min. Limit (MHz) =                           |   |   |   |   |   |   |   |   |   |    | 9                  |     |
| Radar Type 5-Detection Bandwidth (MHz) = (FH-FL) = (5303MHz-5296MHz)= |   |   |   |   |   |   |   |   |   |    | 7                  |     |
| ISM Type 5 Limit (MHz) =  |   |   |   |   |   |   |   |   |   |    | 7                  |     |
| <b>Test Result</b>  |   |   |   |   |   |   |   |   |   |    | <b>Complied</b>    |     |



| EUT Frequency=5300 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 |                    |
| 5290  | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| 5291(FL)-Type 0   | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5292  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5293(FL)-Type 5   | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5294  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5295  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5296  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5297  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5298  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5299  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5300  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5301  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5302  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5303  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5304  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5305  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5306  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5307(FH)-Type 5   | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5308  | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5309(FH)-Type 0   | 1   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1                  |
| 5310  | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0                  |
| Radar Type 0-Detection Bandwidth (MHz) = (FH-FL) = (5309MHz-5291MHz)= |   |   |   |   |   |   |   |   |   |    | 18                 |
| UNII Detection Bandwidth Min. Limit (MHz) =                           |   |   |   |   |   |   |   |   |   |    | 18                 |
| Radar Type 5-Detection Bandwidth (MHz) = (FH-FL) = (5307MHz-5293MHz)= |   |   |   |   |   |   |   |   |   |    | 14                 |
| ISM Type 5 Limit (MHz) =  |   |   |   |   |   |   |   |   |   |    | 14                 |
| <b>Test Result</b>  |   |   |   |   |   |   |   |   |   |    | <b>Complied</b>    |



### 3.4 Statistical Performance Check

#### 3.4.1 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:

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

#### 3.4.2 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 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. |



3.4.4 Test Result of Statistical Performance Check

Modulation Mode: OFDM (10MHz)

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                        | 5295             | 1                                 | 1930.5  | 518      | 1                             |
| 2                        | 5296             | 23                                | 326.2   | 3066     | 1                             |
| 3                        | 5297             | 19                                | 1139.0  | 878      | 1                             |
| 4                        | 5298             | 12                                | 1355.0  | 738      | 1                             |
| 5                        | 5299             | 4                                 | 1730.1  | 578      | 1                             |
| 6                        | 5300             | 8                                 | 1519.8  | 658      | 1                             |
| 7                        | 5301             | 15                                | 1253.1  | 798      | 1                             |
| 8                        | 5302             | 6                                 | 1618.1  | 618      | 1                             |
| 9                        | 5303             | 14                                | 1285.3  | 778      | 1                             |
| 10                       | 5304             | 3                                 | 1792.1  | 558      | 1                             |
| 11                       | 5295             | 13                                | 1319.3  | 758      | 1                             |
| 12                       | 5296             | 9                                 | 1474.9  | 678      | 0                             |
| 13                       | 5297             | 7                                 | 1567.4  | 638      | 1                             |
| 14                       | 5298             | 17                                | 1193.3  | 838      | 1                             |
| 15                       | 5299             | 10                                | 1432.7  | 698      | 0                             |
| 16                       | 5300             | -                                 | 1692.0  | 591      | 1                             |
| 17                       | 5301             | -                                 | 328.1   | 3048     | 1                             |
| 18                       | 5302             | -                                 | 373.4   | 2678     | 1                             |
| 19                       | 5303             | -                                 | 574.4   | 1741     | 1                             |
| 20                       | 5304             | -                                 | 1216.5  | 822      | 1                             |
| 21                       | 5295             | -                                 | 801.3   | 1248     | 1                             |
| 22                       | 5296             | -                                 | 488.5   | 2047     | 0                             |
| 23                       | 5297             | -                                 | 956.0   | 1046     | 1                             |
| 24                       | 5298             | -                                 | 517.6   | 1932     | 1                             |
| 25                       | 5299             | -                                 | 1422.5  | 703      | 1                             |
| 26                       | 5300             | -                                 | 542.0   | 1845     | 1                             |
| 27                       | 5301             | -                                 | 741.3   | 1349     | 1                             |
| 28                       | 5302             | -                                 | 881.8   | 1134     | 1                             |
| 29                       | 5303             | -                                 | 427.4   | 2340     | 1                             |
| 30                       | 5304             | -                                 | 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                        | 5295             | 2.6              | 221      | 23             | 1                             |
| 2                        | 5296             | 4.6              | 198      | 27             | 0                             |
| 3                        | 5297             | 1.1              | 184      | 29             | 1                             |
| 4                        | 5298             | 4.8              | 203      | 24             | 1                             |
| 5                        | 5299             | 2.4              | 162      | 25             | 1                             |
| 6                        | 5300             | 3.4              | 204      | 28             | 1                             |
| 7                        | 5301             | 2.3              | 170      | 27             | 1                             |
| 8                        | 5302             | 3.5              | 184      | 23             | 1                             |
| 9                        | 5303             | 4.9              | 150      | 27             | 1                             |
| 10                       | 5304             | 4.6              | 211      | 29             | 1                             |
| 11                       | 5295             | 2.9              | 158      | 23             | 1                             |
| 12                       | 5296             | 2.6              | 226      | 27             | 1                             |
| 13                       | 5297             | 1.6              | 204      | 26             | 0                             |
| 14                       | 5298             | 3.9              | 181      | 25             | 1                             |
| 15                       | 5299             | 4.6              | 202      | 24             | 1                             |
| 16                       | 5300             | 4.1              | 194      | 27             | 1                             |
| 17                       | 5301             | 2.3              | 193      | 28             | 1                             |
| 18                       | 5302             | 3.9              | 173      | 29             | 1                             |
| 19                       | 5303             | 4.3              | 188      | 23             | 0                             |
| 20                       | 5304             | 1.5              | 215      | 26             | 1                             |
| 21                       | 5295             | 4.9              | 227      | 27             | 1                             |
| 22                       | 5296             | 1.1              | 199      | 23             | 0                             |
| 23                       | 5297             | 4.5              | 155      | 29             | 1                             |
| 24                       | 5298             | 4.0              | 190      | 27             | 1                             |
| 25                       | 5299             | 2.4              | 151      | 23             | 1                             |
| 26                       | 5300             | 2.5              | 180      | 28             | 1                             |
| 27                       | 5301             | 2.5              | 228      | 23             | 1                             |
| 28                       | 5302             | 2.5              | 203      | 25             | 1                             |
| 29                       | 5303             | 1.5              | 188      | 25             | 1                             |
| 30                       | 5304             | 1.9              | 217      | 24             | 1                             |
| Detection Percentage (%) |                  |                  |          |                | 86.667                        |
| 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                        | 5295             | 8.0              | 205      | 16             | 1                               |
| 2                        | 5296             | 6.7              | 382      | 18             | 1                               |
| 3                        | 5297             | 8.6              | 418      | 16             | 1                               |
| 4                        | 5298             | 9.4              | 351      | 17             | 1                               |
| 5                        | 5299             | 7.4              | 383      | 18             | 1                               |
| 6                        | 5300             | 9.8              | 232      | 16             | 1                               |
| 7                        | 5301             | 9.1              | 377      | 17             | 1                               |
| 8                        | 5302             | 9.6              | 457      | 16             | 1                               |
| 9                        | 5303             | 8.0              | 471      | 18             | 1                               |
| 10                       | 5304             | 9.0              | 304      | 18             | 1                               |
| 11                       | 5295             | 8.0              | 316      | 17             | 1                               |
| 12                       | 5296             | 9.8              | 325      | 16             | 1                               |
| 13                       | 5297             | 8.0              | 409      | 17             | 1                               |
| 14                       | 5298             | 9.9              | 200      | 17             | 1                               |
| 15                       | 5299             | 8.8              | 458      | 16             | 1                               |
| 16                       | 5300             | 8.0              | 232      | 18             | 0                               |
| 17                       | 5301             | 8.3              | 250      | 16             | 1                               |
| 18                       | 5302             | 8.7              | 270      | 16             | 1                               |
| 19                       | 5303             | 7.7              | 350      | 17             | 1                               |
| 20                       | 5304             | 7.1              | 230      | 16             | 1                               |
| 21                       | 5295             | 7.3              | 416      | 18             | 1                               |
| 22                       | 5296             | 7.6              | 498      | 18             | 1                               |
| 23                       | 5297             | 7.3              | 286      | 17             | 1                               |
| 24                       | 5298             | 7.3              | 287      | 16             | 0                               |
| 25                       | 5299             | 7.5              | 462      | 17             | 1                               |
| 26                       | 5300             | 6.2              | 300      | 17             | 1                               |
| 27                       | 5301             | 6.4              | 323      | 18             | 0                               |
| 28                       | 5302             | 7.1              | 420      | 16             | 1                               |
| 29                       | 5303             | 7.2              | 395      | 18             | 0                               |
| 30                       | 5304             | 8.4              | 377      | 16             | 1                               |
| Detection Percentage (%) |                  |                  |          |                | 86.667                          |
| 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                        | 5295                    | 18.0                    | 242             | 15                    | 1                                     |
| 2                        | 5296                    | 19.9                    | 279             | 12                    | 1                                     |
| 3                        | 5297                    | 12.9                    | 487             | 14                    | 1                                     |
| 4                        | 5298                    | 15.0                    | 452             | 13                    | 1                                     |
| 5                        | 5299                    | 16.3                    | 230             | 12                    | 1                                     |
| 6                        | 5300                    | 19.8                    | 238             | 13                    | 1                                     |
| 7                        | 5301                    | 18.2                    | 420             | 16                    | 1                                     |
| 8                        | 5302                    | 16.3                    | 452             | 15                    | 1                                     |
| 9                        | 5303                    | 14.2                    | 495             | 12                    | 1                                     |
| 10                       | 5304                    | 17.8                    | 228             | 16                    | 1                                     |
| 11                       | 5295                    | 19.1                    | 211             | 16                    | 1                                     |
| 12                       | 5296                    | 18.4                    | 283             | 15                    | 0                                     |
| 13                       | 5297                    | 11.8                    | 411             | 12                    | 1                                     |
| 14                       | 5298                    | 14.2                    | 284             | 13                    | 1                                     |
| 15                       | 5299                    | 13.9                    | 202             | 12                    | 1                                     |
| 16                       | 5300                    | 17.8                    | 340             | 14                    | 1                                     |
| 17                       | 5301                    | 15.6                    | 290             | 16                    | 1                                     |
| 18                       | 5302                    | 14.6                    | 250             | 16                    | 1                                     |
| 19                       | 5303                    | 14.4                    | 484             | 15                    | 1                                     |
| 20                       | 5304                    | 18.9                    | 387             | 13                    | 0                                     |
| 21                       | 5295                    | 11.1                    | 348             | 15                    | 1                                     |
| 22                       | 5296                    | 13.8                    | 291             | 16                    | 1                                     |
| 23                       | 5297                    | 14.3                    | 295             | 12                    | 1                                     |
| 24                       | 5298                    | 12.5                    | 300             | 12                    | 1                                     |
| 25                       | 5299                    | 12.5                    | 322             | 14                    | 1                                     |
| 26                       | 5300                    | 12.5                    | 383             | 13                    | 1                                     |
| 27                       | 5301                    | 15.7                    | 322             | 16                    | 1                                     |
| 28                       | 5302                    | 19.8                    | 469             | 13                    | 1                                     |
| 29                       | 5303                    | 18.6                    | 406             | 15                    | 1                                     |
| 30                       | 5304                    | 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                           | 90.000                          |
| 2                           | 86.667                          |
| 3                           | 86.667                          |
| 4                           | 93.333                          |
| Aggregate (Radar Types 1-4) | 89.167                          |
| Limit                       | 80%                             |
| <b>Test Result</b>          | <b>Complied</b>                 |



**Type 5 Radar Statistical Performance**

| Trial #                  | Test Freq. (MHz) | 1=Detection<br>0=No Detection | Trial # | Test Freq. (MHz) | 1=Detection<br>0=No Detection | Trial # | Test Freq. (MHz) | 1=Detection<br>0=No Detection |
|--------------------------|------------------|-------------------------------|---------|------------------|-------------------------------|---------|------------------|-------------------------------|
| 1                        | 5300             | 1                             | 11      | 5298             | 1                             | 21      | 5302             | 1                             |
| 2                        | 5296             | 0                             | 12      | 5302             | 1                             | 22      | 5302             | 1                             |
| 3                        | 5298             | 1                             | 13      | 5298             | 1                             | 23      | 5299             | 1                             |
| 4                        | 5301             | 1                             | 14      | 5301             | 1                             | 24      | 5299             | 1                             |
| 5                        | 5299             | 1                             | 15      | 5303             | 1                             | 25      | 5301             | 1                             |
| 6                        | 5299             | 0                             | 16      | 5300             | 1                             | 26      | 5299             | 1                             |
| 7                        | 5301             | 1                             | 17      | 5299             | 1                             | 27      | 5296             | 0                             |
| 8                        | 5303             | 0                             | 18      | 5300             | 1                             | 28      | 5301             | 1                             |
| 9                        | 5301             | 1                             | 19      | 5298             | 1                             | 29      | 5299             | 1                             |
| 10                       | 5300             | 1                             | 20      | 5300             | 1                             | 30      | 5297             | 0                             |
| Detection Percentage (%) |                  |                               |         |                  |                               |         |                  | 83.333                        |
| 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>                 |               |                  |                   |                           |                           |  | 5300 |
| 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             | 62.3             | 8                 | -                         | -                         | 346                                    |      |
| 2   | 2             | 51.2             | 15                | 1745                      | -                         | 1205                                   |      |
| 3   | 3             | 93.6             | 5                 | 1002                      | 1634                      | 674                                    |      |
| 4   | 3             | 68.2             | 12                | 1668                      | 1573                      | 384                                    |      |
| 5   | 3             | 83.1             | 8                 | 1188                      | 1888                      | 876                                    |      |
| 6   | 1             | 56.7             | 18                | -                         | -                         | 376                                    |      |
| 7   | 2             | 60.6             | 18                | 1874                      | -                         | 1409                                   |      |
| 8   | 3             | 75.5             | 13                | 1263                      | 1683                      | 1378                                   |      |
| 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>                 |               |                  |                   |                           |                           |  | 5296 |
| 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             | 99.6             | 13                | -                         | -                         | 217                                    |      |
| 2   | 2             | 54.8             | 15                | 1727                      | -                         | 982                                    |      |
| 3   | 3             | 91.1             | 15                | 1120                      | 1826                      | 941                                    |      |
| 4   | 2             | 76.2             | 7                 | 1638                      | -                         | 477                                    |      |
| 5   | 1             | 88.9             | 13                | -                         | -                         | 259                                    |      |
| 6   | 1             | 83               | 9                 | -                         | -                         | 892                                    |      |
| 7   | 1             | 83.9             | 12                | -                         | -                         | 320                                    |      |
| 8   | 2             | 55.9             | 15                | 1613                      | -                         | 445                                    |      |
| 9   | 1             | 96.1             | 13                | -                         | -                         | 779                                    |      |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           |  | 0    |



