



# FCC DFS TEST REPORT

FCC ID : S9GR850  
Equipment : Wireless Access Point  
Brand Name : RUCKUS  
Model Name : R850  
Applicant : Ruckus Wireless Inc.  
350 W. Java Dr., Sunnyvale CA 94089 USA  
Manufacturer : Ruckus Wireless Inc.  
350 W. Java Dr., Sunnyvale CA 94089 USA  
Standard : FCC Part 15 Subpart E

The product was received on Mar. 20, 2020 and testing was started from Mar. 30, 2020 and completed on Apr. 08, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in FCC Part 15 Subpart E and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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

*Louis Wu*

Approved by: Louis Wu

**SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory**

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

## **Table of Contents**

|                                                                                                                  |           |
|------------------------------------------------------------------------------------------------------------------|-----------|
| <b>History of this test report.....</b>                                                                          | <b>3</b>  |
| <b>Summary of Test Result.....</b>                                                                               | <b>4</b>  |
| <b>1 General Description .....</b>                                                                               | <b>5</b>  |
| 1.1 Feature of Equipment Under Test .....                                                                        | 5         |
| 1.2 Modification of EUT .....                                                                                    | 5         |
| 1.3 Testing Site .....                                                                                           | 5         |
| 1.4 Applied Standards .....                                                                                      | 5         |
| 1.5 Support Unit used in test configuration and system .....                                                     | 5         |
| <b>2 Requirements and Parameters for DFS Test.....</b>                                                           | <b>6</b>  |
| 2.1 Summary of Dynamic Frequency Selection Test .....                                                            | 6         |
| 2.2 Applicability of DFS Requirements .....                                                                      | 6         |
| 2.3 DFS Detection Thresholds.....                                                                                | 8         |
| 2.4 DFS Response requirement values.....                                                                         | 9         |
| 2.5 Short Pulse Radar Test Waveforms .....                                                                       | 10        |
| 2.6 Long Pulse Radar Test Waveform .....                                                                         | 12        |
| 2.7 Frequency Hopping Radar Test Waveform .....                                                                  | 14        |
| <b>3 Calibration Setup and DFS Test Results .....</b>                                                            | <b>15</b> |
| 3.1 Calibration of Radar Waveform .....                                                                          | 15        |
| 3.2 U-NII Detection Bandwidth .....                                                                              | 19        |
| 3.3 Channel Availability Check .....                                                                             | 24        |
| 3.4 In-Service Monitoring: Channel Move Time, Channel Closing Transmission Time and<br>Non-Occupancy Period..... | 29        |
| 3.5 Statistical Performance Check .....                                                                          | 35        |
| <b>4 List of Measuring Equipment.....</b>                                                                        | <b>46</b> |
| <b>Appendix A. Radar parameters</b>                                                                              |           |
| <b>Appendix B. Setup Photographs</b>                                                                             |           |



## History of this test report

| Report No. | Version | Description             | Issue Date    |
|------------|---------|-------------------------|---------------|
| FZ020114   | 01      | Initial issue of report | Apr. 15, 2020 |
|            |         |                         |               |
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|            |         |                         |               |

## Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items                        | Result (PASS/FAIL) | Remark |
|---------------|-----------------|-----------------------------------|--------------------|--------|
| 3.2           | 7.8.1           | U-NII Detection Bandwidth         | Pass               | -      |
| 3.3           | 7.8.2           | Channel Availability Check Time   | Pass               | -      |
| 3.4           | 7.8.3           | Channel Move Time                 | Pass               | -      |
|               |                 | Channel Closing Transmission Time | Pass               | -      |
|               |                 | Non-Occupancy Period Test         | Pass               | -      |
| 3.5           | 7.8.4           | Statistical Performance Check     | Pass               | -      |

**Declaration of Conformity:**

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

**Comments and Explanations:**

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

**Reviewed by: Wui Chang**

**Report Producer: Yimin Ho**

# 1 General Description

## 1.1 Feature of Equipment Under Test

Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, and Zigbee.

| Product Specification subjective to this standard |                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Antenna Type</b>                               | WLAN:<br><Ant. 1>: Internal Omni PCB Antenna<br><Ant. 2>: Internal Omni PCB Antenna<br><Ant. 3>: Internal Omni PCB Antenna<br><Ant. 4>: Internal Omni PCB Antenna<br><Ant. 5>: Internal Omni PCB Antenna<br><Ant. 6>: Internal Omni PCB Antenna<br><Ant. 7>: Internal Omni PCB Antenna<br><Ant. 8>: Internal Omni PCB Antenna<br>Bluetooth: Internal Omni PCB Antenna<br>Zigbee: Internal Omni PCB Antenna |

## 1.2 Modification of EUT

No modifications are made to the EUT during all test items.

## 1.3 Testing Site

|                           |                                                                                                                       |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Test Site</b>          | SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory                                                  |
| <b>Test Site Location</b> | No.52, Huaya 1st Rd., Guishan Dist.,<br>Taoyuan City, Taiwan (R.O.C.)<br>TEL: +886-3-327-3456<br>FAX: +886-3-328-4978 |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>                                                                                               |
|                           | DFS02-HY                                                                                                              |

## 1.4 Applied Standards

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

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02
- ♦ FCC KDB 905462 D03 UNII Clients Without Radar Detection New Rules v01r02

**Remark:** All test items were verified and recorded according to the standards and without any deviation during the test.

## 1.5 Support Unit used in test configuration and system

| Item | Equipment | Trade Name | Model Name | FCC ID     | HW / FW Version | Power Cord                                                 |
|------|-----------|------------|------------|------------|-----------------|------------------------------------------------------------|
| 1.   | Notebook  | Lenovo     | Edge E335  | PPD-AR5B95 | N/A             | AC I/P:<br>Unshielded, 1.2 m<br>DC O/P:<br>Shielded, 1.8 m |

## 2 Requirements and Parameters for DFS Test

### 2.1 Summary of Dynamic Frequency Selection Test

| UNII                            | Description                       | Limit                                                          |
|---------------------------------|-----------------------------------|----------------------------------------------------------------|
| U-NII Band 2-C<br>5470-5725 MHz | Channel Availability Check Time   | > 60sec                                                        |
|                                 | U-NII Detection Bandwidth         | > 100% of the U-NII 99% transmission power bandwidth           |
|                                 | Statistical Performance Check     | Type 1,2,3,4 >= 60%<br>Type 1~4 and 5 >= 80%<br>Type 6 >= 70%  |
|                                 | Channel Move Time                 | < 10 sec                                                       |
|                                 | Channel Closing Transmission Time | < 200 ms +<br>aggregate of 60 ms<br>over remaining 10 s period |
|                                 | Non-Occupancy Period Test         | > 30 minutes                                                   |

### 2.2 Applicability of DFS Requirements

EUT is considered as a master device.

**Table 1: Applicability of DFS Requirements Prior to Use of a Channel**

| Requirement                     | Operational Mode |                                |                             |
|---------------------------------|------------------|--------------------------------|-----------------------------|
|                                 | Master           | Client Without Radar Detection | Client With Radar Detection |
| Non-Occupancy Period            | Yes              | Not required                   | Yes                         |
| DFS Detection Threshold         | Yes              | Not required                   | Yes                         |
| Channel Availability Check Time | Yes              | Not required                   | Not required                |
| U-NII Detection Bandwidth       | Yes              | Not required                   | Yes                         |

**Table 2: Applicability of DFS requirements during normal operation**

| Requirement                       | Operational Mode |                                |                             |
|-----------------------------------|------------------|--------------------------------|-----------------------------|
|                                   | Master           | Client Without Radar Detection | Client With Radar Detection |
| DFS Detection Threshold           | Yes              | Not required                   | Yes                         |
| Channel Closing Transmission Time | Yes              | Yes                            | Yes                         |
| Channel Move Time                 | Yes              | Yes                            | Yes                         |
| U-NII Detection Bandwidth         | Yes              | Not required                   | Yes                         |
| Client Beacon Test                | N/A              | Yes                            | Yes                         |

| Additional requirements for devices with multiple bandwidth modes | Operational Mode                      |                                                      |
|-------------------------------------------------------------------|---------------------------------------|------------------------------------------------------|
|                                                                   | Master or Client With Radar Detection | Client Without Radar Detection                       |
| U-NII Detection Bandwidth and Statistical Performance Check       | All BW modes must be tested           | Not required                                         |
| Channel Move Time and Channel Closing Transmission Time           | Test using widest BW mode available   | Test using the widest BW mode available for the link |
| All other tests                                                   | Any single BW mode                    | Not required                                         |

**Note**

Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

## 2.3 DFS Detection Thresholds

Table 3 below provides the DFS Detection Thresholds for Master Devices as well as Client Devices incorporating In-Service Monitoring.

**Table 3: DFS Detection Thresholds for Master Devices**

| Maximum Transmit Power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Value (see notes 1, 2, and 3) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| EIRP $\geq$ 200 milliwatt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -64 dBm                       |
| EIRP < 200 milliwatt and<br>power spectral density < 10 dBm/MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -62 dBm                       |
| EIRP < 200 milliwatt that do not meet the power<br>spectral density requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -64 dBm                       |
| <p><b>Note 1:</b> This is the level at the input of the receiver assuming a 0 dBi receive antenna.</p> <p><b>Note 2:</b> 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.</p> <p><b>Note 3:</b> EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.</p> |                               |

The radar *Detection Threshold*, lowest antenna gain is the parameter of Interference radar DFS detection threshold, The Interference Detection Threshold is the (-64dBm)

## 2.4 DFS Response requirement values

Table 4 provides the response requirements for Master and Client Devices incorporating DFS.

**Table 4: DFS Response Requirement Values**

| Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Value                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <i>Non-occupancy period</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Minimum 30 minutes                                                                                     |
| <i>Channel Availability Check Time</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 60 seconds                                                                                             |
| <i>Channel Move Time</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10 seconds See Note 1.                                                                                 |
| <i>Channel Closing Transmission Time</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2. |
| <i>U-NII Detection Bandwidth</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Minimum 100% of the 99% power bandwidth See Note 3.                                                    |
| <p><b>Note 1:</b> <i>Channel Move Time</i> and the <i>Channel Closing Transmission Time</i> should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.</p> <p><b>Note 2:</b> The <i>Channel Closing Transmission Time</i> is comprised of 200 milliseconds starting at the beginning of the <i>Channel Move Time</i> plus any additional intermittent control signals required to facilitate <i>Channel</i> 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.</p> <p><b>Note 3:</b> During the <i>U-NII Detection Bandwidth</i> 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.</p> |                                                                                                        |

## 2.5 Short Pulse Radar Test Waveforms

Radar Type 0 was used in the evaluation of the Client device for the purpose of measuring the Channel Move Time and the Channel Closing Transmission Time.

| 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.    |
| 1                                                                                                                                           | 1                  | Test A<br>Test B | Roundup $\left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 60%                                        | 30             |
| 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. |                    |                  |                                                                                                                               |                                            |                |

Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a

Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms.

If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B.

The aggregate is the average of the percentage of successful detections of short pulse radar types 1-4.

**Table 5a - Pulse Repetition Intervals Values for Test A**

| Pulse Repetition<br>Frequency<br>Number (1 to 23) | Pulse Repetition<br>Frequency<br>(Pulses Per Second) | Pulse Repetition<br>Interval<br>(Microseconds) |
|---------------------------------------------------|------------------------------------------------------|------------------------------------------------|
| 1                                                 | 1930.5                                               | 518                                            |
| 2                                                 | 1858.7                                               | 538                                            |
| 3                                                 | 1792.1                                               | 558                                            |
| 4                                                 | 1730.1                                               | 578                                            |
| 5                                                 | 1672.2                                               | 598                                            |
| 6                                                 | 1618.1                                               | 618                                            |
| 7                                                 | 1567.4                                               | 638                                            |
| 8                                                 | 1519.8                                               | 658                                            |
| 9                                                 | 1474.9                                               | 678                                            |
| 10                                                | 1432.7                                               | 698                                            |
| 11                                                | 1392.8                                               | 718                                            |
| 12                                                | 1355.0                                               | 738                                            |
| 13                                                | 1319.3                                               | 758                                            |
| 14                                                | 1285.3                                               | 778                                            |
| 15                                                | 1253.1                                               | 798                                            |
| 16                                                | 1222.5                                               | 818                                            |
| 17                                                | 1193.3                                               | 838                                            |
| 18                                                | 1165.5                                               | 858                                            |
| 19                                                | 1139.0                                               | 878                                            |
| 20                                                | 1113.6                                               | 898                                            |
| 21                                                | 1089.3                                               | 918                                            |
| 22                                                | 1066.1                                               | 938                                            |
| 23                                                | 326.2                                                | 3066                                           |

## 2.6 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             |

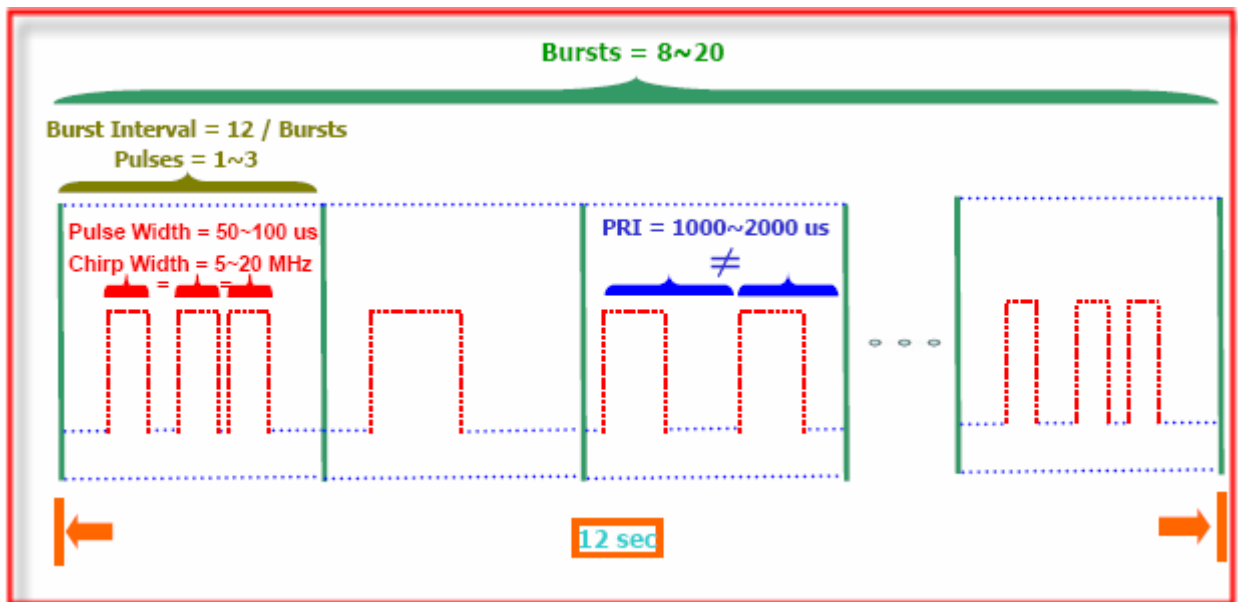
The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse radar test signal. If more than 30 waveforms are used for the Long Pulse radar test signal, then each additional waveform must also be unique and not repeated from the previous waveforms. Each waveform is defined as follows:

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

- (1) The transmission period for the Long Pulse Radar test signal is 12 seconds.
- (2) 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.
- (3) 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.
- (4) 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.
- (5) Each pulse has a linear frequency modulated chirp between 5 and 20 MHz, with the chirp width being randomly chosen. Each pulse within a **transmission period** will have the same chirp width. The chirp is centered on the pulse. For example, with a radar frequency of 5300 MHz and a 20 MHz chirped signal, the chirp starts at 5290 MHz and ends at 5310 MHz
- (6) 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.
- (7) 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.

**A representative example of a Long Pulse radar test waveform:**

- (1) The total test signal length is 12 seconds.
- (2) 8 Bursts are randomly generated for the Burst\_Count.
- (3) Burst 1 has 2 randomly generated pulses.
- (4) The pulse width (for both pulses) is randomly selected to be 75 microseconds.
- (5) The PRI is randomly selected to be at 1213 microseconds.
- (6) Bursts 2 through 8 are generated using steps 3 – 5.
- (7) Each Burst is contained in even intervals of 1,500,000 microseconds. The starting location for Pulse 1, Burst 1 is randomly generated (1 to 1,500,000 minus the total Burst 1 length + 1 random PRI interval) at the 325,001 microsecond step. Bursts 2 through 8 randomly fall in successive 1,500,000 microsecond intervals (i.e. Burst 2 falls in the 1,500,001 – 3,000,000 microsecond range).

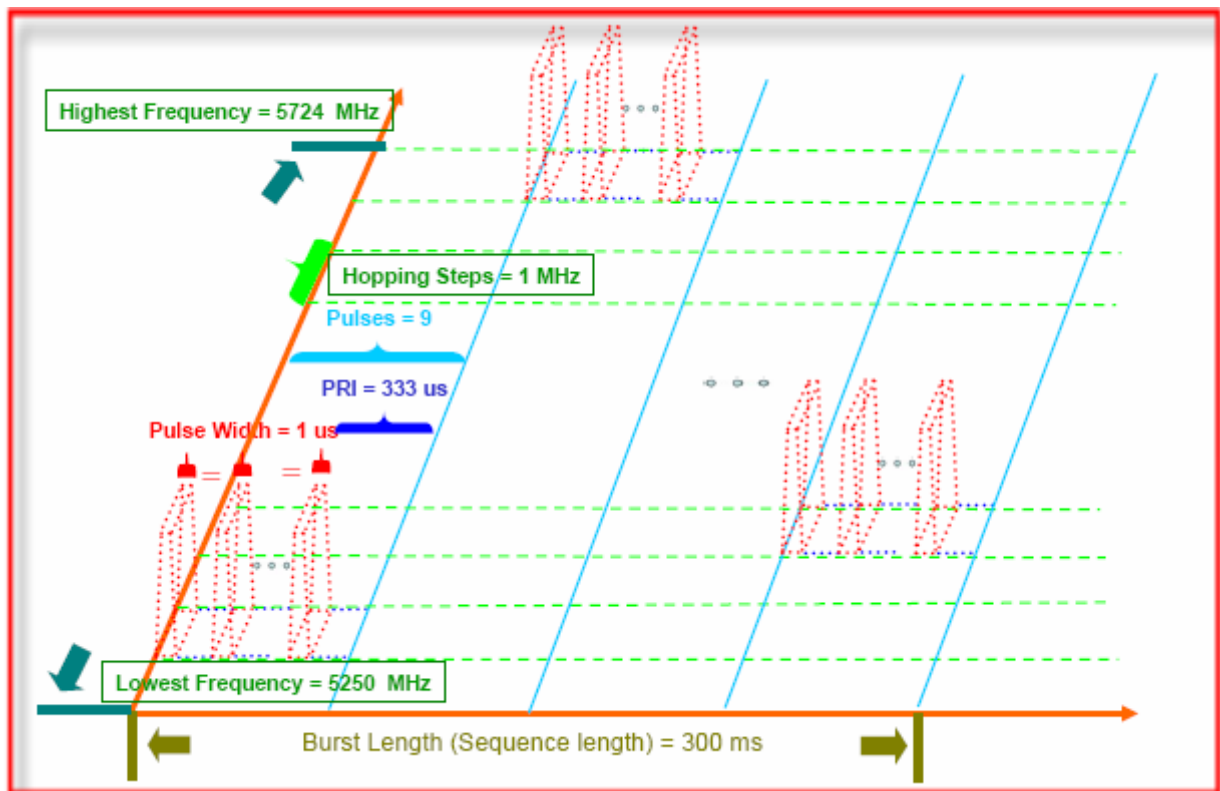


## 2.7 Frequency Hopping Radar Test Waveform

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

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

The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250 – 5724 MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group. This process continues until all 475 frequencies are chosen for the set. For selection of a random frequency, the frequencies remaining within the group are always treated as equally likely.



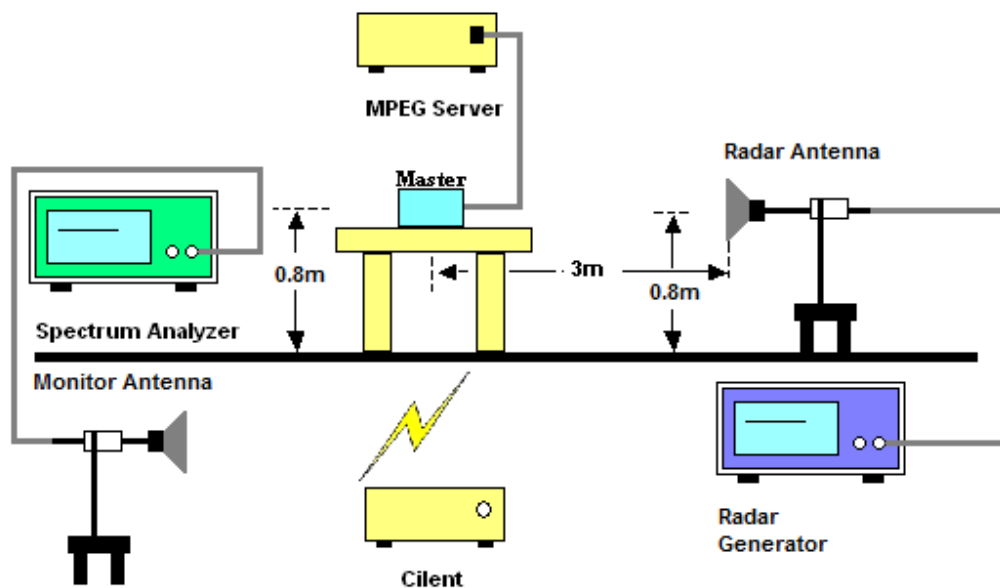
### 3 Calibration Setup and DFS Test Results

#### 3.1 Calibration of Radar Waveform

##### 3.1.1 Radar Waveform Calibration Procedure

The Interference Radar Detection Threshold Level is -64dBm that had been taken into account the output power range and antenna gain. The following equipment setup was used to calibrate the conducted Radar Waveform. A vector signal generator was utilized to establish the test signal level for radar type 0~6. During this process there were no transmissions by either the Master or Client Device. The spectrum analyzer was switched to the zero span (Time Domain) at the frequency of the Radar Waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3 MHz to measure the radar waveform. The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was -64dBm. Capture the spectrum analyzer plots on radar waveform.

##### 3.1.2 Radiated Calibration Setup



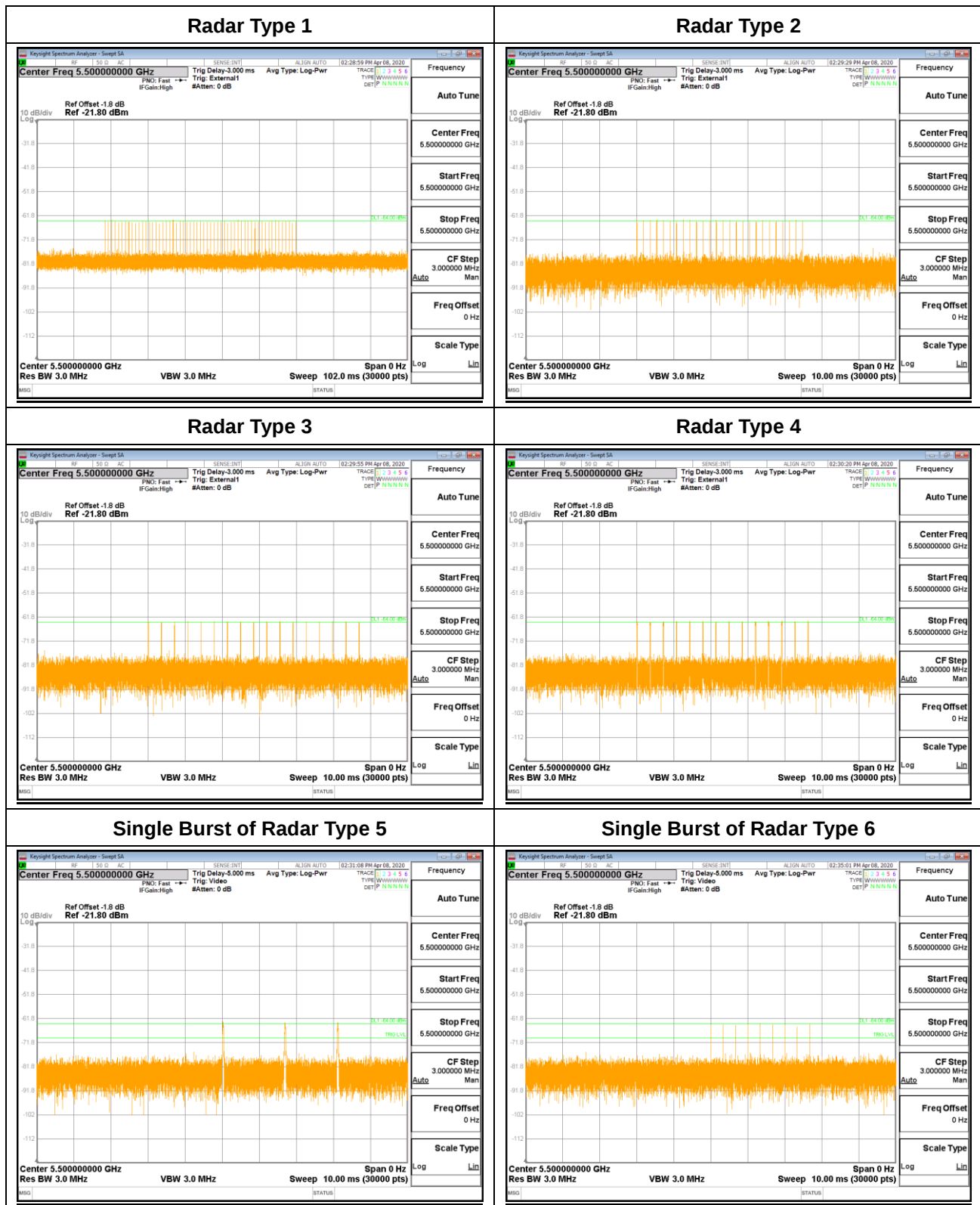
##### 3.1.3 Calibration Deviation

There is no deviation with the original standard.



## 3.1.4 Radar Waveform Calibration Result

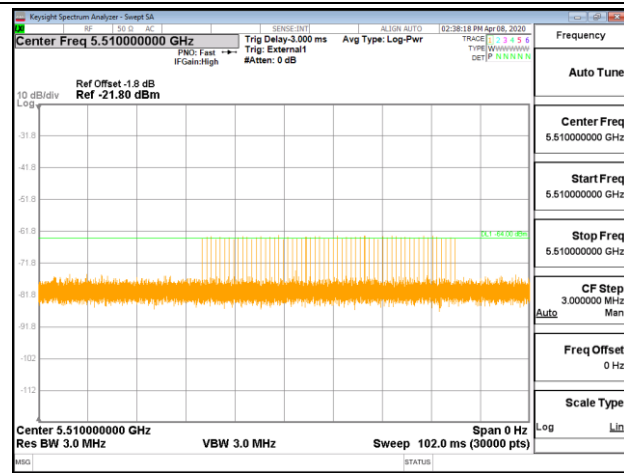
&lt;20MHz / 5500MHz&gt;



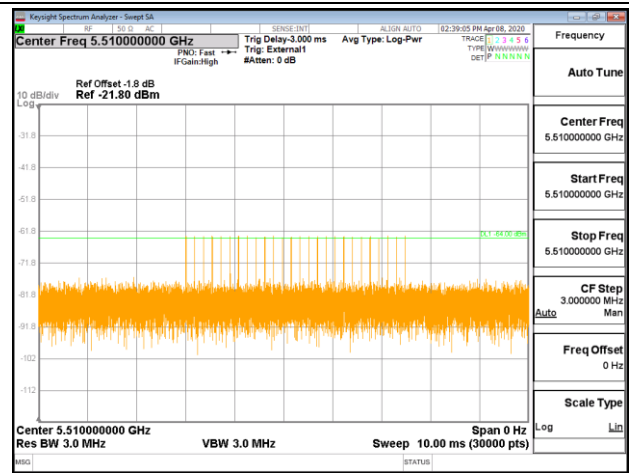


&lt;40MHz / 5510MHz&gt;

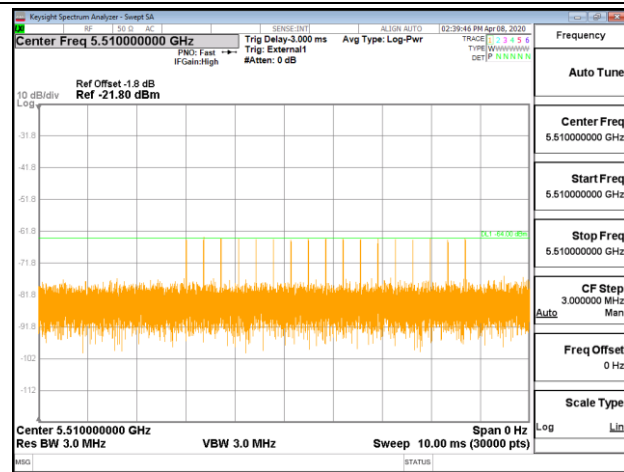
Radar Type 1



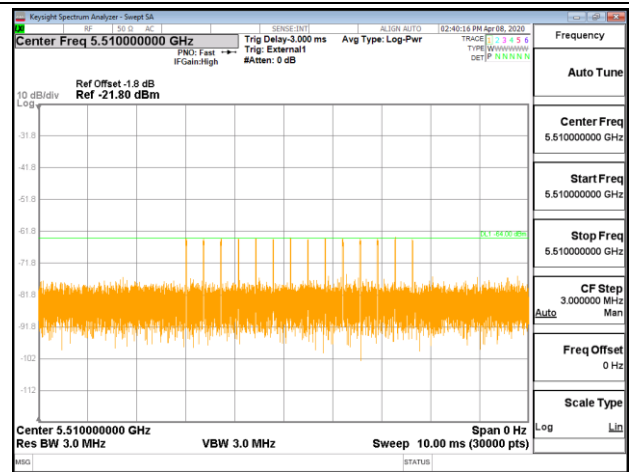
Radar Type 2



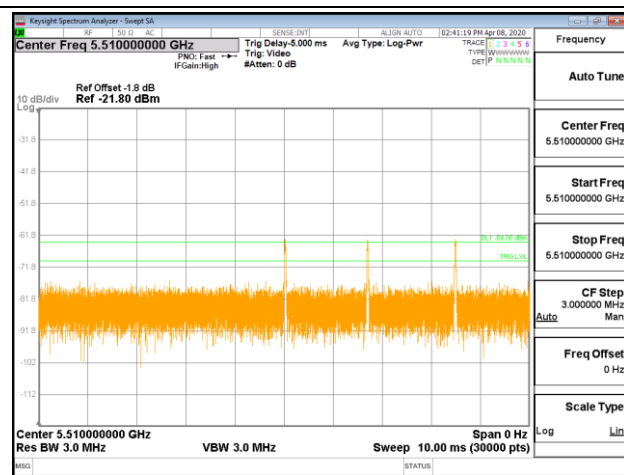
Radar Type 3



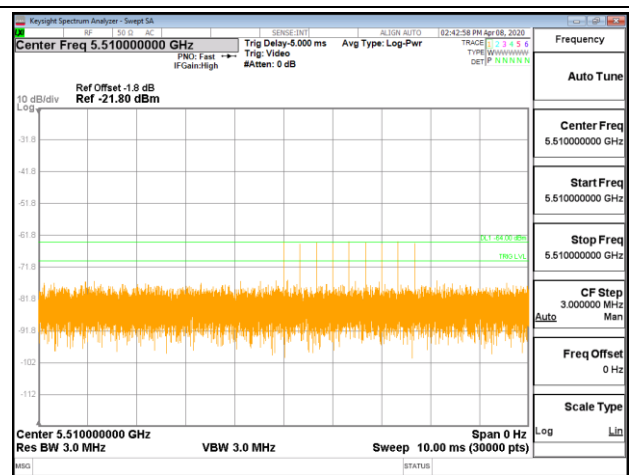
Radar Type 4



Single Burst of Radar Type 5



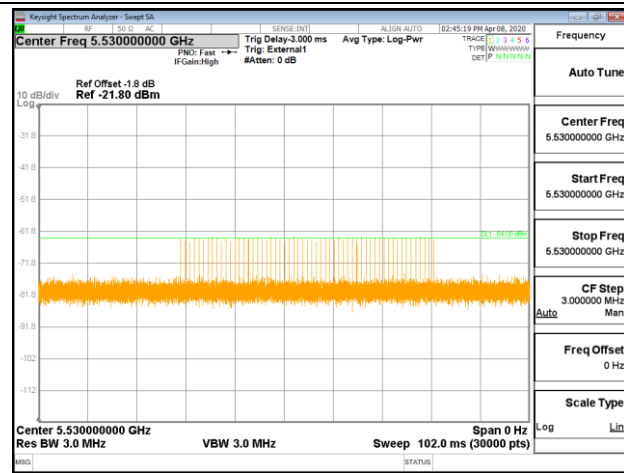
Single Burst of Radar Type 6



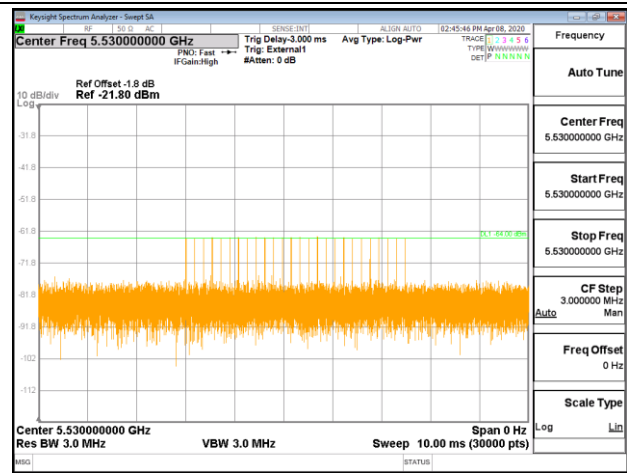


&lt;80MHz / 5530MHz&gt;