| <b>Trial Number</b>                           |               |                  |                   |                           |                           |  | 3    |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>              |               |                  |                   |                           |                           |  | 10   |
| <b>Chirp Center Frequency</b>                 |               |                  |                   |                           |                           |  | 5298 |
| 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             | 82               | 6                 | 1246                      | -                         | 1017                                   |      |
| 2   | 1             | 93.2             | 13                | -                         | -                         | 760                                    |      |
| 3   | 2             | 61.3             | 13                | 1175                      | -                         | 327                                    |      |
| 4   | 1             | 52.8             | 8                 | -                         | -                         | 824                                    |      |
| 5   | 3             | 70.6             | 19                | 1005                      | 1076                      | 115                                    |      |
| 6   | 1             | 80.3             | 17                | -                         | -                         | 325                                    |      |
| 7   | 1             | 83.2             | 15                | -                         | -                         | 679                                    |      |
| 8   | 2             | 94               | 9                 | 1805                      | -                         | 888                                    |      |
| 9   | 2             | 67               | 8                 | 1486                      | -                         | 849                                    |      |
| 10  | 1             | 56.4             | 20                | -                         | -                         | 813                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5301 |
| 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             | 90.5             | 8                 | 1149                      | 1612                      | 35                                     |      |
| 2   | 3             | 54.5             | 8                 | 1094                      | 1525                      | 1014                                   |      |
| 3   | 1             | 57.1             | 18                | -                         | -                         | 827                                    |      |
| 4   | 2             | 98.6             | 20                | 1292                      | -                         | 83                                     |      |
| 5   | 2             | 62.9             | 12                | 1433                      | -                         | 676                                    |      |
| 6   | 1             | 71.1             | 15                | -                         | -                         | 708                                    |      |
| 7   | 1             | 96.7             | 5                 | -                         | -                         | 711                                    |      |
| 8   | 1             | 64.3             | 5                 | -                         | -                         | 484                                    |      |
| 9   | 3             | 61.2             | 8                 | 1075                      | 1524                      | 444                                    |      |
| 10  | 2             | 79.2             | 13                | 1877                      | -                         | 797                                    |      |
| 11  | 2             | 79.3             | 20                | 1313                      | -                         | 288                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5299 |
| 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             | 89.5             | 13                | -                         | -                         | 20                                     |      |
| 2   | 3             | 71.8             | 11                | 1446                      | 1549                      | 117                                    |      |
| 3   | 3             | 53.7             | 15                | 1100                      | 1517                      | 485                                    |      |
| 4   | 2             | 99.3             | 11                | 1571                      | -                         | 334                                    |      |
| 5   | 3             | 56.8             | 6                 | 1594                      | 1280                      | 468                                    |      |
| 6   | 1             | 97.4             | 11                | -                         | -                         | 213                                    |      |
| 7   | 2             | 67.6             | 13                | 1831                      | -                         | 14                                     |      |
| 8   | 3             | 77.1             | 8                 | 1683                      | 1337                      | 267                                    |      |
| 9   | 1             | 98.5             | 17                | -                         | -                         | 544                                    |      |
| 10  | 3             | 58.3             | 13                | 1924                      | 1829                      | 159                                    |      |
| 11  | 1             | 98.4             | 14                | -                         | -                         | 380                                    |      |
| 12  | 1             | 79.3             | 11                | -                         | -                         | 257                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5299 |
| 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             | 53.8             | 14                | 1631                      | -                         | 768                                    |      |
| 2   | 1             | 90               | 17                | -                         | -                         | 530                                    |      |
| 3   | 3             | 87.2             | 18                | 1115                      | 1297                      | 157                                    |      |
| 4   | 2             | 82               | 11                | 1728                      | -                         | 892                                    |      |
| 5   | 3             | 69.8             | 7                 | 1641                      | 1779                      | 196                                    |      |
| 6   | 2             | 63.1             | 20                | 1836                      | -                         | 331                                    |      |
| 7   | 1             | 59.8             | 6                 | -                         | -                         | 495                                    |      |
| 8   | 3             | 78.5             | 19                | 1018                      | 1921                      | 546                                    |      |
| 9   | 1             | 85.7             | 6                 | -                         | -                         | 219                                    |      |
| 10  | 3             | 67.7             | 9                 | 1834                      | 1450                      | 534                                    |      |
| 11  | 2             | 84.5             | 15                | 1376                      | -                         | 282                                    |      |
| 12  | 2             | 99.3             | 13                | 1570                      | -                         | 486                                    |      |
| 13  | 2             | 80.2             | 8                 | 1088                      | -                         | 67                                     |      |
| 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>                        |               |                  |                   |                           |                           |  | 5301 |
| 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             | 80.8             | 10                | 1061                      | 1124                      | 389                                    |      |
| 2  | 2             | 81               | 9                 | 1479                      | -                         | 234                                    |      |
| 3  | 2             | 87.6             | 17                | 1247                      | -                         | 577                                    |      |
| 4  | 2             | 94.7             | 18                | 1041                      | -                         | 572                                    |      |
| 5  | 2             | 78               | 18                | 1267                      | -                         | 313                                    |      |
| 6  | 1             | 95.5             | 14                | -                         | -                         | 52                                     |      |
| 7  | 2             | 97.6             | 15                | 1215                      | -                         | 57                                     |      |
| 8  | 3             | 88               | 9                 | 1349                      | 1598                      | 171                                    |      |
| 9  | 2             | 69.7             | 17                | 1711                      | -                         | 769                                    |      |
| 10   | 2             | 96.5             | 17                | 1431                      | -                         | 168                                    |      |
| 11   | 2             | 96.9             | 6                 | 1871                      | -                         | 124                                    |      |
| 12   | 3             | 66.4             | 10                | 1824                      | 1468                      | 766                                    |      |
| 13   | 1             | 78.8             | 10                | -                         | -                         | 537                                    |      |
| 14   | 3             | 87.6             | 6                 | 1080                      | 1159                      | 714                                    |      |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |               |                  |                   |                           |                           |  | 1    |

| <b>Trial Number</b>                                  |               |                  |                   |                           |                           |  | 8    |
|--|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>                     |               |                  |                   |                           |                           |  | 15   |
| <b>Chirp Center Frequency</b>                        |               |                  |                   |                           |                           |  | 5303 |
| 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             | 71.8             | 14                | 1432                      | -                         | 573                                    |      |
| 2  | 2             | 65.9             | 19                | 1762                      | -                         | 314                                    |      |
| 3  | 2             | 74.7             | 6                 | 1754                      | -                         | 377                                    |      |
| 4  | 3             | 81.7             | 5                 | 1133                      | 1032                      | 216                                    |      |
| 5  | 3             | 57.8             | 14                | 1176                      | 1712                      | 129                                    |      |
| 6  | 1             | 80.6             | 6                 | -                         | -                         | 341                                    |      |
| 7  | 3             | 99.3             | 17                | 1268                      | 1876                      | 165                                    |      |
| 8  | 1             | 79.8             | 12                | -                         | -                         | 618                                    |      |
| 9  | 3             | 83               | 11                | 1034                      | 1738                      | 589                                    |      |
| 10   | 3             | 71.5             | 11                | 1473                      | 1255                      | 6                                      |      |
| 11   | 1             | 77.4             | 11                | -                         | -                         | 127                                    |      |
| 12   | 2             | 84.8             | 12                | 1390                      | -                         | 515                                    |      |
| 13   | 2             | 64.6             | 12                | 1653                      | -                         | 148                                    |      |
| 14   | 2             | 92.9             | 12                | 1881                      | -                         | 519                                    |      |
| 15   | 1             | 71.3             | 6                 | -                         | -                         | 301                                    |      |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |               |                  |                   |                           |                           |  | 0    |



| <b>Trial Number</b>                                  |               |                  |                   |                           |                           |  | 9    |
|--|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>                     |               |                  |                   |                           |                           |  | 16   |
| <b>Chirp Center Frequency</b>                        |               |                  |                   |                           |                           |  | 5301 |
| 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             | 55.4             | 9                 | 1318                      | -                         | 383                                    |      |
| 2  | 2             | 80.8             | 18                | 1710                      | -                         | 534                                    |      |
| 3  | 1             | 88.8             | 9                 | -                         | -                         | 495                                    |      |
| 4  | 2             | 78               | 12                | 1818                      | -                         | 92                                     |      |
| 5  | 1             | 78.5             | 12                | -                         | -                         | 108                                    |      |
| 6  | 2             | 55               | 13                | 1219                      | -                         | 123                                    |      |
| 7  | 2             | 75.9             | 20                | 1004                      | -                         | 123                                    |      |
| 8  | 2             | 70.9             | 7                 | 1820                      | -                         | 546                                    |      |
| 9  | 2             | 71.7             | 18                | 1559                      | -                         | 476                                    |      |
| 10   | 2             | 73.9             | 19                | 1232                      | -                         | 235                                    |      |
| 11   | 1             | 59.2             | 20                | -                         | -                         | 424                                    |      |
| 12   | 1             | 55.7             | 9                 | -                         | -                         | 391                                    |      |
| 13   | 3             | 60.9             | 12                | 1144                      | 1370                      | 198                                    |      |
| 14   | 2             | 60.8             | 14                | 1022                      | -                         | 16                                     |      |
| 15   | 3             | 60.6             | 19                | 1526                      | 1326                      | 695                                    |      |
| 16   | 2             | 89               | 5                 | 1029                      | -                         | 131                                    |      |
| <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>                        |               |                  |                   |                           |                           |  | 5300 |
| 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             | 14                | 1119                      | -                         | 488                                    |      |
| 2  | 3             | 81.4             | 13                | 1142                      | 1044                      | 451                                    |      |
| 3  | 3             | 92.9             | 18                | 1006                      | 1147                      | 565                                    |      |
| 4  | 3             | 81.3             | 18                | 1793                      | 1369                      | 285                                    |      |
| 5  | 3             | 76.4             | 20                | 1005                      | 1793                      | 79                                     |      |
| 6  | 1             | 61.6             | 18                | -                         | -                         | 503                                    |      |
| 7  | 1             | 66.6             | 19                | -                         | -                         | 181                                    |      |
| 8  | 1             | 53.7             | 12                | -                         | -                         | 416                                    |      |
| 9  | 2             | 58               | 8                 | 1477                      | -                         | 107                                    |      |
| 10   | 2             | 64               | 18                | 1791                      | -                         | 141                                    |      |
| 11   | 2             | 80.3             | 12                | 1304                      | -                         | 516                                    |      |
| 12   | 3             | 77.3             | 5                 | 1039                      | 1668                      | 372                                    |      |
| 13   | 2             | 97.6             | 11                | 1593                      | -                         | 163                                    |      |
| 14   | 1             | 73               | 6                 | -                         | -                         | 147                                    |      |
| 15   | 3             | 65.1             | 8                 | 1097                      | 1927                      | 102                                    |      |
| 16   | 2             | 59.5             | 13                | 1569                      | -                         | 182                                    |      |
| 17   | 1             | 88.2             | 19                | -                         | -                         | 653                                    |      |
| <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>                        |                      |                         |                          | 5298                             |                                  |   |
| <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                    | 56.1                    | 12                       | 1219                             | -                                | 273   |
| 2  | 1                    | 83.3                    | 7                        | -                                | -                                | 298   |
| 3  | 3                    | 79.6                    | 17                       | 1218                             | 1897                             | 159   |
| 4  | 2                    | 95.8                    | 7                        | 1672                             | -                                | 480   |
| 5  | 2                    | 79.6                    | 8                        | 1029                             | -                                | 387   |
| 6  | 2                    | 88.9                    | 11                       | 1779                             | -                                | 5   |
| 7  | 2                    | 81.4                    | 8                        | 1645                             | -                                | 201   |
| 8  | 2                    | 92                      | 6                        | 1454                             | -                                | 80  |
| 9  | 3                    | 96                      | 13                       | 1518                             | 1121                             | 192   |
| 10   | 2                    | 65.6                    | 11                       | 1798                             | -                                | 349   |
| 11   | 2                    | 98.7                    | 5                        | 1360                             | -                                | 416   |
| 12   | 2                    | 52.9                    | 15                       | 1140                             | -                                | 652   |
| 13   | 2                    | 76.5                    | 8                        | 1032                             | -                                | 92  |
| 14   | 3                    | 73.8                    | 18                       | 1719                             | 1383                             | 502   |
| 15   | 3                    | 83.7                    | 10                       | 1270                             | 1216                             | 343   |
| 16   | 2                    | 89.6                    | 10                       | 1141                             | -                                | 108   |
| 17   | 2                    | 67.2                    | 20                       | 1455                             | -                                | 272   |
| 18   | 3                    | 55.7                    | 14                       | 1444                             | 1475                             | 566   |
| <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>                        |                      |                         | 5302                     |                                  |                                  |   |
| <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                    | 70.6                    | 15                       | 1040                             | -                                | 575   |
| 2  | 2                    | 72.9                    | 13                       | 1460                             | -                                | 178   |
| 3  | 3                    | 88.9                    | 5                        | 1250                             | 1629                             | 191   |
| 4  | 3                    | 60.3                    | 20                       | 1757                             | 1822                             | 468   |
| 5  | 3                    | 92.1                    | 19                       | 1845                             | 1198                             | 476   |
| 6  | 1                    | 73                      | 5                        | -                                | -                                | 532   |
| 7  | 1                    | 50.4                    | 15                       | -                                | -                                | 69  |
| 8  | 1                    | 66.4                    | 10                       | -                                | -                                | 333   |
| 9  | 1                    | 79.1                    | 18                       | -                                | -                                | 437   |
| 10   | 1                    | 71.6                    | 20                       | -                                | -                                | 424   |
| 11   | 2                    | 95.6                    | 13                       | 1229                             | -                                | 498   |
| 12   | 1                    | 74.4                    | 9                        | -                                | -                                | 363   |
| 13   | 3                    | 55.6                    | 17                       | 1263                             | 1724                             | 123   |
| 14   | 2                    | 78.3                    | 13                       | 1507                             | -                                | 37  |
| 15   | 3                    | 54.1                    | 13                       | 1325                             | 1249                             | 192   |
| 16   | 2                    | 67.1                    | 18                       | 1584                             | -                                | 311   |
| 17   | 2                    | 65.8                    | 9                        | 1195                             | -                                | 243   |
| 18   | 2                    | 50.1                    | 12                       | 1755                             | -                                | 48  |
| 19   | 2                    | 87.7                    | 18                       | 1359                             | -                                | 180   |
| <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>                 |               |                  |                   |                           |                           |  | 5298 |
| 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             | 79.5             | 7                 | 1808                      | 1550                      | 274                                    |      |
| 2   | 2             | 76.7             | 20                | 1632                      | -                         | 573                                    |      |
| 3   | 3             | 85.9             | 12                | 1305                      | 1496                      | 18                                     |      |
| 4   | 3             | 86.6             | 14                | 1001                      | 1172                      | 133                                    |      |
| 5   | 2             | 74.9             | 14                | 1348                      | -                         | 48                                     |      |
| 6   | 3             | 82.2             | 20                | 1692                      | 1310                      | 156                                    |      |
| 7   | 2             | 53.9             | 13                | 1342                      | -                         | 45                                     |      |
| 8   | 3             | 62.7             | 15                | 1839                      | 1651                      | 76                                     |      |
| 9   | 2             | 86.2             | 6                 | 1165                      | -                         | 91                                     |      |
| 10  | 1             | 63.1             | 11                | -                         | -                         | 391                                    |      |
| 11  | 2             | 82.4             | 6                 | 1416                      | -                         | 107                                    |      |
| 12  | 1             | 95.8             | 18                | -                         | -                         | 248                                    |      |
| 13  | 2             | 75.7             | 9                 | 1024                      | -                         | 482                                    |      |
| 14  | 3             | 70.1             | 18                | 1563                      | 1020                      | 354                                    |      |
| 15  | 3             | 85.8             | 13                | 1420                      | 1084                      | 446                                    |      |
| 16  | 1             | 63.2             | 7                 | -                         | -                         | 265                                    |      |
| 17  | 1             | 75.1             | 11                | -                         | -                         | 147                                    |      |
| 18  | 2             | 69.5             | 5                 | 1802                      | -                         | 256                                    |      |
| 19  | 1             | 51.8             | 19                | -                         | -                         | 422                                    |      |
| 20  | 2             | 62.3             | 5                 | 1449                      | -                         | 304                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5301 |
| 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             | 74.9             | 5                 | 1314                      | 1466                      | 1289                                   |      |
| 2   | 2             | 83.9             | 19                | 1442                      | -                         | 1436                                   |      |
| 3   | 2             | 55.8             | 6                 | 1147                      | -                         | 240                                    |      |
| 4   | 2             | 59.4             | 6                 | 1490                      | -                         | 1455                                   |      |
| 5   | 2             | 78.2             | 15                | 1665                      | -                         | 1312                                   |      |
| 6   | 2             | 57.3             | 15                | 1357                      | -                         | 264                                    |      |
| 7   | 2             | 76.2             | 11                | 1651                      | -                         | 255                                    |      |
| 8   | 3             | 59               | 7                 | 1460                      | 1109                      | 1410                                   |      |
| 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>                 |               |                  |                   |                           |                           |  | 5303 |
| 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             | 77.7             | 19                | 1046                      | 1568                      | 17                                     |      |
| 2   | 2             | 98.2             | 20                | 1628                      | -                         | 877                                    |      |
| 3   | 2             | 95.3             | 8                 | 1540                      | -                         | 1066                                   |      |
| 4   | 2             | 78.8             | 15                | 1341                      | -                         | 822                                    |      |
| 5   | 2             | 52.8             | 20                | 1011                      | -                         | 1020                                   |      |
| 6   | 2             | 65.2             | 9                 | 1480                      | -                         | 602                                    |      |
| 7   | 2             | 99.5             | 10                | 1867                      | -                         | 884                                    |      |
| 8   | 2             | 79.5             | 13                | 1148                      | -                         | 342                                    |      |
| 9   | 3             | 50.6             | 13                | 1030                      | 1525                      | 1321                                   |      |
| 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>                 |               |                  |                   |                           |                           |  | 5300 |
| 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             | 97.5             | 11                | 1357                      | -                         | 764                                    |      |
| 2   | 2             | 91.8             | 13                | 1896                      | -                         | 298                                    |      |
| 3   | 1             | 78.5             | 5                 | -                         | -                         | 1117                                   |      |
| 4   | 1             | 60.1             | 11                | -                         | -                         | 1069                                   |      |
| 5   | 2             | 96.2             | 10                | 1041                      | -                         | 1157                                   |      |
| 6   | 2             | 56.6             | 18                | 1626                      | -                         | 701                                    |      |
| 7   | 1             | 77.1             | 20                | -                         | -                         | 323                                    |      |
| 8   | 2             | 96.3             | 8                 | 1682                      | -                         | 307                                    |      |
| 9   | 2             | 52.2             | 13                | 1017                      | -                         | 217                                    |      |
| 10  | 1             | 92.8             | 15                | -                         | -                         | 316                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5299 |
| 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             | 57.3             | 8                 | 1220                      | -                         | 792                                    |      |
| 2   | 3             | 73.1             | 5                 | 1717                      | 1679                      | 845                                    |      |
| 3   | 2             | 54.1             | 14                | 1008                      | -                         | 112                                    |      |
| 4   | 2             | 98.8             | 19                | 1137                      | -                         | 715                                    |      |
| 5   | 3             | 85.5             | 8                 | 1068                      | 1003                      | 301                                    |      |
| 6   | 2             | 78.5             | 7                 | 1387                      | -                         | 827                                    |      |
| 7   | 2             | 77.9             | 12                | 1869                      | -                         | 506                                    |      |
| 8   | 1             | 81.9             | 10                | -                         | -                         | 549                                    |      |
| 9   | 1             | 50.4             | 9                 | -                         | -                         | 464                                    |      |
| 10  | 1             | 75.2             | 8                 | -                         | -                         | 790                                    |      |
| 11  | 2             | 92.7             | 7                 | 1770                      | -                         | 967                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5300 |
| 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             | 79.1             | 6                 | 1042                      | -                         | 793                                    |      |
| 2   | 3             | 55.7             | 9                 | 1327                      | 1744                      | 159                                    |      |
| 3   | 1             | 95               | 20                | -                         | -                         | 734                                    |      |
| 4   | 1             | 88.4             | 5                 | -                         | -                         | 523                                    |      |
| 5   | 1             | 92.3             | 15                | -                         | -                         | 546                                    |      |
| 6   | 1             | 93.6             | 6                 | -                         | -                         | 208                                    |      |
| 7   | 2             | 95.1             | 12                | 1044                      | -                         | 894                                    |      |
| 8   | 1             | 59.5             | 17                | -                         | -                         | 666                                    |      |
| 9   | 2             | 98.7             | 17                | 1422                      | -                         | 640                                    |      |
| 10  | 2             | 65.1             | 5                 | 1104                      | -                         | 320                                    |      |
| 11  | 1             | 60.2             | 5                 | -                         | -                         | 60                                     |      |
| 12  | 1             | 88.7             | 8                 | -                         | -                         | 823                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5298 |
| 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             | 53.9             | 10                | -                         | -                         | 226                                    |      |
| 2   | 2             | 82.6             | 13                | 1008                      | -                         | 854                                    |      |
| 3   | 1             | 87.7             | 8                 | -                         | -                         | 303                                    |      |
| 4   | 3             | 69               | 12                | 1696                      | 1606                      | 528                                    |      |
| 5   | 1             | 68.6             | 12                | -                         | -                         | 220                                    |      |
| 6   | 3             | 76.5             | 13                | 1333                      | 1468                      | 389                                    |      |
| 7   | 2             | 95.8             | 17                | 1380                      | -                         | 57                                     |      |
| 8   | 2             | 55.6             | 19                | 1147                      | -                         | 334                                    |      |
| 9   | 2             | 78.6             | 14                | 1268                      | -                         | 128                                    |      |
| 10  | 2             | 65.4             | 17                | 1231                      | -                         | 913                                    |      |
| 11  | 2             | 76.6             | 18                | 1883                      | -                         | 518                                    |      |
| 12  | 1             | 93.2             | 6                 | -                         | -                         | 596                                    |      |
| 13  | 2             | 50.2             | 13                | 1836                      | -                         | 61                                     |      |
| 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>                 |               |                  |                   |                           |                           |  | 5300 |
| 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             | 60.9             | 13                | -                         | -                         | 142                                    |      |
| 2   | 2             | 81.7             | 15                | 1831                      | -                         | 522                                    |      |
| 3   | 2             | 78.5             | 5                 | 1396                      | -                         | 790                                    |      |
| 4   | 2             | 98.2             | 6                 | 1652                      | -                         | 3                                      |      |
| 5   | 1             | 64.1             | 12                | -                         | -                         | 414                                    |      |
| 6   | 3             | 53               | 18                | 1862                      | 1902                      | 157                                    |      |
| 7   | 2             | 62.3             | 15                | 1490                      | -                         | 248                                    |      |
| 8   | 2             | 87               | 11                | 1411                      | -                         | 576                                    |      |
| 9   | 2             | 78.4             | 8                 | 1090                      | -                         | 737                                    |      |
| 10  | 2             | 87.2             | 7                 | 1021                      | -                         | 343                                    |      |
| 11  | 3             | 71               | 13                | 1662                      | 1841                      | 105                                    |      |
| 12  | 2             | 77.2             | 5                 | 1557                      | -                         | 601                                    |      |
| 13  | 1             | 94.4             | 15                | -                         | -                         | 108                                    |      |
| 14  | 1             | 90.6             | 13                | -                         | -                         | 506                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5302 |
| 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             | 76.5             | 8                 | 1870                      | 1326                      | 385                                    |      |
| 2   | 2             | 95.3             | 13                | 1162                      | -                         | 73                                     |      |
| 3   | 3             | 58.9             | 9                 | 1586                      | 1909                      | 742                                    |      |
| 4   | 2             | 73.1             | 13                | 1460                      | -                         | 330                                    |      |
| 5   | 2             | 73.1             | 12                | 1488                      | -                         | 25                                     |      |
| 6   | 2             | 75.1             | 5                 | 1331                      | -                         | 418                                    |      |
| 7   | 3             | 98.5             | 11                | 1005                      | 1532                      | 214                                    |      |
| 8   | 3             | 72.5             | 13                | 1110                      | 1903                      | 387                                    |      |
| 9   | 3             | 67.4             | 12                | 1567                      | 1513                      | 80                                     |      |
| 10  | 2             | 76.1             | 12                | 1005                      | -                         | 277                                    |      |
| 11  | 2             | 94.3             | 17                | 1413                      | -                         | 314                                    |      |
| 12  | 2             | 72.8             | 12                | 1778                      | -                         | 66                                     |      |
| 13  | 2             | 90.9             | 14                | 1793                      | -                         | 147                                    |      |
| 14  | 3             | 94.8             | 11                | 1012                      | 1742                      | 441                                    |      |
| 15  | 3             | 95               | 12                | 1011                      | 1641                      | 609                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5302 |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1   | 1             | 96.7             | 9                 | -                         | -                         | 308                                    |      |
| 2   | 2             | 78.3             | 13                | 1045                      | -                         | 27                                     |      |
| 3   | 1             | 56.5             | 12                | -                         | -                         | 74                                     |      |
| 4   | 3             | 88.5             | 14                | 1119                      | 1020                      | 629                                    |      |
| 5   | 2             | 62.4             | 9                 | 1436                      | -                         | 548                                    |      |
| 6   | 2             | 78.2             | 5                 | 1147                      | -                         | 341                                    |      |
| 7   | 3             | 76.8             | 14                | 1069                      | 1575                      | 360                                    |      |
| 8   | 2             | 91.6             | 18                | 1026                      | -                         | 602                                    |      |
| 9   | 2             | 93.7             | 5                 | 1130                      | -                         | 623                                    |      |
| 10  | 2             | 97.4             | 8                 | 1100                      | -                         | 256                                    |      |
| 11  | 3             | 90.1             | 6                 | 1629                      | 1375                      | 108                                    |      |
| 12  | 2             | 79.9             | 18                | 1809                      | -                         | 183                                    |      |
| 13  | 2             | 83               | 10                | 1370                      | -                         | 477                                    |      |
| 14  | 2             | 89.1             | 13                | 1239                      | -                         | 484                                    |      |
| 15  | 2             | 58.3             | 8                 | 1321                      | -                         | 276                                    |      |
| 16  | 1             | 85.2             | 13                | -                         | -                         | 22                                     |      |
| 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>                 |               |                  | 5299              |                           |                           |  |
| 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             | 60               | 10                | 1097                      | 1748                      | 56                                     |
| 2   | 3             | 66.3             | 13                | 1391                      | 1430                      | 421                                    |
| 3   | 2             | 88.5             | 15                | 1040                      | -                         | 583                                    |
| 4   | 2             | 72.1             | 8                 | 1526                      | -                         | 161                                    |
| 5   | 1             | 72.3             | 8                 | -                         | -                         | 450                                    |
| 6   | 2             | 67.3             | 7                 | 1022                      | -                         | 48                                     |
| 7   | 2             | 56.1             | 12                | 1325                      | -                         | 661                                    |
| 8   | 1             | 83.5             | 11                | -                         | -                         | 695                                    |
| 9   | 3             | 99.4             | 13                | 1490                      | 1033                      | 405                                    |
| 10  | 1             | 54.2             | 12                | -                         | -                         | 126                                    |
| 11  | 3             | 92.7             | 17                | 1251                      | 1631                      | 365                                    |
| 12  | 3             | 95.1             | 17                | 1741                      | 1162                      | 57                                     |
| 13  | 2             | 84               | 9                 | 1597                      | -                         | 167                                    |
| 14  | 1             | 68.5             | 18                | -                         | -                         | 512                                    |
| 15  | 1             | 76.5             | 20                | -                         | -                         | 185                                    |
| 16  | 3             | 86.6             | 11                | 1774                      | 1875                      | 457                                    |
| 17  | 2             | 62.2             | 9                 | 1563                      | -                         | 492                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |