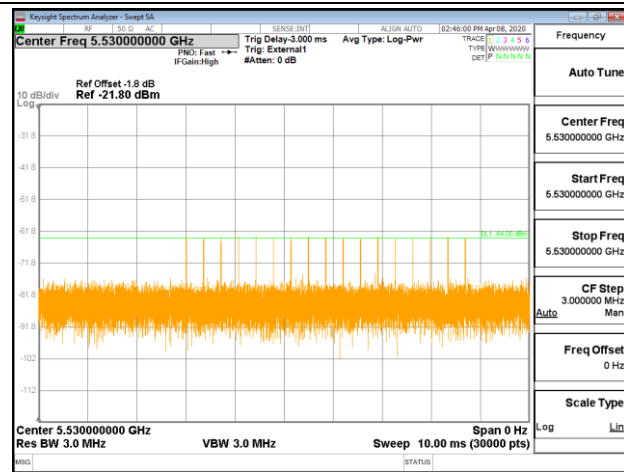
Radar Type 1



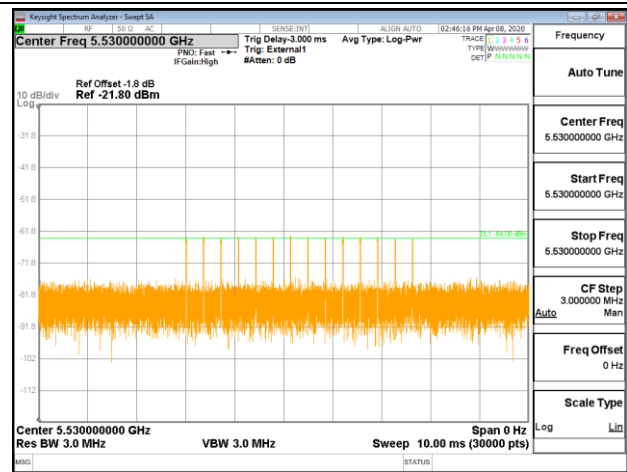
Radar Type 2



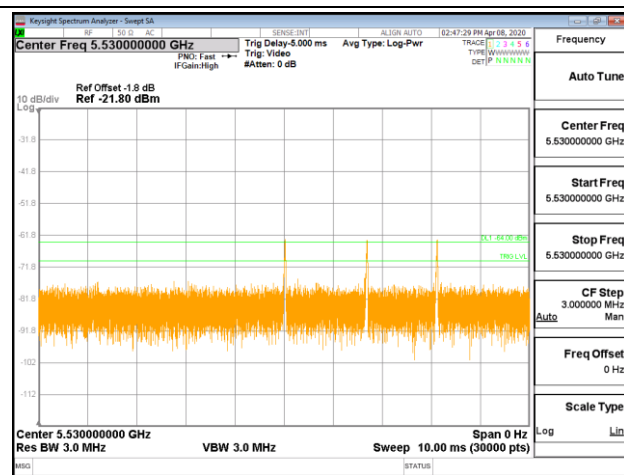
Radar Type 3



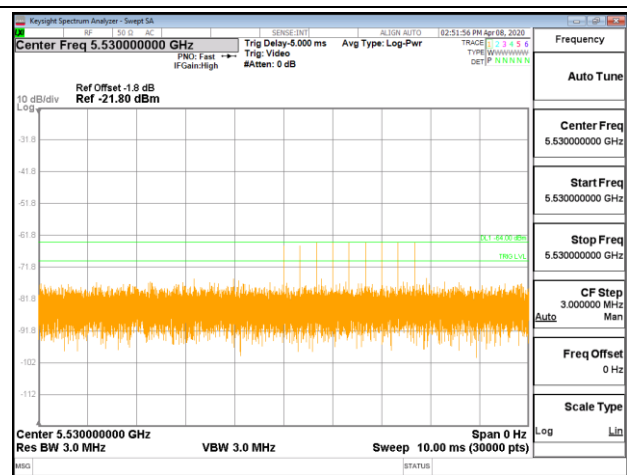
Radar Type 4



Single Burst of Radar Type 5



Single Burst of Radar Type 6



## 3.2 U-NII Detection Bandwidth

### 3.2.1 Limit of U-NII Detection Bandwidth

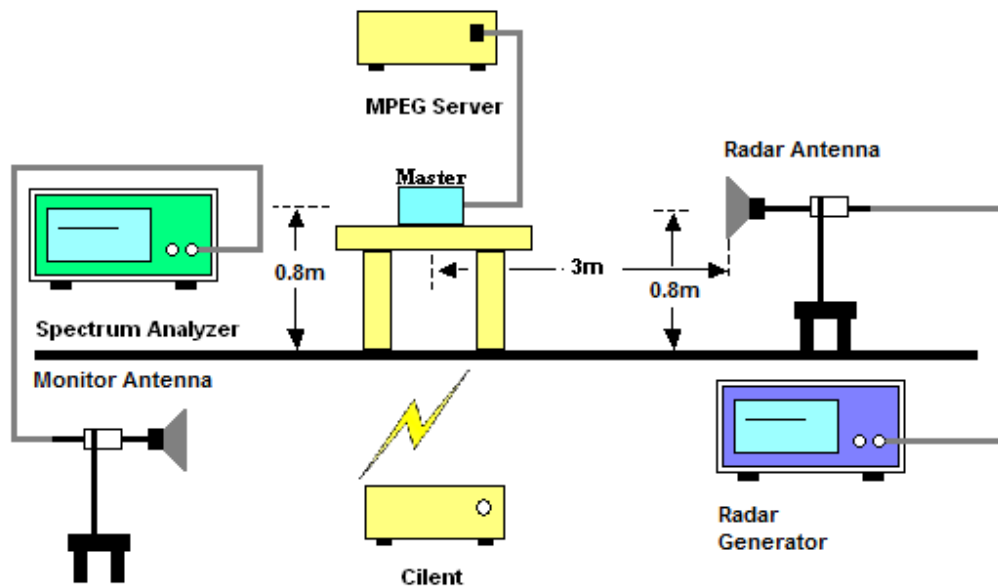
The U-NII Detection Bandwidth shall contain minimum 100% of the 99% power bandwidth.

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.

### 3.2.2 Test Procedures

- (1) Adjust the equipment to produce a single burst of the Short Pulse Radar Type 0 at the center frequency of the EUT Operating Channel at the specified DFS Detection Threshold level.
- (2) Set the EUT up as a standalone device (no associated Client or Master, as appropriate) and no traffic. Frame based systems will be set to a talk/listen ratio of 0%/100% during this test.
- (3) Generate a single radar burst, and note the response of the EUT. Repeat for a minimum of 10 trials. The EUT must detect the Radar Waveform using the specified U-NII Detection Bandwidth criterion.
- (4) Starting at the center frequency of the EUT operating Channel, increase the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion specified in report clause 2.3. Repeat this measurement in 1MHz steps at frequencies 5 MHz below where the detection rate begins to fall. Record the highest frequency (denote as  $F_H$ ) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies above  $F_H$  is not required to demonstrate compliance.
- (5) Starting at the center frequency of the EUT operating Channel, decrease the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion specified in report clause 2.3. Repeat this measurement in 1MHz steps at frequencies 5 MHz above where the detection rate begins to fall. Record the lowest frequency (denote as  $F_L$ ) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies below  $F_L$  is not required to demonstrate compliance.
- (6) The U-NII Detection Bandwidth is calculated as follows:  
*U-NII Detection Bandwidth* =  $F_H - F_L$

### 3.2.3 Test Setup



### 3.2.4 Test Deviation

There is no deviation with the original standard.

### 3.2.5 Result of U-NII Detection Bandwidth

<20MHz / 5500MHz>

| Frequency<br>(MHz)                                                                                                                                  | Fc  | Trial Number (Detection = V, No Detection = N) |   |   |   |   |   |   |   |   |    | Rate<br>(%) | F <sub>H</sub> /F <sub>L</sub> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------|---|---|---|---|---|---|---|---|----|-------------|--------------------------------|
|                                                                                                                                                     |     | 1                                              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |             |                                |
| 5489                                                                                                                                                | -11 | N                                              | N | N | N | N | N | N | N | N | N  | 0%          |                                |
| 5490                                                                                                                                                | -10 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        | F <sub>L</sub>                 |
| 5491                                                                                                                                                | -9  | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5492                                                                                                                                                | -8  | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5493                                                                                                                                                | -7  | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5494                                                                                                                                                | -6  | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5495                                                                                                                                                | -5  | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5500                                                                                                                                                | 0   | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5505                                                                                                                                                | +5  | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5506                                                                                                                                                | +6  | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5507                                                                                                                                                | +7  | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5508                                                                                                                                                | +8  | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5509                                                                                                                                                | +9  | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5510                                                                                                                                                | +10 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5511                                                                                                                                                | +11 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5512                                                                                                                                                | +12 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5513                                                                                                                                                | +13 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5514                                                                                                                                                | +14 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        | F <sub>H</sub>                 |
| 5515                                                                                                                                                | +15 | N                                              | N | N | N | N | N | N | N | N | N  | 0%          |                                |
| Detection Bandwidth = F <sub>H</sub> – F <sub>L</sub> = <b>5514 – 5490 = 24 MHz</b><br>EUT 99% Bandwidth = <b>17.736 MHz</b> (Refer to channel 100) |     |                                                |   |   |   |   |   |   |   |   |    |             |                                |

**<40MHz / 5510MHz>**

| Frequency<br>(MHz)                                                                                                                                  | Fc  | Trial Number (Detection = V, No Detection = N) |   |   |   |   |   |   |   |   |    | Rate<br>(%) | F <sub>H</sub> /F <sub>L</sub> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------|---|---|---|---|---|---|---|---|----|-------------|--------------------------------|
|                                                                                                                                                     |     | 1                                              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |             |                                |
| 5489                                                                                                                                                | -21 | N                                              | N | N | N | N | N | N | N | N | N  | 0%          |                                |
| 5490                                                                                                                                                | -20 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        | F <sub>L</sub>                 |
| 5491                                                                                                                                                | -19 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5492                                                                                                                                                | -18 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5493                                                                                                                                                | -17 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5494                                                                                                                                                | -16 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5495                                                                                                                                                | -15 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5500                                                                                                                                                | -10 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5505                                                                                                                                                | -5  | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5510                                                                                                                                                | 0   | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5515                                                                                                                                                | +5  | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5520                                                                                                                                                | +10 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5525                                                                                                                                                | +15 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5526                                                                                                                                                | +16 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5527                                                                                                                                                | +17 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5528                                                                                                                                                | +18 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5529                                                                                                                                                | +19 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5530                                                                                                                                                | +20 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5531                                                                                                                                                | +21 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5532                                                                                                                                                | +22 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5533                                                                                                                                                | +23 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        | F <sub>H</sub>                 |
| 5534                                                                                                                                                | +24 | N                                              | N | N | N | N | N | N | N | N | N  | 0%          |                                |
| Detection Bandwidth = F <sub>H</sub> – F <sub>L</sub> = <b>5533 – 5490 = 43 MHz</b><br>EUT 99% Bandwidth = <b>37.116 MHz</b> (Refer to channel 102) |     |                                                |   |   |   |   |   |   |   |   |    |             |                                |



<80MHz / 5530MHz>

| Frequency<br>(MHz)                                                           | Fc  | Trial Number (Detection = V, No Detection = N) |   |   |   |   |   |   |   |   |    | Rate<br>(%) | F <sub>H</sub> /F <sub>L</sub> |
|------------------------------------------------------------------------------|-----|------------------------------------------------|---|---|---|---|---|---|---|---|----|-------------|--------------------------------|
|                                                                              |     | 1                                              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |             |                                |
| 5489                                                                         | -41 | N                                              | N | N | N | N | N | N | N | N | N  | 0%          |                                |
| 5490                                                                         | -40 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        | F <sub>L</sub>                 |
| 5491                                                                         | -39 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5492                                                                         | -38 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5493                                                                         | -37 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5494                                                                         | -36 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5495                                                                         | -35 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5500                                                                         | -30 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5505                                                                         | -25 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5510                                                                         | -20 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5515                                                                         | -15 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5520                                                                         | -10 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5525                                                                         | -5  | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5530                                                                         | 0   | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5535                                                                         | +5  | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5540                                                                         | +10 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5545                                                                         | +15 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5550                                                                         | +20 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5555                                                                         | +25 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5560                                                                         | +30 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5565                                                                         | +35 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5566                                                                         | +36 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5567                                                                         | +37 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5568                                                                         | +38 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5569                                                                         | +39 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5570                                                                         | +40 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5571                                                                         | +41 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5572                                                                         | +42 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5573                                                                         | +43 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5574                                                                         | +44 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5575                                                                         | +45 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        |                                |
| 5576                                                                         | +46 | V                                              | V | V | V | V | V | V | V | V | V  | 100%        | F <sub>H</sub>                 |
| 5577                                                                         | +47 | N                                              | N | N | N | N | N | N | N | N | N  | 0%          |                                |
| Detection Bandwidth = F <sub>H</sub> – F <sub>L</sub> = 5576 – 5490 = 86 MHz |     |                                                |   |   |   |   |   |   |   |   |    |             |                                |
| EUT 99% Bandwidth = 78.298 MHz (Refer to channel 106)                        |     |                                                |   |   |   |   |   |   |   |   |    |             |                                |



### **3.3 Channel Availability Check**

#### **3.3.1 Limit of Channel Availability Check**

The Initial Channel Availability Check Time tests that the EUT does not emit beacon, control, or data signals on the test Channel until the power-up sequence has been completed and the U-NII device checks for radar waveforms for **one minute** on the test Channel.

#### **3.3.2 Test Procedures of Initial Channel Availability Check Time**

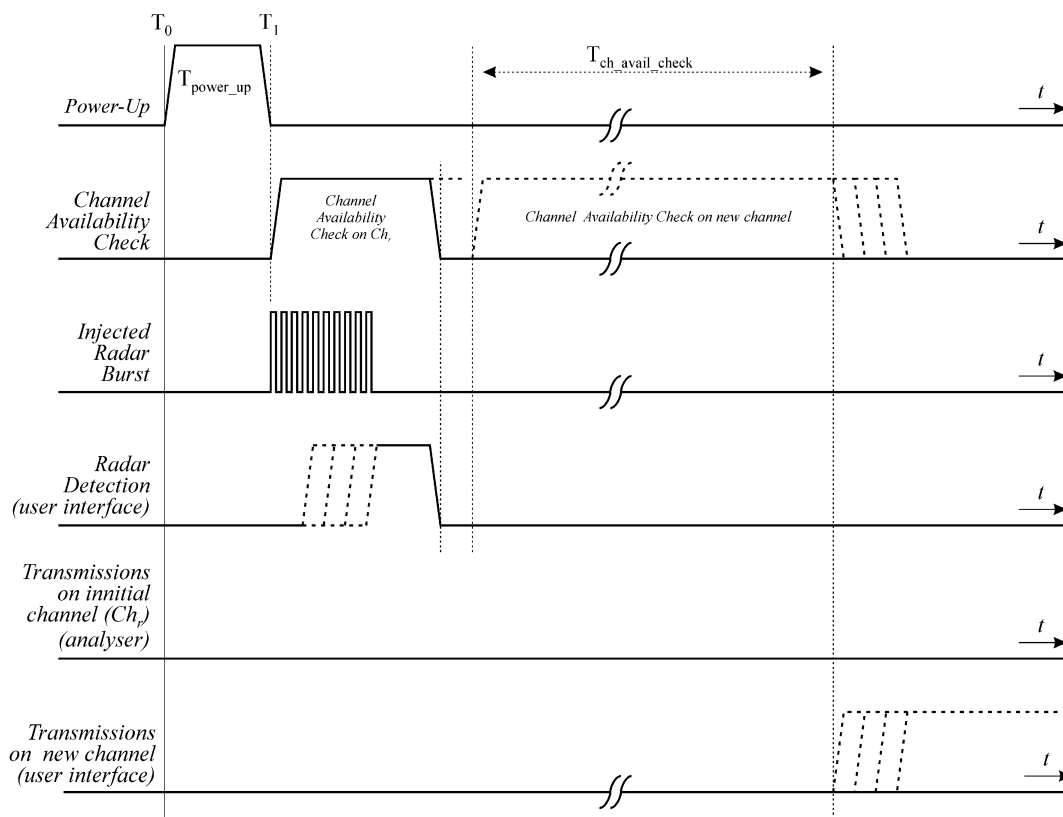
This test does not use any radar waveforms and only needs to be performed one time.

- (1) The U-NII devices will be powered on and be instructed to operate on the appropriate U-NII Channel that must incorporate DFS functions. At the same time the EUT is powered on, the spectrum analyzer will be set to zero span mode with a 3 MHz RBW and 3 MHz VBW on the Channel occupied by the radar (Chr) with a 2.5 minute sweep time. The spectrum analyzer's sweep will be started at the same time power is applied to the U-NII device.
- (2) The EUT should not transmit any beacon or data transmissions until at least 1 minute after the completion of the power-on cycle.

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

The steps below define the procedure to verify successful radar detection on the test Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1 dB occurs at the beginning of the Channel Availability Check Time. This is illustrated in Figure 15.

- (1) The Radar Waveform generator and EUT are connected using the applicable test setup and the power of the EUT is switched off.
- (2) The EUT is powered on at  $T_0$ .  $T_1$  denotes the instant when the EUT has completed its power-up sequence ( $T_{\text{power\_up}}$ ). The Channel Availability Check Time commences on Chr at instant  $T_1$  and will end no sooner than  $T_1 + T_{\text{ch\_avail\_check}}$ .
- (3) A single Burst of one of the Short Pulse Radar Types 1-4 will commence within a 6 second window starting at  $T_1$ . An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
- (4) Visual indication or measured results on the EUT of successful detection of the radar Burst will be recorded and reported. Observation of Chr for EUT emissions will continue for 2.5 minutes after the radar Burst has been generated.
- (5) Verify that during the 2.5 minute measurement window no EUT transmissions occurred on Chr. The Channel Availability Check results will be recorded.

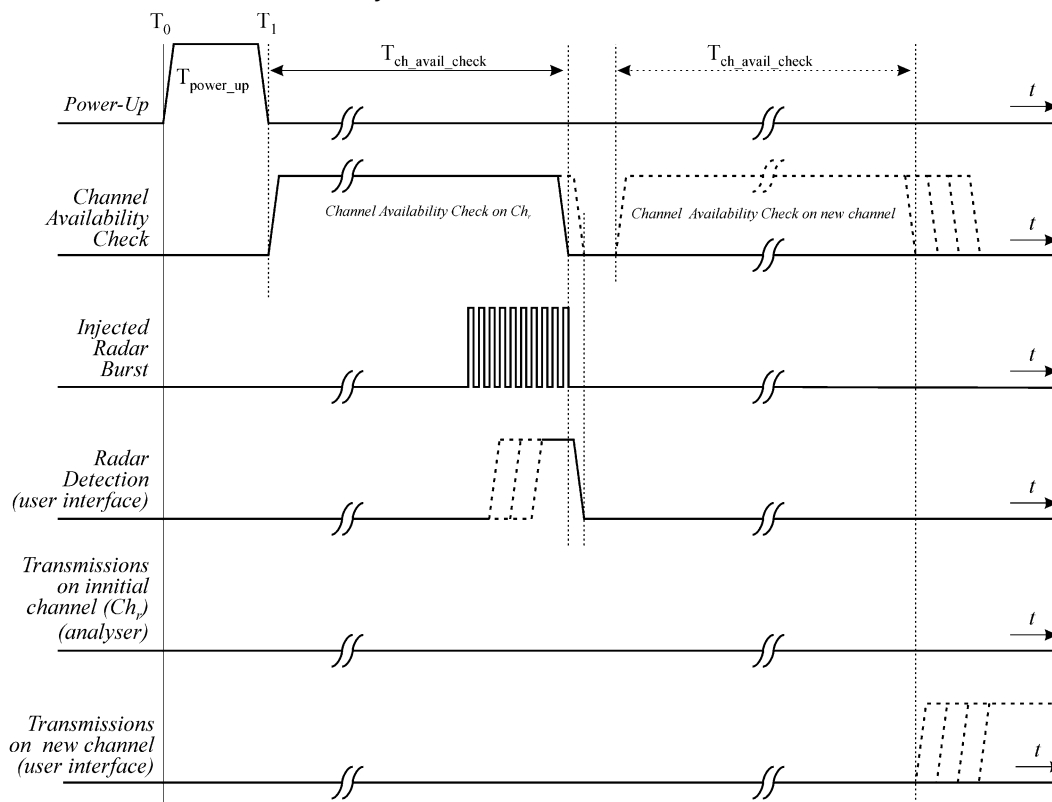


**Figure 15: Example of timing for radar testing at the beginning of the Channel Availability Check Time**

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

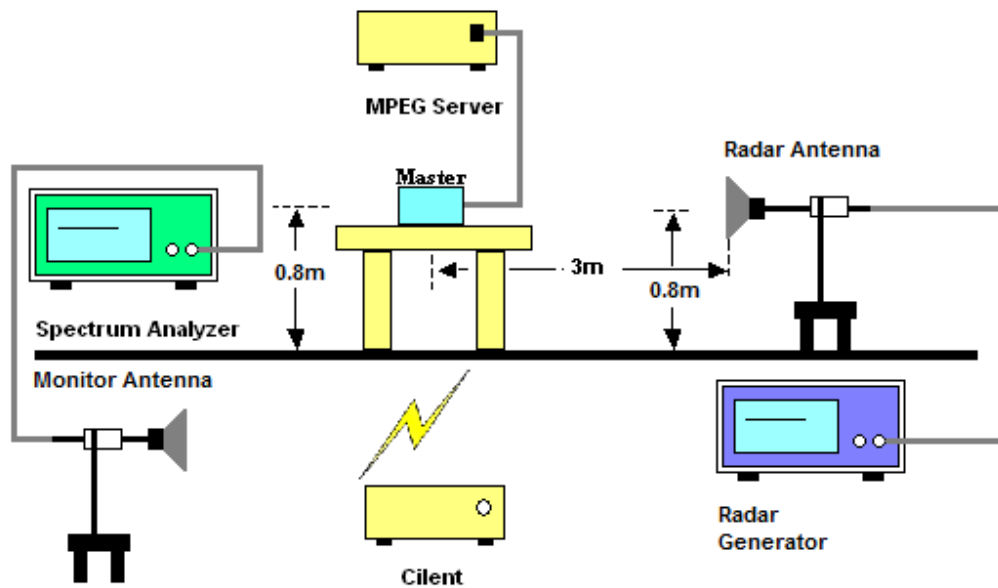
The steps below define the procedure to verify successful radar detection on the test Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1dB occurs at the end of the Channel Availability Check Time. This is illustrated in Figure 16.

- (1) The Radar Waveform generator and EUT are connected using the applicable test setup and the power of the EUT is switched off.
- (2) The EUT is powered on at  $T_0$ .  $T_1$  denotes the instant when the EUT has completed its power-up sequence ( $T_{\text{power\_up}}$ ). The Channel Availability Check Time commences on Chr at instant  $T_1$  and will end no sooner than  $T_1 + T_{\text{ch\_avail\_check}}$ .
- (3) A single Burst of one of the Short Pulse Radar Types 1-4 will commence within a 6 second window starting at  $T_1 + 54$  seconds. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
- (4) Visual indication or measured results on the EUT of successful detection of the radar Burst will be recorded and reported. Observation of Chr for EUT emissions will continue for 2.5 minutes after the radar Burst has been generated.
- (5) Verify that during the 2.5 minute measurement window no EUT transmissions occurred on Chr. The Channel Availability Check results will be recorded.



**Figure 16: Example of timing for radar testing towards the end of the Channel Availability Check Time**

### 3.3.5 Test Setup



### 3.3.6 Test Deviation

There is no deviation with the original standard.



## 3.3.7 Result of Channel Availability Check Time

&lt;80MHz / 5530MHz&gt;



### 3.4 In-Service Monitoring: Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period

#### 3.4.1 Limit of In-Service Monitoring

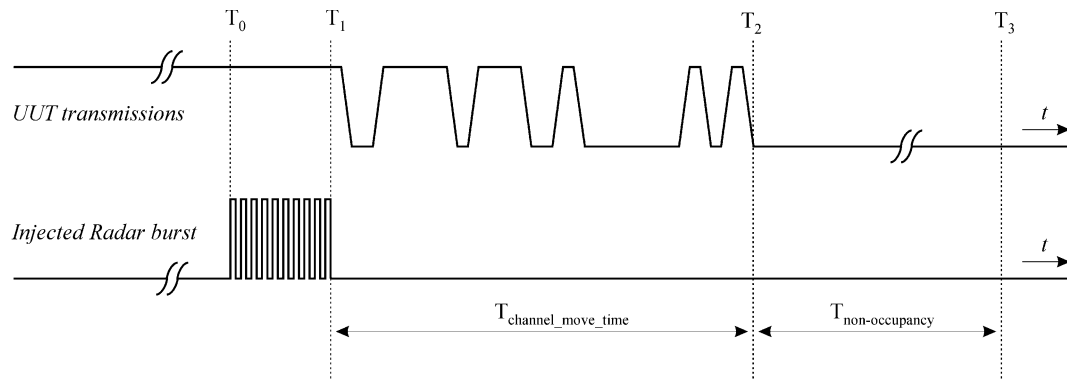
The EUT has In-Service Monitoring function to continuously monitor the radar signals, If radar is detected, it must leave the channel (Shutdown). The Channel Move Time to cease all transmissions on the current Channel upon detection of a Radar Waveform above the DFS Detection Threshold within 10 sec. The total duration of 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.

Non-Occupancy Period time is 30 minute during which a Channel will not be utilized after a Radar Waveform is detected on that Channel.

#### 3.4.2 Test Procedures

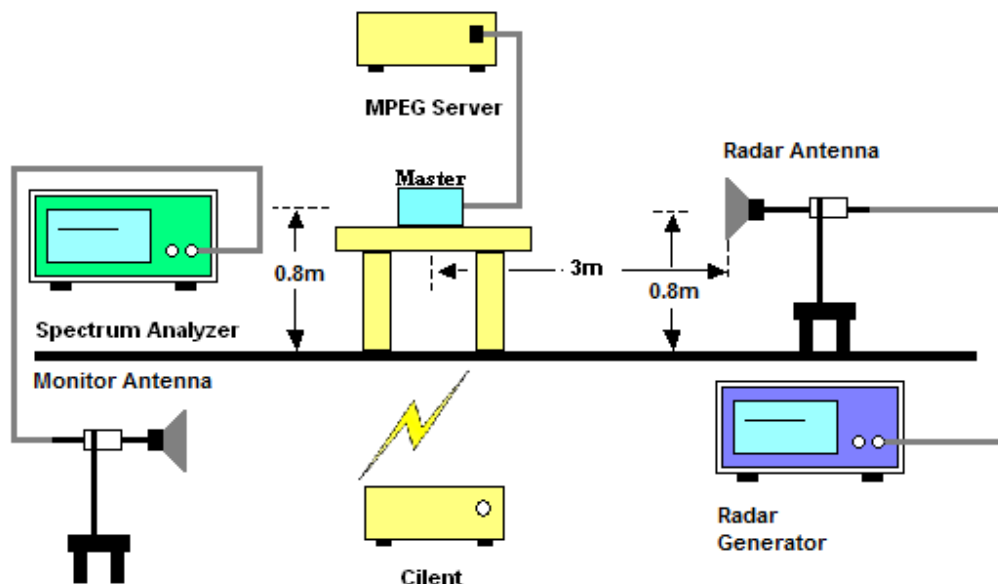
- (1) One frequency will be chosen from the Operating Channels of the EUT within the 5250-5350 MHz or 5470-5725 MHz bands. For 802.11 devices, the test frequency must contain control signals. This can be verified by disabling channel loading and monitoring the spectrum analyzer. If no control signals are detected, another frequency must be selected within the emission bandwidth where control signals are detected.
- (2) In case the EUT is a Master Device, a U-NII device operating as a Client Device will be used and it is assumed that the Client will associate with the EUT (Master). For radiated tests, the emissions of the Radar Waveform generator will be directed towards the Master Device. If the Master Device has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing.
- (3) The TCP protocol unicast data stream was generated by the iperf software command line with at least 17% activity ratio over any 100ms period.
- (4) Timing plots are reported with calculations demonstrating a minimum channel loading of approximately 17% or greater. For example, channel loading can be estimated by setting the spectrum analyzer for zero span and approximate the Time On/ (Time On + Off Time).
- (5) At time T0 the Radar Waveform generator sends a Burst of pulses for one of the Short Pulse Radar Types 1-4 at DFS Detection Threshold levels on the Operating Channel. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
- (6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the EUT during the observation time (Channel Move Time). Measure and record the Channel Move Time and Channel Closing Transmission Time if radar detection occurs.

- (7) When operating as a Master Device, monitor the EUT for more than 30 minutes following instant T2 to verify that the EUT does not resume any transmissions on this Channel. Perform this test once and record the measurement result.



- (8) One 12 seconds plot is reported for the Short Pulse Radar Type 0.
- (9) Measurement of the aggregate duration of the Channel Closing Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by:  $Dwell (0.4ms) = S (12000ms) / B (30000)$ ; where Dwell is the dwell time per spectrum analyzer sampling bin, S is the sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by:  $C (ms) = N \times Dwell (0.4 ms)$ ; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.

### 3.4.3 Test Setup



### 3.4.4 Test Deviation

There is no deviation with the original standard.

### 3.4.5 Result of Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period for Client Beacon Test

|                        |         |                            |        |  |
|------------------------|---------|----------------------------|--------|--|
| <b>Test Mode :</b>     | Master  | <b>Temperature :</b>       | 24~26℃ |  |
| <b>Test Engineer :</b> | PH Yang | <b>Relative Humidity :</b> | 45~50% |  |

| BW / Channel               | Test Item                         | Test Result           | Limit             | Pass/Fail   |
|----------------------------|-----------------------------------|-----------------------|-------------------|-------------|
| <b>80MHz /<br/>5530MHz</b> | Channel Move Time                 | <b>0.4809 s</b>       | <b>&lt; 10s</b>   | <b>Pass</b> |
|                            | Channel Closing Transmission Time | <b>200ms + 4.8 ms</b> | <b>&lt; 260ms</b> | <b>Pass</b> |
|                            | Non-Occupancy Period              | <b>≥ 30</b>           | <b>≥ 30 min</b>   | <b>Pass</b> |

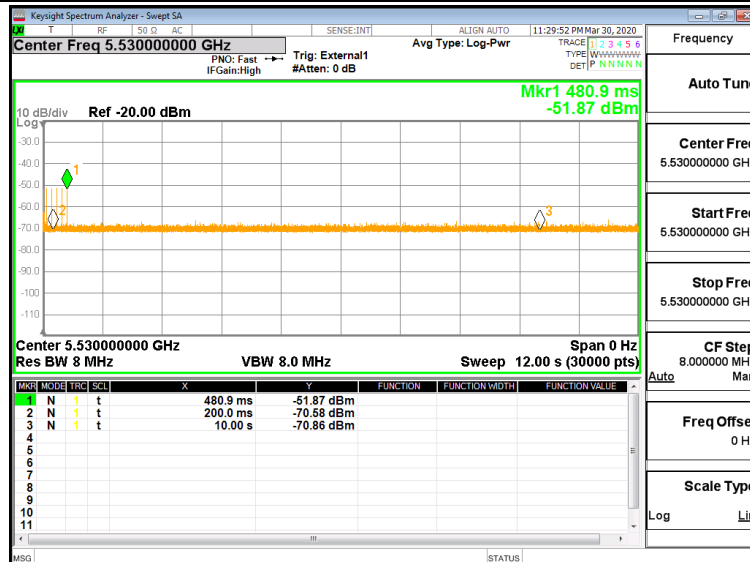
**Note:** The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 seconds period. The aggregate duration of control signals will not count quiet periods in between transmissions.