| <b>Trial Number</b>                           |               |                  | 24                |                           |                           |  |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|
| <b>Number of Bursts in Trial</b>              |               |                  | 18                |                           |                           |  |
| <b>Chirp Center Frequency</b>                 |               |                  | 5299              |                           |                           |  |
| 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             | 86.6             | 19                | -                         | -                         | 621                                    |
| 2   | 2             | 95.3             | 17                | 1028                      | -                         | 128                                    |
| 3   | 1             | 76.2             | 12                | -                         | -                         | 251                                    |
| 4   | 3             | 71.4             | 19                | 1287                      | 1404                      | 269                                    |
| 5   | 3             | 51.7             | 12                | 1564                      | 1339                      | 633                                    |
| 6   | 2             | 77               | 5                 | 1899                      | -                         | 615                                    |
| 7   | 1             | 87.5             | 12                | -                         | -                         | 375                                    |
| 8   | 3             | 59               | 17                | 1327                      | 1615                      | 610                                    |
| 9   | 2             | 78.3             | 15                | 1551                      | -                         | 548                                    |
| 10  | 2             | 89.7             | 5                 | 1718                      | -                         | 456                                    |
| 11  | 2             | 92.1             | 7                 | 1403                      | -                         | 12                                     |
| 12  | 2             | 97.3             | 14                | 1338                      | -                         | 596                                    |
| 13  | 3             | 80.3             | 20                | 1354                      | 1563                      | 484                                    |
| 14  | 1             | 98.2             | 8                 | -                         | -                         | 428                                    |
| 15  | 3             | 94.4             | 13                | 1795                      | 1829                      | 512                                    |
| 16  | 2             | 90.4             | 13                | 1105                      | -                         | 342                                    |
| 17  | 2             | 73.6             | 19                | 1787                      | -                         | 292                                    |
| 18  | 1             | 82.9             | 7                 | -                         | -                         | 618                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |



| <b>Trial Number</b>                                  |                      |                         | 25                       |                                  |                                  |   |
|--|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|---|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 19                       |                                  |                                  |   |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5301                     |                                  |                                  |   |
| <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                    | 90                      | 18                       | -                                | -                                | 173   |
| 2  | 1                    | 65.3                    | 19                       | -                                | -                                | 245   |
| 3  | 2                    | 82.6                    | 10                       | 1756                             | -                                | 127   |
| 4  | 2                    | 93.9                    | 18                       | 1557                             | -                                | 287   |
| 5  | 2                    | 50.5                    | 13                       | 1479                             | -                                | 282   |
| 6  | 1                    | 68                      | 7                        | -                                | -                                | 176   |
| 7  | 3                    | 88.4                    | 11                       | 1244                             | 1076                             | 568   |
| 8  | 3                    | 66.8                    | 11                       | 1288                             | 1909                             | 448   |
| 9  | 2                    | 88                      | 12                       | 1450                             | -                                | 527   |
| 10   | 3                    | 51.1                    | 6                        | 1797                             | 1935                             | 195   |
| 11   | 2                    | 93.8                    | 13                       | 1073                             | -                                | 184   |
| 12   | 1                    | 83.5                    | 10                       | -                                | -                                | 506   |
| 13   | 2                    | 96.9                    | 12                       | 1047                             | -                                | 267   |
| 14   | 3                    | 87.2                    | 18                       | 1521                             | 1450                             | 243   |
| 15   | 2                    | 60.1                    | 8                        | 1545                             | -                                | 291   |
| 16   | 3                    | 98                      | 10                       | 1842                             | 1402                             | 554   |
| 17   | 3                    | 57                      | 19                       | 1665                             | 1732                             | 143   |
| 18   | 1                    | 74.3                    | 14                       | -                                | -                                | 31  |
| 19   | 2                    | 57.8                    | 10                       | 1576                             | -                                | 609   |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 1   |





| <b>Trial Number</b>                           |               |                  |                   |                           |                           |  | 26   |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>              |               |                  |                   |                           |                           |  | 20   |
| <b>Chirp Center Frequency</b>                 |               |                  |                   |                           |                           |  | 5299 |
| 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             | 92.8             | 9                 | 1222                      | -                         | 531                                    |      |
| 2   | 2             | 52.4             | 8                 | 1547                      | -                         | 168                                    |      |
| 3   | 3             | 56.8             | 7                 | 1158                      | 1184                      | 193                                    |      |
| 4   | 1             | 91.2             | 7                 | -                         | -                         | 565                                    |      |
| 5   | 3             | 61.2             | 10                | 1558                      | 1664                      | 387                                    |      |
| 6   | 3             | 62               | 7                 | 1518                      | 1656                      | 391                                    |      |
| 7   | 2             | 69               | 5                 | 1531                      | -                         | 327                                    |      |
| 8   | 2             | 67.3             | 18                | 1064                      | -                         | 25                                     |      |
| 9   | 1             | 94.1             | 5                 | -                         | -                         | 78                                     |      |
| 10  | 2             | 76               | 17                | 1190                      | -                         | 222                                    |      |
| 11  | 2             | 81.9             | 12                | 1815                      | -                         | 96                                     |      |
| 12  | 2             | 57.9             | 8                 | 1594                      | -                         | 277                                    |      |
| 13  | 3             | 68.3             | 19                | 1427                      | 1540                      | 41                                     |      |
| 14  | 2             | 53.3             | 7                 | 1713                      | -                         | 48                                     |      |
| 15  | 2             | 85.3             | 15                | 1136                      | -                         | 48                                     |      |
| 16  | 1             | 65.3             | 20                | -                         | -                         | 57                                     |      |
| 17  | 3             | 79.8             | 20                | 1010                      | 1259                      | 48                                     |      |
| 18  | 2             | 56.9             | 20                | 1357                      | -                         | 483                                    |      |
| 19  | 2             | 93               | 9                 | 1686                      | -                         | 73                                     |      |
| 20  | 2             | 82.8             | 10                | 1021                      | -                         | 352                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5296 |
| 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             | 50.9             | 11                | 1106                      | 1077                      | 1293                                   |      |
| 2   | 2             | 77.8             | 18                | 1836                      | -                         | 1235                                   |      |
| 3   | 3             | 60.7             | 5                 | 1069                      | 1635                      | 1092                                   |      |
| 4   | 2             | 77.2             | 13                | 1916                      | -                         | 1343                                   |      |
| 5   | 2             | 91.6             | 13                | 1465                      | -                         | 1466                                   |      |
| 6   | 2             | 56.8             | 17                | 1783                      | -                         | 376                                    |      |
| 7   | 1             | 59.5             | 20                | -                         | -                         | 131                                    |      |
| 8   | 1             | 66.5             | 12                | -                         | -                         | 1024                                   |      |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           |  | 0    |



| <b>Trial Number</b>                           |               |                  |                   |                           |                           |  | 28   |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>              |               |                  |                   |                           |                           |  | 9    |
| <b>Chirp Center Frequency</b>                 |               |                  |                   |                           |                           |  | 5301 |
| 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               | 9                 | 1092                      | -                         | 965                                    |      |
| 2   | 2             | 89.2             | 6                 | 1550                      | -                         | 1226                                   |      |
| 3   | 1             | 81.2             | 12                | -                         | -                         | 277                                    |      |
| 4   | 2             | 80.6             | 15                | 1616                      | -                         | 458                                    |      |
| 5   | 2             | 62.8             | 10                | 1812                      | -                         | 748                                    |      |
| 6   | 1             | 71               | 8                 | -                         | -                         | 434                                    |      |
| 7   | 2             | 69.3             | 6                 | 1027                      | -                         | 1111                                   |      |
| 8   | 2             | 77.2             | 13                | 1076                      | -                         | 638                                    |      |
| 9   | 2             | 65.4             | 5                 | 1582                      | -                         | 278                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5299 |
| 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             | 51.5             | 19                | -                         | -                         | 151                                    |      |
| 2   | 1             | 82.3             | 13                | -                         | -                         | 1071                                   |      |
| 3   | 3             | 78.3             | 8                 | 1115                      | 1740                      | 646                                    |      |
| 4   | 2             | 99               | 14                | 1101                      | -                         | 709                                    |      |
| 5   | 3             | 98.8             | 7                 | 1819                      | 945                       | 556                                    |      |
| 6   | 2             | 80.9             | 19                | 1033                      | -                         | 567                                    |      |
| 7   | 2             | 64               | 12                | 1041                      | -                         | 581                                    |      |
| 8   | 1             | 79               | 20                | -                         | -                         | 798                                    |      |
| 9   | 1             | 68               | 8                 | -                         | -                         | 112                                    |      |
| 10  | 2             | 50.4             | 13                | 1587                      | -                         | 26                                     |      |
| 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>                        |                      |                         | 5297                     |                                  |                                  |   |
| <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                    | 57.8                    | 5                        | 1324                             | 1716                             | 82  |
| 2  | 2                    | 70.1                    | 20                       | 1733                             | -                                | 587   |
| 3  | 2                    | 95.2                    | 13                       | 1188                             | -                                | 789   |
| 4  | 3                    | 84.6                    | 20                       | 1042                             | 1259                             | 1021  |
| 5  | 3                    | 96.5                    | 7                        | 1329                             | 1596                             | 16  |
| 6  | 2                    | 84.3                    | 15                       | 1606                             | -                                | 708   |
| 7  | 3                    | 53.5                    | 19                       | 1783                             | 1458                             | 738   |
| 8  | 3                    | 74.9                    | 5                        | 1599                             | 1891                             | 466   |
| 9  | 3                    | 53.8                    | 7                        | 1494                             | 1467                             | 252   |
| 10   | 2                    | 60.5                    | 14                       | 1319                             | -                                | 464   |
| 11   | 1                    | 73.3                    | 10                       | -                                | -                                | 845   |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 0   |



**Type 6 Radar Statistical Performance**

| Trial #                  | Test Freq. (MHz) | Pulses / Hop | Pulse Width (us) | PRI (us) | 1=Detection<br>0=No Detection |
|--------------------------|------------------|--------------|------------------|----------|-------------------------------|
| 1                        | 5300             | 9            | 1                | 333      | 1                             |
| 2                        | 5300             | 9            | 1                | 333      | 1                             |
| 3                        | 5300             | 9            | 1                | 333      | 1                             |
| 4                        | 5300             | 9            | 1                | 333      | 1                             |
| 5                        | 5300             | 9            | 1                | 333      | 1                             |
| 6                        | 5300             | 9            | 1                | 333      | 1                             |
| 7                        | 5300             | 9            | 1                | 333      | 1                             |
| 8                        | 5300             | 9            | 1                | 333      | 1                             |
| 9                        | 5300             | 9            | 1                | 333      | 0                             |
| 10                       | 5300             | 9            | 1                | 333      | 1                             |
| 11                       | 5300             | 9            | 1                | 333      | 1                             |
| 12                       | 5300             | 9            | 1                | 333      | 1                             |
| 13                       | 5300             | 9            | 1                | 333      | 1                             |
| 14                       | 5300             | 9            | 1                | 333      | 1                             |
| 15                       | 5300             | 9            | 1                | 333      | 1                             |
| 16                       | 5300             | 9            | 1                | 333      | 1                             |
| 17                       | 5300             | 9            | 1                | 333      | 1                             |
| 18                       | 5300             | 9            | 1                | 333      | 1                             |
| 19                       | 5300             | 9            | 1                | 333      | 1                             |
| 20                       | 5300             | 9            | 1                | 333      | 1                             |
| 21                       | 5300             | 9            | 1                | 333      | 1                             |
| 22                       | 5300             | 9            | 1                | 333      | 1                             |
| 23                       | 5300             | 9            | 1                | 333      | 1                             |
| 24                       | 5300             | 9            | 1                | 333      | 1                             |
| 25                       | 5300             | 9            | 1                | 333      | 1                             |
| 26                       | 5300             | 9            | 1                | 333      | 1                             |
| 27                       | 5300             | 9            | 1                | 333      | 1                             |
| 28                       | 5300             | 9            | 1                | 333      | 1                             |
| 29                       | 5300             | 9            | 1                | 333      | 1                             |
| 30                       | 5300             | 9            | 1                | 333      | 0                             |
| Detection Percentage (%) |                  |              |                  |          | 93.333                        |
| Limit                    |                  |              |                  |          | 70%                           |
| <b>Test Result</b>       |                  |              |                  |          | <b>Complied</b>               |



Modulation Mode: OFDM (20MHz)

**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                        | 5291             | 1                                 | 1930.5  | 518      | 1                             |
| 2                        | 5292             | 23                                | 326.2   | 3066     | 1                             |
| 3                        | 5293             | 19                                | 1139.0  | 878      | 1                             |
| 4                        | 5294             | 12                                | 1355.0  | 738      | 1                             |
| 5                        | 5295             | 4                                 | 1730.1  | 578      | 1                             |
| 6                        | 5296             | 8                                 | 1519.8  | 658      | 1                             |
| 7                        | 5297             | 15                                | 1253.1  | 798      | 1                             |
| 8                        | 5298             | 6                                 | 1618.1  | 618      | 0                             |
| 9                        | 5299             | 14                                | 1285.3  | 778      | 1                             |
| 10                       | 5300             | 3                                 | 1792.1  | 558      | 1                             |
| 11                       | 5301             | 13                                | 1319.3  | 758      | 0                             |
| 12                       | 5302             | 9                                 | 1474.9  | 678      | 1                             |
| 13                       | 5303             | 7                                 | 1567.4  | 638      | 1                             |
| 14                       | 5304             | 17                                | 1193.3  | 838      | 1                             |
| 15                       | 5305             | 10                                | 1432.7  | 698      | 1                             |
| 16                       | 5306             | -                                 | 1692.0  | 591      | 1                             |
| 17                       | 5307             | -                                 | 328.1   | 3048     | 1                             |
| 18                       | 5308             | -                                 | 373.4   | 2678     | 1                             |
| 19                       | 5309             | -                                 | 574.4   | 1741     | 1                             |
| 20                       | 5296             | -                                 | 1216.5  | 822      | 1                             |
| 21                       | 5297             | -                                 | 801.3   | 1248     | 1                             |
| 22                       | 5298             | -                                 | 488.5   | 2047     | 1                             |
| 23                       | 5299             | -                                 | 956.0   | 1046     | 1                             |
| 24                       | 5300             | -                                 | 517.6   | 1932     | 1                             |
| 25                       | 5301             | -                                 | 1422.5  | 703      | 1                             |
| 26                       | 5303             | -                                 | 542.0   | 1845     | 1                             |
| 27                       | 5304             | -                                 | 741.3   | 1349     | 1                             |
| 28                       | 5305             | -                                 | 881.8   | 1134     | 0                             |
| 29                       | 5306             | -                                 | 427.4   | 2340     | 1                             |
| 30                       | 5298             | -                                 | 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                        | 5291             | 2.6              | 221      | 23             | 1                             |
| 2                        | 5292             | 4.6              | 198      | 27             | 0                             |
| 3                        | 5293             | 1.1              | 184      | 29             | 1                             |
| 4                        | 5294             | 4.8              | 203      | 24             | 1                             |
| 5                        | 5295             | 2.4              | 162      | 25             | 1                             |
| 6                        | 5296             | 3.4              | 204      | 28             | 1                             |
| 7                        | 5297             | 2.3              | 170      | 27             | 1                             |
| 8                        | 5298             | 3.5              | 184      | 23             | 1                             |
| 9                        | 5299             | 4.9              | 150      | 27             | 1                             |
| 10                       | 5300             | 4.6              | 211      | 29             | 1                             |
| 11                       | 5301             | 2.9              | 158      | 23             | 1                             |
| 12                       | 5302             | 2.6              | 226      | 27             | 1                             |
| 13                       | 5303             | 1.6              | 204      | 26             | 0                             |
| 14                       | 5304             | 3.9              | 181      | 25             | 1                             |
| 15                       | 5305             | 4.6              | 202      | 24             | 1                             |
| 16                       | 5306             | 4.1              | 194      | 27             | 1                             |
| 17                       | 5307             | 2.3              | 193      | 28             | 1                             |
| 18                       | 5308             | 3.9              | 173      | 29             | 1                             |
| 19                       | 5309             | 4.3              | 188      | 23             | 1                             |
| 20                       | 5296             | 1.5              | 215      | 26             | 1                             |
| 21                       | 5297             | 4.9              | 227      | 27             | 1                             |
| 22                       | 5298             | 1.1              | 199      | 23             | 1                             |
| 23                       | 5299             | 4.5              | 155      | 29             | 1                             |
| 24                       | 5300             | 4.0              | 190      | 27             | 0                             |
| 25                       | 5301             | 2.4              | 151      | 23             | 1                             |
| 26                       | 5303             | 2.5              | 180      | 28             | 1                             |
| 27                       | 5304             | 2.5              | 228      | 23             | 1                             |
| 28                       | 5305             | 2.5              | 203      | 25             | 1                             |
| 29                       | 5306             | 1.5              | 188      | 25             | 1                             |
| 30                       | 5298             | 1.9              | 217      | 24             | 0                             |
| Detection Percentage (%) |                  |                  |          |                | 86.667                        |
| 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                        | 5291             | 8.0              | 205      | 16             | 0                             |
| 2                        | 5292             | 6.7              | 382      | 18             | 1                             |
| 3                        | 5293             | 8.6              | 418      | 16             | 0                             |
| 4                        | 5294             | 9.4              | 351      | 17             | 1                             |
| 5                        | 5295             | 7.4              | 383      | 18             | 1                             |
| 6                        | 5296             | 9.8              | 232      | 16             | 0                             |
| 7                        | 5297             | 9.1              | 377      | 17             | 1                             |
| 8                        | 5298             | 9.6              | 457      | 16             | 1                             |
| 9                        | 5299             | 8.0              | 471      | 18             | 1                             |
| 10                       | 5300             | 9.0              | 304      | 18             | 1                             |
| 11                       | 5301             | 8.0              | 316      | 17             | 1                             |
| 12                       | 5302             | 9.8              | 325      | 16             | 1                             |
| 13                       | 5303             | 8.0              | 409      | 17             | 0                             |
| 14                       | 5304             | 9.9              | 200      | 17             | 1                             |
| 15                       | 5305             | 8.8              | 458      | 16             | 1                             |
| 16                       | 5306             | 8.0              | 232      | 18             | 1                             |
| 17                       | 5307             | 8.3              | 250      | 16             | 1                             |
| 18                       | 5308             | 8.7              | 270      | 16             | 1                             |
| 19                       | 5309             | 7.7              | 350      | 17             | 1                             |
| 20                       | 5296             | 7.1              | 230      | 16             | 1                             |
| 21                       | 5297             | 7.3              | 416      | 18             | 1                             |
| 22                       | 5298             | 7.6              | 498      | 18             | 0                             |
| 23                       | 5299             | 7.3              | 286      | 17             | 1                             |
| 24                       | 5300             | 7.3              | 287      | 16             | 1                             |
| 25                       | 5301             | 7.5              | 462      | 17             | 0                             |
| 26                       | 5303             | 6.2              | 300      | 17             | 1                             |
| 27                       | 5304             | 6.4              | 323      | 18             | 1                             |
| 28                       | 5305             | 7.1              | 420      | 16             | 1                             |
| 29                       | 5306             | 7.2              | 395      | 18             | 0                             |
| 30                       | 5298             | 8.4              | 377      | 16             | 1                             |
| Detection Percentage (%) |                  |                  |          |                | 76.667                        |
| 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                        | 5291                    | 18.0                    | 242             | 15                    | 1                                     |
| 2                        | 5292                    | 19.9                    | 279             | 12                    | 1                                     |
| 3                        | 5293                    | 12.9                    | 487             | 14                    | 1                                     |
| 4                        | 5294                    | 15.0                    | 452             | 13                    | 1                                     |
| 5                        | 5295                    | 16.3                    | 230             | 12                    | 1                                     |
| 6                        | 5296                    | 19.8                    | 238             | 13                    | 1                                     |
| 7                        | 5297                    | 18.2                    | 420             | 16                    | 1                                     |
| 8                        | 5298                    | 16.3                    | 452             | 15                    | 1                                     |
| 9                        | 5299                    | 14.2                    | 495             | 12                    | 1                                     |
| 10                       | 5300                    | 17.8                    | 228             | 16                    | 1                                     |
| 11                       | 5301                    | 19.1                    | 211             | 16                    | 1                                     |
| 12                       | 5302                    | 18.4                    | 283             | 15                    | 0                                     |
| 13                       | 5303                    | 11.8                    | 411             | 12                    | 1                                     |
| 14                       | 5304                    | 14.2                    | 284             | 13                    | 1                                     |
| 15                       | 5305                    | 13.9                    | 202             | 12                    | 1                                     |
| 16                       | 5306                    | 17.8                    | 340             | 14                    | 1                                     |
| 17                       | 5307                    | 15.6                    | 290             | 16                    | 0                                     |
| 18                       | 5308                    | 14.6                    | 250             | 16                    | 1                                     |
| 19                       | 5309                    | 14.4                    | 484             | 15                    | 1                                     |
| 20                       | 5296                    | 18.9                    | 387             | 13                    | 1                                     |
| 21                       | 5297                    | 11.1                    | 348             | 15                    | 1                                     |
| 22                       | 5298                    | 13.8                    | 291             | 16                    | 1                                     |
| 23                       | 5299                    | 14.3                    | 295             | 12                    | 0                                     |
| 24                       | 5300                    | 12.5                    | 300             | 12                    | 1                                     |
| 25                       | 5301                    | 12.5                    | 322             | 14                    | 1                                     |
| 26                       | 5303                    | 12.5                    | 383             | 13                    | 1                                     |
| 27                       | 5304                    | 15.7                    | 322             | 16                    | 0                                     |
| 28                       | 5305                    | 19.8                    | 469             | 13                    | 1                                     |
| 29                       | 5306                    | 18.6                    | 406             | 15                    | 1                                     |
| 30                       | 5298                    | 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                           | 86.667                          |
| 3                           | 76.667                          |
| 4                           | 86.667                          |
| Aggregate (Radar Types 1-4) | 85.000                          |
| Limit                       | 80%                             |
| <b>Test Result</b>          | <b>Complied</b>                 |



**Type 5 Radar Statistical Performance**

| Trial #                  | Test Freq. (MHz) | 1=Detection<br>0=No Detection | Trial # | Test Freq. (MHz) | 1=Detection<br>0=No Detection | Trial # | Test Freq. (MHz) | 1=Detection<br>0=No Detection |
|--------------------------|------------------|-------------------------------|---------|------------------|-------------------------------|---------|------------------|-------------------------------|
| 1                        | 5293             | 0                             | 11      | 5296             | 1                             | 21      | 5303             | 1                             |
| 2                        | 5297             | 1                             | 12      | 5294             | 0                             | 22      | 5301             | 1                             |
| 3                        | 5301             | 1                             | 13      | 5293             | 1                             | 23      | 5297             | 1                             |
| 4                        | 5304             | 1                             | 14      | 5294             | 1                             | 24      | 5295             | 1                             |
| 5                        | 5306             | 1                             | 15      | 5296             | 1                             | 25      | 5293             | 0                             |
| 6                        | 5306             | 1                             | 16      | 5299             | 1                             | 26      | 5299             | 1                             |
| 7                        | 5304             | 1                             | 17      | 5302             | 1                             | 27      | 5295             | 1                             |
| 8                        | 5302             | 1                             | 18      | 5305             | 1                             | 28      | 5298             | 1                             |
| 9                        | 5300             | 1                             | 19      | 5307             | 1                             | 29      | 5300             | 1                             |
| 10                       | 5298             | 1                             | 20      | 5305             | 1                             | 30      | 5303             | 1                             |
| Detection Percentage (%) |                  |                               |         |                  |                               |         |                  | 90.000                        |
| 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>                 |               |                  |                   |                           |                           |  | 5293 |
| 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             | 62.3             | 8                 | -                         | -                         | 346                                    |      |
| 2   | 2             | 51.2             | 15                | 1745                      | -                         | 1205                                   |      |
| 3   | 3             | 93.6             | 5                 | 957                       | 1634                      | 674                                    |      |
| 4   | 3             | 68.2             | 12                | 1668                      | 1573                      | 384                                    |      |
| 5   | 3             | 83.1             | 8                 | 1188                      | 1888                      | 876                                    |      |
| 6   | 1             | 56.7             | 18                | -                         | -                         | 376                                    |      |
| 7   | 2             | 60.6             | 18                | 1874                      | -                         | 1409                                   |      |
| 8   | 3             | 75.5             | 13                | 1263                      | 1683                      | 1378                                   |      |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           |  | 0    |