### 3.4.6 Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period Test Plots

#### <80MHz / 5530MHz> In-Service Monitoring

##### Channel Move Time & Channel Closing Transmission Time



##### Non-Occupancy Period



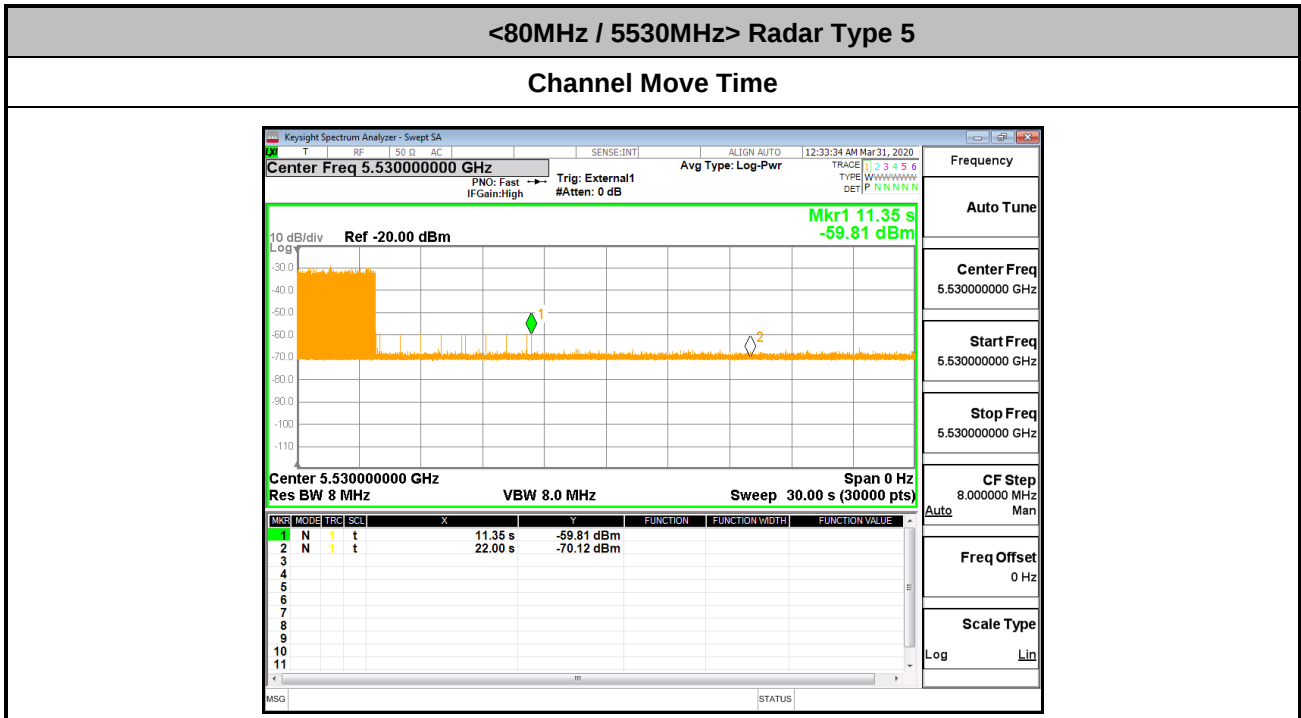
#### Note:

Dwell (0.4 ms) = Sweep Time (12000 ms) / Sweep Point Bins (30000)

Channel Closing Transmission Time ( 200 + 4.8 ms ) = 200 + Number (12) X Dwell (0.4 ms) < 260ms

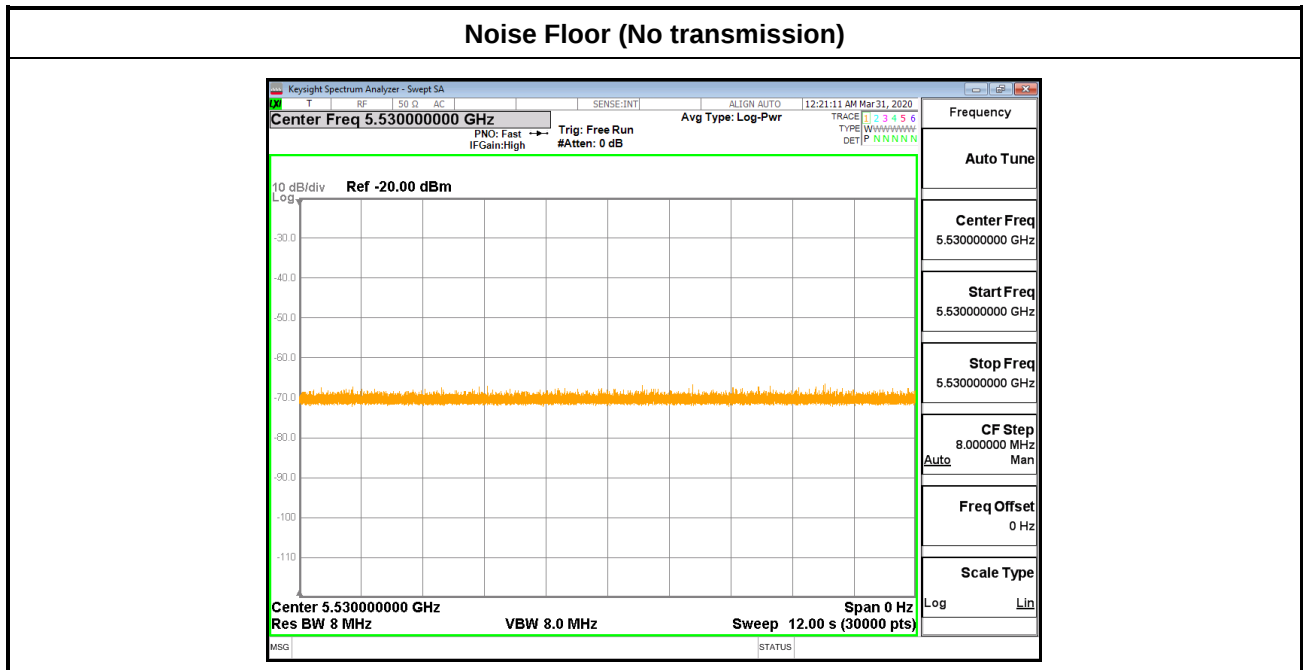
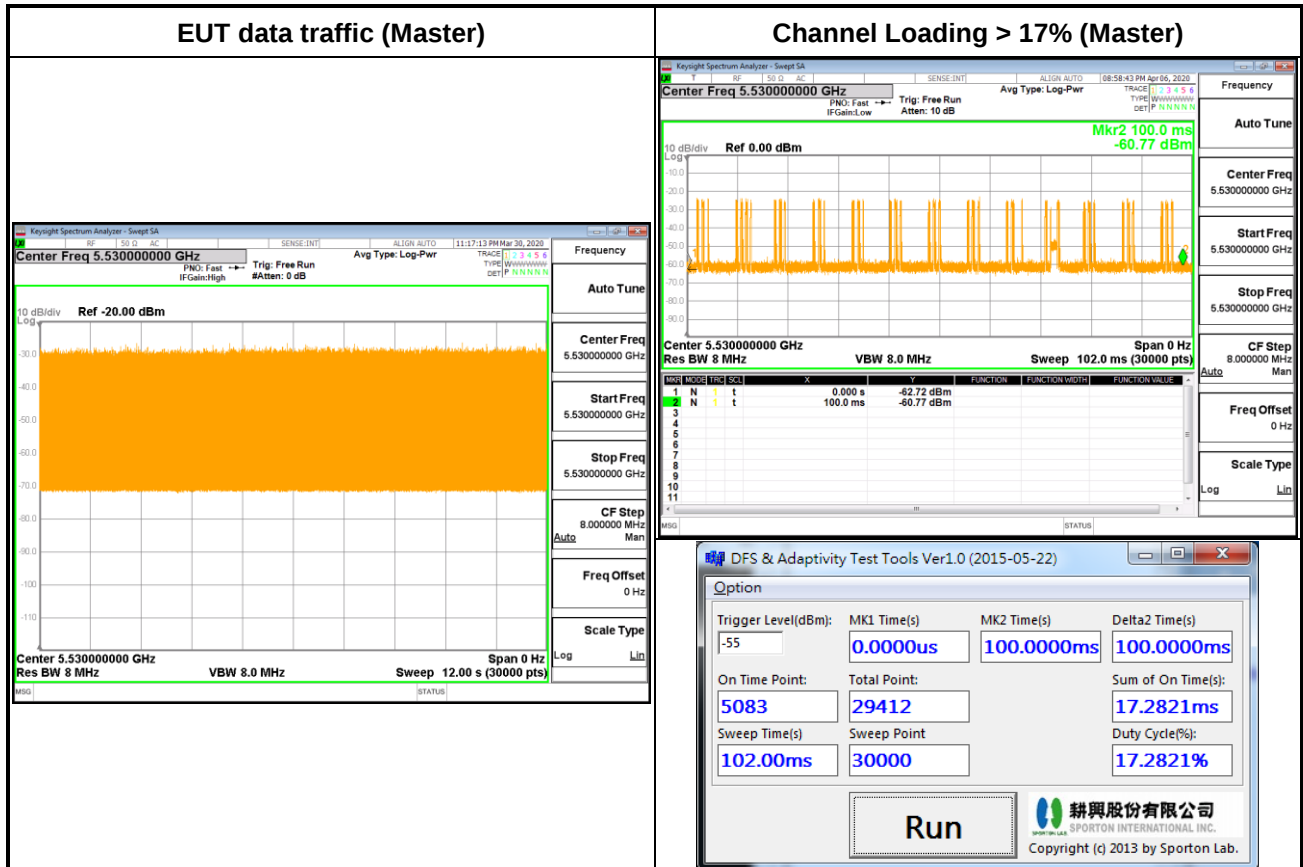


## 3.4.7 Long Pulsed Radar Type Channel Move Time Test Plots (22second)





## 3.4.8 Data Traffic Channel Loading and Noise Floor Plots



### 3.5 Statistical Performance Check

#### 3.5.1 Limit of Statistical Performance Check

##### Short Pulse Radar Test

Once the performance requirements check is complete, statistical data will be gathered, to determine the ability of the device to detect the radar test waveforms (Short Pulse Radar Types 1-4) found in **Table 5**. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trials. The percentage of successful detection is calculated by:

$$\frac{\text{TotalWaveformDetections}}{\text{TotalWaveformTrials}} \times 100 = \text{Percentage of Successful Detection Radar Waveform } N = P_d N$$

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

$$\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4}$$

The minimum number of trials, minimum percentage of successful detection and the aggregate minimum percentage of successful detection are found in **Table 5**.

**Table 5 – Short Pulse Radar Test Waveforms**

| Radar Type                  | Pulse Width<br>(μsec) | PRI<br>(μsec) | Number<br>of Pulses | Minimum<br>Percentage of<br>Successful<br>Detection | Minimum<br>Number of<br>Trials |
|-----------------------------|-----------------------|---------------|---------------------|-----------------------------------------------------|--------------------------------|
| 1                           | 1                     | 1428          | 18                  | 60%                                                 | 30                             |
| 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                            |



A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 1 through 4. For Short Pulse Radar Type 0, the same waveform is used a minimum of 30 times. 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.

| Radar Type                                           | Number of Trials | Number of Successful<br>Detections | Minimum Percentage<br>of Successful<br>Detection |
|------------------------------------------------------|------------------|------------------------------------|--------------------------------------------------|
| 1                                                    | 35               | 29                                 | 82.9%                                            |
| 2                                                    | 30               | 18                                 | 60%                                              |
| 3                                                    | 30               | 27                                 | 90%                                              |
| 4                                                    | 50               | 44                                 | 88%                                              |
| Aggregate $(82.9\% + 60\% + 90\% + 88\%)/4 = 80.2\%$ |                  |                                    |                                                  |

### **Long Pulse Radar Test**

Statistical data will be gathered to determine the ability of the device to detect the Long Pulse Radar Type 5 found in **Table 6**. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trials.

**Table 6 – Long Pulse Radar Test Waveform**

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Minimum Percentage of Successful Detection | Minimum Number of Trials |
|------------|--------------------|-------------------|------------|----------------------------|------------------|--------------------------------------------|--------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 80%                                        | 30                       |

The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse Radar Type waveforms. If more than 30 waveforms are used for the Long Pulse Radar Type waveforms, then each additional waveform must also be unique and not repeated from the previous waveforms.

Three subsets of trials will be performed with a minimum of ten trials per subset.

The subset of trials differs in where the Long Pulse Type 5 Signal is tuned in frequency:

- The Channel center frequency (subset case 1).
- Tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the low edge of the UUT Occupied Bandwidth (subset case 2).
- Tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the high edge of the UUT Occupied Bandwidth (subset case 3).

For subset case 1: the center frequency of the signal generator will remain fixed at the center of the UUT Channel.

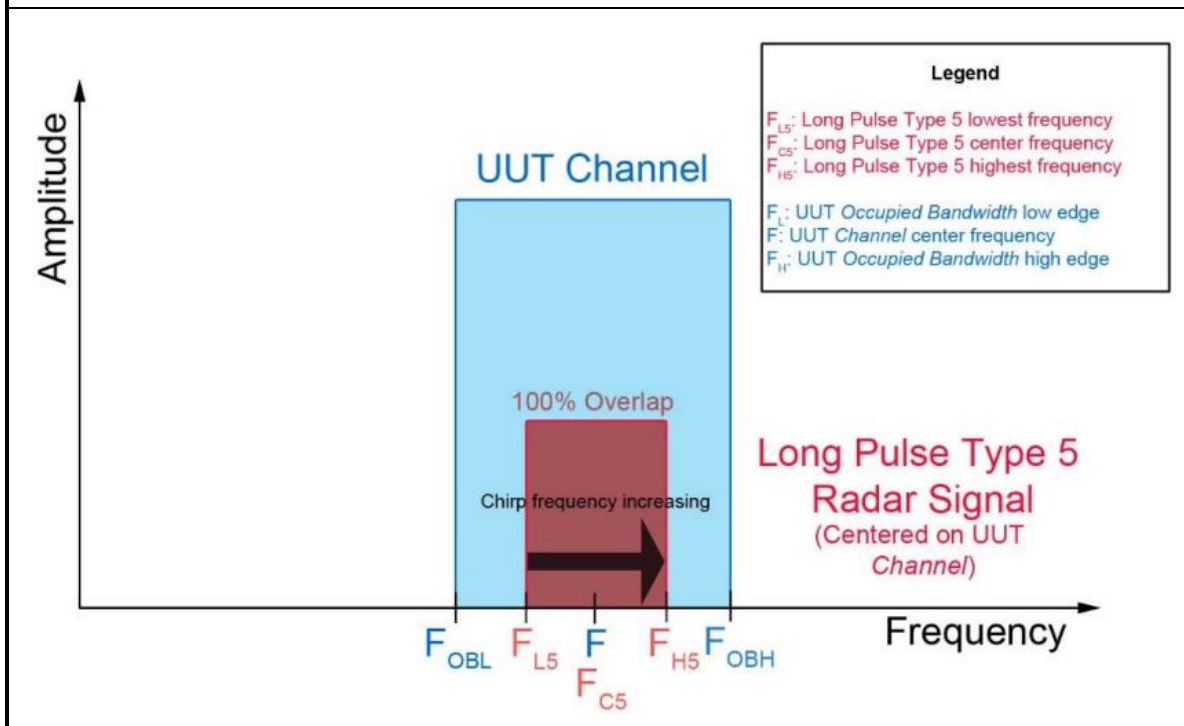
For subset case 2: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 2.

The center frequency of the signal generator for each trial is calculated by:  $FL + (0.4 * \text{Chirp Width [in MHz]})$

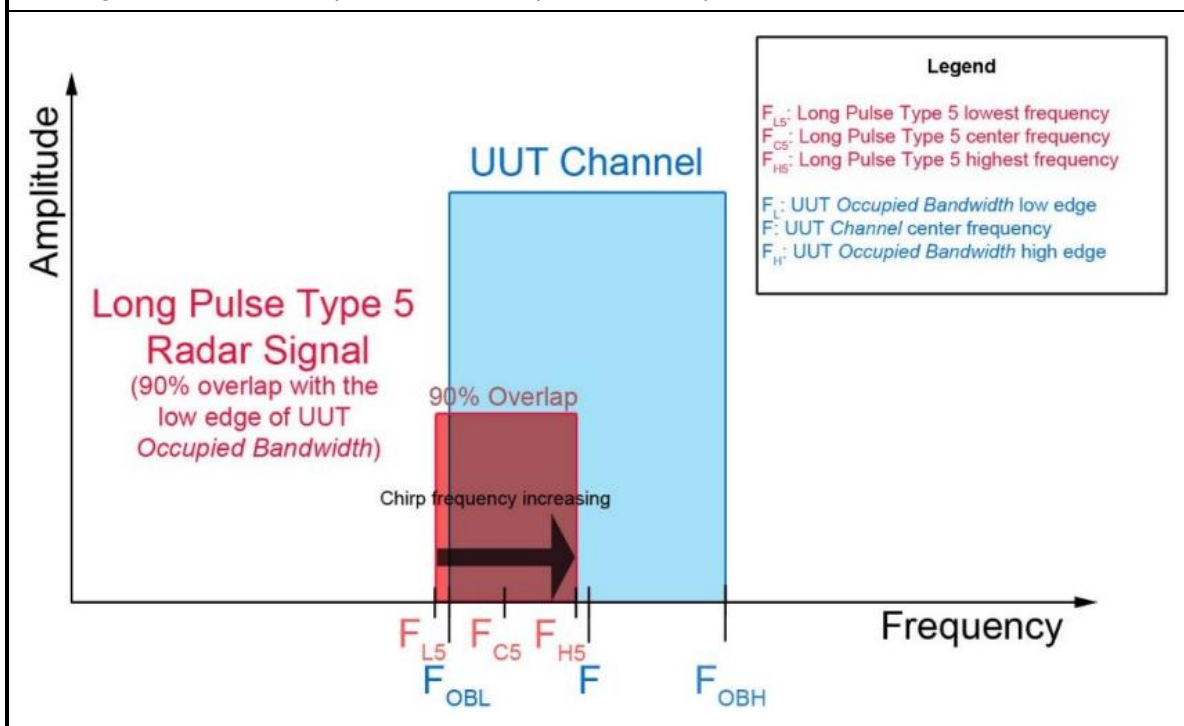
For subset case 3: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 3.

The center frequency of the signal generator for each trial is calculated by:  $FH - (0.4 * \text{Chirp Width [in MHz]})$

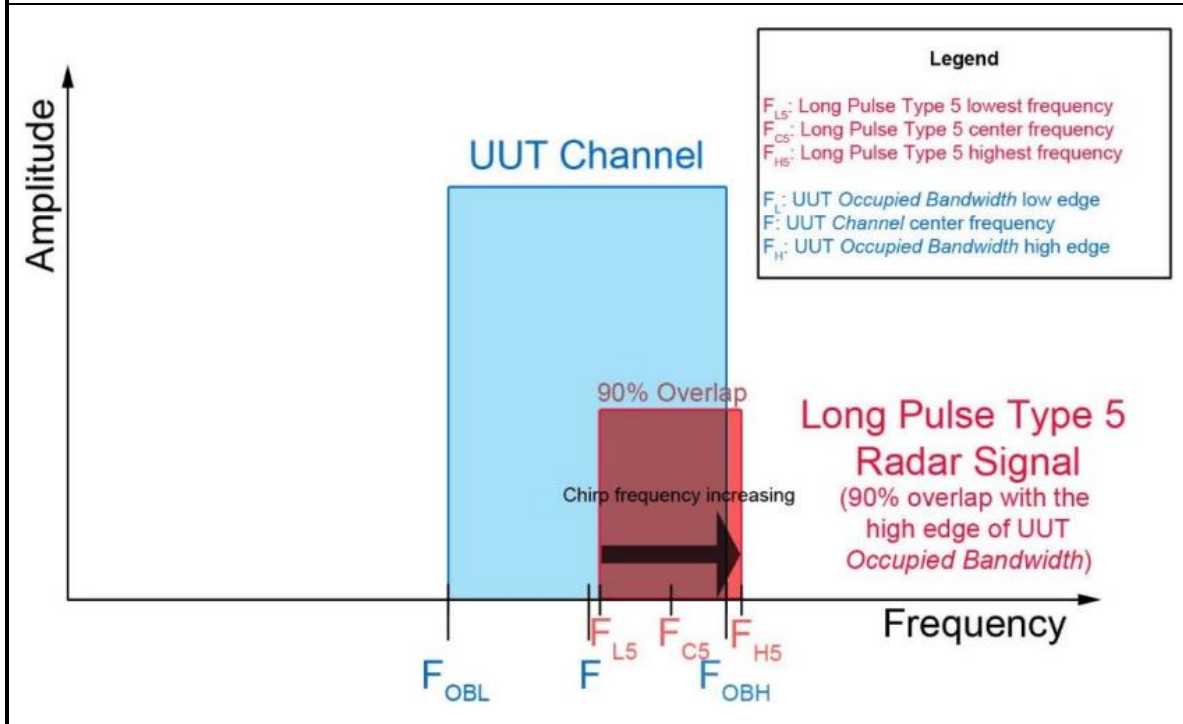
a) Channel center frequency (subset case 1)



b) Tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the low edge of the UUT Occupied Bandwidth. (subset case 2)



c) Tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the high edge of the UUT Occupied Bandwidth. (subset case 3)



The percentage of successful detection is calculated by:

$$\frac{\text{TotalWaveformDetections}}{\text{TotalWaveformTrials}} \times 100$$

### **Frequency Hopping Radar Test**

Statistical data will be gathered to determine the ability of the device to detect the Frequency Hopping radar test signal (radar type 6) found in **Table 7**. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs. The probability of successful detection is calculated by:

$$\frac{TotalWaveformDetections}{TotalWaveformTrials} \times 100$$

**Table 7 – Frequency Hopping Radar Test Waveform**

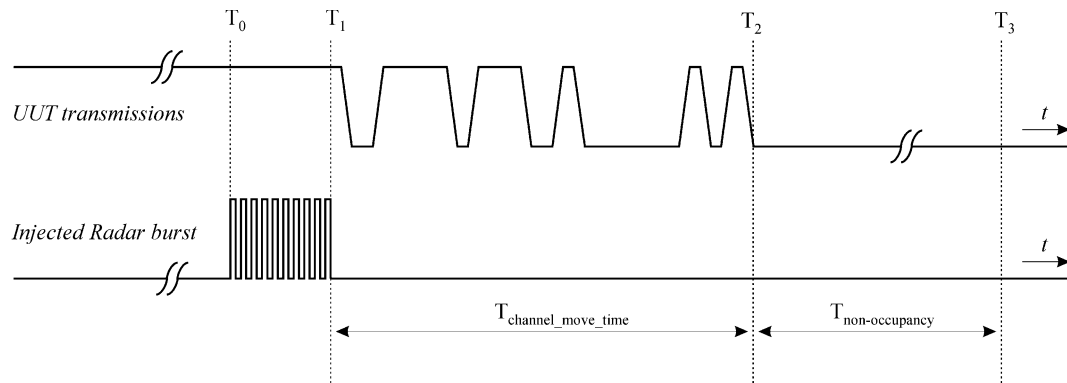
| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Minimum Percentage of Successful Detection | Minimum Number of Trials |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|--------------------------------------------|--------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

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

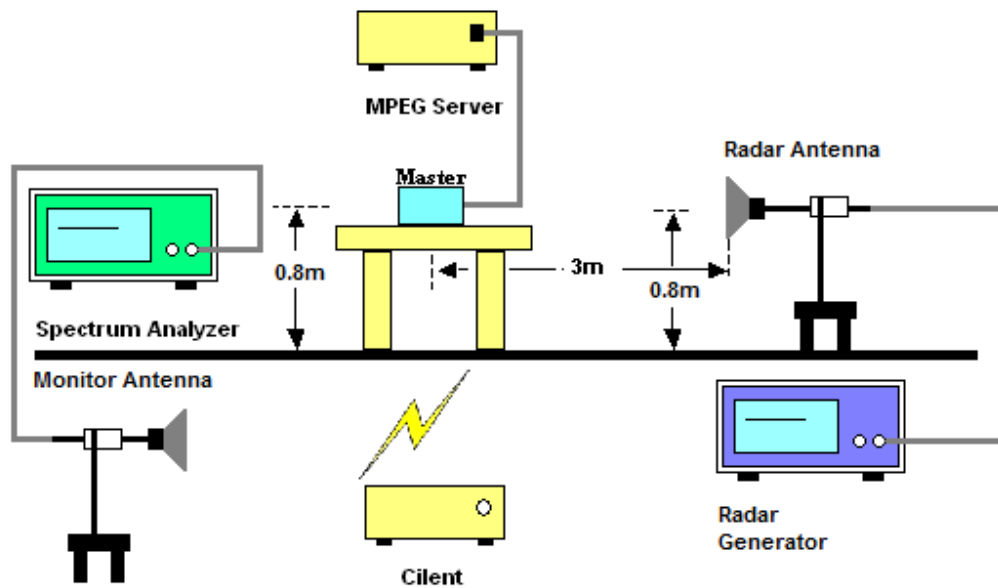
The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250 – 5724 MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group. This process continues until all 475 frequencies are chosen for the set. For selection of a random frequency, the frequencies remaining within the group are always treated as equally likely.

### 3.5.2 Test Procedures

- (1) One frequency will be chosen from the Operating Channels of the EUT within the 5250-5350 MHz or 5470-5725 MHz bands.
- (2) In case the EUT is a Master Device, a U-NII device operating as a Client Device will be used and it is assumed that the Client will associate with the EUT (Master). If the Master Device has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing.
- (3) The TCP protocol unicast data stream was generated by the iperf software command line with at least 17% activity ratio over any 100ms period.
- (4) At time  $T_0$  the Radar Waveform generator sends a Burst of pulses for each of the Radar Types 1-6 at DFS Detection Threshold levels on the Operating Channel. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
- (5) Observe the transmissions of the EUT 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.
- (6) Observe the transmissions of the EUT 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.



### 3.5.3 Test Setup



### 3.5.4 Test Deviation

There is no deviation with the original standard.

### 3.5.5 Result of Statistical Performance Check

<20MHz / 5500MHz>

| (Detection = Y, No Detection = N)         |        |        |                |        |        |        |
|-------------------------------------------|--------|--------|----------------|--------|--------|--------|
| Trial Number                              | Type 1 | Type 2 | Type 3         | Type 4 | Type 5 | Type 6 |
| 1                                         | Y      | Y      | Y              | Y      | Y      | Y      |
| 2                                         | Y      | Y      | Y              | Y      | N      | Y      |
| 3                                         | Y      | Y      | Y              | Y      | Y      | Y      |
| 4                                         | Y      | Y      | Y              | Y      | Y      | Y      |
| 5                                         | Y      | Y      | Y              | Y      | Y      | Y      |
| 6                                         | Y      | Y      | Y              | Y      | Y      | Y      |
| 7                                         | Y      | Y      | Y              | Y      | Y      | Y      |
| 8                                         | Y      | Y      | Y              | Y      | Y      | Y      |
| 9                                         | Y      | Y      | Y              | Y      | Y      | Y      |
| 10                                        | Y      | Y      | Y              | Y      | N      | Y      |
| 11                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 12                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 13                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 14                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 15                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 16                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 17                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 18                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 19                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 20                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 21                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 22                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 23                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 24                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 25                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 26                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 27                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 28                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 29                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 30                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| Trial of Detection                        | 30/30  | 30/30  | 30/30          | 30/30  | 28/30  | 30/30  |
| Probability (%)                           | 100%   | 100%   | 100%           | 100%   | 93.3%  | 100%   |
| Limit (%)                                 | >= 60% | >= 60% | >= 60%         | >= 60% | >= 80% | >= 70% |
| Average Probability of Radar Type 1~4 (%) |        |        | 100% ( >=80% ) |        |        |        |



&lt;40MHz / 5510MHz&gt;

| (Detection = Y, No Detection = N)         |        |        |                |        |        |        |
|-------------------------------------------|--------|--------|----------------|--------|--------|--------|
| Trial Number                              | Type 1 | Type 2 | Type 3         | Type 4 | Type 5 | Type 6 |
| 1                                         | Y      | Y      | Y              | Y      | Y      | Y      |
| 2                                         | Y      | Y      | Y              | Y      | Y      | Y      |
| 3                                         | Y      | Y      | Y              | Y      | Y      | Y      |
| 4                                         | Y      | Y      | Y              | Y      | Y      | Y      |
| 5                                         | Y      | Y      | Y              | Y      | Y      | Y      |
| 6                                         | Y      | Y      | Y              | Y      | Y      | Y      |
| 7                                         | Y      | Y      | Y              | Y      | Y      | Y      |
| 8                                         | Y      | Y      | Y              | Y      | Y      | Y      |
| 9                                         | Y      | Y      | Y              | Y      | Y      | Y      |
| 10                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 11                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 12                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 13                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 14                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 15                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 16                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 17                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 18                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 19                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 20                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 21                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 22                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 23                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 24                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 25                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 26                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 27                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 28                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 29                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| 30                                        | Y      | Y      | Y              | Y      | Y      | Y      |
| Trial of Detection                        | 30/30  | 30/30  | 30/30          | 30/30  | 30/30  | 30/30  |
| Probability (%)                           | 100%   | 100%   | 100%           | 100%   | 100%   | 100%   |
| Limit (%)                                 | >= 60% | >= 60% | >= 60%         | >= 60% | >= 80% | >= 70% |
| Average Probability of Radar Type 1~4 (%) |        |        | 100% ( >=80% ) |        |        |        |



&lt;80MHz / 5530MHz&gt;

| (Detection = Y, No Detection = N)         |        |        |        |                |        |        |
|-------------------------------------------|--------|--------|--------|----------------|--------|--------|
| Trial Number                              | Type 1 | Type 2 | Type 3 | Type 4         | Type 5 | Type 6 |
| 1                                         | Y      | Y      | Y      | Y              | Y      | Y      |
| 2                                         | Y      | Y      | Y      | Y              | Y      | Y      |
| 3                                         | Y      | Y      | Y      | Y              | Y      | Y      |
| 4                                         | Y      | Y      | Y      | Y              | Y      | Y      |
| 5                                         | Y      | Y      | Y      | Y              | Y      | Y      |
| 6                                         | Y      | Y      | Y      | Y              | Y      | Y      |
| 7                                         | Y      | Y      | Y      | Y              | Y      | Y      |
| 8                                         | Y      | Y      | Y      | Y              | Y      | Y      |
| 9                                         | Y      | Y      | Y      | Y              | Y      | Y      |
| 10                                        | Y      | Y      | Y      | Y              | Y      | Y      |
| 11                                        | Y      | Y      | Y      | Y              | Y      | Y      |
| 12                                        | Y      | Y      | Y      | Y              | Y      | Y      |
| 13                                        | Y      | Y      | Y      | Y              | Y      | Y      |
| 14                                        | Y      | Y      | Y      | Y              | Y      | Y      |
| 15                                        | Y      | Y      | Y      | Y              | Y      | Y      |
| 16                                        | Y      | Y      | Y      | Y              | Y      | Y      |
| 17                                        | Y      | Y      | Y      | Y              | Y      | Y      |
| 18                                        | Y      | Y      | Y      | Y              | Y      | Y      |
| 19                                        | Y      | Y      | Y      | Y              | Y      | Y      |
| 20                                        | Y      | Y      | Y      | Y              | Y      | Y      |
| 21                                        | Y      | Y      | Y      | Y              | Y      | Y      |
| 22                                        | Y      | Y      | Y      | Y              | N      | Y      |
| 23                                        | Y      | Y      | Y      | Y              | Y      | Y      |
| 24                                        | Y      | Y      | Y      | Y              | Y      | Y      |
| 25                                        | Y      | Y      | Y      | Y              | Y      | Y      |
| 26                                        | Y      | Y      | Y      | Y              | Y      | Y      |
| 27                                        | Y      | Y      | Y      | Y              | Y      | Y      |
| 28                                        | Y      | Y      | Y      | Y              | N      | Y      |
| 29                                        | Y      | Y      | Y      | Y              | N      | Y      |
| 30                                        | Y      | Y      | Y      | Y              | Y      | Y      |
| Trial of Detection                        | 30/30  | 30/30  | 30/30  | 30/30          | 27/30  | 30/30  |
| Probability (%)                           | 100%   | 100%   | 100%   | 100%           | 90%    | 100%   |
| Limit (%)                                 | >= 60% | >= 60% | >= 60% | >= 60%         | >= 80% | >= 70% |
| Average Probability of Radar Type 1~4 (%) |        |        |        | 100% ( >=80% ) |        |        |



## 4 List of Measuring Equipment

| Instrument        | Manufacturer    | Model No.  | Serial No.      | Characteristics | Calibration Date | Test Date                       | Due Date      | Remark            |
|-------------------|-----------------|------------|-----------------|-----------------|------------------|---------------------------------|---------------|-------------------|
| Signal Generator  | Keysight        | N5182B     | MY562003<br>77  | 9kHz~6GHz       | Apr. 22, 2019    | Mar. 30, 2020~<br>Apr. 08, 2020 | Apr. 21, 2020 | DFS<br>(DFS02-HY) |
| Spectrum Analyzer | Keysight        | N9010A     | MY560704<br>12  | 10Hz~7GHz       | Aug. 27, 2019    | Mar. 30, 2020~<br>Apr. 08, 2020 | Aug. 26, 2020 | DFS<br>(DFS02-HY) |
| Horn Antenna      | SCHWARZBE<br>CK | BBHA 9120D | 9120D-020<br>37 | 1GHz~18GHz      | Oct. 28, 2019    | Mar. 30, 2020~<br>Apr. 08, 2020 | Oct. 27, 2020 | DFS<br>(DFS02-HY) |
| Horn Antenna      | SCHWARZBE<br>CK | BBHA 9120D | 9120D-020<br>38 | 1GHz~18GHz      | Oct. 28, 2019    | Mar. 30, 2020~<br>Apr. 08, 2020 | Oct. 27, 2020 | DFS<br>(DFS02-HY) |

## Appendix A. Radar parameters

Report Number : FZ020114

**DFS Radar Parameters**  
**FCC Radar Type 1**  
**Channel 100 Bandwidth 20MHz**

| Trial # | Pulse Repetition<br>Frequency<br>Number (1 to 23) | Pulse Repetition<br>Frequency<br>(Pulses Per Second) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|---------------------------------------------------|------------------------------------------------------|------------------------------------------------|-------------------------|
| 1       | 22                                                | 1066.10                                              | 938                                            | Y                       |
| 2       | 10                                                | 1432.66                                              | 698                                            | Y                       |
| 3       | 6                                                 | 1618.12                                              | 618                                            | Y                       |
| 4       | 2                                                 | 1858.74                                              | 538                                            | Y                       |
| 5       | 19                                                | 1138.95                                              | 878                                            | Y                       |
| 6       | 12                                                | 326.16                                               | 3066                                           | Y                       |
| 7       | 7                                                 | 1567.40                                              | 638                                            | Y                       |
| 8       | 21                                                | 1089.32                                              | 918                                            | Y                       |
| 9       | 17                                                | 1193.32                                              | 838                                            | Y                       |
| 10      | 18                                                | 1165.50                                              | 858                                            | Y                       |
| 11      | 15                                                | 1253.13                                              | 798                                            | Y                       |
| 12      | 11                                                | 1392.76                                              | 718                                            | Y                       |
| 13      | 4                                                 | 1730.10                                              | 578                                            | Y                       |
| 14      | 5                                                 | 1672.24                                              | 598                                            | Y                       |
| 15      | 3                                                 | 1792.11                                              | 558                                            | Y                       |
| 16      |                                                   | 394.32                                               | 2536                                           | Y                       |
| 17      |                                                   | 1035.20                                              | 966                                            | Y                       |
| 18      |                                                   | 1209.19                                              | 827                                            | Y                       |
| 19      |                                                   | 399.84                                               | 2501                                           | Y                       |
| 20      |                                                   | 385.36                                               | 2595                                           | Y                       |
| 21      |                                                   | 897.67                                               | 1114                                           | Y                       |
| 22      |                                                   | 768.05                                               | 1302                                           | Y                       |
| 23      |                                                   | 328.41                                               | 3045                                           | Y                       |
| 24      |                                                   | 615.76                                               | 1624                                           | Y                       |
| 25      |                                                   | 347.46                                               | 2878                                           | Y                       |
| 26      |                                                   | 973.71                                               | 1027                                           | Y                       |
| 27      |                                                   | 402.41                                               | 2485                                           | Y                       |
| 28      |                                                   | 625.00                                               | 1600                                           | Y                       |
| 29      |                                                   | 853.24                                               | 1172                                           | Y                       |
| 30      |                                                   | 849.62                                               | 1177                                           | Y                       |

**DFS Radar Parameters**  
**FCC Radar Type 2**  
**Channel 100 Bandwidth 20MHz**

| Trial # | Number Pulses per Burst | Pulse Width<br>(Microseconds) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|-------------------------|-------------------------------|------------------------------------------------|-------------------------|
| 1       | 26                      | 3.20                          | 179                                            | Y                       |
| 2       | 23                      | 1.10                          | 207                                            | Y                       |
| 3       | 24                      | 2.10                          | 230                                            | Y                       |
| 4       | 29                      | 4.80                          | 200                                            | Y                       |
| 5       | 28                      | 3.90                          | 214                                            | Y                       |
| 6       | 26                      | 2.90                          | 222                                            | Y                       |
| 7       | 26                      | 3.20                          | 204                                            | Y                       |
| 8       | 25                      | 2.50                          | 192                                            | Y                       |
| 9       | 26                      | 3.10                          | 164                                            | Y                       |
| 10      | 23                      | 1.20                          | 156                                            | Y                       |
| 11      | 27                      | 3.90                          | 210                                            | Y                       |
| 12      | 29                      | 4.60                          | 201                                            | Y                       |
| 13      | 26                      | 3.20                          | 162                                            | Y                       |
| 14      | 25                      | 2.20                          | 197                                            | Y                       |
| 15      | 29                      | 4.50                          | 163                                            | Y                       |
| 16      | 26                      | 3.00                          | 203                                            | Y                       |
| 17      | 29                      | 5.00                          | 168                                            | Y                       |
| 18      | 25                      | 2.40                          | 217                                            | Y                       |
| 19      | 26                      | 2.90                          | 191                                            | Y                       |
| 20      | 25                      | 2.30                          | 166                                            | Y                       |
| 21      | 27                      | 3.70                          | 150                                            | Y                       |
| 22      | 25                      | 2.20                          | 176                                            | Y                       |
| 23      | 29                      | 4.90                          | 195                                            | Y                       |
| 24      | 26                      | 2.90                          | 202                                            | Y                       |
| 25      | 25                      | 2.50                          | 178                                            | Y                       |
| 26      | 23                      | 1.10                          | 206                                            | Y                       |
| 27      | 27                      | 3.80                          | 155                                            | Y                       |
| 28      | 29                      | 4.70                          | 157                                            | Y                       |
| 29      | 25                      | 2.40                          | 224                                            | Y                       |
| 30      | 28                      | 4.20                          | 159                                            | Y                       |

**DFS Radar Parameters**  
**FCC Radar Type 3**  
**Channel 100 Bandwidth 20MHz**

| Trial # | Number Pulses per Burst | Pulse Width<br>(Microseconds) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|-------------------------|-------------------------------|------------------------------------------------|-------------------------|
| 1       | 17                      | 8.20                          | 355                                            | Y                       |
| 2       | 16                      | 6.10                          | 487                                            | Y                       |
| 3       | 16                      | 7.10                          | 344                                            | Y                       |
| 4       | 18                      | 9.80                          | 288                                            | Y                       |
| 5       | 18                      | 8.90                          | 230                                            | Y                       |
| 6       | 17                      | 7.90                          | 432                                            | Y                       |
| 7       | 17                      | 8.20                          | 207                                            | Y                       |
| 8       | 17                      | 7.50                          | 443                                            | Y                       |
| 9       | 17                      | 8.10                          | 439                                            | Y                       |
| 10      | 16                      | 6.20                          | 223                                            | Y                       |
| 11      | 18                      | 8.90                          | 208                                            | Y                       |
| 12      | 18                      | 9.60                          | 463                                            | Y                       |
| 13      | 17                      | 8.20                          | 441                                            | Y                       |
| 14      | 16                      | 7.20                          | 323                                            | Y                       |
| 15      | 18                      | 9.50                          | 297                                            | Y                       |
| 16      | 17                      | 8.00                          | 412                                            | Y                       |
| 17      | 18                      | 10.00                         | 324                                            | Y                       |
| 18      | 17                      | 7.40                          | 271                                            | Y                       |
| 19      | 17                      | 7.90                          | 349                                            | Y                       |
| 20      | 16                      | 7.30                          | 409                                            | Y                       |
| 21      | 18                      | 8.70                          | 373                                            | Y                       |
| 22      | 16                      | 7.20                          | 254                                            | Y                       |
| 23      | 18                      | 9.90                          | 274                                            | Y                       |
| 24      | 17                      | 7.90                          | 278                                            | Y                       |
| 25      | 17                      | 7.50                          | 317                                            | Y                       |
| 26      | 16                      | 6.10                          | 260                                            | Y                       |
| 27      | 18                      | 8.80                          | 211                                            | Y                       |
| 28      | 18                      | 9.70                          | 272                                            | Y                       |
| 29      | 17                      | 7.40                          | 264                                            | Y                       |
| 30      | 18                      | 9.20                          | 284                                            | Y                       |

**DFS Radar Parameters**  
**FCC Radar Type 4**  
**Channel 100 Bandwidth 20MHz**

| Trial # | Number Pulses per Burst | Pulse Width<br>(Microseconds) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|-------------------------|-------------------------------|------------------------------------------------|-------------------------|
| 1       | 14                      | 16.00                         | 355                                            | Y                       |
| 2       | 12                      | 11.30                         | 487                                            | Y                       |
| 3       | 13                      | 13.50                         | 344                                            | Y                       |
| 4       | 16                      | 19.40                         | 288                                            | Y                       |
| 5       | 15                      | 17.50                         | 230                                            | Y                       |
| 6       | 14                      | 15.30                         | 432                                            | Y                       |
| 7       | 14                      | 15.90                         | 207                                            | Y                       |
| 8       | 13                      | 14.30                         | 443                                            | Y                       |
| 9       | 14                      | 15.80                         | 439                                            | Y                       |
| 10      | 12                      | 11.50                         | 223                                            | Y                       |
| 11      | 15                      | 17.40                         | 208                                            | Y                       |
| 12      | 16                      | 19.00                         | 463                                            | Y                       |
| 13      | 14                      | 16.00                         | 441                                            | Y                       |
| 14      | 13                      | 13.80                         | 323                                            | Y                       |
| 15      | 16                      | 18.90                         | 297                                            | Y                       |
| 16      | 14                      | 15.50                         | 412                                            | Y                       |
| 17      | 16                      | 19.90                         | 324                                            | Y                       |
| 18      | 13                      | 14.10                         | 271                                            | Y                       |
| 19      | 14                      | 15.20                         | 349                                            | Y                       |
| 20      | 13                      | 13.80                         | 409                                            | Y                       |
| 21      | 15                      | 17.10                         | 373                                            | Y                       |
| 22      | 13                      | 13.80                         | 254                                            | Y                       |
| 23      | 16                      | 19.80                         | 274                                            | Y                       |
| 24      | 14                      | 15.30                         | 278                                            | Y                       |
| 25      | 13                      | 14.50                         | 317                                            | Y                       |
| 26      | 12                      | 11.30                         | 260                                            | Y                       |
| 27      | 15                      | 17.30                         | 211                                            | Y                       |
| 28      | 16                      | 19.20                         | 272                                            | Y                       |
| 29      | 13                      | 14.20                         | 264                                            | Y                       |
| 30      | 15                      | 18.20                         | 284                                            | Y                       |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 100 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 1                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 15                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5500                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 77.8                              | 13                   | 1477                              | 1665                              | 636185                                         |
| 2                          | 1                   | 51.9                              | 13                   | -                                 | 1074                              | 32674                                          |
| 3                          | 1                   | 63.8                              | 13                   | -                                 | 1584                              | 226294                                         |
| 4                          | 3                   | 96.6                              | 13                   | 1786                              | 1682                              | 417976                                         |
| 5                          | 3                   | 85.9                              | 13                   | 1215                              | 1795                              | 611152                                         |
| 6                          | 2                   | 73.7                              | 13                   | 1549                              | 1198                              | 8789                                           |
| 7                          | 2                   | 77.2                              | 13                   | 1819                              | 1837                              | 201917                                         |
| 8                          | 2                   | 68.4                              | 13                   | 1114                              | 1587                              | 395530                                         |
| 9                          | 2                   | 76.7                              | 13                   | 1155                              | 2000                              | 588564                                         |
| 10                         | 1                   | 53.2                              | 13                   | -                                 | 1147                              | 783794                                         |
| 11                         | 3                   | 85.7                              | 13                   | 1695                              | 1433                              | 177933                                         |
| 12                         | 3                   | 94.3                              | 13                   | 1426                              | 1670                              | 370624                                         |
| 13                         | 2                   | 77.6                              | 13                   | 1671                              | 1294                              | 564893                                         |
| 14                         | 1                   | 65.7                              | 13                   | -                                 | 1512                              | 759583                                         |
| 15                         | 3                   | 93.5                              | 13                   | 1130                              | 1444                              | 154262                                         |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                  |                             | 2                 |                             |                             | Detection<br>(Yes/No)                    |
|----------------------------|------------------|-----------------------------|-------------------|-----------------------------|-----------------------------|------------------------------------------|
| Number of Bursts in Trial: |                  |                             | 8                 |                             |                             |                                          |
| Chirp Center Frequency:    |                  |                             | 5500              |                             |                             | No                                       |
| Burst                      | Number of Pulses | Pulse Width (Microseconds ) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (μsec) | Pulse 2-to-3 Spacing (μsec) | Starting Location Within Interval (μsec) |
| 1                          | 2                | 75                          | 5                 | 1527                        | 1880                        | 653020                                   |
| 2                          | 3                | 99.4                        | 5                 | 1262                        | 1401                        | 1015643                                  |
| 3                          | 2                | 67.4                        | 5                 | 1403                        | 1531                        | 1379398                                  |
| 4                          | 2                | 73.6                        | 5                 | 1041                        | 1449                        | 245489                                   |
| 5                          | 1                | 65.9                        | 5                 | -                           | 1432                        | 609113                                   |
| 6                          | 3                | 83.8                        | 5                 | 1292                        | 1356                        | 970852                                   |
| 7                          | 1                | 65.5                        | 5                 | -                           | 1543                        | 1335913                                  |
| 8                          | 3                | 98.6                        | 5                 | 1796                        | 1548                        | 200406                                   |
| 9                          |                  |                             |                   |                             |                             |                                          |
| 10                         |                  |                             |                   |                             |                             |                                          |
| 11                         |                  |                             |                   |                             |                             |                                          |
| 12                         |                  |                             |                   |                             |                             |                                          |
| 13                         |                  |                             |                   |                             |                             |                                          |
| 14                         |                  |                             |                   |                             |                             |                                          |
| 15                         |                  |                             |                   |                             |                             |                                          |
| 16                         |                  |                             |                   |                             |                             |                                          |
| 17                         |                  |                             |                   |                             |                             |                                          |
| 18                         |                  |                             |                   |                             |                             |                                          |
| 19                         |                  |                             |                   |                             |                             |                                          |
| 20                         |                  |                             |                   |                             |                             |                                          |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 100 Bandwidth 20MHz**

| Trial Number:              |                  |                                | 3                    |                                |                                | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|--------------------------------|--------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 11                   |                                |                                |                                                |
| Chirp Center Frequency:    |                  |                                | 5500                 |                                |                                | Yes                                            |
| Burst                      | Number of Pulses | Pulse Width<br>(Microseconds ) | Chirp Width<br>(MHz) | Pulse 1-to-2 Spacing<br>(μsec) | Pulse 2-to-3 Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                | 73.8                           | 9                    | 1538                           | 1806                           | 409565                                         |
| 2                          | 2                | 69.5                           | 9                    | 1649                           | 1117                           | 673692                                         |
| 3                          | 1                | 51.9                           | 9                    | -                              | 1651                           | 938562                                         |
| 4                          | 3                | 84.6                           | 9                    | 1032                           | 1976                           | 113209                                         |
| 5                          | 3                | 95.4                           | 9                    | 1903                           | 1060                           | 376726                                         |
| 6                          | 2                | 68                             | 9                    | 1351                           | 1368                           | 641212                                         |
| 7                          | 3                | 89.6                           | 9                    | 1514                           | 1338                           | 903714                                         |
| 8                          | 2                | 81.9                           | 9                    | 1689                           | 1022                           | 80863                                          |
| 9                          | 3                | 88.3                           | 9                    | 1330                           | 1810                           | 344067                                         |
| 10                         | 1                | 53.7                           | 9                    | -                              | 1597                           | 609331                                         |
| 11                         | 3                | 91.3                           | 9                    | 1106                           | 1961                           | 871542                                         |
| 12                         |                  |                                |                      |                                |                                |                                                |
| 13                         |                  |                                |                      |                                |                                |                                                |
| 14                         |                  |                                |                      |                                |                                |                                                |
| 15                         |                  |                                |                      |                                |                                |                                                |
| 16                         |                  |                                |                      |                                |                                |                                                |
| 17                         |                  |                                |                      |                                |                                |                                                |
| 18                         |                  |                                |                      |                                |                                |                                                |
| 19                         |                  |                                |                      |                                |                                |                                                |
| 20                         |                  |                                |                      |                                |                                |                                                |

| Trial Number:              |                     |                                   | 4                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 11                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5500                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 68.1                              | 19                   | 1355                              | 1339                              | 26541                                          |
| 2                          | 1                   | 58.7                              | 19                   | -                                 | 1251                              | 171821                                         |
| 3                          | 2                   | 75.3                              | 19                   | 1640                              | 1136                              | 316229                                         |
| 4                          | 1                   | 56.4                              | 19                   | -                                 | 1753                              | 461864                                         |
| 5                          | 3                   | 99.7                              | 19                   | 1708                              | 1196                              | 8677                                           |
| 6                          | 1                   | 57.7                              | 19                   | -                                 | 1013                              | 153995                                         |
| 7                          | 1                   | 59.5                              | 19                   | -                                 | 1072                              | 299238                                         |
| 8                          | 2                   | 80                                | 19                   | 1369                              | 1482                              | 443177                                         |
| 9                          | 2                   | 82                                | 19                   | 1197                              | 1993                              | 587671                                         |
| 10                         | 2                   | 82.8                              | 19                   | 1005                              | 1883                              | 135674                                         |
| 11                         | 3                   | 88                                | 19                   | 1928                              | 1061                              | 279928                                         |
| 12                         | 3                   | 93.2                              | 19                   | 1907                              | 1207                              | 424279                                         |
| 13                         | 2                   | 70.4                              | 19                   | 1360                              | 1526                              | 570132                                         |
| 14                         | 3                   | 95.3                              | 19                   | 1955                              | 1171                              | 117439                                         |
| 15                         | 2                   | 81.9                              | 19                   | 1545                              | 1690                              | 262502                                         |
| 16                         | 3                   | 98.5                              | 19                   | 1169                              | 1975                              | 406573                                         |
| 17                         | 1                   | 65                                | 19                   | -                                 | 1767                              | 553328                                         |
| 18                         | 3                   | 85.4                              | 19                   | 1637                              | 1011                              | 99799                                          |
| 19                         | 3                   | 91.6                              | 19                   | 1445                              | 1878                              | 244095                                         |
| 20                         | 2                   | 67.3                              | 19                   | 1218                              | 1091                              | 390012                                         |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 100 Bandwidth 20MHz**

| Trial Number:              |                  |                                | 5                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 17                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5500                 |                                   |                                   | Yes                                            |
| Burst                      | Number of Pulses | Pulse Width<br>(Microseconds ) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                | 67.9                           | 16                   | 1133                              | 1320                              | 629614                                         |
| 2                          | 1                | 62.3                           | 16                   | -                                 | 1957                              | 96856                                          |
| 3                          | 1                | 53.3                           | 16                   | -                                 | 1592                              | 267719                                         |
| 4                          | 3                | 90                             | 16                   | 1153                              | 1900                              | 436784                                         |
| 5                          | 2                | 77.1                           | 16                   | 1646                              | 1166                              | 608289                                         |
| 6                          | 3                | 83.9                           | 16                   | 1232                              | 1278                              | 75610                                          |
| 7                          | 3                | 89.1                           | 16                   | 1384                              | 1240                              | 245638                                         |
| 8                          | 2                | 81.8                           | 16                   | 1676                              | 1833                              | 416355                                         |
| 9                          | 1                | 50.3                           | 16                   | -                                 | 1075                              | 588736                                         |
| 10                         | 3                | 87.1                           | 16                   | 1996                              | 1116                              | 54571                                          |
| 11                         | 2                | 71.3                           | 16                   | 1815                              | 1225                              | 225175                                         |
| 12                         | 3                | 97.5                           | 16                   | 1465                              | 1884                              | 394825                                         |
| 13                         | 3                | 90.6                           | 16                   | 1040                              | 1561                              | 565361                                         |
| 14                         | 3                | 86.3                           | 16                   | 1183                              | 1596                              | 33643                                          |
| 15                         | 3                | 97.6                           | 16                   | 1073                              | 1365                              | 203957                                         |
| 16                         | 3                | 84.7                           | 16                   | 1718                              | 1021                              | 373812                                         |
| 17                         | 3                | 99.7                           | 16                   | 1244                              | 1150                              | 544060                                         |
| 18                         |                  |                                |                      |                                   |                                   |                                                |
| 19                         |                  |                                |                      |                                   |                                   |                                                |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 6                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 14                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5500                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 92.9                              | 12                   | 1564                              | 1085                              | 15438                                          |
| 2                          | 2                   | 67.7                              | 12                   | 1747                              | 1744                              | 222486                                         |
| 3                          | 1                   | 65.8                              | 12                   | -                                 | 1092                              | 430731                                         |
| 4                          | 1                   | 56.3                              | 12                   | -                                 | 1851                              | 637784                                         |
| 5                          | 1                   | 53.7                              | 12                   | -                                 | 1727                              | 845342                                         |
| 6                          | 3                   | 83.5                              | 12                   | 1930                              | 1679                              | 196720                                         |
| 7                          | 1                   | 65.8                              | 12                   | -                                 | 1519                              | 404955                                         |
| 8                          | 3                   | 85.9                              | 12                   | 1034                              | 1134                              | 610711                                         |
| 9                          | 2                   | 76.3                              | 12                   | 1926                              | 1606                              | 818057                                         |
| 10                         | 2                   | 81.5                              | 12                   | 1714                              | 1891                              | 171459                                         |
| 11                         | 3                   | 89.4                              | 12                   | 1594                              | 1310                              | 377969                                         |
| 12                         | 1                   | 63.4                              | 12                   | -                                 | 1568                              | 586875                                         |
| 13                         | 2                   | 69.6                              | 12                   | 1925                              | 1307                              | 792834                                         |
| 14                         | 2                   | 74.5                              | 12                   | 1846                              | 1264                              | 146044                                         |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 100 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 7                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 15                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5500                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 52.6                              | 10                   | -                                 | 1210                              | 51446                                          |
| 2                          | 3                   | 84.1                              | 10                   | 1725                              | 1314                              | 292696                                         |
| 3                          | 3                   | 97.7                              | 10                   | 1868                              | 1139                              | 533989                                         |
| 4                          | 3                   | 97.3                              | 10                   | 1446                              | 1341                              | 775564                                         |
| 5                          | 3                   | 98.8                              | 10                   | 1386                              | 1544                              | 21542                                          |
| 6                          | 2                   | 72.2                              | 10                   | 1184                              | 1771                              | 263385                                         |
| 7                          | 2                   | 67.6                              | 10                   | 1027                              | 1175                              | 505581                                         |
| 8                          | 2                   | 75.7                              | 10                   | 1871                              | 1026                              | 747058                                         |
| 9                          | 1                   | 60.9                              | 10                   | -                                 | 1798                              | 989976                                         |
| 10                         | 1                   | 64.2                              | 10                   | -                                 | 1138                              | 234024                                         |
| 11                         | 2                   | 78.8                              | 10                   | 1604                              | 1784                              | 475207                                         |
| 12                         | 3                   | 87.5                              | 10                   | 1712                              | 1511                              | 715825                                         |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 8                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5500                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 52.6                              | 10                   | -                                 | 1210                              | 51446                                          |
| 2                          | 3                   | 84.1                              | 10                   | 1725                              | 1314                              | 292696                                         |
| 3                          | 3                   | 97.7                              | 10                   | 1868                              | 1139                              | 533989                                         |
| 4                          | 3                   | 97.3                              | 10                   | 1446                              | 1341                              | 775564                                         |
| 5                          | 3                   | 98.8                              | 10                   | 1386                              | 1544                              | 21542                                          |
| 6                          | 2                   | 72.2                              | 10                   | 1184                              | 1771                              | 263385                                         |
| 7                          | 2                   | 67.6                              | 10                   | 1027                              | 1175                              | 505581                                         |
| 8                          | 2                   | 75.7                              | 10                   | 1871                              | 1026                              | 747058                                         |
| 9                          | 1                   | 60.9                              | 10                   | -                                 | 1798                              | 989976                                         |
| 10                         | 1                   | 64.2                              | 10                   | -                                 | 1138                              | 234024                                         |
| 11                         | 2                   | 78.8                              | 10                   | 1604                              | 1784                              | 475207                                         |
| 12                         | 3                   | 87.5                              | 10                   | 1712                              | 1511                              | 715825                                         |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 100 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 9                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 14                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5500                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 54.1                              | 13                   | -                                 | 1415                              | 823112                                         |
| 2                          | 1                   | 50.7                              | 13                   | -                                 | 1221                              | 174965                                         |
| 3                          | 1                   | 52.3                              | 13                   | -                                 | 1974                              | 382216                                         |
| 4                          | 3                   | 99.8                              | 13                   | 1696                              | 1558                              | 587395                                         |
| 5                          | 2                   | 68.4                              | 13                   | 1099                              | 1014                              | 796897                                         |
| 6                          | 2                   | 80.8                              | 13                   | 1505                              | 1736                              | 149042                                         |
| 7                          | 1                   | 62.5                              | 13                   | -                                 | 1778                              | 356750                                         |
| 8                          | 2                   | 74.8                              | 13                   | 1204                              | 1149                              | 563824                                         |
| 9                          | 1                   | 50.8                              | 13                   | -                                 | 1049                              | 772314                                         |
| 10                         | 1                   | 54                                | 13                   | -                                 | 1417                              | 123796                                         |
| 11                         | 1                   | 63                                | 13                   | -                                 | 1730                              | 331215                                         |
| 12                         | 3                   | 91.8                              | 13                   | 1270                              | 1143                              | 537402                                         |
| 13                         | 2                   | 79.3                              | 13                   | 1992                              | 1274                              | 744805                                         |
| 14                         | 1                   | 64.3                              | 13                   | -                                 | 1937                              | 98172                                          |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                  |                                | 10                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 8                    |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5500                 |                                   |                                   | No                                             |
| Burst                      | Number of Pulses | Pulse Width<br>(Microseconds ) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                | 63.4                           | 6                    | -                                 | 1043                              | 535615                                         |
| 2                          | 1                | 52                             | 6                    | -                                 | 1863                              | 898668                                         |
| 3                          | 3                | 97.2                           | 6                    | 1605                              | 1973                              | 1259235                                        |
| 4                          | 2                | 78.7                           | 6                    | 1743                              | 1466                              | 127106                                         |
| 5                          | 2                | 74.2                           | 6                    | 1219                              | 1280                              | 490358                                         |
| 6                          | 3                | 88.7                           | 6                    | 1934                              | 1293                              | 852409                                         |
| 7                          | 1                | 54.3                           | 6                    | -                                 | 1991                              | 1217152                                        |
| 8                          | 3                | 95.4                           | 6                    | 1555                              | 1580                              | 82296                                          |
| 9                          |                  |                                |                      |                                   |                                   |                                                |
| 10                         |                  |                                |                      |                                   |                                   |                                                |
| 11                         |                  |                                |                      |                                   |                                   |                                                |
| 12                         |                  |                                |                      |                                   |                                   |                                                |
| 13                         |                  |                                |                      |                                   |                                   |                                                |
| 14                         |                  |                                |                      |                                   |                                   |                                                |
| 15                         |                  |                                |                      |                                   |                                   |                                                |
| 16                         |                  |                                |                      |                                   |                                   |                                                |
| 17                         |                  |                                |                      |                                   |                                   |                                                |
| 18                         |                  |                                |                      |                                   |                                   |                                                |
| 19                         |                  |                                |                      |                                   |                                   |                                                |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 100 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 11                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 17                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5497                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 73.7                              | 16                   | 1497                              | 1208                              | 209249                                         |
| 2                          | 3                   | 97.4                              | 16                   | 1754                              | 1942                              | 378386                                         |
| 3                          | 3                   | 91.7                              | 16                   | 1702                              | 1999                              | 548411                                         |
| 4                          | 1                   | 66.2                              | 16                   | -                                 | 1393                              | 17733                                          |
| 5                          | 2                   | 70.8                              | 16                   | 1821                              | 1968                              | 187952                                         |
| 6                          | 1                   | 52.3                              | 16                   | -                                 | 1740                              | 359277                                         |
| 7                          | 2                   | 78.9                              | 16                   | 1984                              | 1308                              | 528886                                         |
| 8                          | 2                   | 70.9                              | 16                   | 1358                              | 1050                              | 700166                                         |
| 9                          | 2                   | 75.6                              | 16                   | 1430                              | 1437                              | 167197                                         |
| 10                         | 1                   | 59.1                              | 16                   | -                                 | 1697                              | 338262                                         |
| 11                         | 2                   | 77                                | 16                   | 1304                              | 1397                              | 508324                                         |
| 12                         | 2                   | 67.9                              | 16                   | 1083                              | 1803                              | 678689                                         |
| 13                         | 2                   | 81.2                              | 16                   | 1932                              | 1720                              | 146031                                         |
| 14                         | 2                   | 78.7                              | 16                   | 1121                              | 1247                              | 316923                                         |
| 15                         | 1                   | 63.3                              | 16                   | -                                 | 1634                              | 488056                                         |
| 16                         | 2                   | 68.9                              | 16                   | 1423                              | 1849                              | 657326                                         |
| 17                         | 1                   | 59.3                              | 16                   | -                                 | 1093                              | 125509                                         |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 12                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 19                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5499                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 98.9                              | 19                   | 1680                              | 1381                              | 263736                                         |
| 2                          | 2                   | 82.3                              | 19                   | 1855                              | 1716                              | 416459                                         |
| 3                          | 3                   | 86.7                              | 19                   | 1400                              | 1211                              | 567902                                         |
| 4                          | 3                   | 89.7                              | 19                   | 1068                              | 1861                              | 92979                                          |
| 5                          | 3                   | 98.6                              | 19                   | 1194                              | 1507                              | 245155                                         |
| 6                          | 2                   | 71.1                              | 19                   | 1789                              | 1921                              | 397609                                         |
| 7                          | 1                   | 55.9                              | 19                   | -                                 | 1947                              | 551431                                         |
| 8                          | 2                   | 67.9                              | 19                   | 1372                              | 1350                              | 74413                                          |
| 9                          | 3                   | 84.4                              | 19                   | 1107                              | 1203                              | 226559                                         |
| 10                         | 1                   | 58.8                              | 19                   | -                                 | 1715                              | 380056                                         |
| 11                         | 1                   | 65.6                              | 19                   | -                                 | 1017                              | 533408                                         |
| 12                         | 2                   | 78.5                              | 19                   | 1704                              | 1911                              | 55547                                          |
| 13                         | 2                   | 82.3                              | 19                   | 1686                              | 1845                              | 207876                                         |
| 14                         | 3                   | 90.1                              | 19                   | 1071                              | 1938                              | 359771                                         |
| 15                         | 3                   | 90.2                              | 19                   | 1089                              | 1989                              | 511297                                         |
| 16                         | 2                   | 83.1                              | 19                   | 1406                              | 1943                              | 36803                                          |
| 17                         | 1                   | 58.8                              | 19                   | -                                 | 1742                              | 189652                                         |
| 18                         | 2                   | 77                                | 19                   | 1657                              | 1187                              | 341809                                         |
| 19                         | 1                   | 55                                | 19                   | -                                 | 1012                              | 495737                                         |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 100 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 13                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 15                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5496                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 58.1                              | 13                   | -                                 | 1929                              | 22911                                          |
| 2                          | 1                   | 52.1                              | 13                   | -                                 | 1910                              | 216473                                         |
| 3                          | 1                   | 59.9                              | 13                   | -                                 | 1971                              | 410004                                         |
| 4                          | 1                   | 60.2                              | 13                   | -                                 | 1812                              | 603671                                         |
| 5                          | 3                   | 95.9                              | 13                   | 1906                              | 1399                              | 794160                                         |
| 6                          | 2                   | 79.9                              | 13                   | 1859                              | 1626                              | 192251                                         |
| 7                          | 2                   | 78.5                              | 13                   | 1917                              | 1238                              | 385590                                         |
| 8                          | 1                   | 53.8                              | 13                   | -                                 | 1763                              | 579862                                         |
| 9                          | 1                   | 64.7                              | 13                   | -                                 | 1800                              | 773423                                         |
| 10                         | 1                   | 61.4                              | 13                   | -                                 | 1390                              | 168898                                         |
| 11                         | 2                   | 83.2                              | 13                   | 1858                              | 1692                              | 361606                                         |
| 12                         | 3                   | 84.7                              | 13                   | 1677                              | 1533                              | 553866                                         |
| 13                         | 3                   | 88.7                              | 13                   | 1528                              | 1703                              | 747241                                         |
| 14                         | 2                   | 78.3                              | 13                   | 1951                              | 1258                              | 144710                                         |
| 15                         | 2                   | 69.3                              | 13                   | 1717                              | 1731                              | 337856                                         |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                  |                                | 14                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5495                 |                                   |                                   | Yes                                            |
| Burst                      | Number of Pulses | Pulse Width<br>(Microseconds ) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                | 75.3                           | 10                   | 1612                              | 1994                              | 664275                                         |
| 2                          | 1                | 56.3                           | 10                   | -                                 | 1456                              | 907886                                         |
| 3                          | 2                | 67.7                           | 10                   | 1185                              | 1617                              | 151316                                         |
| 4                          | 1                | 55.6                           | 10                   | -                                 | 1337                              | 393746                                         |
| 5                          | 2                | 75.2                           | 10                   | 1267                              | 1421                              | 635093                                         |
| 6                          | 2                | 76.3                           | 10                   | 1305                              | 1359                              | 876993                                         |
| 7                          | 3                | 85.7                           | 10                   | 1362                              | 1547                              | 121278                                         |
| 8                          | 3                | 98.4                           | 10                   | 1550                              | 1873                              | 362696                                         |
| 9                          | 3                | 86.4                           | 10                   | 1439                              | 1779                              | 604342                                         |
| 10                         | 3                | 93.6                           | 10                   | 1031                              | 1059                              | 846453                                         |
| 11                         | 1                | 63.3                           | 10                   | -                                 | 1328                              | 91871                                          |
| 12                         | 3                | 92.4                           | 10                   | 1673                              | 1412                              | 333050                                         |
| 13                         |                  |                                |                      |                                   |                                   |                                                |
| 14                         |                  |                                |                      |                                   |                                   |                                                |
| 15                         |                  |                                |                      |                                   |                                   |                                                |
| 16                         |                  |                                |                      |                                   |                                   |                                                |
| 17                         |                  |                                |                      |                                   |                                   |                                                |
| 18                         |                  |                                |                      |                                   |                                   |                                                |
| 19                         |                  |                                |                      |                                   |                                   |                                                |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 100 Bandwidth 20MHz**