| <b>Trial Number</b>                           |               |                  |                   |                           |                           |  | 2    |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>              |               |                  |                   |                           |                           |  | 9    |
| <b>Chirp Center Frequency</b>                 |               |                  |                   |                           |                           |  | 5297 |
| 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             | 99.6             | 13                | -                         | -                         | 217                                    |      |
| 2   | 2             | 54.8             | 15                | 1727                      | -                         | 982                                    |      |
| 3   | 3             | 91.1             | 15                | 1120                      | 1826                      | 941                                    |      |
| 4   | 2             | 76.2             | 7                 | 1638                      | -                         | 477                                    |      |
| 5   | 1             | 88.9             | 13                | -                         | -                         | 259                                    |      |
| 6   | 1             | 83               | 9                 | -                         | -                         | 892                                    |      |
| 7   | 1             | 83.9             | 12                | -                         | -                         | 320                                    |      |
| 8   | 2             | 55.9             | 15                | 1613                      | -                         | 445                                    |      |
| 9   | 1             | 96.1             | 13                | -                         | -                         | 779                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5301 |
| 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             | 82               | 6                 | 1246                      | -                         | 1017                                   |      |
| 2   | 1             | 93.2             | 13                | -                         | -                         | 760                                    |      |
| 3   | 2             | 61.3             | 13                | 1175                      | -                         | 327                                    |      |
| 4   | 1             | 52.8             | 8                 | -                         | -                         | 824                                    |      |
| 5   | 3             | 70.6             | 19                | 929                       | 1076                      | 115                                    |      |
| 6   | 1             | 80.3             | 17                | -                         | -                         | 325                                    |      |
| 7   | 1             | 83.2             | 15                | -                         | -                         | 679                                    |      |
| 8   | 2             | 94               | 9                 | 1805                      | -                         | 888                                    |      |
| 9   | 2             | 67               | 8                 | 1486                      | -                         | 849                                    |      |
| 10  | 1             | 56.4             | 20                | -                         | -                         | 813                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5304 |
| 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             | 90.5             | 8                 | 1149                      | 1612                      | 35                                     |      |
| 2   | 3             | 54.5             | 8                 | 1094                      | 1525                      | 1014                                   |      |
| 3   | 1             | 57.1             | 18                | -                         | -                         | 827                                    |      |
| 4   | 2             | 98.6             | 20                | 1292                      | -                         | 83                                     |      |
| 5   | 2             | 62.9             | 12                | 1433                      | -                         | 676                                    |      |
| 6   | 1             | 71.1             | 15                | -                         | -                         | 708                                    |      |
| 7   | 1             | 96.7             | 5                 | -                         | -                         | 711                                    |      |
| 8   | 1             | 64.3             | 5                 | -                         | -                         | 484                                    |      |
| 9   | 3             | 61.2             | 8                 | 1075                      | 1524                      | 444                                    |      |
| 10  | 2             | 79.2             | 13                | 1877                      | -                         | 797                                    |      |
| 11  | 2             | 79.3             | 20                | 1313                      | -                         | 288                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5306 |
| 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             | 89.5             | 13                | -                         | -                         | 20                                     |      |
| 2   | 3             | 71.8             | 11                | 1446                      | 1549                      | 117                                    |      |
| 3   | 3             | 53.7             | 15                | 1100                      | 1517                      | 485                                    |      |
| 4   | 2             | 99.3             | 11                | 1571                      | -                         | 334                                    |      |
| 5   | 3             | 56.8             | 6                 | 1594                      | 1280                      | 468                                    |      |
| 6   | 1             | 97.4             | 11                | -                         | -                         | 213                                    |      |
| 7   | 2             | 67.6             | 13                | 1831                      | -                         | 14                                     |      |
| 8   | 3             | 77.1             | 8                 | 1683                      | 1337                      | 267                                    |      |
| 9   | 1             | 98.5             | 17                | -                         | -                         | 544                                    |      |
| 10  | 3             | 58.3             | 13                | 1924                      | 1829                      | 159                                    |      |
| 11  | 1             | 98.4             | 14                | -                         | -                         | 380                                    |      |
| 12  | 1             | 79.3             | 11                | -                         | -                         | 257                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5306 |
| 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             | 53.8             | 14                | 1631                      | -                         | 768                                    |      |
| 2   | 1             | 90               | 17                | -                         | -                         | 530                                    |      |
| 3   | 3             | 87.2             | 18                | 1115                      | 1297                      | 157                                    |      |
| 4   | 2             | 82               | 11                | 1728                      | -                         | 892                                    |      |
| 5   | 3             | 69.8             | 7                 | 1641                      | 1779                      | 196                                    |      |
| 6   | 2             | 63.1             | 20                | 1836                      | -                         | 331                                    |      |
| 7   | 1             | 59.8             | 6                 | -                         | -                         | 495                                    |      |
| 8   | 3             | 78.5             | 19                | 941                       | 1921                      | 546                                    |      |
| 9   | 1             | 85.7             | 6                 | -                         | -                         | 219                                    |      |
| 10  | 3             | 67.7             | 9                 | 1834                      | 1450                      | 534                                    |      |
| 11  | 2             | 84.5             | 15                | 1376                      | -                         | 282                                    |      |
| 12  | 2             | 99.3             | 13                | 1570                      | -                         | 486                                    |      |
| 13  | 2             | 80.2             | 8                 | 1088                      | -                         | 67                                     |      |
| 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>                 |               |                  |                   |                           |                           |  | 5304 |
| 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             | 80.8             | 10                | 1061                      | 1124                      | 389                                    |      |
| 2   | 2             | 81               | 9                 | 1479                      | -                         | 234                                    |      |
| 3   | 2             | 87.6             | 17                | 1247                      | -                         | 577                                    |      |
| 4   | 2             | 94.7             | 18                | 1041                      | -                         | 572                                    |      |
| 5   | 2             | 78               | 18                | 1267                      | -                         | 313                                    |      |
| 6   | 1             | 95.5             | 14                | -                         | -                         | 52                                     |      |
| 7   | 2             | 97.6             | 15                | 1215                      | -                         | 57                                     |      |
| 8   | 3             | 88               | 9                 | 1349                      | 1598                      | 171                                    |      |
| 9   | 2             | 69.7             | 17                | 1711                      | -                         | 769                                    |      |
| 10  | 2             | 96.5             | 17                | 1431                      | -                         | 168                                    |      |
| 11  | 2             | 96.9             | 6                 | 1871                      | -                         | 124                                    |      |
| 12  | 3             | 66.4             | 10                | 1824                      | 1468                      | 766                                    |      |
| 13  | 1             | 78.8             | 10                | -                         | -                         | 537                                    |      |
| 14  | 3             | 87.6             | 6                 | 1080                      | 1159                      | 714                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5302 |
| 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             | 71.8             | 14                | 1432                      | -                         | 573                                    |      |
| 2   | 2             | 65.9             | 19                | 1762                      | -                         | 314                                    |      |
| 3   | 2             | 74.7             | 6                 | 1754                      | -                         | 377                                    |      |
| 4   | 3             | 81.7             | 5                 | 1133                      | 974                       | 216                                    |      |
| 5   | 3             | 57.8             | 14                | 1176                      | 1712                      | 129                                    |      |
| 6   | 1             | 80.6             | 6                 | -                         | -                         | 341                                    |      |
| 7   | 3             | 99.3             | 17                | 1268                      | 1876                      | 165                                    |      |
| 8   | 1             | 79.8             | 12                | -                         | -                         | 618                                    |      |
| 9   | 3             | 83               | 11                | 990                       | 1738                      | 589                                    |      |
| 10  | 3             | 71.5             | 11                | 1473                      | 1255                      | 6                                      |      |
| 11  | 1             | 77.4             | 11                | -                         | -                         | 127                                    |      |
| 12  | 2             | 84.8             | 12                | 1390                      | -                         | 515                                    |      |
| 13  | 2             | 64.6             | 12                | 1653                      | -                         | 148                                    |      |
| 14  | 2             | 92.9             | 12                | 1881                      | -                         | 519                                    |      |
| 15  | 1             | 71.3             | 6                 | -                         | -                         | 301                                    |      |
| 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>                        |               |                  |                   |                           |                           |  | 5300 |
| 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             | 55.4             | 9                 | 1318                      | -                         | 383                                    |      |
| 2  | 2             | 80.8             | 18                | 1710                      | -                         | 534                                    |      |
| 3  | 1             | 88.8             | 9                 | -                         | -                         | 495                                    |      |
| 4  | 2             | 78               | 12                | 1818                      | -                         | 92                                     |      |
| 5  | 1             | 78.5             | 12                | -                         | -                         | 108                                    |      |
| 6  | 2             | 55               | 13                | 1219                      | -                         | 123                                    |      |
| 7  | 2             | 75.9             | 20                | 1004                      | -                         | 123                                    |      |
| 8  | 2             | 70.9             | 7                 | 1820                      | -                         | 546                                    |      |
| 9  | 2             | 71.7             | 18                | 1559                      | -                         | 476                                    |      |
| 10   | 2             | 73.9             | 19                | 1232                      | -                         | 235                                    |      |
| 11   | 1             | 59.2             | 20                | -                         | -                         | 424                                    |      |
| 12   | 1             | 55.7             | 9                 | -                         | -                         | 391                                    |      |
| 13   | 3             | 60.9             | 12                | 1144                      | 1370                      | 198                                    |      |
| 14   | 2             | 60.8             | 14                | 990                       | -                         | 16                                     |      |
| 15   | 3             | 60.6             | 19                | 1526                      | 1326                      | 695                                    |      |
| 16   | 2             | 89               | 5                 | 1029                      | -                         | 131                                    |      |
| <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>                        |               |                  |                   |                           |                           |  | 5298 |
| 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             | 14                | 1119                      | -                         | 488                                    |      |
| 2  | 3             | 81.4             | 13                | 1142                      | 961                       | 451                                    |      |
| 3  | 3             | 92.9             | 18                | 991                       | 1147                      | 565                                    |      |
| 4  | 3             | 81.3             | 18                | 1793                      | 1369                      | 285                                    |      |
| 5  | 3             | 76.4             | 20                | 1005                      | 1793                      | 79                                     |      |
| 6  | 1             | 61.6             | 18                | -                         | -                         | 503                                    |      |
| 7  | 1             | 66.6             | 19                | -                         | -                         | 181                                    |      |
| 8  | 1             | 53.7             | 12                | -                         | -                         | 416                                    |      |
| 9  | 2             | 58               | 8                 | 1477                      | -                         | 107                                    |      |
| 10   | 2             | 64               | 18                | 1791                      | -                         | 141                                    |      |
| 11   | 2             | 80.3             | 12                | 1304                      | -                         | 516                                    |      |
| 12   | 3             | 77.3             | 5                 | 1039                      | 1668                      | 372                                    |      |
| 13   | 2             | 97.6             | 11                | 1593                      | -                         | 163                                    |      |
| 14   | 1             | 73               | 6                 | -                         | -                         | 147                                    |      |
| 15   | 3             | 65.1             | 8                 | 1097                      | 1927                      | 102                                    |      |
| 16   | 2             | 59.5             | 13                | 1569                      | -                         | 182                                    |      |
| 17   | 1             | 88.2             | 19                | -                         | -                         | 653                                    |      |
| <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>                        |                      |                         |                          | 5296                             |                                  |   |
| <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                    | 56.1                    | 12                       | 1219                             | -                                | 273   |
| 2  | 1                    | 83.3                    | 7                        | -                                | -                                | 298   |
| 3  | 3                    | 79.6                    | 17                       | 1218                             | 1897                             | 159   |
| 4  | 2                    | 95.8                    | 7                        | 1672                             | -                                | 480   |
| 5  | 2                    | 79.6                    | 8                        | 920                              | -                                | 387   |
| 6  | 2                    | 88.9                    | 11                       | 1779                             | -                                | 5   |
| 7  | 2                    | 81.4                    | 8                        | 1645                             | -                                | 201   |
| 8  | 2                    | 92                      | 6                        | 1454                             | -                                | 80  |
| 9  | 3                    | 96                      | 13                       | 1518                             | 1121                             | 192   |
| 10   | 2                    | 65.6                    | 11                       | 1798                             | -                                | 349   |
| 11   | 2                    | 98.7                    | 5                        | 1360                             | -                                | 416   |
| 12   | 2                    | 52.9                    | 15                       | 1140                             | -                                | 652   |
| 13   | 2                    | 76.5                    | 8                        | 1032                             | -                                | 92  |
| 14   | 3                    | 73.8                    | 18                       | 1719                             | 1383                             | 502   |
| 15   | 3                    | 83.7                    | 10                       | 1270                             | 1216                             | 343   |
| 16   | 2                    | 89.6                    | 10                       | 1141                             | -                                | 108   |
| 17   | 2                    | 67.2                    | 20                       | 1455                             | -                                | 272   |
| 18   | 3                    | 55.7                    | 14                       | 1444                             | 1475                             | 566   |
| <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>                        |                      |                         | 5294                     |                                  |                                  |   |
| <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                    | 70.6                    | 15                       | 1040                             | -                                | 575   |
| 2  | 2                    | 72.9                    | 13                       | 1460                             | -                                | 178   |
| 3  | 3                    | 88.9                    | 5                        | 1250                             | 1629                             | 191   |
| 4  | 3                    | 60.3                    | 20                       | 1757                             | 1822                             | 468   |
| 5  | 3                    | 92.1                    | 19                       | 1845                             | 1198                             | 476   |
| 6  | 1                    | 73                      | 5                        | -                                | -                                | 532   |
| 7  | 1                    | 50.4                    | 15                       | -                                | -                                | 69  |
| 8  | 1                    | 66.4                    | 10                       | -                                | -                                | 333   |
| 9  | 1                    | 79.1                    | 18                       | -                                | -                                | 437   |
| 10   | 1                    | 71.6                    | 20                       | -                                | -                                | 424   |
| 11   | 2                    | 95.6                    | 13                       | 1229                             | -                                | 498   |
| 12   | 1                    | 74.4                    | 9                        | -                                | -                                | 363   |
| 13   | 3                    | 55.6                    | 17                       | 1263                             | 1724                             | 123   |
| 14   | 2                    | 78.3                    | 13                       | 1507                             | -                                | 37  |
| 15   | 3                    | 54.1                    | 13                       | 1325                             | 1249                             | 192   |
| 16   | 2                    | 67.1                    | 18                       | 1584                             | -                                | 311   |
| 17   | 2                    | 65.8                    | 9                        | 1195                             | -                                | 243   |
| 18   | 2                    | 50.1                    | 12                       | 1755                             | -                                | 48  |
| 19   | 2                    | 87.7                    | 18                       | 1359                             | -                                | 180   |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 0   |