| Trial Number:              |                  |                                | 15                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 19                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5498                 |                                   |                                   | Yes                                            |
| Burst                      | Number of Pulses | Pulse Width<br>(Microseconds ) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                | 93.3                           | 18                   | 1912                              | 1983                              | 361323                                         |
| 2                          | 2                | 69.1                           | 18                   | 1794                              | 1102                              | 515261                                         |
| 3                          | 3                | 86.9                           | 18                   | 1152                              | 1044                              | 39025                                          |
| 4                          | 3                | 84.9                           | 18                   | 1948                              | 1894                              | 190900                                         |
| 5                          | 2                | 72.3                           | 18                   | 1916                              | 1094                              | 343941                                         |
| 6                          | 1                | 51.7                           | 18                   | -                                 | 1447                              | 497624                                         |
| 7                          | 1                | 58.3                           | 18                   | -                                 | 1429                              | 20319                                          |
| 8                          | 1                | 60.8                           | 18                   | -                                 | 1979                              | 172999                                         |
| 9                          | 1                | 57.1                           | 18                   | -                                 | 1641                              | 325872                                         |
| 10                         | 3                | 88.9                           | 18                   | 1964                              | 1886                              | 475841                                         |
| 11                         | 2                | 72                             | 18                   | 1297                              | 1909                              | 1489                                           |
| 12                         | 3                | 90.9                           | 18                   | 1566                              | 1261                              | 153647                                         |
| 13                         | 1                | 59.8                           | 18                   | -                                 | 1552                              | 307096                                         |
| 14                         | 2                | 70                             | 18                   | 1291                              | 1759                              | 458804                                         |
| 15                         | 2                | 67.2                           | 18                   | 1881                              | 1625                              | 610798                                         |
| 16                         | 3                | 91.2                           | 18                   | 1832                              | 1382                              | 134759                                         |
| 17                         | 1                | 56.5                           | 18                   | -                                 | 1483                              | 288306                                         |
| 18                         | 1                | 51.2                           | 18                   | -                                 | 1237                              | 441296                                         |
| 19                         | 2                | 74.1                           | 18                   | 1245                              | 1471                              | 592780                                         |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 16                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 14                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5496                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 76.9                              | 12                   | 1140                              | 1110                              | 158286                                         |
| 2                          | 1                   | 50.2                              | 12                   | -                                 | 1316                              | 366024                                         |
| 3                          | 1                   | 62.9                              | 12                   | -                                 | 1520                              | 573452                                         |
| 4                          | 1                   | 64.7                              | 12                   | -                                 | 1902                              | 780619                                         |
| 5                          | 3                   | 83.8                              | 12                   | 1097                              | 1410                              | 132455                                         |
| 6                          | 1                   | 65.4                              | 12                   | -                                 | 1944                              | 340207                                         |
| 7                          | 1                   | 53.2                              | 12                   | -                                 | 1024                              | 548208                                         |
| 8                          | 1                   | 51.7                              | 12                   | -                                 | 1603                              | 755333                                         |
| 9                          | 2                   | 78.7                              | 12                   | 1168                              | 1804                              | 107117                                         |
| 10                         | 2                   | 72.4                              | 12                   | 1343                              | 1030                              | 314500                                         |
| 11                         | 1                   | 53.8                              | 12                   | -                                 | 1327                              | 522447                                         |
| 12                         | 2                   | 73.6                              | 12                   | 1553                              | 1524                              | 728517                                         |
| 13                         | 2                   | 66.7                              | 12                   | 1122                              | 1722                              | 81611                                          |
| 14                         | 2                   | 82.5                              | 12                   | 1019                              | 1404                              | 288948                                         |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 100 Bandwidth 20MHz**

| Trial Number:              |                  |                                | 17                   |                                |                                | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|--------------------------------|--------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 20                   |                                |                                |                                                |
| Chirp Center Frequency:    |                  |                                | 5499                 |                                |                                | Yes                                            |
| Burst                      | Number of Pulses | Pulse Width<br>(Microseconds ) | Chirp Width<br>(MHz) | Pulse 1-to-2 Spacing<br>(μsec) | Pulse 2-to-3 Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                | 87.6                           | 20                   | 1055                           | 1565                           | 345766                                         |
| 2                          | 3                | 85.2                           | 20                   | 1541                           | 1735                           | 490019                                         |
| 3                          | 3                | 84.8                           | 20                   | 1889                           | 1534                           | 39073                                          |
| 4                          | 2                | 77.9                           | 20                   | 1460                           | 1749                           | 183923                                         |
| 5                          | 2                | 76.5                           | 20                   | 1485                           | 1518                           | 328777                                         |
| 6                          | 1                | 60.9                           | 20                   | -                              | 1540                           | 474728                                         |
| 7                          | 2                | 83                             | 20                   | 1010                           | 1080                           | 21394                                          |
| 8                          | 2                | 80.4                           | 20                   | 1752                           | 1824                           | 165992                                         |
| 9                          | 2                | 67.5                           | 20                   | 1181                           | 1764                           | 310973                                         |
| 10                         | 1                | 62.1                           | 20                   | -                              | 1495                           | 456884                                         |
| 11                         | 3                | 86.4                           | 20                   | 1966                           | 1773                           | 3515                                           |
| 12                         | 3                | 84.3                           | 20                   | 1188                           | 1593                           | 147928                                         |
| 13                         | 2                | 76.9                           | 20                   | 1537                           | 1226                           | 293225                                         |
| 14                         | 3                | 95.8                           | 20                   | 1298                           | 1192                           | 436922                                         |
| 15                         | 1                | 55.2                           | 20                   | -                              | 1644                           | 584015                                         |
| 16                         | 1                | 59                             | 20                   | -                              | 1402                           | 130832                                         |
| 17                         | 3                | 94.5                           | 20                   | 1700                           | 1296                           | 274684                                         |
| 18                         | 3                | 91.9                           | 20                   | 1978                           | 1970                           | 418579                                         |
| 19                         | 3                | 85.2                           | 20                   | 1551                           | 1732                           | 563464                                         |
| 20                         | 2                | 69.5                           | 20                   | 1224                           | 1038                           | 112787                                         |

| Trial Number:              |                     |                                   | 18                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5495                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 86.4                              | 10                   | 1918                              | 1259                              | 429224                                         |
| 2                          | 3                   | 92.2                              | 10                   | 1719                              | 1598                              | 670241                                         |
| 3                          | 2                   | 80.4                              | 10                   | 1899                              | 1816                              | 912880                                         |
| 4                          | 1                   | 54.3                              | 10                   | -                                 | 1335                              | 158603                                         |
| 5                          | 1                   | 53.1                              | 10                   | -                                 | 1303                              | 400824                                         |
| 6                          | 2                   | 69.4                              | 10                   | 1546                              | 1503                              | 641915                                         |
| 7                          | 2                   | 69.1                              | 10                   | 1639                              | 1279                              | 883823                                         |
| 8                          | 3                   | 100                               | 10                   | 1438                              | 1375                              | 128373                                         |
| 9                          | 2                   | 79.6                              | 10                   | 1705                              | 1239                              | 370379                                         |
| 10                         | 3                   | 88.4                              | 10                   | 1579                              | 1374                              | 611194                                         |
| 11                         | 1                   | 53.3                              | 10                   | -                                 | 1016                              | 855665                                         |
| 12                         | 1                   | 65.3                              | 10                   | -                                 | 1709                              | 98897                                          |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 100 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 19                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 14                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5496                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 55.3                              | 12                   | -                                 | 1920.000                          | 292143                                         |
| 2                          | 1                   | 58.3                              | 12                   | -                                 | 1797.000                          | 499633                                         |
| 3                          | 2                   | 72.3                              | 12                   | 1039.000                          | 1610.000                          | 706377                                         |
| 4                          | 3                   | 84.8                              | 12                   | 1761.000                          | 1131.000                          | 58989                                          |
| 5                          | 2                   | 82.5                              | 12                   | 1431.000                          | 1875.000                          | 266161                                         |
| 6                          | 1                   | 63.3                              | 12                   | -                                 | 1095.000                          | 474469                                         |
| 7                          | 2                   | 80                                | 12                   | 1913.000                          | 1119.000                          | 680544                                         |
| 8                          | 3                   | 90.3                              | 12                   | 1853.000                          | 1660.000                          | 33519                                          |
| 9                          | 3                   | 91.1                              | 12                   | 1783.000                          | 1539.000                          | 240319                                         |
| 10                         | 3                   | 96.6                              | 12                   | 1036.000                          | 1525.000                          | 447400                                         |
| 11                         | 2                   | 82.7                              | 12                   | 1990.000                          | 1710.000                          | 654516                                         |
| 12                         | 1                   | 50.7                              | 12                   | -                                 | 1234.000                          | 8083                                           |
| 13                         | 2                   | 78.4                              | 12                   | 1109.000                          | 1047.000                          | 215435                                         |
| 14                         | 3                   | 99.5                              | 12                   | 1965.000                          | 1299.000                          | 421325                                         |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 20                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5495                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 88.6                              | 10                   | 1067                              | 1501                              | 733725                                         |
| 2                          | 1                   | 57.4                              | 10                   | -                                 | 1723                              | 977882                                         |
| 3                          | 3                   | 96.6                              | 10                   | 1658                              | 1086                              | 221197                                         |
| 4                          | 2                   | 69.7                              | 10                   | 1945                              | 1751                              | 462915                                         |
| 5                          | 2                   | 77.9                              | 10                   | 1317                              | 1642                              | 705071                                         |
| 6                          | 1                   | 62                                | 10                   | -                                 | 1866                              | 947923                                         |
| 7                          | 3                   | 88.4                              | 10                   | 1077                              | 1997                              | 191373                                         |
| 8                          | 3                   | 97.3                              | 10                   | 1896                              | 1790                              | 432561                                         |
| 9                          | 3                   | 96.2                              | 10                   | 1787                              | 1391                              | 674004                                         |
| 10                         | 3                   | 95.4                              | 10                   | 1892                              | 1020                              | 915842                                         |
| 11                         | 1                   | 54.8                              | 10                   | -                                 | 1084                              | 162176                                         |
| 12                         | 2                   | 80.4                              | 10                   | 1436                              | 1850                              | 403553                                         |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 100 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 21                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 16                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5503                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 74.7                              | 15                   | 1611                              | 1619                              | 483470                                         |
| 2                          | 1                   | 57.1                              | 15                   | -                                 | 1560                              | 666072                                         |
| 3                          | 3                   | 91.9                              | 15                   | 1475                              | 1392                              | 98810                                          |
| 4                          | 2                   | 83.1                              | 15                   | 1772                              | 1809                              | 279914                                         |
| 5                          | 1                   | 50.7                              | 15                   | -                                 | 1003                              | 462536                                         |
| 6                          | 2                   | 79.2                              | 15                   | 1600                              | 1574                              | 642324                                         |
| 7                          | 1                   | 58.7                              | 15                   | -                                 | 1186                              | 76831                                          |
| 8                          | 2                   | 71                                | 15                   | 1567                              | 1521                              | 257785                                         |
| 9                          | 2                   | 79                                | 15                   | 1960                              | 1777                              | 438554                                         |
| 10                         | 2                   | 68.5                              | 15                   | 1428                              | 1284                              | 620397                                         |
| 11                         | 2                   | 73.5                              | 15                   | 1352                              | 1904                              | 54310                                          |
| 12                         | 2                   | 70.5                              | 15                   | 1115                              | 1864                              | 235506                                         |
| 13                         | 2                   | 76.6                              | 15                   | 1300                              | 1045                              | 417036                                         |
| 14                         | 2                   | 81.2                              | 15                   | 1675                              | 1160                              | 597974                                         |
| 15                         | 1                   | 61.8                              | 15                   | -                                 | 1277                              | 32086                                          |
| 16                         | 3                   | 94.9                              | 15                   | 1206                              | 1450                              | 212751                                         |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 22                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5505                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 78.5                              | 9                    | 1698                              | 1653                              | 526149                                         |
| 2                          | 3                   | 89.8                              | 9                    | 1962                              | 1174                              | 767135                                         |
| 3                          | 1                   | 59.4                              | 9                    | -                                 | 1982                              | 12955                                          |
| 4                          | 2                   | 79.6                              | 9                    | 1890                              | 1633                              | 254612                                         |
| 5                          | 2                   | 76                                | 9                    | 1811                              | 1112                              | 496588                                         |
| 6                          | 1                   | 53.6                              | 9                    | -                                 | 1144                              | 739728                                         |
| 7                          | 2                   | 80.9                              | 9                    | 1053                              | 1220                              | 980872                                         |
| 8                          | 1                   | 61.6                              | 9                    | -                                 | 1724                              | 225249                                         |
| 9                          | 1                   | 53.4                              | 9                    | -                                 | 1901                              | 467279                                         |
| 10                         | 1                   | 59.9                              | 9                    | -                                 | 1379                              | 709720                                         |
| 11                         | 1                   | 60.4                              | 9                    | -                                 | 1453                              | 951847                                         |
| 12                         | 3                   | 91.4                              | 9                    | 1726                              | 1768                              | 194839                                         |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 100 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 23                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 20                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5501                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 77                                | 20                   | 1363                              | 1191                              | 261858                                         |
| 2                          | 1                   | 58.1                              | 20                   | -                                 | 1248                              | 407646                                         |
| 3                          | 1                   | 62.1                              | 20                   | -                                 | 1836                              | 552319                                         |
| 4                          | 2                   | 76.9                              | 20                   | 1236                              | 1334                              | 99107                                          |
| 5                          | 2                   | 80                                | 20                   | 1852                              | 1914                              | 243514                                         |
| 6                          | 1                   | 52                                | 20                   | -                                 | 1701                              | 389464                                         |
| 7                          | 3                   | 88.6                              | 20                   | 1995                              | 1693                              | 531093                                         |
| 8                          | 2                   | 72.9                              | 20                   | 1387                              | 1922                              | 81159                                          |
| 9                          | 3                   | 98.5                              | 20                   | 1746                              | 1839                              | 225245                                         |
| 10                         | 1                   | 57.9                              | 20                   | -                                 | 1193                              | 371906                                         |
| 11                         | 3                   | 95.9                              | 20                   | 1870                              | 1659                              | 514197                                         |
| 12                         | 1                   | 53.5                              | 20                   | -                                 | 1162                              | 63561                                          |
| 13                         | 3                   | 92                                | 20                   | 1654                              | 1745                              | 207510                                         |
| 14                         | 1                   | 57.3                              | 20                   | -                                 | 1834                              | 353638                                         |
| 15                         | 2                   | 70.5                              | 20                   | 1586                              | 1684                              | 497515                                         |
| 16                         | 2                   | 70                                | 20                   | 1664                              | 1042                              | 45553                                          |
| 17                         | 3                   | 84                                | 20                   | 1630                              | 1765                              | 189821                                         |
| 18                         | 2                   | 76.1                              | 20                   | 1057                              | 1557                              | 335330                                         |
| 19                         | 3                   | 93.2                              | 20                   | 1018                              | 1985                              | 478825                                         |
| 20                         | 3                   | 96.8                              | 20                   | 1614                              | 1760                              | 27594                                          |

| Trial Number:              |                  |                                | 24                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 14                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5504                 |                                   |                                   | Yes                                            |
| Burst                      | Number of Pulses | Pulse Width<br>(Microseconds ) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                | 50.1                           | 12                   | -                                 | 1841                              | 247117                                         |
| 2                          | 3                | 93.5                           | 12                   | 1081                              | 1590                              | 453362                                         |
| 3                          | 2                | 68.8                           | 12                   | 1577                              | 1707                              | 660875                                         |
| 4                          | 1                | 56.3                           | 12                   | -                                 | 1056                              | 14140                                          |
| 5                          | 3                | 86                             | 12                   | 1108                              | 1953                              | 220734                                         |
| 6                          | 2                | 75.2                           | 12                   | 1536                              | 1572                              | 428367                                         |
| 7                          | 1                | 54.4                           | 12                   | -                                 | 1517                              | 636681                                         |
| 8                          | 2                | 71.1                           | 12                   | 1243                              | 1329                              | 843157                                         |
| 9                          | 2                | 76.2                           | 12                   | 1770                              | 1940                              | 195585                                         |
| 10                         | 2                | 80.2                           | 12                   | 1209                              | 1098                              | 403231                                         |
| 11                         | 2                | 79.7                           | 12                   | 1214                              | 1588                              | 610202                                         |
| 12                         | 3                | 90.9                           | 12                   | 1862                              | 1615                              | 815229                                         |
| 13                         | 2                | 68.7                           | 12                   | 1441                              | 1377                              | 170267                                         |
| 14                         | 2                | 67.4                           | 12                   | 1313                              | 1872                              | 377306                                         |
| 15                         |                  |                                |                      |                                   |                                   |                                                |
| 16                         |                  |                                |                      |                                   |                                   |                                                |
| 17                         |                  |                                |                      |                                   |                                   |                                                |
| 18                         |                  |                                |                      |                                   |                                   |                                                |
| 19                         |                  |                                |                      |                                   |                                   |                                                |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 100 Bandwidth 20MHz**

| Trial Number:              |                  |                                | 25                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 13                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5505                 |                                   |                                   | Yes                                            |
| Burst                      | Number of Pulses | Pulse Width<br>(Microseconds ) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                | 94                             | 11                   | 1748                              | 1643                              | 628071                                         |
| 2                          | 2                | 70.8                           | 11                   | 1201                              | 1177                              | 853391                                         |
| 3                          | 1                | 56.3                           | 11                   | -                                 | 1006                              | 156223                                         |
| 4                          | 3                | 96.7                           | 11                   | 1163                              | 1230                              | 378734                                         |
| 5                          | 3                | 90.6                           | 11                   | 1582                              | 1217                              | 601331                                         |
| 6                          | 2                | 74.5                           | 11                   | 1281                              | 1569                              | 825462                                         |
| 7                          | 3                | 92.6                           | 11                   | 1669                              | 1065                              | 128265                                         |
| 8                          | 3                | 89                             | 11                   | 1135                              | 1493                              | 351161                                         |
| 9                          | 3                | 96.5                           | 11                   | 1822                              | 1607                              | 573425                                         |
| 10                         | 2                | 70.5                           | 11                   | 1178                              | 1141                              | 798431                                         |
| 11                         | 3                | 94                             | 11                   | 1629                              | 1009                              | 100737                                         |
| 12                         | 1                | 55.8                           | 11                   | -                                 | 1290                              | 324661                                         |
| 13                         | 3                | 87.7                           | 11                   | 1963                              | 1435                              | 546278                                         |
| 14                         |                  |                                |                      |                                   |                                   |                                                |
| 15                         |                  |                                |                      |                                   |                                   |                                                |
| 16                         |                  |                                |                      |                                   |                                   |                                                |
| 17                         |                  |                                |                      |                                   |                                   |                                                |
| 18                         |                  |                                |                      |                                   |                                   |                                                |
| 19                         |                  |                                |                      |                                   |                                   |                                                |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 26                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 8                    |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5507                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 68.6                              | 5                    | 1161                              | 1306                              | 1253842                                        |
| 2                          | 2                   | 83.1                              | 5                    | 1315                              | 1420                              | 119486                                         |
| 3                          | 1                   | 60.9                              | 5                    | -                                 | 1687                              | 482958                                         |
| 4                          | 2                   | 77.7                              | 5                    | 1158                              | 1776                              | 845641                                         |
| 5                          | 2                   | 77.4                              | 5                    | 1510                              | 1793                              | 1208428                                        |
| 6                          | 2                   | 66.8                              | 5                    | 1323                              | 1576                              | 74748                                          |
| 7                          | 1                   | 63.7                              | 5                    | -                                 | 1333                              | 438300                                         |
| 8                          | 3                   | 91.2                              | 5                    | 1681                              | 1409                              | 800152                                         |
| 9                          |                     |                                   |                      |                                   |                                   |                                                |
| 10                         |                     |                                   |                      |                                   |                                   |                                                |
| 11                         |                     |                                   |                      |                                   |                                   |                                                |
| 12                         |                     |                                   |                      |                                   |                                   |                                                |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 100 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 27                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 17                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5503                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 83.6                              | 16                   | 1195                              | 1632                              | 545865                                         |
| 2                          | 3                   | 89.4                              | 16                   | 1627                              | 1173                              | 14067                                          |
| 3                          | 1                   | 55.8                              | 16                   | -                                 | 1532                              | 184953                                         |
| 4                          | 3                   | 90.9                              | 16                   | 1554                              | 1981                              | 353759                                         |
| 5                          | 1                   | 54.7                              | 16                   | -                                 | 1825                              | 526388                                         |
| 6                          | 3                   | 97.7                              | 16                   | 1202                              | 1734                              | 694806                                         |
| 7                          | 2                   | 67.5                              | 16                   | 1434                              | 1571                              | 163568                                         |
| 8                          | 3                   | 96.7                              | 16                   | 1469                              | 1589                              | 333410                                         |
| 9                          | 2                   | 68.3                              | 16                   | 1954                              | 1750                              | 504006                                         |
| 10                         | 2                   | 78.3                              | 16                   | 1082                              | 1591                              | 675297                                         |
| 11                         | 1                   | 55                                | 16                   | -                                 | 1427                              | 142890                                         |
| 12                         | 3                   | 84.9                              | 16                   | 1936                              | 1129                              | 312479                                         |
| 13                         | 2                   | 74.6                              | 16                   | 1856                              | 1959                              | 482953                                         |
| 14                         | 1                   | 63.3                              | 16                   | -                                 | 1885                              | 655022                                         |
| 15                         | 3                   | 99.8                              | 16                   | 1515                              | 1035                              | 121457                                         |
| 16                         | 1                   | 63.6                              | 16                   | -                                 | 1647                              | 292606                                         |
| 17                         | 3                   | 87.3                              | 16                   | 1051                              | 1931                              | 461322                                         |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 28                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 19                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5501                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 85.6                              | 19                   | 1078                              | 1946                              | 565136                                         |
| 2                          | 2                   | 68.6                              | 19                   | 1780                              | 1029                              | 89970                                          |
| 3                          | 1                   | 54.2                              | 19                   | -                                 | 1111                              | 243121                                         |
| 4                          | 1                   | 61.2                              | 19                   | -                                 | 1104                              | 396034                                         |
| 5                          | 3                   | 97.1                              | 19                   | 1969                              | 1157                              | 546225                                         |
| 6                          | 3                   | 98.3                              | 19                   | 1699                              | 1142                              | 70998                                          |
| 7                          | 1                   | 62.4                              | 19                   | -                                 | 1655                              | 224093                                         |
| 8                          | 2                   | 80.2                              | 19                   | 1769                              | 1126                              | 376127                                         |
| 9                          | 3                   | 87.5                              | 19                   | 1448                              | 1216                              | 527806                                         |
| 10                         | 3                   | 85.8                              | 19                   | 1348                              | 1847                              | 52247                                          |
| 11                         | 3                   | 88.1                              | 19                   | 1124                              | 1023                              | 204582                                         |
| 12                         | 1                   | 65.3                              | 19                   | -                                 | 1848                              | 357941                                         |
| 13                         | 1                   | 52.5                              | 19                   | -                                 | 1470                              | 510977                                         |
| 14                         | 1                   | 52.3                              | 19                   | -                                 | 1312                              | 33698                                          |
| 15                         | 2                   | 74.1                              | 19                   | 1200                              | 1915                              | 186023                                         |
| 16                         | 1                   | 54.9                              | 19                   | -                                 | 1479                              | 339327                                         |
| 17                         | 2                   | 76.2                              | 19                   | 1502                              | 1376                              | 491053                                         |
| 18                         | 1                   | 60.4                              | 19                   | -                                 | 1758                              | 14858                                          |
| 19                         | 2                   | 81.5                              | 19                   | 1103                              | 1491                              | 167387                                         |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 100 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 29                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5505                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 50.5                              | 10                   | -                                 | 1857                              | 507709                                         |
| 2                          | 1                   | 55.7                              | 10                   | -                                 | 1246                              | 750249                                         |
| 3                          | 3                   | 85.8                              | 10                   | 1002                              | 1774                              | 989003                                         |
| 4                          | 2                   | 76.9                              | 10                   | 1474                              | 1125                              | 235634                                         |
| 5                          | 2                   | 75.1                              | 10                   | 1052                              | 1254                              | 477675                                         |
| 6                          | 3                   | 92.3                              | 10                   | 1486                              | 1180                              | 718312                                         |
| 7                          | 2                   | 78.1                              | 10                   | 1757                              | 1301                              | 960895                                         |
| 8                          | 3                   | 92.2                              | 10                   | 1252                              | 1898                              | 205370                                         |
| 9                          | 3                   | 89                                | 10                   | 1706                              | 1260                              | 446940                                         |
| 10                         | 2                   | 70.9                              | 10                   | 1620                              | 1578                              | 689225                                         |
| 11                         | 1                   | 63.1                              | 10                   | -                                 | 1782                              | 932305                                         |
| 12                         | 1                   | 55.3                              | 10                   | -                                 | 1522                              | 176231                                         |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                  |                                | 30                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 18                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5502                 |                                   |                                   | Yes                                            |
| Burst                      | Number of Pulses | Pulse Width<br>(Microseconds ) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                | 83.4                           | 17                   | 1205                              | 1454                              | 277485                                         |
| 2                          | 3                | 97.3                           | 17                   | 1826                              | 1319                              | 437880                                         |
| 3                          | 3                | 90.4                           | 17                   | 1986                              | 1079                              | 598445                                         |
| 4                          | 3                | 91.8                           | 17                   | 1151                              | 1563                              | 97088                                          |
| 5                          | 3                | 98.2                           | 17                   | 1977                              | 1876                              | 257251                                         |
| 6                          | 1                | 59.5                           | 17                   | -                                 | 1952                              | 419893                                         |
| 7                          | 2                | 80                             | 17                   | 1137                              | 1253                              | 580724                                         |
| 8                          | 3                | 86.5                           | 17                   | 1128                              | 1054                              | 77366                                          |
| 9                          | 3                | 91.1                           | 17                   | 1599                              | 1105                              | 238032                                         |
| 10                         | 3                | 93.5                           | 17                   | 1373                              | 1867                              | 398605                                         |
| 11                         | 1                | 60.7                           | 17                   | -                                 | 1033                              | 562025                                         |
| 12                         | 2                | 67.2                           | 17                   | 1405                              | 1288                              | 57684                                          |
| 13                         | 1                | 61.8                           | 17                   | -                                 | 1585                              | 219083                                         |
| 14                         | 2                | 79.4                           | 17                   | 1667                              | 1933                              | 379234                                         |
| 15                         | 2                | 81.4                           | 17                   | 1464                              | 1096                              | 540896                                         |
| 16                         | 1                | 65.7                           | 17                   | -                                 | 1496                              | 37916                                          |
| 17                         | 2                | 76                             | 17                   | 1255                              | 1733                              | 198794                                         |
| 18                         | 2                | 81                             | 17                   | 1668                              | 1326                              | 359754                                         |
| 19                         |                  |                                |                      |                                   |                                   |                                                |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 1**  
**Channel 102 Bandwidth 40MHz**

| Trial # | Pulse Repetition<br>Frequency<br>Number (1 to 23) | Pulse Repetition<br>Frequency<br>(Pulses Per Second) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|---------------------------------------------------|------------------------------------------------------|------------------------------------------------|-------------------------|
| 1       | 22                                                | 1066.10                                              | 938                                            | Y                       |
| 2       | 10                                                | 1432.66                                              | 698                                            | Y                       |
| 3       | 6                                                 | 1618.12                                              | 618                                            | Y                       |
| 4       | 2                                                 | 1858.74                                              | 538                                            | Y                       |
| 5       | 19                                                | 1138.95                                              | 878                                            | Y                       |
| 6       | 12                                                | 326.16                                               | 3066                                           | Y                       |
| 7       | 7                                                 | 1567.40                                              | 638                                            | Y                       |
| 8       | 21                                                | 1089.32                                              | 918                                            | Y                       |
| 9       | 17                                                | 1193.32                                              | 838                                            | Y                       |
| 10      | 18                                                | 1165.50                                              | 858                                            | Y                       |
| 11      | 15                                                | 1253.13                                              | 798                                            | Y                       |
| 12      | 11                                                | 1392.76                                              | 718                                            | Y                       |
| 13      | 4                                                 | 1730.10                                              | 578                                            | Y                       |
| 14      | 5                                                 | 1672.24                                              | 598                                            | Y                       |
| 15      | 3                                                 | 1792.11                                              | 558                                            | Y                       |
| 16      |                                                   | 394.32                                               | 2536                                           | Y                       |
| 17      |                                                   | 1035.20                                              | 966                                            | Y                       |
| 18      |                                                   | 1209.19                                              | 827                                            | Y                       |
| 19      |                                                   | 399.84                                               | 2501                                           | Y                       |
| 20      |                                                   | 385.36                                               | 2595                                           | Y                       |
| 21      |                                                   | 897.67                                               | 1114                                           | Y                       |
| 22      |                                                   | 768.05                                               | 1302                                           | Y                       |
| 23      |                                                   | 328.41                                               | 3045                                           | Y                       |
| 24      |                                                   | 615.76                                               | 1624                                           | Y                       |
| 25      |                                                   | 347.46                                               | 2878                                           | Y                       |
| 26      |                                                   | 973.71                                               | 1027                                           | Y                       |
| 27      |                                                   | 402.41                                               | 2485                                           | Y                       |
| 28      |                                                   | 625.00                                               | 1600                                           | Y                       |
| 29      |                                                   | 853.24                                               | 1172                                           | Y                       |
| 30      |                                                   | 849.62                                               | 1177                                           | Y                       |

**DFS Radar Parameters**  
**FCC Radar Type 2**  
**Channel 102 Bandwidth 40MHz**

| Trial # | Number Pulses per Burst | Pulse Width<br>(Microseconds) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|-------------------------|-------------------------------|------------------------------------------------|-------------------------|
| 1       | 28                      | 4.20                          | 204                                            | Y                       |
| 2       | 27                      | 3.60                          | 169                                            | Y                       |
| 3       | 24                      | 1.80                          | 209                                            | Y                       |
| 4       | 28                      | 4.00                          | 158                                            | Y                       |
| 5       | 25                      | 2.50                          | 202                                            | Y                       |
| 6       | 23                      | 1.50                          | 172                                            | Y                       |
| 7       | 23                      | 1.40                          | 221                                            | Y                       |
| 8       | 25                      | 2.30                          | 220                                            | Y                       |
| 9       | 25                      | 2.70                          | 208                                            | Y                       |
| 10      | 25                      | 2.30                          | 215                                            | Y                       |
| 11      | 29                      | 4.60                          | 176                                            | Y                       |
| 12      | 28                      | 4.10                          | 198                                            | Y                       |
| 13      | 23                      | 1.00                          | 217                                            | Y                       |
| 14      | 29                      | 4.60                          | 210                                            | Y                       |
| 15      | 24                      | 1.80                          | 222                                            | Y                       |
| 16      | 27                      | 3.60                          | 162                                            | Y                       |
| 17      | 29                      | 4.90                          | 224                                            | Y                       |
| 18      | 27                      | 3.70                          | 177                                            | Y                       |
| 19      | 24                      | 1.70                          | 219                                            | Y                       |
| 20      | 26                      | 3.20                          | 160                                            | Y                       |
| 21      | 25                      | 2.50                          | 184                                            | Y                       |
| 22      | 26                      | 3.20                          | 167                                            | Y                       |
| 23      | 25                      | 2.40                          | 179                                            | Y                       |
| 24      | 28                      | 4.10                          | 227                                            | Y                       |
| 25      | 29                      | 5.00                          | 197                                            | Y                       |
| 26      | 26                      | 3.00                          | 218                                            | Y                       |
| 27      | 24                      | 2.00                          | 191                                            | Y                       |
| 28      | 26                      | 2.90                          | 196                                            | Y                       |
| 29      | 25                      | 2.20                          | 201                                            | Y                       |
| 30      | 23                      | 1.30                          | 163                                            | Y                       |

**DFS Radar Parameters**  
**FCC Radar Type 3**  
**Channel 102 Bandwidth 40MHz**

| Trial # | Number Pulses per Burst | Pulse Width<br>(Microseconds) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|-------------------------|-------------------------------|------------------------------------------------|-------------------------|
| 1       | 18                      | 9.20                          | 296                                            | Y                       |
| 2       | 17                      | 8.60                          | 234                                            | Y                       |
| 3       | 16                      | 6.80                          | 356                                            | Y                       |
| 4       | 18                      | 9.00                          | 318                                            | Y                       |
| 5       | 17                      | 7.50                          | 360                                            | Y                       |
| 6       | 16                      | 6.50                          | 215                                            | Y                       |
| 7       | 16                      | 6.40                          | 375                                            | Y                       |
| 8       | 16                      | 7.30                          | 245                                            | Y                       |
| 9       | 17                      | 7.70                          | 352                                            | Y                       |
| 10      | 16                      | 7.30                          | 218                                            | Y                       |
| 11      | 18                      | 9.60                          | 451                                            | Y                       |
| 12      | 18                      | 9.10                          | 474                                            | Y                       |
| 13      | 16                      | 6.00                          | 343                                            | Y                       |
| 14      | 18                      | 9.60                          | 445                                            | Y                       |
| 15      | 16                      | 6.80                          | 213                                            | Y                       |
| 16      | 17                      | 8.60                          | 335                                            | Y                       |
| 17      | 18                      | 9.90                          | 206                                            | Y                       |
| 18      | 17                      | 8.70                          | 253                                            | Y                       |
| 19      | 16                      | 6.70                          | 229                                            | Y                       |
| 20      | 17                      | 8.20                          | 430                                            | Y                       |
| 21      | 17                      | 7.50                          | 281                                            | Y                       |
| 22      | 17                      | 8.20                          | 283                                            | Y                       |
| 23      | 17                      | 7.40                          | 358                                            | Y                       |
| 24      | 18                      | 9.10                          | 269                                            | Y                       |
| 25      | 18                      | 10.00                         | 314                                            | Y                       |
| 26      | 17                      | 8.00                          | 395                                            | Y                       |
| 27      | 16                      | 7.00                          | 303                                            | Y                       |
| 28      | 17                      | 7.90                          | 300                                            | Y                       |
| 29      | 16                      | 7.20                          | 238                                            | Y                       |
| 30      | 16                      | 6.30                          | 436                                            | Y                       |

**DFS Radar Parameters**  
**FCC Radar Type 4**  
**Channel 102 Bandwidth 40MHz**

| Trial # | Number Pulses per Burst | Pulse Width<br>(Microseconds) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|-------------------------|-------------------------------|------------------------------------------------|-------------------------|
| 1       | 15                      | 18.10                         | 296                                            | Y                       |
| 2       | 15                      | 16.80                         | 234                                            | Y                       |
| 3       | 13                      | 12.90                         | 356                                            | Y                       |
| 4       | 15                      | 17.80                         | 318                                            | Y                       |
| 5       | 13                      | 14.50                         | 360                                            | Y                       |
| 6       | 12                      | 12.20                         | 215                                            | Y                       |
| 7       | 12                      | 12.00                         | 375                                            | Y                       |
| 8       | 13                      | 13.90                         | 245                                            | Y                       |
| 9       | 14                      | 14.70                         | 352                                            | Y                       |
| 10      | 13                      | 14.00                         | 218                                            | Y                       |
| 11      | 16                      | 19.00                         | 451                                            | Y                       |
| 12      | 15                      | 17.80                         | 474                                            | Y                       |
| 13      | 12                      | 11.20                         | 343                                            | Y                       |
| 14      | 16                      | 19.00                         | 445                                            | Y                       |
| 15      | 13                      | 12.90                         | 213                                            | Y                       |
| 16      | 15                      | 16.80                         | 335                                            | Y                       |
| 17      | 16                      | 19.70                         | 206                                            | Y                       |
| 18      | 15                      | 17.00                         | 253                                            | Y                       |
| 19      | 12                      | 12.50                         | 229                                            | Y                       |
| 20      | 14                      | 16.00                         | 430                                            | Y                       |
| 21      | 13                      | 14.40                         | 281                                            | Y                       |
| 22      | 14                      | 16.00                         | 283                                            | Y                       |
| 23      | 13                      | 14.20                         | 358                                            | Y                       |
| 24      | 15                      | 18.00                         | 269                                            | Y                       |
| 25      | 16                      | 19.90                         | 314                                            | Y                       |
| 26      | 14                      | 15.60                         | 395                                            | Y                       |
| 27      | 13                      | 13.20                         | 303                                            | Y                       |
| 28      | 14                      | 15.30                         | 300                                            | Y                       |
| 29      | 13                      | 13.60                         | 238                                            | Y                       |
| 30      | 12                      | 11.70                         | 436                                            | Y                       |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 102 Bandwidth 40MHz**

| Trial Number:              |                     |                                   | 1                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 18                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5510                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 89.5                              | 17                   | 1394                              | 1216                              | 20902                                          |
| 2                          | 2                   | 82                                | 17                   | 1562                              | 1950                              | 181755                                         |
| 3                          | 1                   | 60.6                              | 17                   | -                                 | 1991                              | 343377                                         |
| 4                          | 3                   | 87.5                              | 17                   | 1373                              | 1341                              | 503180                                         |
| 5                          | 2                   | 69.5                              | 17                   | 1683                              | 1998                              | 1108                                           |
| 6                          | 1                   | 56.9                              | 17                   | -                                 | 1642                              | 162401                                         |
| 7                          | 1                   | 55.9                              | 17                   | -                                 | 1007                              | 323999                                         |
| 8                          | 1                   | 66.1                              | 17                   | -                                 | 1573                              | 485030                                         |
| 9                          | 2                   | 70.8                              | 17                   | 1410                              | 1417                              | 645117                                         |
| 10                         | 1                   | 66.6                              | 17                   | -                                 | 1483                              | 142567                                         |
| 11                         | 3                   | 94.5                              | 17                   | 1405                              | 1315                              | 302861                                         |
| 12                         | 3                   | 87.9                              | 17                   | 2000                              | 1463                              | 462626                                         |
| 13                         | 1                   | 51.1                              | 17                   | -                                 | 1707                              | 626340                                         |
| 14                         | 3                   | 94.2                              | 17                   | 1743                              | 1782                              | 122024                                         |
| 15                         | 1                   | 60.8                              | 17                   | -                                 | 1650                              | 283952                                         |
| 16                         | 2                   | 82.2                              | 17                   | 1391                              | 1494                              | 444413                                         |
| 17                         | 3                   | 98.3                              | 17                   | 1367                              | 1270                              | 604472                                         |
| 18                         | 2                   | 83.1                              | 17                   | 1972                              | 1235                              | 102557                                         |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 2                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 16                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5510                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 58.5                              | 15                   | -                                 | 1784                              | 297124                                         |
| 2                          | 2                   | 77.7                              | 15                   | 1388                              | 1002                              | 478203                                         |
| 3                          | 2                   | 68.7                              | 15                   | 1502                              | 1023                              | 659403                                         |
| 4                          | 2                   | 77.5                              | 15                   | 1173                              | 1374                              | 93211                                          |
| 5                          | 2                   | 67.9                              | 15                   | 1789                              | 1823                              | 274101                                         |
| 6                          | 3                   | 88.8                              | 15                   | 1690                              | 1046                              | 454637                                         |
| 7                          | 3                   | 99.4                              | 15                   | 1001                              | 1448                              | 635937                                         |
| 8                          | 2                   | 75.5                              | 15                   | 1965                              | 1240                              | 70819                                          |
| 9                          | 1                   | 62.3                              | 15                   | -                                 | 1257                              | 252597                                         |
| 10                         | 2                   | 74.1                              | 15                   | 1395                              | 1755                              | 433093                                         |
| 11                         | 1                   | 64.7                              | 15                   | -                                 | 1973                              | 615196                                         |
| 12                         | 1                   | 54.2                              | 15                   | -                                 | 1520                              | 48618                                          |
| 13                         | 3                   | 91.4                              | 15                   | 1462                              | 1108                              | 229256                                         |
| 14                         | 2                   | 80.9                              | 15                   | 1476                              | 1774                              | 410727                                         |
| 15                         | 2                   | 80.9                              | 15                   | 1292                              | 1757                              | 591996                                         |
| 16                         | 1                   | 62.9                              | 15                   | -                                 | 1372                              | 26263                                          |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 102 Bandwidth 40MHz**

| Trial Number:              |                     |                                   | 3                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 10                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5510                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 51                                | 8                    | -                                 | 1895                              | 332609                                         |
| 2                          | 2                   | 73.2                              | 8                    | 1435                              | 1306                              | 622748                                         |
| 3                          | 2                   | 72.4                              | 8                    | 1628                              | 1603                              | 912747                                         |
| 4                          | 1                   | 52.4                              | 8                    | -                                 | 1180                              | 6243                                           |
| 5                          | 3                   | 95.2                              | 8                    | 1781                              | 1635                              | 296170                                         |
| 6                          | 3                   | 87.5                              | 8                    | 1913                              | 1079                              | 585928                                         |
| 7                          | 3                   | 97.1                              | 8                    | 1345                              | 1914                              | 876190                                         |
| 8                          | 3                   | 93.3                              | 8                    | 1902                              | 1406                              | 1166114                                        |
| 9                          | 1                   | 63.9                              | 8                    | -                                 | 1404                              | 261131                                         |
| 10                         | 2                   | 72.7                              | 8                    | 1363                              | 1307                              | 551246                                         |
| 11                         |                     |                                   |                      |                                   |                                   |                                                |
| 12                         |                     |                                   |                      |                                   |                                   |                                                |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 4                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 10                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5510                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 86.6                              | 16                   | 1842                              | 1767                              | 492581                                         |
| 2                          | 3                   | 99.4                              | 16                   | 1172                              | 1179                              | 663525                                         |
| 3                          | 2                   | 77.5                              | 16                   | 1671                              | 1151                              | 132169                                         |
| 4                          | 2                   | 78.1                              | 16                   | 1637                              | 1531                              | 302534                                         |
| 5                          | 1                   | 57.9                              | 16                   | -                                 | 1492                              | 474093                                         |
| 6                          | 3                   | 83.8                              | 16                   | 1929                              | 1847                              | 641868                                         |
| 7                          | 1                   | 62.1                              | 16                   | -                                 | 1583                              | 111361                                         |
| 8                          | 1                   | 55.3                              | 16                   | -                                 | 1478                              | 282218                                         |
| 9                          | 2                   | 81.1                              | 16                   | 1569                              | 1919                              | 451766                                         |
| 10                         | 1                   | 62.5                              | 16                   | -                                 | 1626                              | 623768                                         |
| 11                         | 2                   | 80.7                              | 16                   | 1117                              | 1449                              | 90195                                          |
| 12                         | 1                   | 61.9                              | 16                   | -                                 | 1621                              | 261121                                         |
| 13                         | 1                   | 64                                | 16                   | -                                 | 1829                              | 431799                                         |
| 14                         | 2                   | 71.8                              | 16                   | 1141                              | 1924                              | 601497                                         |
| 15                         | 3                   | 88.1                              | 16                   | 1532                              | 1318                              | 69004                                          |
| 16                         | 3                   | 94.1                              | 16                   | 1604                              | 1595                              | 239165                                         |
| 17                         | 3                   | 94.7                              | 16                   | 1254                              | 1840                              | 409267                                         |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 102 Bandwidth 40MHz**

| Trial Number:              |                  |                                | 5                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 13                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5510                 |                                   |                                   | Yes                                            |
| Burst                      | Number of Pulses | Pulse Width<br>(Microseconds ) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                | 81.8                           | 11                   | 1663                              | 1191                              | 760069                                         |
| 2                          | 1                | 51.3                           | 11                   | -                                 | 1732                              | 63106                                          |
| 3                          | 1                | 66.6                           | 11                   | -                                 | 1508                              | 286630                                         |
| 4                          | 2                | 75.3                           | 11                   | 1832                              | 1963                              | 508874                                         |
| 5                          | 1                | 63.6                           | 11                   | -                                 | 1561                              | 733607                                         |
| 6                          | 1                | 56.9                           | 11                   | -                                 | 1274                              | 35599                                          |
| 7                          | 3                | 88.2                           | 11                   | 1344                              | 1159                              | 258263                                         |
| 8                          | 3                | 93.2                           | 11                   | 1101                              | 1887                              | 481034                                         |
| 9                          | 3                | 87.6                           | 11                   | 1144                              | 1192                              | 704181                                         |
| 10                         | 1                | 59.7                           | 11                   | -                                 | 1062                              | 8062                                           |
| 11                         | 3                | 95.9                           | 11                   | 1109                              | 1643                              | 230923                                         |
| 12                         | 3                | 87.9                           | 11                   | 1390                              | 1749                              | 453729                                         |
| 13                         | 2                | 71.1                           | 11                   | 1096                              | 1876                              | 677509                                         |
| 14                         |                  |                                |                      |                                   |                                   |                                                |
| 15                         |                  |                                |                      |                                   |                                   |                                                |
| 16                         |                  |                                |                      |                                   |                                   |                                                |
| 17                         |                  |                                |                      |                                   |                                   |                                                |
| 18                         |                  |                                |                      |                                   |                                   |                                                |
| 19                         |                  |                                |                      |                                   |                                   |                                                |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

| Trial Number:              |                  |                                | 6                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 9                    |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5510                 |                                   |                                   | Yes                                            |
| Burst                      | Number of Pulses | Pulse Width<br>(Microseconds ) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                | 80.6                           | 7                    | 1243                              | 1150                              | 1302818                                        |
| 2                          | 2                | 75.5                           | 7                    | 1342                              | 1770                              | 294513                                         |
| 3                          | 1                | 63.6                           | 7                    | -                                 | 1059                              | 618086                                         |
| 4                          | 3                | 95.3                           | 7                    | 1427                              | 1120                              | 938932                                         |
| 5                          | 1                | 52.2                           | 7                    | -                                 | 1680                              | 1263733                                        |
| 6                          | 1                | 50                             | 7                    | -                                 | 1943                              | 254997                                         |
| 7                          | 3                | 98.1                           | 7                    | 1205                              | 1409                              | 576825                                         |
| 8                          | 3                | 84.3                           | 7                    | 1050                              | 1765                              | 898930                                         |
| 9                          | 1                | 66.2                           | 7                    | -                                 | 1693                              | 1223939                                        |
| 10                         |                  |                                |                      |                                   |                                   |                                                |
| 11                         |                  |                                |                      |                                   |                                   |                                                |
| 12                         |                  |                                |                      |                                   |                                   |                                                |
| 13                         |                  |                                |                      |                                   |                                   |                                                |
| 14                         |                  |                                |                      |                                   |                                   |                                                |
| 15                         |                  |                                |                      |                                   |                                   |                                                |
| 16                         |                  |                                |                      |                                   |                                   |                                                |
| 17                         |                  |                                |                      |                                   |                                   |                                                |
| 18                         |                  |                                |                      |                                   |                                   |                                                |
| 19                         |                  |                                |                      |                                   |                                   |                                                |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 102 Bandwidth 40MHz**

| Trial Number:              |                     |                                   | 7                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 9                    |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5510                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 64.3                              | 10                   | -                                 | 1010                              | 344088                                         |
| 2                          | 1                   | 51.1                              | 10                   | -                                 | 1655                              | 585995                                         |
| 3                          | 3                   | 92.8                              | 10                   | 1049                              | 1438                              | 825966                                         |
| 4                          | 1                   | 65.2                              | 10                   | -                                 | 1237                              | 71940                                          |
| 5                          | 3                   | 91.9                              | 10                   | 1760                              | 1593                              | 312884                                         |
| 6                          | 3                   | 97.4                              | 10                   | 1833                              | 1830                              | 554047                                         |
| 7                          | 3                   | 97.5                              | 10                   | 1869                              | 1455                              | 796129                                         |
| 8                          | 2                   | 73                                | 10                   | 1861                              | 1232                              | 42025                                          |
| 9                          | 3                   | 92.4                              | 10                   | 1263                              | 1498                              | 283600                                         |
| 10                         | 3                   | 89.3                              | 10                   | 1525                              | 1797                              | 524547                                         |
| 11                         | 3                   | 84.9                              | 10                   | 1737                              | 1948                              | 765805                                         |
| 12                         | 2                   | 70.3                              | 10                   | 1719                              | 1957                              | 12236                                          |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 8                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5510                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 64.3                              | 10                   | -                                 | 1010                              | 344088                                         |
| 2                          | 1                   | 51.1                              | 10                   | -                                 | 1655                              | 585995                                         |
| 3                          | 3                   | 92.8                              | 10                   | 1049                              | 1438                              | 825966                                         |
| 4                          | 1                   | 65.2                              | 10                   | -                                 | 1237                              | 71940                                          |
| 5                          | 3                   | 91.9                              | 10                   | 1760                              | 1593                              | 312884                                         |
| 6                          | 3                   | 97.4                              | 10                   | 1833                              | 1830                              | 554047                                         |
| 7                          | 3                   | 97.5                              | 10                   | 1869                              | 1455                              | 796129                                         |
| 8                          | 2                   | 73                                | 10                   | 1861                              | 1232                              | 42025                                          |
| 9                          | 3                   | 92.4                              | 10                   | 1263                              | 1498                              | 283600                                         |
| 10                         | 3                   | 89.3                              | 10                   | 1525                              | 1797                              | 524547                                         |
| 11                         | 3                   | 84.9                              | 10                   | 1737                              | 1948                              | 765805                                         |
| 12                         | 2                   | 70.3                              | 10                   | 1719                              | 1957                              | 12236                                          |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 102 Bandwidth 40MHz**

| Trial Number:              |                     |                                   | 9                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 13                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5510                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 74                                | 11                   | 1792                              | 1130                              | 234467                                         |
| 2                          | 1                   | 66.3                              | 11                   | -                                 | 1890                              | 458147                                         |
| 3                          | 2                   | 67.5                              | 11                   | 1351                              | 1146                              | 681114                                         |
| 4                          | 1                   | 59.9                              | 11                   | -                                 | 1679                              | 905188                                         |
| 5                          | 2                   | 82                                | 11                   | 1875                              | 1907                              | 206784                                         |
| 6                          | 1                   | 55.2                              | 11                   | -                                 | 1911                              | 430617                                         |
| 7                          | 3                   | 98.3                              | 11                   | 1740                              | 1854                              | 651444                                         |
| 8                          | 2                   | 68.8                              | 11                   | 1812                              | 1870                              | 875753                                         |
| 9                          | 2                   | 69.6                              | 11                   | 1769                              | 1481                              | 179425                                         |
| 10                         | 3                   | 88.1                              | 11                   | 1332                              | 1122                              | 402004                                         |
| 11                         | 3                   | 96.1                              | 11                   | 1560                              | 1915                              | 624275                                         |
| 12                         | 1                   | 60.3                              | 11                   | -                                 | 1291                              | 850493                                         |
| 13                         | 1                   | 65.6                              | 11                   | -                                 | 1828                              | 152181                                         |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 10                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5510                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 70.4                              | 10                   | 1791                              | 1276                              | 406470                                         |
| 2                          | 2                   | 74.5                              | 10                   | 1126                              | 1087                              | 648813                                         |
| 3                          | 3                   | 89.3                              | 10                   | 1084                              | 1935                              | 888905                                         |
| 4                          | 1                   | 63.7                              | 10                   | -                                 | 1077                              | 135169                                         |
| 5                          | 3                   | 88.6                              | 10                   | 1510                              | 1412                              | 376054                                         |
| 6                          | 1                   | 55.9                              | 10                   | -                                 | 1783                              | 619272                                         |
| 7                          | 1                   | 53.9                              | 10                   | -                                 | 1400                              | 861702                                         |
| 8                          | 2                   | 78.5                              | 10                   | 1673                              | 1335                              | 105124                                         |
| 9                          | 1                   | 59.2                              | 10                   | -                                 | 1004                              | 347623                                         |
| 10                         | 2                   | 81.5                              | 10                   | 1331                              | 1346                              | 588923                                         |
| 11                         | 3                   | 86.8                              | 10                   | 1927                              | 1349                              | 829296                                         |
| 12                         | 2                   | 78.3                              | 10                   | 1176                              | 1804                              | 75341                                          |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 102 Bandwidth 40MHz**

| Trial Number:              |                     |                                   | 11                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 19                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5499                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 65.3                              | 19                   | -                                 | 1934                              | 200289                                         |
| 2                          | 3                   | 83.7                              | 19                   | 1841                              | 1977                              | 351027                                         |
| 3                          | 1                   | 66.3                              | 19                   | -                                 | 1641                              | 505942                                         |
| 4                          | 3                   | 97.8                              | 19                   | 1981                              | 1852                              | 28635                                          |
| 5                          | 2                   | 79.2                              | 19                   | 1545                              | 1125                              | 181267                                         |
| 6                          | 1                   | 57.6                              | 19                   | -                                 | 1594                              | 334368                                         |
| 7                          | 1                   | 58.7                              | 19                   | -                                 | 1259                              | 487418                                         |
| 8                          | 3                   | 99.4                              | 19                   | 1103                              | 1303                              | 9924                                           |
| 9                          | 3                   | 96                                | 19                   | 1495                              | 1029                              | 162114                                         |
| 10                         | 1                   | 56.9                              | 19                   | -                                 | 1629                              | 315530                                         |
| 11                         | 2                   | 75.8                              | 19                   | 1579                              | 1213                              | 467448                                         |
| 12                         | 2                   | 68.5                              | 19                   | 1040                              | 1538                              | 620160                                         |
| 13                         | 3                   | 90                                | 19                   | 1607                              | 1114                              | 143416                                         |
| 14                         | 3                   | 86.5                              | 19                   | 1500                              | 1398                              | 295227                                         |
| 15                         | 2                   | 77                                | 19                   | 1704                              | 1433                              | 448417                                         |
| 16                         | 3                   | 90.9                              | 19                   | 1027                              | 1793                              | 599503                                         |
| 17                         | 3                   | 90.4                              | 19                   | 1221                              | 1947                              | 124448                                         |
| 18                         | 2                   | 81                                | 19                   | 1785                              | 1527                              | 277149                                         |
| 19                         | 2                   | 76.2                              | 19                   | 1622                              | 1882                              | 429392                                         |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 12                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 17                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5498                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 55.1                              | 17                   | -                                 | 1905                              | 652021                                         |
| 2                          | 2                   | 82.4                              | 17                   | 1255                              | 1735                              | 118597                                         |
| 3                          | 3                   | 99.7                              | 17                   | 1602                              | 1428                              | 288437                                         |
| 4                          | 2                   | 71.4                              | 17                   | 1090                              | 1796                              | 459612                                         |
| 5                          | 2                   | 72.8                              | 17                   | 1197                              | 1941                              | 629885                                         |
| 6                          | 1                   | 58.2                              | 17                   | -                                 | 1649                              | 97784                                          |
| 7                          | 1                   | 59.3                              | 17                   | -                                 | 1897                              | 268489                                         |
| 8                          | 1                   | 53.8                              | 17                   | -                                 | 1123                              | 439710                                         |
| 9                          | 2                   | 83.3                              | 17                   | 1312                              | 1100                              | 609520                                         |
| 10                         | 2                   | 81                                | 17                   | 1228                              | 1610                              | 76616                                          |
| 11                         | 3                   | 91.9                              | 17                   | 1246                              | 1762                              | 246681                                         |
| 12                         | 1                   | 64.8                              | 17                   | -                                 | 1980                              | 418147                                         |
| 13                         | 3                   | 84.8                              | 17                   | 1879                              | 1215                              | 586881                                         |
| 14                         | 2                   | 80.8                              | 17                   | 1486                              | 1355                              | 55613                                          |
| 15                         | 2                   | 81.6                              | 17                   | 1006                              | 1872                              | 226111                                         |
| 16                         | 1                   | 66.6                              | 17                   | -                                 | 1139                              | 397593                                         |
| 17                         | 2                   | 71.6                              | 17                   | 1175                              | 1817                              | 567021                                         |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 102 Bandwidth 40MHz**

| Trial Number:              |                     |                                   | 13                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 8                    |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5493                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 82                                | 5                    | 1170                              | 1165                              | 73728                                          |
| 2                          | 2                   | 71                                | 5                    | 1836                              | 1570                              | 436647                                         |
| 3                          | 3                   | 90.5                              | 5                    | 1930                              | 1185                              | 798786                                         |
| 4                          | 2                   | 80.5                              | 5                    | 1627                              | 1750                              | 1162612                                        |
| 5                          | 3                   | 87.3                              | 5                    | 1034                              | 1677                              | 28947                                          |
| 6                          | 1                   | 61                                | 5                    | -                                 | 1353                              | 392475                                         |
| 7                          | 2                   | 69.7                              | 5                    | 1261                              | 1795                              | 755085                                         |
| 8                          | 1                   | 63.5                              | 5                    | -                                 | 1118                              | 1119589                                        |
| 9                          |                     |                                   |                      |                                   |                                   |                                                |
| 10                         |                     |                                   |                      |                                   |                                   |                                                |
| 11                         |                     |                                   |                      |                                   |                                   |                                                |
| 12                         |                     |                                   |                      |                                   |                                   |                                                |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 14                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 19                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5499                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 98.7                              | 19                   | 1273                              | 2000                              | 620414                                         |
| 2                          | 2                   | 70.7                              | 19                   | 1669                              | 1705                              | 145751                                         |
| 3                          | 2                   | 73.8                              | 19                   | 1334                              | 1515                              | 298360                                         |
| 4                          | 1                   | 52.1                              | 19                   | -                                 | 1850                              | 451563                                         |
| 5                          | 2                   | 79                                | 19                   | 1287                              | 1942                              | 602969                                         |
| 6                          | 1                   | 63.1                              | 19                   | -                                 | 1030                              | 127458                                         |
| 7                          | 3                   | 88.1                              | 19                   | 1775                              | 1983                              | 278438                                         |
| 8                          | 2                   | 78.3                              | 19                   | 1272                              | 1161                              | 432349                                         |
| 9                          | 1                   | 55.3                              | 19                   | -                                 | 1860                              | 585470                                         |
| 10                         | 2                   | 81.6                              | 19                   | 1411                              | 1242                              | 108341                                         |
| 11                         | 3                   | 96                                | 19                   | 1297                              | 1425                              | 260205                                         |
| 12                         | 1                   | 65.7                              | 19                   | -                                 | 1384                              | 414244                                         |
| 13                         | 1                   | 62.2                              | 19                   | -                                 | 1209                              | 567243                                         |
| 14                         | 3                   | 93.5                              | 19                   | 1415                              | 1960                              | 89305                                          |
| 15                         | 3                   | 89.6                              | 19                   | 1385                              | 1426                              | 241625                                         |
| 16                         | 2                   | 69.9                              | 19                   | 1648                              | 1491                              | 394316                                         |
| 17                         | 1                   | 53.8                              | 19                   | -                                 | 1846                              | 547857                                         |
| 18                         | 2                   | 75.5                              | 19                   | 1473                              | 1183                              | 70763                                          |
| 19                         | 2                   | 68.4                              | 19                   | 1522                              | 1210                              | 223270                                         |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 102 Bandwidth 40MHz**

| Trial Number:              |                     |                                   | 15                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 10                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5495                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 54.1                              | 8                    | -                                 | 1961                              | 715921                                         |
| 2                          | 3                   | 92.1                              | 8                    | 1053                              | 1598                              | 1004756                                        |
| 3                          | 3                   | 91.1                              | 8                    | 1301                              | 1471                              | 98835                                          |
| 4                          | 3                   | 87.8                              | 8                    | 1225                              | 1490                              | 388732                                         |
| 5                          | 1                   | 58.3                              | 8                    | -                                 | 1596                              | 680338                                         |
| 6                          | 2                   | 69.8                              | 8                    | 1187                              | 1434                              | 970157                                         |
| 7                          | 1                   | 55.4                              | 8                    | -                                 | 1155                              | 63258                                          |
| 8                          | 1                   | 58.8                              | 8                    | -                                 | 1894                              | 353797                                         |
| 9                          | 2                   | 69.3                              | 8                    | 1454                              | 1702                              | 643697                                         |
| 10                         | 3                   | 90.5                              | 8                    | 1851                              | 1112                              | 932639                                         |
| 11                         |                     |                                   |                      |                                   |                                   |                                                |
| 12                         |                     |                                   |                      |                                   |                                   |                                                |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 16                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 16                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5497                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 95.8                              | 15                   | 1019                              | 1093                              | 17079                                          |
| 2                          | 2                   | 67.9                              | 15                   | 1858                              | 1514                              | 198172                                         |
| 3                          | 2                   | 71.4                              | 15                   | 1247                              | 1430                              | 379606                                         |
| 4                          | 2                   | 80                                | 15                   | 1590                              | 1952                              | 560206                                         |
| 5                          | 1                   | 57.9                              | 15                   | -                                 | 1236                              | 743536                                         |
| 6                          | 2                   | 74.2                              | 15                   | 1499                              | 1987                              | 175840                                         |
| 7                          | 3                   | 87.6                              | 15                   | 1474                              | 1868                              | 356031                                         |
| 8                          | 3                   | 85.5                              | 15                   | 1718                              | 1582                              | 537101                                         |
| 9                          | 1                   | 51.6                              | 15                   | -                                 | 1039                              | 721356                                         |
| 10                         | 1                   | 54.3                              | 15                   | -                                 | 1614                              | 153924                                         |
| 11                         | 2                   | 67.8                              | 15                   | 1658                              | 1127                              | 334906                                         |
| 12                         | 1                   | 53.7                              | 15                   | -                                 | 1666                              | 516903                                         |
| 13                         | 3                   | 86.6                              | 15                   | 1419                              | 1814                              | 695180                                         |
| 14                         | 2                   | 79.4                              | 15                   | 1512                              | 1936                              | 131244                                         |
| 15                         | 3                   | 99.2                              | 15                   | 1066                              | 1652                              | 312123                                         |
| 16                         | 3                   | 85.7                              | 15                   | 1839                              | 1800                              | 492322                                         |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 102 Bandwidth 40MHz**

| Trial Number:              |                     |                                   | 17                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 20                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5499                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 50.8                              | 20                   | -                                 | 1071                              | 541069                                         |
| 2                          | 1                   | 59.3                              | 20                   | -                                 | 1204                              | 87380                                          |
| 3                          | 3                   | 88.5                              | 20                   | 1871                              | 1529                              | 231295                                         |
| 4                          | 2                   | 81.5                              | 20                   | 1399                              | 1838                              | 376551                                         |
| 5                          | 2                   | 70.5                              | 20                   | 1694                              | 1241                              | 521548                                         |
| 6                          | 2                   | 76.6                              | 20                   | 1554                              | 1837                              | 69237                                          |
| 7                          | 1                   | 61.7                              | 20                   | -                                 | 1485                              | 214617                                         |
| 8                          | 3                   | 92.7                              | 20                   | 1186                              | 1102                              | 358552                                         |
| 9                          | 1                   | 65.6                              | 20                   | -                                 | 1348                              | 505050                                         |
| 10                         | 2                   | 71.4                              | 20                   | 1932                              | 1295                              | 51428                                          |
| 11                         | 1                   | 57.5                              | 20                   | -                                 | 1041                              | 196883                                         |
| 12                         | 2                   | 82.9                              | 20                   | 1268                              | 1993                              | 340881                                         |
| 13                         | 1                   | 65.4                              | 20                   | -                                 | 1407                              | 487118                                         |
| 14                         | 2                   | 82.3                              | 20                   | 1576                              | 1698                              | 33597                                          |
| 15                         | 2                   | 73.5                              | 20                   | 1013                              | 1457                              | 178562                                         |
| 16                         | 1                   | 54.2                              | 20                   | -                                 | 1883                              | 323800                                         |
| 17                         | 2                   | 68.8                              | 20                   | 1611                              | 1521                              | 467883                                         |
| 18                         | 3                   | 87.8                              | 20                   | 1018                              | 1645                              | 15748                                          |
| 19                         | 1                   | 59.6                              | 20                   | -                                 | 1548                              | 160960                                         |
| 20                         | 1                   | 63.7                              | 20                   | -                                 | 1076                              | 306344                                         |

| Trial Number:              |                  |                                | 18                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 16                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5497                 |                                   |                                   | Yes                                            |
| Burst                      | Number of Pulses | Pulse Width<br>(Microseconds ) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                | 74.5                           | 15                   | 1311                              | 1357                              | 563505                                         |
| 2                          | 3                | 85.8                           | 15                   | 1539                              | 1906                              | 742610                                         |
| 3                          | 1                | 54.2                           | 15                   | -                                 | 1461                              | 178965                                         |
| 4                          | 2                | 69.2                           | 15                   | 1606                              | 1110                              | 359905                                         |
| 5                          | 1                | 52                             | 15                   | -                                 | 1946                              | 541702                                         |
| 6                          | 3                | 84.4                           | 15                   | 1994                              | 1226                              | 720241                                         |
| 7                          | 1                | 52.2                           | 15                   | -                                 | 1509                              | 156593                                         |
| 8                          | 2                | 71.2                           | 15                   | 1248                              | 1551                              | 337543                                         |
| 9                          | 1                | 50.5                           | 15                   | -                                 | 1000                              | 520011                                         |
| 10                         | 1                | 50.4                           | 15                   | -                                 | 1634                              | 701073                                         |
| 11                         | 1                | 55.4                           | 15                   | -                                 | 1230                              | 134282                                         |
| 12                         | 1                | 61.7                           | 15                   | -                                 | 1233                              | 315881                                         |
| 13                         | 3                | 88.6                           | 15                   | 1347                              | 1094                              | 495811                                         |
| 14                         | 2                | 72.7                           | 15                   | 1857                              | 1640                              | 677027                                         |
| 15                         | 2                | 69                             | 15                   | 1654                              | 1923                              | 111562                                         |
| 16                         | 3                | 96.1                           | 15                   | 1227                              | 1487                              | 292317                                         |
| 17                         |                  |                                |                      |                                   |                                   |                                                |
| 18                         |                  |                                |                      |                                   |                                   |                                                |
| 19                         |                  |                                |                      |                                   |                                   |                                                |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 102 Bandwidth 40MHz**