| <b>Trial Number</b>                           |               |                  |                   |                           |                           |  | 13   |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>              |               |                  |                   |                           |                           |  | 20   |
| <b>Chirp Center Frequency</b>                 |               |                  |                   |                           |                           |  | 5293 |
| 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             | 79.5             | 7                 | 1808                      | 1550                      | 274                                    |      |
| 2   | 2             | 76.7             | 20                | 1632                      | -                         | 573                                    |      |
| 3   | 3             | 85.9             | 12                | 1305                      | 1496                      | 18                                     |      |
| 4   | 3             | 86.6             | 14                | 968                       | 1172                      | 133                                    |      |
| 5   | 2             | 74.9             | 14                | 1348                      | -                         | 48                                     |      |
| 6   | 3             | 82.2             | 20                | 1692                      | 1310                      | 156                                    |      |
| 7   | 2             | 53.9             | 13                | 1342                      | -                         | 45                                     |      |
| 8   | 3             | 62.7             | 15                | 1839                      | 1651                      | 76                                     |      |
| 9   | 2             | 86.2             | 6                 | 1165                      | -                         | 91                                     |      |
| 10  | 1             | 63.1             | 11                | -                         | -                         | 391                                    |      |
| 11  | 2             | 82.4             | 6                 | 1416                      | -                         | 107                                    |      |
| 12  | 1             | 95.8             | 18                | -                         | -                         | 248                                    |      |
| 13  | 2             | 75.7             | 9                 | 993                       | -                         | 482                                    |      |
| 14  | 3             | 70.1             | 18                | 1563                      | 1020                      | 354                                    |      |
| 15  | 3             | 85.8             | 13                | 1420                      | 1084                      | 446                                    |      |
| 16  | 1             | 63.2             | 7                 | -                         | -                         | 265                                    |      |
| 17  | 1             | 75.1             | 11                | -                         | --                        | 147                                    |      |
| 18  | 2             | 69.5             | 5                 | 1802                      | -                         | 256                                    |      |
| 19  | 1             | 51.8             | 19                | -                         | -                         | 422                                    |      |
| 20  | 2             | 62.3             | 5                 | 1449                      | -                         | 304                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5294 |
| 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             | 74.9             | 5                 | 1314                      | 1466                      | 1289                                   |      |
| 2   | 2             | 83.9             | 19                | 1442                      | -                         | 1436                                   |      |
| 3   | 2             | 55.8             | 6                 | 1147                      | -                         | 240                                    |      |
| 4   | 2             | 59.4             | 6                 | 1490                      | -                         | 1455                                   |      |
| 5   | 2             | 78.2             | 15                | 1665                      | -                         | 1312                                   |      |
| 6   | 2             | 57.3             | 15                | 1357                      | -                         | 264                                    |      |
| 7   | 2             | 76.2             | 11                | 1651                      | -                         | 255                                    |      |
| 8   | 3             | 59               | 7                 | 1460                      | 1109                      | 1410                                   |      |
| 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>                 |               |                  |                   |                           |                           |  | 5296 |
| 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             | 77.7             | 19                | 1046                      | 1568                      | 17                                     |      |
| 2   | 2             | 98.2             | 20                | 1628                      | -                         | 877                                    |      |
| 3   | 2             | 95.3             | 8                 | 1540                      | -                         | 1066                                   |      |
| 4   | 2             | 78.8             | 15                | 1341                      | -                         | 822                                    |      |
| 5   | 2             | 52.8             | 20                | 988                       | -                         | 1020                                   |      |
| 6   | 2             | 65.2             | 9                 | 1480                      | -                         | 602                                    |      |
| 7   | 2             | 99.5             | 10                | 1867                      | -                         | 884                                    |      |
| 8   | 2             | 79.5             | 13                | 1148                      | -                         | 342                                    |      |
| 9   | 3             | 50.6             | 13                | 1030                      | 1525                      | 1321                                   |      |
| 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>                 |               |                  |                   |                           |                           |  | 5299 |
| 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             | 97.5             | 11                | 1357                      | -                         | 764                                    |      |
| 2   | 2             | 91.8             | 13                | 1896                      | -                         | 298                                    |      |
| 3   | 1             | 78.5             | 5                 | -                         | -                         | 1117                                   |      |
| 4   | 1             | 60.1             | 11                | -                         | -                         | 1069                                   |      |
| 5   | 2             | 96.2             | 10                | 975                       | -                         | 1157                                   |      |
| 6   | 2             | 56.6             | 18                | 1626                      | -                         | 701                                    |      |
| 7   | 1             | 77.1             | 20                | -                         | -                         | 323                                    |      |
| 8   | 2             | 96.3             | 8                 | 1682                      | -                         | 307                                    |      |
| 9   | 2             | 52.2             | 13                | 1017                      | -                         | 217                                    |      |
| 10  | 1             | 92.8             | 15                | -                         | -                         | 316                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5302 |
| 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             | 57.3             | 8                 | 1220                      | -                         | 792                                    |      |
| 2   | 3             | 73.1             | 5                 | 1717                      | 1679                      | 845                                    |      |
| 3   | 2             | 54.1             | 14                | 967                       | -                         | 112                                    |      |
| 4   | 2             | 98.8             | 19                | 1137                      | -                         | 715                                    |      |
| 5   | 3             | 85.5             | 8                 | 1068                      | 960                       | 301                                    |      |
| 6   | 2             | 78.5             | 7                 | 1387                      | -                         | 827                                    |      |
| 7   | 2             | 77.9             | 12                | 1869                      | -                         | 506                                    |      |
| 8   | 1             | 81.9             | 10                | -                         | -                         | 549                                    |      |
| 9   | 1             | 50.4             | 9                 | -                         | -                         | 464                                    |      |
| 10  | 1             | 75.2             | 8                 | -                         | -                         | 790                                    |      |
| 11  | 2             | 92.7             | 7                 | 1770                      | -                         | 967                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5305 |
| 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             | 79.1             | 6                 | 1042                      | -                         | 793                                    |      |
| 2   | 3             | 55.7             | 9                 | 1327                      | 1744                      | 159                                    |      |
| 3   | 1             | 95               | 20                | -                         | -                         | 734                                    |      |
| 4   | 1             | 88.4             | 5                 | -                         | -                         | 523                                    |      |
| 5   | 1             | 92.3             | 15                | -                         | -                         | 546                                    |      |
| 6   | 1             | 93.6             | 6                 | -                         | -                         | 208                                    |      |
| 7   | 2             | 95.1             | 12                | 1044                      | -                         | 894                                    |      |
| 8   | 1             | 59.5             | 17                | -                         | -                         | 666                                    |      |
| 9   | 2             | 98.7             | 17                | 1422                      | -                         | 640                                    |      |
| 10  | 2             | 65.1             | 5                 | 1104                      | -                         | 320                                    |      |
| 11  | 1             | 60.2             | 5                 | -                         | -                         | 60                                     |      |
| 12  | 1             | 88.7             | 8                 | -                         | -                         | 823                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5307 |
| 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             | 53.9             | 10                | -                         | -                         | 226                                    |      |
| 2   | 2             | 82.6             | 13                | 992                       | -                         | 854                                    |      |
| 3   | 1             | 87.7             | 8                 | -                         | -                         | 303                                    |      |
| 4   | 3             | 69               | 12                | 1696                      | 1606                      | 528                                    |      |
| 5   | 1             | 68.6             | 12                | -                         | -                         | 220                                    |      |
| 6   | 3             | 76.5             | 13                | 1333                      | 1468                      | 389                                    |      |
| 7   | 2             | 95.8             | 17                | 1380                      | -                         | 57                                     |      |
| 8   | 2             | 55.6             | 19                | 1147                      | -                         | 334                                    |      |
| 9   | 2             | 78.6             | 14                | 1268                      | -                         | 128                                    |      |
| 10  | 2             | 65.4             | 17                | 1231                      | -                         | 913                                    |      |
| 11  | 2             | 76.6             | 18                | 1883                      | -                         | 518                                    |      |
| 12  | 1             | 93.2             | 6                 | -                         | -                         | 596                                    |      |
| 13  | 2             | 50.2             | 13                | 1836                      | -                         | 61                                     |      |
| 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>                 |               |                  |                   |                           |                           |  | 5305 |
| 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             | 60.9             | 13                | -                         | -                         | 142                                    |      |
| 2   | 2             | 81.7             | 15                | 1831                      | -                         | 522                                    |      |
| 3   | 2             | 78.5             | 5                 | 1396                      | -                         | 790                                    |      |
| 4   | 2             | 98.2             | 6                 | 1652                      | -                         | 3                                      |      |
| 5   | 1             | 64.1             | 12                | -                         | -                         | 414                                    |      |
| 6   | 3             | 53               | 18                | 1862                      | 1902                      | 157                                    |      |
| 7   | 2             | 62.3             | 15                | 1490                      | -                         | 248                                    |      |
| 8   | 2             | 87               | 11                | 1411                      | -                         | 576                                    |      |
| 9   | 2             | 78.4             | 8                 | 1090                      | -                         | 737                                    |      |
| 10  | 2             | 87.2             | 7                 | 967                       | -                         | 343                                    |      |
| 11  | 3             | 71               | 13                | 1662                      | 1841                      | 105                                    |      |
| 12  | 2             | 77.2             | 5                 | 1557                      | -                         | 601                                    |      |
| 13  | 1             | 94.4             | 15                | -                         | -                         | 108                                    |      |
| 14  | 1             | 90.6             | 13                | -                         | -                         | 506                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5303 |
| 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             | 76.5             | 8                 | 1870                      | 1326                      | 385                                    |      |
| 2   | 2             | 95.3             | 13                | 1162                      | -                         | 73                                     |      |
| 3   | 3             | 58.9             | 9                 | 1586                      | 1909                      | 742                                    |      |
| 4   | 2             | 73.1             | 13                | 1460                      | -                         | 330                                    |      |
| 5   | 2             | 73.1             | 12                | 1488                      | -                         | 25                                     |      |
| 6   | 2             | 75.1             | 5                 | 1331                      | -                         | 418                                    |      |
| 7   | 3             | 98.5             | 11                | 936                       | 1532                      | 214                                    |      |
| 8   | 3             | 72.5             | 13                | 1110                      | 1903                      | 387                                    |      |
| 9   | 3             | 67.4             | 12                | 1567                      | 1513                      | 80                                     |      |
| 10  | 2             | 76.1             | 12                | 1005                      | -                         | 277                                    |      |
| 11  | 2             | 94.3             | 17                | 1413                      | -                         | 314                                    |      |
| 12  | 2             | 72.8             | 12                | 1778                      | -                         | 66                                     |      |
| 13  | 2             | 90.9             | 14                | 1793                      | -                         | 147                                    |      |
| 14  | 3             | 94.8             | 11                | 1012                      | 1742                      | 441                                    |      |
| 15  | 3             | 95               | 12                | 912                       | 1641                      | 609                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5301 |
| Burst   | No. of Pulses | Pulse Width (us) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (us) | Pulse 2-to-3 Spacing (us) | Starting Location Within Interval (ms) |      |
| 1   | 1             | 96.7             | 9                 | -                         | -                         | 308                                    |      |
| 2   | 2             | 78.3             | 13                | 1045                      | -                         | 27                                     |      |
| 3   | 1             | 56.5             | 12                | -                         | -                         | 74                                     |      |
| 4   | 3             | 88.5             | 14                | 1119                      | 1020                      | 629                                    |      |
| 5   | 2             | 62.4             | 9                 | 1436                      | -                         | 548                                    |      |
| 6   | 2             | 78.2             | 5                 | 1147                      | -                         | 341                                    |      |
| 7   | 3             | 76.8             | 14                | 1069                      | 1575                      | 360                                    |      |
| 8   | 2             | 91.6             | 18                | 978                       | -                         | 602                                    |      |
| 9   | 2             | 93.7             | 5                 | 1130                      | -                         | 623                                    |      |
| 10  | 2             | 97.4             | 8                 | 1100                      | -                         | 256                                    |      |
| 11  | 3             | 90.1             | 6                 | 1629                      | 1375                      | 108                                    |      |
| 12  | 2             | 79.9             | 18                | 1809                      | -                         | 183                                    |      |
| 13  | 2             | 83               | 10                | 1370                      | -                         | 477                                    |      |
| 14  | 2             | 89.1             | 13                | 1239                      | -                         | 484                                    |      |
| 15  | 2             | 58.3             | 8                 | 1321                      | -                         | 276                                    |      |
| 16  | 1             | 85.2             | 13                | -                         | -                         | 22                                     |      |
| 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>                 |               |                  | 5297              |                           |                           |  |
| 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             | 60               | 10                | 1097                      | 1748                      | 56                                     |
| 2   | 3             | 66.3             | 13                | 1391                      | 1430                      | 421                                    |
| 3   | 2             | 88.5             | 15                | 1040                      | -                         | 583                                    |
| 4   | 2             | 72.1             | 8                 | 1526                      | -                         | 161                                    |
| 5   | 1             | 72.3             | 8                 | -                         | -                         | 450                                    |
| 6   | 2             | 67.3             | 7                 | 1022                      | -                         | 48                                     |
| 7   | 2             | 56.1             | 12                | 1325                      | -                         | 661                                    |
| 8   | 1             | 83.5             | 11                | -                         | -                         | 695                                    |
| 9   | 3             | 99.4             | 13                | 1490                      | 938                       | 405                                    |
| 10  | 1             | 54.2             | 12                | -                         | -                         | 126                                    |
| 11  | 3             | 92.7             | 17                | 1251                      | 1631                      | 365                                    |
| 12  | 3             | 95.1             | 17                | 1741                      | 1162                      | 57                                     |
| 13  | 2             | 84               | 9                 | 1597                      | -                         | 167                                    |
| 14  | 1             | 68.5             | 18                | -                         | -                         | 512                                    |
| 15  | 1             | 76.5             | 20                | -                         | -                         | 185                                    |
| 16  | 3             | 86.6             | 11                | 1774                      | 1875                      | 457                                    |
| 17  | 2             | 62.2             | 9                 | 1563                      | -                         | 492                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |

| <b>Trial Number</b>                           |               |                  | 24                |                           |                           |  |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|
| <b>Number of Bursts in Trial</b>              |               |                  | 18                |                           |                           |  |
| <b>Chirp Center Frequency</b>                 |               |                  | 5295              |                           |                           |  |
| 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             | 86.6             | 19                | -                         | -                         | 621                                    |
| 2   | 2             | 95.3             | 17                | 926                       | -                         | 128                                    |
| 3   | 1             | 76.2             | 12                | -                         | -                         | 251                                    |
| 4   | 3             | 71.4             | 19                | 1287                      | 1404                      | 269                                    |
| 5   | 3             | 51.7             | 12                | 1564                      | 1339                      | 633                                    |
| 6   | 2             | 77               | 5                 | 1899                      | -                         | 615                                    |
| 7   | 1             | 87.5             | 12                | -                         | -                         | 375                                    |
| 8   | 3             | 59               | 17                | 1327                      | 1615                      | 610                                    |
| 9   | 2             | 78.3             | 15                | 1551                      | -                         | 548                                    |
| 10  | 2             | 89.7             | 5                 | 1718                      | -                         | 456                                    |
| 11  | 2             | 92.1             | 7                 | 1403                      | -                         | 12                                     |
| 12  | 2             | 97.3             | 14                | 1338                      | -                         | 596                                    |
| 13  | 3             | 80.3             | 20                | 1354                      | 1563                      | 484                                    |
| 14  | 1             | 98.2             | 8                 | -                         | -                         | 428                                    |
| 15  | 3             | 94.4             | 13                | 1795                      | 1829                      | 512                                    |
| 16  | 2             | 90.4             | 13                | 1105                      | -                         | 342                                    |
| 17  | 2             | 73.6             | 19                | 1787                      | -                         | 292                                    |
| 18  | 1             | 82.9             | 7                 | -                         | -                         | 618                                    |
| Detection Check (1=Detection; 0=No Detection) |               |                  |                   |                           |                           | 1                                      |



| <b>Trial Number</b>                                  |                      |                         | 25                       |                                  |                                  |   |
|--|----------------------|-------------------------|--------------------------|----------------------------------|----------------------------------|---|
| <b>Number of Bursts in Trial</b>                     |                      |                         | 19                       |                                  |                                  |   |
| <b>Chirp Center Frequency</b>                        |                      |                         | 5293                     |                                  |                                  |   |
| <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                    | 90                      | 18                       | -                                | -                                | 173   |
| 2  | 1                    | 65.3                    | 19                       | -                                | -                                | 245   |
| 3  | 2                    | 82.6                    | 10                       | 1756                             | -                                | 127   |
| 4  | 2                    | 93.9                    | 18                       | 1557                             | -                                | 287   |
| 5  | 2                    | 50.5                    | 13                       | 1479                             | -                                | 282   |
| 6  | 1                    | 68                      | 7                        | -                                | -                                | 176   |
| 7  | 3                    | 88.4                    | 11                       | 1244                             | 1076                             | 568   |
| 8  | 3                    | 66.8                    | 11                       | 1288                             | 1909                             | 448   |
| 9  | 2                    | 88                      | 12                       | 1450                             | -                                | 527   |
| 10   | 3                    | 51.1                    | 6                        | 1797                             | 1935                             | 195   |
| 11   | 2                    | 93.8                    | 13                       | 1073                             | -                                | 184   |
| 12   | 1                    | 83.5                    | 10                       | -                                | -                                | 506   |
| 13   | 2                    | 96.9                    | 12                       | 1047                             | -                                | 267   |
| 14   | 3                    | 87.2                    | 18                       | 1521                             | 1450                             | 243   |
| 15   | 2                    | 60.1                    | 8                        | 1545                             | -                                | 291   |
| 16   | 3                    | 98                      | 10                       | 1842                             | 1402                             | 554   |
| 17   | 3                    | 57                      | 19                       | 1665                             | 1732                             | 143   |
| 18   | 1                    | 74.3                    | 14                       | -                                | -                                | 31  |
| 19   | 2                    | 57.8                    | 10                       | 1576                             | -                                | 609   |
| <b>Detection Check (1=Detection; 0=No Detection)</b> |                      |                         |                          |                                  |                                  | 0   |





| <b>Trial Number</b>                           |               |                  |                   |                           |                           |  | 26   |
|---|---------------|------------------|-------------------|---------------------------|---------------------------|--|------|
| <b>Number of Bursts in Trial</b>              |               |                  |                   |                           |                           |  | 20   |
| <b>Chirp Center Frequency</b>                 |               |                  |                   |                           |                           |  | 5299 |
| 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             | 92.8             | 9                 | 1222                      | -                         | 531                                    |      |
| 2   | 2             | 52.4             | 8                 | 1547                      | -                         | 168                                    |      |
| 3   | 3             | 56.8             | 7                 | 1158                      | 1184                      | 193                                    |      |
| 4   | 1             | 91.2             | 7                 | -                         | -                         | 565                                    |      |
| 5   | 3             | 61.2             | 10                | 1558                      | 1664                      | 387                                    |      |
| 6   | 3             | 62               | 7                 | 1518                      | 1656                      | 391                                    |      |
| 7   | 2             | 69               | 5                 | 1531                      | -                         | 327                                    |      |
| 8   | 2             | 67.3             | 18                | 1064                      | -                         | 25                                     |      |
| 9   | 1             | 94.1             | 5                 | -                         | -                         | 78                                     |      |
| 10  | 2             | 76               | 17                | 1190                      | -                         | 222                                    |      |
| 11  | 2             | 81.9             | 12                | 1815                      | -                         | 96                                     |      |
| 12  | 2             | 57.9             | 8                 | 1594                      | -                         | 277                                    |      |
| 13  | 3             | 68.3             | 19                | 1427                      | 1540                      | 41                                     |      |
| 14  | 2             | 53.3             | 7                 | 1713                      | -                         | 48                                     |      |
| 15  | 2             | 85.3             | 15                | 1136                      | -                         | 48                                     |      |
| 16  | 1             | 65.3             | 20                | -                         | -                         | 57                                     |      |
| 17  | 3             | 79.8             | 20                | 923                       | 1259                      | 48                                     |      |
| 18  | 2             | 56.9             | 20                | 1357                      | -                         | 483                                    |      |
| 19  | 2             | 93               | 9                 | 1686                      | -                         | 73                                     |      |
| 20  | 2             | 82.8             | 10                | 944                       | -                         | 352                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5295 |
| 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             | 50.9             | 11                | 1106                      | 1077                      | 1293                                   |      |
| 2   | 2             | 77.8             | 18                | 1836                      | -                         | 1235                                   |      |
| 3   | 3             | 60.7             | 5                 | 1069                      | 1635                      | 1092                                   |      |
| 4   | 2             | 77.2             | 13                | 1916                      | -                         | 1343                                   |      |
| 5   | 2             | 91.6             | 13                | 1465                      | -                         | 1466                                   |      |
| 6   | 2             | 56.8             | 17                | 1783                      | -                         | 376                                    |      |
| 7   | 1             | 59.5             | 20                | -                         | -                         | 131                                    |      |
| 8   | 1             | 66.5             | 12                | -                         | -                         | 1024                                   |      |
| 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>                 |               |                  |                   |                           |                           |  | 5298 |
| 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               | 9                 | 1092                      | -                         | 965                                    |      |
| 2   | 2             | 89.2             | 6                 | 1550                      | -                         | 1226                                   |      |
| 3   | 1             | 81.2             | 12                | -                         | -                         | 277                                    |      |
| 4   | 2             | 80.6             | 15                | 1616                      | -                         | 458                                    |      |
| 5   | 2             | 62.8             | 10                | 1812                      | -                         | 748                                    |      |
| 6   | 1             | 71               | 8                 | -                         | -                         | 434                                    |      |
| 7   | 2             | 69.3             | 6                 | 1027                      | -                         | 1111                                   |      |
| 8   | 2             | 77.2             | 13                | 1076                      | -                         | 638                                    |      |
| 9   | 2             | 65.4             | 5                 | 1582                      | -                         | 278                                    |      |
| 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>                 |               |                  |                   |                           |                           |  | 5300 |
| 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             | 51.5             | 19                | -                         | -                         | 151                                    |      |
| 2   | 1             | 82.3             | 13                | -                         | -                         | 1071                                   |      |
| 3   | 3             | 78.3             | 8                 | 1115                      | 1740                      | 646                                    |      |
| 4   | 2             | 99               | 14                | 1101                      | -                         | 709                                    |      |
| 5   | 3             | 98.8             | 7                 | 1819                      | 945                       | 556                                    |      |
| 6   | 2             | 80.9             | 19                | 922                       | -                         | 567                                    |      |
| 7   | 2             | 64               | 12                | 953                       | -                         | 581                                    |      |
| 8   | 1             | 79               | 20                | -                         | -                         | 798                                    |      |
| 9   | 1             | 68               | 8                 | -                         | -                         | 112                                    |      |
| 10  | 2             | 50.4             | 13                | 1587                      | -                         | 26                                     |      |
| 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>                        |                      | 5303                    |                          |                                  |                                  |   |
| <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                    | 57.8                    | 5                        | 1324                             | 1716                             | 82  |
| 2  | 2                    | 70.1                    | 20                       | 1733                             | -                                | 587   |
| 3  | 2                    | 95.2                    | 13                       | 1188                             | -                                | 789   |
| 4  | 3                    | 84.6                    | 20                       | 1042                             | 1259                             | 1021  |
| 5  | 3                    | 96.5                    | 7                        | 1329                             | 1596                             | 16  |
| 6  | 2                    | 84.3                    | 15                       | 1606                             | -                                | 708   |
| 7  | 3                    | 53.5                    | 19                       | 1783                             | 1458                             | 738   |
| 8  | 3                    | 74.9                    | 5                        | 1599                             | 1891                             | 466   |
| 9  | 3                    | 53.8                    | 7                        | 1494                             | 1467                             | 252   |
| 10   | 2                    | 60.5                    | 14                       | 1319                             | -                                | 464   |
| 11   | 1                    | 73.3                    | 10                       | -                                | -                                | 845   |
| <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                        | 5300             | 9            | 1                | 333      | 1                             |
| 2                        | 5300             | 9            | 1                | 333      | 1                             |
| 3                        | 5300             | 9            | 1                | 333      | 1                             |
| 4                        | 5300             | 9            | 1                | 333      | 1                             |
| 5                        | 5300             | 9            | 1                | 333      | 1                             |
| 6                        | 5300             | 9            | 1                | 333      | 1                             |
| 7                        | 5300             | 9            | 1                | 333      | 1                             |
| 8                        | 5300             | 9            | 1                | 333      | 1                             |
| 9                        | 5300             | 9            | 1                | 333      | 1                             |
| 10                       | 5300             | 9            | 1                | 333      | 1                             |
| 11                       | 5300             | 9            | 1                | 333      | 1                             |
| 12                       | 5300             | 9            | 1                | 333      | 1                             |
| 13                       | 5300             | 9            | 1                | 333      | 1                             |
| 14                       | 5300             | 9            | 1                | 333      | 1                             |
| 15                       | 5300             | 9            | 1                | 333      | 1                             |
| 16                       | 5300             | 9            | 1                | 333      | 1                             |
| 17                       | 5300             | 9            | 1                | 333      | 1                             |
| 18                       | 5300             | 9            | 1                | 333      | 1                             |
| 19                       | 5300             | 9            | 1                | 333      | 0                             |
| 20                       | 5300             | 9            | 1                | 333      | 1                             |
| 21                       | 5300             | 9            | 1                | 333      | 1                             |
| 22                       | 5300             | 9            | 1                | 333      | 1                             |
| 23                       | 5300             | 9            | 1                | 333      | 1                             |
| 24                       | 5300             | 9            | 1                | 333      | 1                             |
| 25                       | 5300             | 9            | 1                | 333      | 1                             |
| 26                       | 5300             | 9            | 1                | 333      | 1                             |
| 27                       | 5300             | 9            | 1                | 333      | 0                             |
| 28                       | 5300             | 9            | 1                | 333      | 1                             |
| 29                       | 5300             | 9            | 1                | 333      | 1                             |
| 30                       | 5300             | 9            | 1                | 333      | 1                             |
| Detection Percentage (%) |                  |              |                  |          | 93.333                        |
| Limit                    |                  |              |                  |          | 70%                           |
| <b>Test Result</b>       |                  |              |                  |          | <b>Complied</b>               |



## 4 Test Equipment and Calibration Data

| Instrument              | Manufacturer | Model No. | Serial No.    | Characteristics | Calibration Date | Remark  |
|-------------------------|--------------|-----------|---------------|-----------------|------------------|---------|
| Spectrum Analyzer       | R&S          | FSV40     | 101026        | 9kHz~40GHz      | Sep. 15, 2015    | DF01-CB |
| Vector Signal generator | R&S          | SMU200A   | 102782        | 25MHz-6GHz      | Nov. 06, 2015    | DF01-CB |
| RF Power Divider        | ANAREN       | 2 Way     | DFS-01-DV-02  | 1GHz ~ 6GHz     | Nov. 07, 2015    | DF01-CB |
| RF Power Divider        | MTJ          | 2 Way     | DFS-01-DV-03  | 1GHz ~ 6GHz     | Nov. 07, 2015    | DF01-CB |
| RF Power Divider        | ANAREN       | 4 Way     | DFS-01-DV-01  | 1GHz ~ 6GHz     | Nov. 07, 2015    | DF01-CB |
| RF Cable-high           | Woken        | RG402     | High Cable-53 | 1 GHz ~18 GHz   | Nov. 02, 2015    | DF01-CB |
| RF Cable-high           | Woken        | RG402     | High Cable-54 | 1 GHz ~18 GHz   | Nov. 02, 2015    | DF01-CB |
| RF Cable-high           | Woken        | RG402     | High Cable-56 | 1 GHz ~18 GHz   | Nov. 02, 2015    | DF01-CB |
| RF Cable-high           | Woken        | RG402     | High Cable-60 | 1 GHz ~18 GHz   | Nov. 02, 2015    | 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>            |
|--------------------|--------------------|--------------------------|
| Conducted Emission | 1.7 dB             | Confidence levels of 95% |

## Appendix A. Test Photos

# 1. Photographs of Dynamic Frequency Selection Test Configuration

FRONT VIEW



REAR VIEW