| Trial Number:              |                     |                                   | 19                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 10                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5494                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 70.4                              | 7                    | 1211.000                          | 1612.000                          | 759639                                         |
| 2                          | 3                   | 87.8                              | 7                    | 1609.000                          | 1794.000                          | 1048147                                        |
| 3                          | 2                   | 70                                | 7                    | 1745.000                          | 1262.000                          | 143146                                         |
| 4                          | 2                   | 69.1                              | 7                    | 1966.000                          | 1376.000                          | 433333                                         |
| 5                          | 1                   | 56.1                              | 7                    | -                                 | 1132.000                          | 724897                                         |
| 6                          | 2                   | 78.8                              | 7                    | 1479.000                          | 1647.000                          | 1013971                                        |
| 7                          | 1                   | 64.3                              | 7                    | -                                 | 1446.000                          | 107527                                         |
| 8                          | 3                   | 86.5                              | 7                    | 1121.000                          | 1550.000                          | 397462                                         |
| 9                          | 2                   | 66.7                              | 7                    | 1920.000                          | 1696.000                          | 687653                                         |
| 10                         | 1                   | 54.6                              | 7                    | -                                 | 1513.000                          | 979533                                         |
| 11                         |                     |                                   |                      |                                   |                                   |                                                |
| 12                         |                     |                                   |                      |                                   |                                   |                                                |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 20                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 15                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5497                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 70.1                              | 13                   | 1432                              | 1354                              | 47705                                          |
| 2                          | 2                   | 69.4                              | 13                   | 1313                              | 1733                              | 240976                                         |
| 3                          | 2                   | 80.9                              | 13                   | 1137                              | 1328                              | 434579                                         |
| 4                          | 1                   | 63.5                              | 13                   | -                                 | 1723                              | 628590                                         |
| 5                          | 3                   | 84.9                              | 13                   | 1283                              | 1692                              | 23831                                          |
| 6                          | 3                   | 98.9                              | 13                   | 1436                              | 1421                              | 216911                                         |
| 7                          | 2                   | 69.8                              | 13                   | 1739                              | 1660                              | 410272                                         |
| 8                          | 3                   | 85.5                              | 13                   | 1269                              | 1299                              | 603192                                         |
| 9                          | 1                   | 61.1                              | 13                   | -                                 | 1801                              | 73                                             |
| 10                         | 1                   | 65.1                              | 13                   | -                                 | 1909                              | 193635                                         |
| 11                         | 1                   | 55.1                              | 13                   | -                                 | 1282                              | 387501                                         |
| 12                         | 2                   | 69.2                              | 13                   | 1008                              | 1543                              | 580292                                         |
| 13                         | 2                   | 79.5                              | 13                   | 1171                              | 1092                              | 773978                                         |
| 14                         | 3                   | 86.1                              | 13                   | 1542                              | 1533                              | 169311                                         |
| 15                         | 2                   | 74.4                              | 13                   | 1339                              | 1676                              | 362851                                         |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 102 Bandwidth 40MHz**

| Trial Number:              |                     |                                   | 21                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5525                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 90.6                              | 10                   | 1177                              | 1530                              | 694688                                         |
| 2                          | 3                   | 92.1                              | 10                   | 1714                              | 1154                              | 936017                                         |
| 3                          | 1                   | 65.2                              | 10                   | -                                 | 1290                              | 182638                                         |
| 4                          | 1                   | 65.9                              | 10                   | -                                 | 1811                              | 424635                                         |
| 5                          | 3                   | 95.9                              | 10                   | 1145                              | 1333                              | 665372                                         |
| 6                          | 3                   | 94.4                              | 10                   | 1402                              | 1437                              | 906084                                         |
| 7                          | 3                   | 92.7                              | 10                   | 1371                              | 1075                              | 152447                                         |
| 8                          | 1                   | 63.3                              | 10                   | -                                 | 1017                              | 395128                                         |
| 9                          | 2                   | 77.4                              | 10                   | 1072                              | 1717                              | 636282                                         |
| 10                         | 3                   | 83.9                              | 10                   | 1922                              | 1725                              | 875986                                         |
| 11                         | 2                   | 81                                | 10                   | 1813                              | 1553                              | 122710                                         |
| 12                         | 2                   | 67.7                              | 10                   | 1688                              | 1805                              | 364379                                         |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                  |                                | 22                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 15                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5523                 |                                   |                                   | Yes                                            |
| Burst                      | Number of Pulses | Pulse Width<br>(Microseconds ) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                | 90.5                           | 13                   | 1439                              | 1105                              | 483910                                         |
| 2                          | 1                | 57.6                           | 13                   | -                                 | 1036                              | 679694                                         |
| 3                          | 3                | 95.8                           | 13                   | 1580                              | 1885                              | 74118                                          |
| 4                          | 2                | 71.4                           | 13                   | 1955                              | 1061                              | 267613                                         |
| 5                          | 2                | 67.7                           | 13                   | 1488                              | 1219                              | 461085                                         |
| 6                          | 1                | 52.5                           | 13                   | -                                 | 1675                              | 655302                                         |
| 7                          | 3                | 97.4                           | 13                   | 1153                              | 1441                              | 50454                                          |
| 8                          | 1                | 64.2                           | 13                   | -                                 | 1668                              | 244216                                         |
| 9                          | 2                | 82.8                           | 13                   | 1689                              | 1447                              | 437031                                         |
| 10                         | 3                | 90.3                           | 13                   | 1278                              | 1300                              | 629462                                         |
| 11                         | 3                | 87                             | 13                   | 1787                              | 1081                              | 26658                                          |
| 12                         | 1                | 65.5                           | 13                   | -                                 | 1591                              | 220388                                         |
| 13                         | 1                | 56.6                           | 13                   | -                                 | 1873                              | 413881                                         |
| 14                         | 3                | 91.9                           | 13                   | 1266                              | 1764                              | 605307                                         |
| 15                         | 1                | 53.1                           | 13                   | -                                 | 1160                              | 2898                                           |
| 16                         |                  |                                |                      |                                   |                                   |                                                |
| 17                         |                  |                                |                      |                                   |                                   |                                                |
| 18                         |                  |                                |                      |                                   |                                   |                                                |
| 19                         |                  |                                |                      |                                   |                                   |                                                |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 102 Bandwidth 40MHz**

| Trial Number:              |                     |                                   | 23                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5525                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 61.5                              | 10                   | -                                 | 1523                              | 245784                                         |
| 2                          | 1                   | 53.9                              | 10                   | -                                 | 1656                              | 487881                                         |
| 3                          | 3                   | 91                                | 10                   | 1825                              | 1687                              | 727759                                         |
| 4                          | 1                   | 51.1                              | 10                   | -                                 | 1138                              | 972645                                         |
| 5                          | 1                   | 58.3                              | 10                   | -                                 | 1703                              | 215916                                         |
| 6                          | 3                   | 83.9                              | 10                   | 1193                              | 1988                              | 456555                                         |
| 7                          | 3                   | 94.8                              | 10                   | 1024                              | 1182                              | 699037                                         |
| 8                          | 1                   | 65.5                              | 10                   | -                                 | 1360                              | 942595                                         |
| 9                          | 3                   | 86.7                              | 10                   | 1807                              | 1937                              | 185517                                         |
| 10                         | 3                   | 99.2                              | 10                   | 1458                              | 1511                              | 426821                                         |
| 11                         | 2                   | 70.6                              | 10                   | 1820                              | 1280                              | 669392                                         |
| 12                         | 2                   | 70.9                              | 10                   | 1763                              | 1754                              | 910790                                         |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 24                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 18                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5522                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 60.3                              | 17                   | -                                 | 1670                              | 104096                                         |
| 2                          | 2                   | 77.4                              | 17                   | 1953                              | 1727                              | 264577                                         |
| 3                          | 1                   | 56                                | 17                   | -                                 | 1286                              | 426908                                         |
| 4                          | 1                   | 53.4                              | 17                   | -                                 | 1431                              | 588155                                         |
| 5                          | 2                   | 79.7                              | 17                   | 1083                              | 1051                              | 84171                                          |
| 6                          | 1                   | 53.8                              | 17                   | -                                 | 1080                              | 245730                                         |
| 7                          | 2                   | 81.1                              | 17                   | 1697                              | 1482                              | 405872                                         |
| 8                          | 2                   | 79.4                              | 17                   | 1381                              | 1772                              | 566811                                         |
| 9                          | 2                   | 77.8                              | 17                   | 1358                              | 1736                              | 64226                                          |
| 10                         | 1                   | 65.4                              | 17                   | -                                 | 1587                              | 225674                                         |
| 11                         | 3                   | 93.7                              | 17                   | 1424                              | 1379                              | 385657                                         |
| 12                         | 3                   | 87.5                              | 17                   | 1128                              | 1370                              | 545925                                         |
| 13                         | 2                   | 66.7                              | 17                   | 1470                              | 1865                              | 44386                                          |
| 14                         | 2                   | 82.1                              | 17                   | 1497                              | 1904                              | 205244                                         |
| 15                         | 2                   | 71.8                              | 17                   | 1866                              | 1444                              | 366157                                         |
| 16                         | 3                   | 91.6                              | 17                   | 1045                              | 1464                              | 526430                                         |
| 17                         | 1                   | 50.2                              | 17                   | -                                 | 1681                              | 24630                                          |
| 18                         | 1                   | 55                                | 17                   | -                                 | 1982                              | 185826                                         |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 102 Bandwidth 40MHz**

| Trial Number:              |                     |                                   | 25                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 20                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5521                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 99.7                              | 20                   | 1938                              | 1933                              | 310473                                         |
| 2                          | 1                   | 59.3                              | 20                   | -                                 | 1954                              | 457286                                         |
| 3                          | 1                   | 53.9                              | 20                   | -                                 | 1557                              | 4288                                           |
| 4                          | 3                   | 91.2                              | 20                   | 1198                              | 1222                              | 148803                                         |
| 5                          | 2                   | 81.2                              | 20                   | 1107                              | 1623                              | 293993                                         |
| 6                          | 1                   | 59.4                              | 20                   | -                                 | 1711                              | 439598                                         |
| 7                          | 3                   | 86.4                              | 20                   | 1555                              | 1567                              | 581702                                         |
| 8                          | 2                   | 82.8                              | 20                   | 1157                              | 1505                              | 131308                                         |
| 9                          | 2                   | 72.7                              | 20                   | 1189                              | 1971                              | 275951                                         |
| 10                         | 3                   | 83.9                              | 20                   | 1667                              | 1715                              | 419702                                         |
| 11                         | 3                   | 95.7                              | 20                   | 1967                              | 1055                              | 564453                                         |
| 12                         | 3                   | 92.1                              | 20                   | 1997                              | 1506                              | 112996                                         |
| 13                         | 1                   | 59                                | 20                   | -                                 | 1178                              | 258978                                         |
| 14                         | 2                   | 72.3                              | 20                   | 1586                              | 1672                              | 402807                                         |
| 15                         | 3                   | 97.2                              | 20                   | 1316                              | 1106                              | 546524                                         |
| 16                         | 2                   | 81.7                              | 20                   | 1387                              | 1962                              | 95508                                          |
| 17                         | 3                   | 87.1                              | 20                   | 1465                              | 1758                              | 239734                                         |
| 18                         | 3                   | 86.9                              | 20                   | 1343                              | 1323                              | 384598                                         |
| 19                         | 2                   | 76.8                              | 20                   | 1288                              | 1468                              | 530154                                         |
| 20                         | 3                   | 86.9                              | 20                   | 1135                              | 1827                              | 77515                                          |

| Trial Number:              |                     |                                   | 26                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 14                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5523                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 57.3                              | 13                   | -                                 | 1340                              | 318983                                         |
| 2                          | 1                   | 61.6                              | 13                   | -                                 | 1131                              | 526671                                         |
| 3                          | 2                   | 75.5                              | 13                   | 1392                              | 1528                              | 732746                                         |
| 4                          | 1                   | 62.5                              | 13                   | -                                 | 1164                              | 85875                                          |
| 5                          | 2                   | 75.3                              | 13                   | 1022                              | 1327                              | 293071                                         |
| 6                          | 3                   | 96.2                              | 13                   | 1779                              | 1552                              | 499012                                         |
| 7                          | 1                   | 60.2                              | 13                   | -                                 | 1537                              | 708372                                         |
| 8                          | 1                   | 53.5                              | 13                   | -                                 | 1067                              | 60311                                          |
| 9                          | 3                   | 84.4                              | 13                   | 1901                              | 1188                              | 266720                                         |
| 10                         | 2                   | 76.2                              | 13                   | 1695                              | 1926                              | 474142                                         |
| 11                         | 1                   | 62                                | 13                   | -                                 | 1584                              | 682774                                         |
| 12                         | 1                   | 53.1                              | 13                   | -                                 | 1020                              | 34738                                          |
| 13                         | 1                   | 65.2                              | 13                   | -                                 | 1699                              | 242182                                         |
| 14                         | 2                   | 81.7                              | 13                   | 1068                              | 1350                              | 449276                                         |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 102 Bandwidth 40MHz**

| Trial Number:              |                     |                                   | 27                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 11                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5525                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 99.5                              | 8                    | 1578                              | 1632                              | 834372                                         |
| 2                          | 1                   | 61.2                              | 8                    | -                                 | 1308                              | 11660                                          |
| 3                          | 2                   | 66.9                              | 8                    | 1021                              | 1625                              | 275584                                         |
| 4                          | 2                   | 69.1                              | 8                    | 1074                              | 1638                              | 539489                                         |
| 5                          | 3                   | 96.3                              | 8                    | 1064                              | 1729                              | 802171                                         |
| 6                          | 3                   | 96.7                              | 8                    | 1472                              | 1249                              | 1065541                                        |
| 7                          | 2                   | 67                                | 8                    | 1843                              | 1903                              | 242827                                         |
| 8                          | 3                   | 97                                | 8                    | 1284                              | 1003                              | 506430                                         |
| 9                          | 2                   | 81.2                              | 8                    | 1810                              | 1403                              | 770548                                         |
| 10                         | 3                   | 97.3                              | 8                    | 1780                              | 1815                              | 1032091                                        |
| 11                         | 3                   | 83.7                              | 8                    | 1928                              | 1701                              | 210062                                         |
| 12                         |                     |                                   |                      |                                   |                                   |                                                |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 28                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 14                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5524                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 85.8                              | 12                   | 1085                              | 1888                              | 371875                                         |
| 2                          | 1                   | 56.3                              | 12                   | -                                 | 1986                              | 580264                                         |
| 3                          | 2                   | 71.4                              | 12                   | 1746                              | 1974                              | 786069                                         |
| 4                          | 3                   | 90.3                              | 12                   | 1250                              | 1167                              | 139654                                         |
| 5                          | 3                   | 85                                | 12                   | 1617                              | 1134                              | 346514                                         |
| 6                          | 3                   | 95                                | 12                   | 1443                              | 1777                              | 552707                                         |
| 7                          | 3                   | 85                                | 12                   | 1252                              | 1456                              | 760133                                         |
| 8                          | 1                   | 64.8                              | 12                   | -                                 | 1564                              | 114421                                         |
| 9                          | 1                   | 63.4                              | 12                   | -                                 | 1563                              | 321926                                         |
| 10                         | 3                   | 97.8                              | 12                   | 1558                              | 1547                              | 527787                                         |
| 11                         | 3                   | 88.1                              | 12                   | 1026                              | 1119                              | 734781                                         |
| 12                         | 3                   | 83.8                              | 12                   | 1031                              | 1845                              | 88548                                          |
| 13                         | 3                   | 91.4                              | 12                   | 1951                              | 1264                              | 295373                                         |
| 14                         | 1                   | 65.8                              | 12                   | -                                 | 1691                              | 503796                                         |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 102 Bandwidth 40MHz**

| Trial Number:              |                     |                                   | 29                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 11                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5525                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 85                                | 9                    | 1104                              | 1396                              | 903421                                         |
| 2                          | 3                   | 99.2                              | 9                    | 1824                              | 1113                              | 80405                                          |
| 3                          | 2                   | 82.9                              | 9                    | 1477                              | 1816                              | 344250                                         |
| 4                          | 3                   | 98.4                              | 9                    | 1416                              | 1504                              | 607657                                         |
| 5                          | 3                   | 96.5                              | 9                    | 1806                              | 1970                              | 870022                                         |
| 6                          | 2                   | 71.8                              | 9                    | 1251                              | 1356                              | 48008                                          |
| 7                          | 3                   | 92.6                              | 9                    | 1999                              | 1886                              | 311042                                         |
| 8                          | 2                   | 76.8                              | 9                    | 1202                              | 1414                              | 575898                                         |
| 9                          | 2                   | 77.4                              | 9                    | 1989                              | 1540                              | 839139                                         |
| 10                         | 2                   | 72.8                              | 9                    | 1646                              | 1964                              | 15481                                          |
| 11                         | 3                   | 85.9                              | 9                    | 1776                              | 1035                              | 279071                                         |
| 12                         |                     |                                   |                      |                                   |                                   |                                                |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 30                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 9                    |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5526                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 64.7                              | 6                    | -                                 | 1156                              | 665157                                         |
| 2                          | 2                   | 68                                | 6                    | 1597                              | 1761                              | 986619                                         |
| 3                          | 3                   | 90.6                              | 6                    | 1899                              | 1889                              | 1307451                                        |
| 4                          | 2                   | 80.1                              | 6                    | 1423                              | 1616                              | 301837                                         |
| 5                          | 2                   | 69.8                              | 6                    | 1592                              | 1014                              | 624679                                         |
| 6                          | 1                   | 60.3                              | 6                    | -                                 | 1380                              | 948295                                         |
| 7                          | 2                   | 80.5                              | 6                    | 1336                              | 1063                              | 1270363                                        |
| 8                          | 2                   | 78.3                              | 6                    | 1790                              | 1536                              | 262039                                         |
| 9                          | 2                   | 78.9                              | 6                    | 1891                              | 1756                              | 584467                                         |
| 10                         |                     |                                   |                      |                                   |                                   |                                                |
| 11                         |                     |                                   |                      |                                   |                                   |                                                |
| 12                         |                     |                                   |                      |                                   |                                   |                                                |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 1**  
**Channel 106 Bandwidth 80MHz**

| Trial # | Pulse Repetition<br>Frequency<br>Number (1 to 23) | Pulse Repetition<br>Frequency<br>(Pulses Per Second) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|---------------------------------------------------|------------------------------------------------------|------------------------------------------------|-------------------------|
| 1       | 22                                                | 1066.10                                              | 938                                            | Y                       |
| 2       | 10                                                | 1432.66                                              | 698                                            | Y                       |
| 3       | 6                                                 | 1618.12                                              | 618                                            | Y                       |
| 4       | 2                                                 | 1858.74                                              | 538                                            | Y                       |
| 5       | 19                                                | 1138.95                                              | 878                                            | Y                       |
| 6       | 12                                                | 326.16                                               | 3066                                           | Y                       |
| 7       | 7                                                 | 1567.40                                              | 638                                            | Y                       |
| 8       | 21                                                | 1089.32                                              | 918                                            | Y                       |
| 9       | 17                                                | 1193.32                                              | 838                                            | Y                       |
| 10      | 18                                                | 1165.50                                              | 858                                            | Y                       |
| 11      | 15                                                | 1253.13                                              | 798                                            | Y                       |
| 12      | 11                                                | 1392.76                                              | 718                                            | Y                       |
| 13      | 4                                                 | 1730.10                                              | 578                                            | Y                       |
| 14      | 5                                                 | 1672.24                                              | 598                                            | Y                       |
| 15      | 3                                                 | 1792.11                                              | 558                                            | Y                       |
| 16      |                                                   | 394.32                                               | 2536                                           | Y                       |
| 17      |                                                   | 1035.20                                              | 966                                            | Y                       |
| 18      |                                                   | 1209.19                                              | 827                                            | Y                       |
| 19      |                                                   | 399.84                                               | 2501                                           | Y                       |
| 20      |                                                   | 385.36                                               | 2595                                           | Y                       |
| 21      |                                                   | 897.67                                               | 1114                                           | Y                       |
| 22      |                                                   | 768.05                                               | 1302                                           | Y                       |
| 23      |                                                   | 328.41                                               | 3045                                           | Y                       |
| 24      |                                                   | 615.76                                               | 1624                                           | Y                       |
| 25      |                                                   | 347.46                                               | 2878                                           | Y                       |
| 26      |                                                   | 973.71                                               | 1027                                           | Y                       |
| 27      |                                                   | 402.41                                               | 2485                                           | Y                       |
| 28      |                                                   | 625.00                                               | 1600                                           | Y                       |
| 29      |                                                   | 853.24                                               | 1172                                           | Y                       |
| 30      |                                                   | 849.62                                               | 1177                                           | Y                       |

**DFS Radar Parameters**  
**FCC Radar Type 2**  
**Channel 106 Bandwidth 80MHz**

| Trial # | Number Pulses per Burst | Pulse Width<br>(Microseconds) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|-------------------------|-------------------------------|------------------------------------------------|-------------------------|
| 1       | 26                      | 3.20                          | 179                                            | Y                       |
| 2       | 23                      | 1.10                          | 207                                            | Y                       |
| 3       | 24                      | 2.10                          | 230                                            | Y                       |
| 4       | 29                      | 4.80                          | 200                                            | Y                       |
| 5       | 28                      | 3.90                          | 214                                            | Y                       |
| 6       | 26                      | 2.90                          | 222                                            | Y                       |
| 7       | 26                      | 3.20                          | 204                                            | Y                       |
| 8       | 25                      | 2.50                          | 192                                            | Y                       |
| 9       | 26                      | 3.10                          | 164                                            | Y                       |
| 10      | 23                      | 1.20                          | 156                                            | Y                       |
| 11      | 27                      | 3.90                          | 210                                            | Y                       |
| 12      | 29                      | 4.60                          | 201                                            | Y                       |
| 13      | 26                      | 3.20                          | 162                                            | Y                       |
| 14      | 25                      | 2.20                          | 197                                            | Y                       |
| 15      | 29                      | 4.50                          | 163                                            | Y                       |
| 16      | 26                      | 3.00                          | 203                                            | Y                       |
| 17      | 29                      | 5.00                          | 168                                            | Y                       |
| 18      | 25                      | 2.40                          | 217                                            | Y                       |
| 19      | 26                      | 2.90                          | 191                                            | Y                       |
| 20      | 25                      | 2.30                          | 166                                            | Y                       |
| 21      | 27                      | 3.70                          | 150                                            | Y                       |
| 22      | 25                      | 2.20                          | 176                                            | Y                       |
| 23      | 29                      | 4.90                          | 195                                            | Y                       |
| 24      | 26                      | 2.90                          | 202                                            | Y                       |
| 25      | 25                      | 2.50                          | 178                                            | Y                       |
| 26      | 23                      | 1.10                          | 206                                            | Y                       |
| 27      | 27                      | 3.80                          | 155                                            | Y                       |
| 28      | 29                      | 4.70                          | 157                                            | Y                       |
| 29      | 25                      | 2.40                          | 224                                            | Y                       |
| 30      | 28                      | 4.20                          | 159                                            | Y                       |

**DFS Radar Parameters**  
**FCC Radar Type 3**  
**Channel 106 Bandwidth 80MHz**

| Trial # | Number Pulses per Burst | Pulse Width<br>(Microseconds) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|-------------------------|-------------------------------|------------------------------------------------|-------------------------|
| 1       | 17                      | 8.20                          | 355                                            | Y                       |
| 2       | 16                      | 6.10                          | 487                                            | Y                       |
| 3       | 16                      | 7.10                          | 344                                            | Y                       |
| 4       | 18                      | 9.80                          | 288                                            | Y                       |
| 5       | 18                      | 8.90                          | 230                                            | Y                       |
| 6       | 17                      | 7.90                          | 432                                            | Y                       |
| 7       | 17                      | 8.20                          | 207                                            | Y                       |
| 8       | 17                      | 7.50                          | 443                                            | Y                       |
| 9       | 17                      | 8.10                          | 439                                            | Y                       |
| 10      | 16                      | 6.20                          | 223                                            | Y                       |
| 11      | 18                      | 8.90                          | 208                                            | Y                       |
| 12      | 18                      | 9.60                          | 463                                            | Y                       |
| 13      | 17                      | 8.20                          | 441                                            | Y                       |
| 14      | 16                      | 7.20                          | 323                                            | Y                       |
| 15      | 18                      | 9.50                          | 297                                            | Y                       |
| 16      | 17                      | 8.00                          | 412                                            | Y                       |
| 17      | 18                      | 10.00                         | 324                                            | Y                       |
| 18      | 17                      | 7.40                          | 271                                            | Y                       |
| 19      | 17                      | 7.90                          | 349                                            | Y                       |
| 20      | 16                      | 7.30                          | 409                                            | Y                       |
| 21      | 18                      | 8.70                          | 373                                            | Y                       |
| 22      | 16                      | 7.20                          | 254                                            | Y                       |
| 23      | 18                      | 9.90                          | 274                                            | Y                       |
| 24      | 17                      | 7.90                          | 278                                            | Y                       |
| 25      | 17                      | 7.50                          | 317                                            | Y                       |
| 26      | 16                      | 6.10                          | 260                                            | Y                       |
| 27      | 18                      | 8.80                          | 211                                            | Y                       |
| 28      | 18                      | 9.70                          | 272                                            | Y                       |
| 29      | 17                      | 7.40                          | 264                                            | Y                       |
| 30      | 18                      | 9.20                          | 284                                            | Y                       |

**DFS Radar Parameters**  
**FCC Radar Type 4**  
**Channel 106 Bandwidth 80MHz**

| Trial # | Number Pulses per Burst | Pulse Width<br>(Microseconds) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|-------------------------|-------------------------------|------------------------------------------------|-------------------------|
| 1       | 14                      | 16.00                         | 355                                            | Y                       |
| 2       | 12                      | 11.30                         | 487                                            | Y                       |
| 3       | 13                      | 13.50                         | 344                                            | Y                       |
| 4       | 16                      | 19.40                         | 288                                            | Y                       |
| 5       | 15                      | 17.50                         | 230                                            | Y                       |
| 6       | 14                      | 15.30                         | 432                                            | Y                       |
| 7       | 14                      | 15.90                         | 207                                            | Y                       |
| 8       | 13                      | 14.30                         | 443                                            | Y                       |
| 9       | 14                      | 15.80                         | 439                                            | Y                       |
| 10      | 12                      | 11.50                         | 223                                            | Y                       |
| 11      | 15                      | 17.40                         | 208                                            | Y                       |
| 12      | 16                      | 19.00                         | 463                                            | Y                       |
| 13      | 14                      | 16.00                         | 441                                            | Y                       |
| 14      | 13                      | 13.80                         | 323                                            | Y                       |
| 15      | 16                      | 18.90                         | 297                                            | Y                       |
| 16      | 14                      | 15.50                         | 412                                            | Y                       |
| 17      | 16                      | 19.90                         | 324                                            | Y                       |
| 18      | 13                      | 14.10                         | 271                                            | Y                       |
| 19      | 14                      | 15.20                         | 349                                            | Y                       |
| 20      | 13                      | 13.80                         | 409                                            | Y                       |
| 21      | 15                      | 17.10                         | 373                                            | Y                       |
| 22      | 13                      | 13.80                         | 254                                            | Y                       |
| 23      | 16                      | 19.80                         | 274                                            | Y                       |
| 24      | 14                      | 15.30                         | 278                                            | Y                       |
| 25      | 13                      | 14.50                         | 317                                            | Y                       |
| 26      | 12                      | 11.30                         | 260                                            | Y                       |
| 27      | 15                      | 17.30                         | 211                                            | Y                       |
| 28      | 16                      | 19.20                         | 272                                            | Y                       |
| 29      | 13                      | 14.20                         | 264                                            | Y                       |
| 30      | 15                      | 18.20                         | 284                                            | Y                       |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 106 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 1                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 15                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5530                 |                                   |                                   |                                                |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 77.8                              | 13                   | 1477                              | 1665                              | 636185                                         |
| 2                          | 1                   | 51.9                              | 13                   | -                                 | 1074                              | 32674                                          |
| 3                          | 1                   | 63.8                              | 13                   | -                                 | 1584                              | 226294                                         |
| 4                          | 3                   | 96.6                              | 13                   | 1786                              | 1682                              | 417976                                         |
| 5                          | 3                   | 85.9                              | 13                   | 1215                              | 1795                              | 611152                                         |
| 6                          | 2                   | 73.7                              | 13                   | 1549                              | 1198                              | 8789                                           |
| 7                          | 2                   | 77.2                              | 13                   | 1819                              | 1837                              | 201917                                         |
| 8                          | 2                   | 68.4                              | 13                   | 1114                              | 1587                              | 395530                                         |
| 9                          | 2                   | 76.7                              | 13                   | 1155                              | 2000                              | 588564                                         |
| 10                         | 1                   | 53.2                              | 13                   | -                                 | 1147                              | 783794                                         |
| 11                         | 3                   | 85.7                              | 13                   | 1695                              | 1433                              | 177933                                         |
| 12                         | 3                   | 94.3                              | 13                   | 1426                              | 1670                              | 370624                                         |
| 13                         | 2                   | 77.6                              | 13                   | 1671                              | 1294                              | 564893                                         |
| 14                         | 1                   | 65.7                              | 13                   | -                                 | 1512                              | 759583                                         |
| 15                         | 3                   | 93.5                              | 13                   | 1130                              | 1444                              | 154262                                         |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 2                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 8                    |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5530                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 75                                | 5                    | 1527                              | 1880                              | 653020                                         |
| 2                          | 3                   | 99.4                              | 5                    | 1262                              | 1401                              | 1015643                                        |
| 3                          | 2                   | 67.4                              | 5                    | 1403                              | 1531                              | 1379398                                        |
| 4                          | 2                   | 73.6                              | 5                    | 1041                              | 1449                              | 245489                                         |
| 5                          | 1                   | 65.9                              | 5                    | -                                 | 1432                              | 609113                                         |
| 6                          | 3                   | 83.8                              | 5                    | 1292                              | 1356                              | 970852                                         |
| 7                          | 1                   | 65.5                              | 5                    | -                                 | 1543                              | 1335913                                        |
| 8                          | 3                   | 98.6                              | 5                    | 1796                              | 1548                              | 200406                                         |
| 9                          |                     |                                   |                      |                                   |                                   |                                                |
| 10                         |                     |                                   |                      |                                   |                                   |                                                |
| 11                         |                     |                                   |                      |                                   |                                   |                                                |
| 12                         |                     |                                   |                      |                                   |                                   |                                                |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 106 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 3                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 11                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5530                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 73.8                              | 9                    | 1538                              | 1806                              | 409565                                         |
| 2                          | 2                   | 69.5                              | 9                    | 1649                              | 1117                              | 673692                                         |
| 3                          | 1                   | 51.9                              | 9                    | -                                 | 1651                              | 938562                                         |
| 4                          | 3                   | 84.6                              | 9                    | 1032                              | 1976                              | 113209                                         |
| 5                          | 3                   | 95.4                              | 9                    | 1903                              | 1060                              | 376726                                         |
| 6                          | 2                   | 68                                | 9                    | 1351                              | 1368                              | 641212                                         |
| 7                          | 3                   | 89.6                              | 9                    | 1514                              | 1338                              | 903714                                         |
| 8                          | 2                   | 81.9                              | 9                    | 1689                              | 1022                              | 80863                                          |
| 9                          | 3                   | 88.3                              | 9                    | 1330                              | 1810                              | 344067                                         |
| 10                         | 1                   | 53.7                              | 9                    | -                                 | 1597                              | 609331                                         |
| 11                         | 3                   | 91.3                              | 9                    | 1106                              | 1961                              | 871542                                         |
| 12                         |                     |                                   |                      |                                   |                                   |                                                |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 4                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 11                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5530                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 68.1                              | 19                   | 1355                              | 1339                              | 26541                                          |
| 2                          | 1                   | 58.7                              | 19                   | -                                 | 1251                              | 171821                                         |
| 3                          | 2                   | 75.3                              | 19                   | 1640                              | 1136                              | 316229                                         |
| 4                          | 1                   | 56.4                              | 19                   | -                                 | 1753                              | 461864                                         |
| 5                          | 3                   | 99.7                              | 19                   | 1708                              | 1196                              | 8677                                           |
| 6                          | 1                   | 57.7                              | 19                   | -                                 | 1013                              | 153995                                         |
| 7                          | 1                   | 59.5                              | 19                   | -                                 | 1072                              | 299238                                         |
| 8                          | 2                   | 80                                | 19                   | 1369                              | 1482                              | 443177                                         |
| 9                          | 2                   | 82                                | 19                   | 1197                              | 1993                              | 587671                                         |
| 10                         | 2                   | 82.8                              | 19                   | 1005                              | 1883                              | 135674                                         |
| 11                         | 3                   | 88                                | 19                   | 1928                              | 1061                              | 279928                                         |
| 12                         | 3                   | 93.2                              | 19                   | 1907                              | 1207                              | 424279                                         |
| 13                         | 2                   | 70.4                              | 19                   | 1360                              | 1526                              | 570132                                         |
| 14                         | 3                   | 95.3                              | 19                   | 1955                              | 1171                              | 117439                                         |
| 15                         | 2                   | 81.9                              | 19                   | 1545                              | 1690                              | 262502                                         |
| 16                         | 3                   | 98.5                              | 19                   | 1169                              | 1975                              | 406573                                         |
| 17                         | 1                   | 65                                | 19                   | -                                 | 1767                              | 553328                                         |
| 18                         | 3                   | 85.4                              | 19                   | 1637                              | 1011                              | 99799                                          |
| 19                         | 3                   | 91.6                              | 19                   | 1445                              | 1878                              | 244095                                         |
| 20                         | 2                   | 67.3                              | 19                   | 1218                              | 1091                              | 390012                                         |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 106 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 5                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 17                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5530                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 67.9                              | 16                   | 1133                              | 1320                              | 629614                                         |
| 2                          | 1                   | 62.3                              | 16                   | -                                 | 1957                              | 96856                                          |
| 3                          | 1                   | 53.3                              | 16                   | -                                 | 1592                              | 267719                                         |
| 4                          | 3                   | 90                                | 16                   | 1153                              | 1900                              | 436784                                         |
| 5                          | 2                   | 77.1                              | 16                   | 1646                              | 1166                              | 608289                                         |
| 6                          | 3                   | 83.9                              | 16                   | 1232                              | 1278                              | 75610                                          |
| 7                          | 3                   | 89.1                              | 16                   | 1384                              | 1240                              | 245638                                         |
| 8                          | 2                   | 81.8                              | 16                   | 1676                              | 1833                              | 416355                                         |
| 9                          | 1                   | 50.3                              | 16                   | -                                 | 1075                              | 588736                                         |
| 10                         | 3                   | 87.1                              | 16                   | 1996                              | 1116                              | 54571                                          |
| 11                         | 2                   | 71.3                              | 16                   | 1815                              | 1225                              | 225175                                         |
| 12                         | 3                   | 97.5                              | 16                   | 1465                              | 1884                              | 394825                                         |
| 13                         | 3                   | 90.6                              | 16                   | 1040                              | 1561                              | 565361                                         |
| 14                         | 3                   | 86.3                              | 16                   | 1183                              | 1596                              | 33643                                          |
| 15                         | 3                   | 97.6                              | 16                   | 1073                              | 1365                              | 203957                                         |
| 16                         | 3                   | 84.7                              | 16                   | 1718                              | 1021                              | 373812                                         |
| 17                         | 3                   | 99.7                              | 16                   | 1244                              | 1150                              | 544060                                         |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 6                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 14                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5530                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 92.9                              | 12                   | 1564                              | 1085                              | 15438                                          |
| 2                          | 2                   | 67.7                              | 12                   | 1747                              | 1744                              | 222486                                         |
| 3                          | 1                   | 65.8                              | 12                   | -                                 | 1092                              | 430731                                         |
| 4                          | 1                   | 56.3                              | 12                   | -                                 | 1851                              | 637784                                         |
| 5                          | 1                   | 53.7                              | 12                   | -                                 | 1727                              | 845342                                         |
| 6                          | 3                   | 83.5                              | 12                   | 1930                              | 1679                              | 196720                                         |
| 7                          | 1                   | 65.8                              | 12                   | -                                 | 1519                              | 404955                                         |
| 8                          | 3                   | 85.9                              | 12                   | 1034                              | 1134                              | 610711                                         |
| 9                          | 2                   | 76.3                              | 12                   | 1926                              | 1606                              | 818057                                         |
| 10                         | 2                   | 81.5                              | 12                   | 1714                              | 1891                              | 171459                                         |
| 11                         | 3                   | 89.4                              | 12                   | 1594                              | 1310                              | 377969                                         |
| 12                         | 1                   | 63.4                              | 12                   | -                                 | 1568                              | 586875                                         |
| 13                         | 2                   | 69.6                              | 12                   | 1925                              | 1307                              | 792834                                         |
| 14                         | 2                   | 74.5                              | 12                   | 1846                              | 1264                              | 146044                                         |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 106 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 7                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 15                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5530                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 52.6                              | 10                   | -                                 | 1210                              | 51446                                          |
| 2                          | 3                   | 84.1                              | 10                   | 1725                              | 1314                              | 292696                                         |
| 3                          | 3                   | 97.7                              | 10                   | 1868                              | 1139                              | 533989                                         |
| 4                          | 3                   | 97.3                              | 10                   | 1446                              | 1341                              | 775564                                         |
| 5                          | 3                   | 98.8                              | 10                   | 1386                              | 1544                              | 21542                                          |
| 6                          | 2                   | 72.2                              | 10                   | 1184                              | 1771                              | 263385                                         |
| 7                          | 2                   | 67.6                              | 10                   | 1027                              | 1175                              | 505581                                         |
| 8                          | 2                   | 75.7                              | 10                   | 1871                              | 1026                              | 747058                                         |
| 9                          | 1                   | 60.9                              | 10                   | -                                 | 1798                              | 989976                                         |
| 10                         | 1                   | 64.2                              | 10                   | -                                 | 1138                              | 234024                                         |
| 11                         | 2                   | 78.8                              | 10                   | 1604                              | 1784                              | 475207                                         |
| 12                         | 3                   | 87.5                              | 10                   | 1712                              | 1511                              | 715825                                         |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 8                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5530                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 52.6                              | 10                   | -                                 | 1210                              | 51446                                          |
| 2                          | 3                   | 84.1                              | 10                   | 1725                              | 1314                              | 292696                                         |
| 3                          | 3                   | 97.7                              | 10                   | 1868                              | 1139                              | 533989                                         |
| 4                          | 3                   | 97.3                              | 10                   | 1446                              | 1341                              | 775564                                         |
| 5                          | 3                   | 98.8                              | 10                   | 1386                              | 1544                              | 21542                                          |
| 6                          | 2                   | 72.2                              | 10                   | 1184                              | 1771                              | 263385                                         |
| 7                          | 2                   | 67.6                              | 10                   | 1027                              | 1175                              | 505581                                         |
| 8                          | 2                   | 75.7                              | 10                   | 1871                              | 1026                              | 747058                                         |
| 9                          | 1                   | 60.9                              | 10                   | -                                 | 1798                              | 989976                                         |
| 10                         | 1                   | 64.2                              | 10                   | -                                 | 1138                              | 234024                                         |
| 11                         | 2                   | 78.8                              | 10                   | 1604                              | 1784                              | 475207                                         |
| 12                         | 3                   | 87.5                              | 10                   | 1712                              | 1511                              | 715825                                         |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 106 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 9                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 14                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5530                 |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 54.1                              | 13                   | -                                 | 1415                              | 823112                                         |
| 2                          | 1                   | 50.7                              | 13                   | -                                 | 1221                              | 174965                                         |
| 3                          | 1                   | 52.3                              | 13                   | -                                 | 1974                              | 382216                                         |
| 4                          | 3                   | 99.8                              | 13                   | 1696                              | 1558                              | 587395                                         |
| 5                          | 2                   | 68.4                              | 13                   | 1099                              | 1014                              | 796897                                         |
| 6                          | 2                   | 80.8                              | 13                   | 1505                              | 1736                              | 149042                                         |
| 7                          | 1                   | 62.5                              | 13                   | -                                 | 1778                              | 356750                                         |
| 8                          | 2                   | 74.8                              | 13                   | 1204                              | 1149                              | 563824                                         |
| 9                          | 1                   | 50.8                              | 13                   | -                                 | 1049                              | 772314                                         |
| 10                         | 1                   | 54                                | 13                   | -                                 | 1417                              | 123796                                         |
| 11                         | 1                   | 63                                | 13                   | -                                 | 1730                              | 331215                                         |
| 12                         | 3                   | 91.8                              | 13                   | 1270                              | 1143                              | 537402                                         |
| 13                         | 2                   | 79.3                              | 13                   | 1992                              | 1274                              | 744805                                         |
| 14                         | 1                   | 64.3                              | 13                   | -                                 | 1937                              | 98172                                          |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                  |                                | 10                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 8                    |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5530                 |                                   |                                   | Yes                                            |
| Burst                      | Number of Pulses | Pulse Width<br>(Microseconds ) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                | 63.4                           | 6                    | -                                 | 1043                              | 535615                                         |
| 2                          | 1                | 52                             | 6                    | -                                 | 1863                              | 898668                                         |
| 3                          | 3                | 97.2                           | 6                    | 1605                              | 1973                              | 1259235                                        |
| 4                          | 2                | 78.7                           | 6                    | 1743                              | 1466                              | 127106                                         |
| 5                          | 2                | 74.2                           | 6                    | 1219                              | 1280                              | 490358                                         |
| 6                          | 3                | 88.7                           | 6                    | 1934                              | 1293                              | 852409                                         |
| 7                          | 1                | 54.3                           | 6                    | -                                 | 1991                              | 1217152                                        |
| 8                          | 3                | 95.4                           | 6                    | 1555                              | 1580                              | 82296                                          |
| 9                          |                  |                                |                      |                                   |                                   |                                                |
| 10                         |                  |                                |                      |                                   |                                   |                                                |
| 11                         |                  |                                |                      |                                   |                                   |                                                |
| 12                         |                  |                                |                      |                                   |                                   |                                                |
| 13                         |                  |                                |                      |                                   |                                   |                                                |
| 14                         |                  |                                |                      |                                   |                                   |                                                |
| 15                         |                  |                                |                      |                                   |                                   |                                                |
| 16                         |                  |                                |                      |                                   |                                   |                                                |
| 17                         |                  |                                |                      |                                   |                                   |                                                |
| 18                         |                  |                                |                      |                                   |                                   |                                                |
| 19                         |                  |                                |                      |                                   |                                   |                                                |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 106 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 11                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 17                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5498.279             |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 73.7                              | 16                   | 1497                              | 1208                              | 209249                                         |
| 2                          | 3                   | 97.4                              | 16                   | 1754                              | 1942                              | 378386                                         |
| 3                          | 3                   | 91.7                              | 16                   | 1702                              | 1999                              | 548411                                         |
| 4                          | 1                   | 66.2                              | 16                   | -                                 | 1393                              | 17733                                          |
| 5                          | 2                   | 70.8                              | 16                   | 1821                              | 1968                              | 187952                                         |
| 6                          | 1                   | 52.3                              | 16                   | -                                 | 1740                              | 359277                                         |
| 7                          | 2                   | 78.9                              | 16                   | 1984                              | 1308                              | 528886                                         |
| 8                          | 2                   | 70.9                              | 16                   | 1358                              | 1050                              | 700166                                         |
| 9                          | 2                   | 75.6                              | 16                   | 1430                              | 1437                              | 167197                                         |
| 10                         | 1                   | 59.1                              | 16                   | -                                 | 1697                              | 338262                                         |
| 11                         | 2                   | 77                                | 16                   | 1304                              | 1397                              | 508324                                         |
| 12                         | 2                   | 67.9                              | 16                   | 1083                              | 1803                              | 678689                                         |
| 13                         | 2                   | 81.2                              | 16                   | 1932                              | 1720                              | 146031                                         |
| 14                         | 2                   | 78.7                              | 16                   | 1121                              | 1247                              | 316923                                         |
| 15                         | 1                   | 63.3                              | 16                   | -                                 | 1634                              | 488056                                         |
| 16                         | 2                   | 68.9                              | 16                   | 1423                              | 1849                              | 657326                                         |
| 17                         | 1                   | 59.3                              | 16                   | -                                 | 1093                              | 125509                                         |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 12                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 19                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5499.479             |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 98.9                              | 19                   | 1680                              | 1381                              | 263736                                         |
| 2                          | 2                   | 82.3                              | 19                   | 1855                              | 1716                              | 416459                                         |
| 3                          | 3                   | 86.7                              | 19                   | 1400                              | 1211                              | 567902                                         |
| 4                          | 3                   | 89.7                              | 19                   | 1068                              | 1861                              | 92979                                          |
| 5                          | 3                   | 98.6                              | 19                   | 1194                              | 1507                              | 245155                                         |
| 6                          | 2                   | 71.1                              | 19                   | 1789                              | 1921                              | 397609                                         |
| 7                          | 1                   | 55.9                              | 19                   | -                                 | 1947                              | 551431                                         |
| 8                          | 2                   | 67.9                              | 19                   | 1372                              | 1350                              | 74413                                          |
| 9                          | 3                   | 84.4                              | 19                   | 1107                              | 1203                              | 226559                                         |
| 10                         | 1                   | 58.8                              | 19                   | -                                 | 1715                              | 380056                                         |
| 11                         | 1                   | 65.6                              | 19                   | -                                 | 1017                              | 533408                                         |
| 12                         | 2                   | 78.5                              | 19                   | 1704                              | 1911                              | 55547                                          |
| 13                         | 2                   | 82.3                              | 19                   | 1686                              | 1845                              | 207876                                         |
| 14                         | 3                   | 90.1                              | 19                   | 1071                              | 1938                              | 359771                                         |
| 15                         | 3                   | 90.2                              | 19                   | 1089                              | 1989                              | 511297                                         |
| 16                         | 2                   | 83.1                              | 19                   | 1406                              | 1943                              | 36803                                          |
| 17                         | 1                   | 58.8                              | 19                   | -                                 | 1742                              | 189652                                         |
| 18                         | 2                   | 77                                | 19                   | 1657                              | 1187                              | 341809                                         |
| 19                         | 1                   | 55                                | 19                   | -                                 | 1012                              | 495737                                         |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 106 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 13                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 15                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5497.079             |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 58.1                              | 13                   | -                                 | 1929                              | 22911                                          |
| 2                          | 1                   | 52.1                              | 13                   | -                                 | 1910                              | 216473                                         |
| 3                          | 1                   | 59.9                              | 13                   | -                                 | 1971                              | 410004                                         |
| 4                          | 1                   | 60.2                              | 13                   | -                                 | 1812                              | 603671                                         |
| 5                          | 3                   | 95.9                              | 13                   | 1906                              | 1399                              | 794160                                         |
| 6                          | 2                   | 79.9                              | 13                   | 1859                              | 1626                              | 192251                                         |
| 7                          | 2                   | 78.5                              | 13                   | 1917                              | 1238                              | 385590                                         |
| 8                          | 1                   | 53.8                              | 13                   | -                                 | 1763                              | 579862                                         |
| 9                          | 1                   | 64.7                              | 13                   | -                                 | 1800                              | 773423                                         |
| 10                         | 1                   | 61.4                              | 13                   | -                                 | 1390                              | 168898                                         |
| 11                         | 2                   | 83.2                              | 13                   | 1858                              | 1692                              | 361606                                         |
| 12                         | 3                   | 84.7                              | 13                   | 1677                              | 1533                              | 553866                                         |
| 13                         | 3                   | 88.7                              | 13                   | 1528                              | 1703                              | 747241                                         |
| 14                         | 2                   | 78.3                              | 13                   | 1951                              | 1258                              | 144710                                         |
| 15                         | 2                   | 69.3                              | 13                   | 1717                              | 1731                              | 337856                                         |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 14                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5495.7195            |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 75.3                              | 10                   | 1612                              | 1994                              | 664275                                         |
| 2                          | 1                   | 56.3                              | 10                   | -                                 | 1456                              | 907886                                         |
| 3                          | 2                   | 67.7                              | 10                   | 1185                              | 1617                              | 151316                                         |
| 4                          | 1                   | 55.6                              | 10                   | -                                 | 1337                              | 393746                                         |
| 5                          | 2                   | 75.2                              | 10                   | 1267                              | 1421                              | 635093                                         |
| 6                          | 2                   | 76.3                              | 10                   | 1305                              | 1359                              | 876993                                         |
| 7                          | 3                   | 85.7                              | 10                   | 1362                              | 1547                              | 121278                                         |
| 8                          | 3                   | 98.4                              | 10                   | 1550                              | 1873                              | 362696                                         |
| 9                          | 3                   | 86.4                              | 10                   | 1439                              | 1779                              | 604342                                         |
| 10                         | 3                   | 93.6                              | 10                   | 1031                              | 1059                              | 846453                                         |
| 11                         | 1                   | 63.3                              | 10                   | -                                 | 1328                              | 91871                                          |
| 12                         | 3                   | 92.4                              | 10                   | 1673                              | 1412                              | 333050                                         |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 106 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 15                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 19                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5499.079             |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 93.3                              | 18                   | 1912                              | 1983                              | 361323                                         |
| 2                          | 2                   | 69.1                              | 18                   | 1794                              | 1102                              | 515261                                         |
| 3                          | 3                   | 86.9                              | 18                   | 1152                              | 1044                              | 39025                                          |
| 4                          | 3                   | 84.9                              | 18                   | 1948                              | 1894                              | 190900                                         |
| 5                          | 2                   | 72.3                              | 18                   | 1916                              | 1094                              | 343941                                         |
| 6                          | 1                   | 51.7                              | 18                   | -                                 | 1447                              | 497624                                         |
| 7                          | 1                   | 58.3                              | 18                   | -                                 | 1429                              | 20319                                          |
| 8                          | 1                   | 60.8                              | 18                   | -                                 | 1979                              | 172999                                         |
| 9                          | 1                   | 57.1                              | 18                   | -                                 | 1641                              | 325872                                         |
| 10                         | 3                   | 88.9                              | 18                   | 1964                              | 1886                              | 475841                                         |
| 11                         | 2                   | 72                                | 18                   | 1297                              | 1909                              | 1489                                           |
| 12                         | 3                   | 90.9                              | 18                   | 1566                              | 1261                              | 153647                                         |
| 13                         | 1                   | 59.8                              | 18                   | -                                 | 1552                              | 307096                                         |
| 14                         | 2                   | 70                                | 18                   | 1291                              | 1759                              | 458804                                         |
| 15                         | 2                   | 67.2                              | 18                   | 1881                              | 1625                              | 610798                                         |
| 16                         | 3                   | 91.2                              | 18                   | 1832                              | 1382                              | 134759                                         |
| 17                         | 1                   | 56.5                              | 18                   | -                                 | 1483                              | 288306                                         |
| 18                         | 1                   | 51.2                              | 18                   | -                                 | 1237                              | 441296                                         |
| 19                         | 2                   | 74.1                              | 18                   | 1245                              | 1471                              | 592780                                         |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 16                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 14                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5496.679             |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 76.9                              | 12                   | 1140                              | 1110                              | 158286                                         |
| 2                          | 1                   | 50.2                              | 12                   | -                                 | 1316                              | 366024                                         |
| 3                          | 1                   | 62.9                              | 12                   | -                                 | 1520                              | 573452                                         |
| 4                          | 1                   | 64.7                              | 12                   | -                                 | 1902                              | 780619                                         |
| 5                          | 3                   | 83.8                              | 12                   | 1097                              | 1410                              | 132455                                         |
| 6                          | 1                   | 65.4                              | 12                   | -                                 | 1944                              | 340207                                         |
| 7                          | 1                   | 53.2                              | 12                   | -                                 | 1024                              | 548208                                         |
| 8                          | 1                   | 51.7                              | 12                   | -                                 | 1603                              | 755333                                         |
| 9                          | 2                   | 78.7                              | 12                   | 1168                              | 1804                              | 107117                                         |
| 10                         | 2                   | 72.4                              | 12                   | 1343                              | 1030                              | 314500                                         |
| 11                         | 1                   | 53.8                              | 12                   | -                                 | 1327                              | 522447                                         |
| 12                         | 2                   | 73.6                              | 12                   | 1553                              | 1524                              | 728517                                         |
| 13                         | 2                   | 66.7                              | 12                   | 1122                              | 1722                              | 81611                                          |
| 14                         | 2                   | 82.5                              | 12                   | 1019                              | 1404                              | 288948                                         |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 106 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 17                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 20                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5499.879             |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 87.6                              | 20                   | 1055                              | 1565                              | 345766                                         |
| 2                          | 3                   | 85.2                              | 20                   | 1541                              | 1735                              | 490019                                         |
| 3                          | 3                   | 84.8                              | 20                   | 1889                              | 1534                              | 39073                                          |
| 4                          | 2                   | 77.9                              | 20                   | 1460                              | 1749                              | 183923                                         |
| 5                          | 2                   | 76.5                              | 20                   | 1485                              | 1518                              | 328777                                         |
| 6                          | 1                   | 60.9                              | 20                   | -                                 | 1540                              | 474728                                         |
| 7                          | 2                   | 83                                | 20                   | 1010                              | 1080                              | 21394                                          |
| 8                          | 2                   | 80.4                              | 20                   | 1752                              | 1824                              | 165992                                         |
| 9                          | 2                   | 67.5                              | 20                   | 1181                              | 1764                              | 310973                                         |
| 10                         | 1                   | 62.1                              | 20                   | -                                 | 1495                              | 456884                                         |
| 11                         | 3                   | 86.4                              | 20                   | 1966                              | 1773                              | 3515                                           |
| 12                         | 3                   | 84.3                              | 20                   | 1188                              | 1593                              | 147928                                         |
| 13                         | 2                   | 76.9                              | 20                   | 1537                              | 1226                              | 293225                                         |
| 14                         | 3                   | 95.8                              | 20                   | 1298                              | 1192                              | 436922                                         |
| 15                         | 1                   | 55.2                              | 20                   | -                                 | 1644                              | 584015                                         |
| 16                         | 1                   | 59                                | 20                   | -                                 | 1402                              | 130832                                         |
| 17                         | 3                   | 94.5                              | 20                   | 1700                              | 1296                              | 274684                                         |
| 18                         | 3                   | 91.9                              | 20                   | 1978                              | 1970                              | 418579                                         |
| 19                         | 3                   | 85.2                              | 20                   | 1551                              | 1732                              | 563464                                         |
| 20                         | 2                   | 69.5                              | 20                   | 1224                              | 1038                              | 112787                                         |

| Trial Number:              |                     |                                   | 18                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5495.879             |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 86.4                              | 10                   | 1918                              | 1259                              | 429224                                         |
| 2                          | 3                   | 92.2                              | 10                   | 1719                              | 1598                              | 670241                                         |
| 3                          | 2                   | 80.4                              | 10                   | 1899                              | 1816                              | 912880                                         |
| 4                          | 1                   | 54.3                              | 10                   | -                                 | 1335                              | 158603                                         |
| 5                          | 1                   | 53.1                              | 10                   | -                                 | 1303                              | 400824                                         |
| 6                          | 2                   | 69.4                              | 10                   | 1546                              | 1503                              | 641915                                         |
| 7                          | 2                   | 69.1                              | 10                   | 1639                              | 1279                              | 883823                                         |
| 8                          | 3                   | 100                               | 10                   | 1438                              | 1375                              | 128373                                         |
| 9                          | 2                   | 79.6                              | 10                   | 1705                              | 1239                              | 370379                                         |
| 10                         | 3                   | 88.4                              | 10                   | 1579                              | 1374                              | 611194                                         |
| 11                         | 1                   | 53.3                              | 10                   | -                                 | 1016                              | 855665                                         |
| 12                         | 1                   | 65.3                              | 10                   | -                                 | 1709                              | 98897                                          |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 106 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 19                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 14                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5496.679             |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 55.3                              | 12                   | -                                 | 1920.000                          | 292143                                         |
| 2                          | 1                   | 58.3                              | 12                   | -                                 | 1797.000                          | 499633                                         |
| 3                          | 2                   | 72.3                              | 12                   | 1039.000                          | 1610.000                          | 706377                                         |
| 4                          | 3                   | 84.8                              | 12                   | 1761.000                          | 1131.000                          | 58989                                          |
| 5                          | 2                   | 82.5                              | 12                   | 1431.000                          | 1875.000                          | 266161                                         |
| 6                          | 1                   | 63.3                              | 12                   | -                                 | 1095.000                          | 474469                                         |
| 7                          | 2                   | 80                                | 12                   | 1913.000                          | 1119.000                          | 680544                                         |
| 8                          | 3                   | 90.3                              | 12                   | 1853.000                          | 1660.000                          | 33519                                          |
| 9                          | 3                   | 91.1                              | 12                   | 1783.000                          | 1539.000                          | 240319                                         |
| 10                         | 3                   | 96.6                              | 12                   | 1036.000                          | 1525.000                          | 447400                                         |
| 11                         | 2                   | 82.7                              | 12                   | 1990.000                          | 1710.000                          | 654516                                         |
| 12                         | 1                   | 50.7                              | 12                   | -                                 | 1234.000                          | 8083                                           |
| 13                         | 2                   | 78.4                              | 12                   | 1109.000                          | 1047.000                          | 215435                                         |
| 14                         | 3                   | 99.5                              | 12                   | 1965.000                          | 1299.000                          | 421325                                         |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 20                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5495.879             |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 88.6                              | 10                   | 1067                              | 1501                              | 733725                                         |
| 2                          | 1                   | 57.4                              | 10                   | -                                 | 1723                              | 977882                                         |
| 3                          | 3                   | 96.6                              | 10                   | 1658                              | 1086                              | 221197                                         |
| 4                          | 2                   | 69.7                              | 10                   | 1945                              | 1751                              | 462915                                         |
| 5                          | 2                   | 77.9                              | 10                   | 1317                              | 1642                              | 705071                                         |
| 6                          | 1                   | 62                                | 10                   | -                                 | 1866                              | 947923                                         |
| 7                          | 3                   | 88.4                              | 10                   | 1077                              | 1997                              | 191373                                         |
| 8                          | 3                   | 97.3                              | 10                   | 1896                              | 1790                              | 432561                                         |
| 9                          | 3                   | 96.2                              | 10                   | 1787                              | 1391                              | 674004                                         |
| 10                         | 3                   | 95.4                              | 10                   | 1892                              | 1020                              | 915842                                         |
| 11                         | 1                   | 54.8                              | 10                   | -                                 | 1084                              | 162176                                         |
| 12                         | 2                   | 80.4                              | 10                   | 1436                              | 1850                              | 403553                                         |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 106 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 21                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 16                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5562.121             |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 74.7                              | 15                   | 1611                              | 1619                              | 483470                                         |
| 2                          | 1                   | 57.1                              | 15                   | -                                 | 1560                              | 666072                                         |
| 3                          | 3                   | 91.9                              | 15                   | 1475                              | 1392                              | 98810                                          |
| 4                          | 2                   | 83.1                              | 15                   | 1772                              | 1809                              | 279914                                         |
| 5                          | 1                   | 50.7                              | 15                   | -                                 | 1003                              | 462536                                         |
| 6                          | 2                   | 79.2                              | 15                   | 1600                              | 1574                              | 642324                                         |
| 7                          | 1                   | 58.7                              | 15                   | -                                 | 1186                              | 76831                                          |
| 8                          | 2                   | 71                                | 15                   | 1567                              | 1521                              | 257785                                         |
| 9                          | 2                   | 79                                | 15                   | 1960                              | 1777                              | 438554                                         |
| 10                         | 2                   | 68.5                              | 15                   | 1428                              | 1284                              | 620397                                         |
| 11                         | 2                   | 73.5                              | 15                   | 1352                              | 1904                              | 54310                                          |
| 12                         | 2                   | 70.5                              | 15                   | 1115                              | 1864                              | 235506                                         |
| 13                         | 2                   | 76.6                              | 15                   | 1300                              | 1045                              | 417036                                         |
| 14                         | 2                   | 81.2                              | 15                   | 1675                              | 1160                              | 597974                                         |
| 15                         | 1                   | 61.8                              | 15                   | -                                 | 1277                              | 32086                                          |
| 16                         | 3                   | 94.9                              | 15                   | 1206                              | 1450                              | 212751                                         |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 22                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5564.521             |                                   |                                   | No                                             |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 78.5                              | 9                    | 1698                              | 1653                              | 526149                                         |
| 2                          | 3                   | 89.8                              | 9                    | 1962                              | 1174                              | 767135                                         |
| 3                          | 1                   | 59.4                              | 9                    | -                                 | 1982                              | 12955                                          |
| 4                          | 2                   | 79.6                              | 9                    | 1890                              | 1633                              | 254612                                         |
| 5                          | 2                   | 76                                | 9                    | 1811                              | 1112                              | 496588                                         |
| 6                          | 1                   | 53.6                              | 9                    | -                                 | 1144                              | 739728                                         |
| 7                          | 2                   | 80.9                              | 9                    | 1053                              | 1220                              | 980872                                         |
| 8                          | 1                   | 61.6                              | 9                    | -                                 | 1724                              | 225249                                         |
| 9                          | 1                   | 53.4                              | 9                    | -                                 | 1901                              | 467279                                         |
| 10                         | 1                   | 59.9                              | 9                    | -                                 | 1379                              | 709720                                         |
| 11                         | 1                   | 60.4                              | 9                    | -                                 | 1453                              | 951847                                         |
| 12                         | 3                   | 91.4                              | 9                    | 1726                              | 1768                              | 194839                                         |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 106 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 23                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 20                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5560.121             |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 77                                | 20                   | 1363                              | 1191                              | 261858                                         |
| 2                          | 1                   | 58.1                              | 20                   | -                                 | 1248                              | 407646                                         |
| 3                          | 1                   | 62.1                              | 20                   | -                                 | 1836                              | 552319                                         |
| 4                          | 2                   | 76.9                              | 20                   | 1236                              | 1334                              | 99107                                          |
| 5                          | 2                   | 80                                | 20                   | 1852                              | 1914                              | 243514                                         |
| 6                          | 1                   | 52                                | 20                   | -                                 | 1701                              | 389464                                         |
| 7                          | 3                   | 88.6                              | 20                   | 1995                              | 1693                              | 531093                                         |
| 8                          | 2                   | 72.9                              | 20                   | 1387                              | 1922                              | 81159                                          |
| 9                          | 3                   | 98.5                              | 20                   | 1746                              | 1839                              | 225245                                         |
| 10                         | 1                   | 57.9                              | 20                   | -                                 | 1193                              | 371906                                         |
| 11                         | 3                   | 95.9                              | 20                   | 1870                              | 1659                              | 514197                                         |
| 12                         | 1                   | 53.5                              | 20                   | -                                 | 1162                              | 63561                                          |
| 13                         | 3                   | 92                                | 20                   | 1654                              | 1745                              | 207510                                         |
| 14                         | 1                   | 57.3                              | 20                   | -                                 | 1834                              | 353638                                         |
| 15                         | 2                   | 70.5                              | 20                   | 1586                              | 1684                              | 497515                                         |
| 16                         | 2                   | 70                                | 20                   | 1664                              | 1042                              | 45553                                          |
| 17                         | 3                   | 84                                | 20                   | 1630                              | 1765                              | 189821                                         |
| 18                         | 2                   | 76.1                              | 20                   | 1057                              | 1557                              | 335330                                         |
| 19                         | 3                   | 93.2                              | 20                   | 1018                              | 1985                              | 478825                                         |
| 20                         | 3                   | 96.8                              | 20                   | 1614                              | 1760                              | 27594                                          |

| Trial Number:              |                     |                                   | 24                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 14                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5563.321             |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 50.1                              | 12                   | -                                 | 1841                              | 247117                                         |
| 2                          | 3                   | 93.5                              | 12                   | 1081                              | 1590                              | 453362                                         |
| 3                          | 2                   | 68.8                              | 12                   | 1577                              | 1707                              | 660875                                         |
| 4                          | 1                   | 56.3                              | 12                   | -                                 | 1056                              | 14140                                          |
| 5                          | 3                   | 86                                | 12                   | 1108                              | 1953                              | 220734                                         |
| 6                          | 2                   | 75.2                              | 12                   | 1536                              | 1572                              | 428367                                         |
| 7                          | 1                   | 54.4                              | 12                   | -                                 | 1517                              | 636681                                         |
| 8                          | 2                   | 71.1                              | 12                   | 1243                              | 1329                              | 843157                                         |
| 9                          | 2                   | 76.2                              | 12                   | 1770                              | 1940                              | 195585                                         |
| 10                         | 2                   | 80.2                              | 12                   | 1209                              | 1098                              | 403231                                         |
| 11                         | 2                   | 79.7                              | 12                   | 1214                              | 1588                              | 610202                                         |
| 12                         | 3                   | 90.9                              | 12                   | 1862                              | 1615                              | 815229                                         |
| 13                         | 2                   | 68.7                              | 12                   | 1441                              | 1377                              | 170267                                         |
| 14                         | 2                   | 67.4                              | 12                   | 1313                              | 1872                              | 377306                                         |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 106 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 25                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 13                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5563.721             |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 94                                | 11                   | 1748                              | 1643                              | 628071                                         |
| 2                          | 2                   | 70.8                              | 11                   | 1201                              | 1177                              | 853391                                         |
| 3                          | 1                   | 56.3                              | 11                   | -                                 | 1006                              | 156223                                         |
| 4                          | 3                   | 96.7                              | 11                   | 1163                              | 1230                              | 378734                                         |
| 5                          | 3                   | 90.6                              | 11                   | 1582                              | 1217                              | 601331                                         |
| 6                          | 2                   | 74.5                              | 11                   | 1281                              | 1569                              | 825462                                         |
| 7                          | 3                   | 92.6                              | 11                   | 1669                              | 1065                              | 128265                                         |
| 8                          | 3                   | 89                                | 11                   | 1135                              | 1493                              | 351161                                         |
| 9                          | 3                   | 96.5                              | 11                   | 1822                              | 1607                              | 573425                                         |
| 10                         | 2                   | 70.5                              | 11                   | 1178                              | 1141                              | 798431                                         |
| 11                         | 3                   | 94                                | 11                   | 1629                              | 1009                              | 100737                                         |
| 12                         | 1                   | 55.8                              | 11                   | -                                 | 1290                              | 324661                                         |
| 13                         | 3                   | 87.7                              | 11                   | 1963                              | 1435                              | 546278                                         |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 26                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 8                    |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5566.121             |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 2                   | 68.6                              | 5                    | 1161                              | 1306                              | 1253842                                        |
| 2                          | 2                   | 83.1                              | 5                    | 1315                              | 1420                              | 119486                                         |
| 3                          | 1                   | 60.9                              | 5                    | -                                 | 1687                              | 482958                                         |
| 4                          | 2                   | 77.7                              | 5                    | 1158                              | 1776                              | 845641                                         |
| 5                          | 2                   | 77.4                              | 5                    | 1510                              | 1793                              | 1208428                                        |
| 6                          | 2                   | 66.8                              | 5                    | 1323                              | 1576                              | 74748                                          |
| 7                          | 1                   | 63.7                              | 5                    | -                                 | 1333                              | 438300                                         |
| 8                          | 3                   | 91.2                              | 5                    | 1681                              | 1409                              | 800152                                         |
| 9                          |                     |                                   |                      |                                   |                                   |                                                |
| 10                         |                     |                                   |                      |                                   |                                   |                                                |
| 11                         |                     |                                   |                      |                                   |                                   |                                                |
| 12                         |                     |                                   |                      |                                   |                                   |                                                |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 106 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 27                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 17                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5561.721             |                                   |                                   | Yes                                            |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 83.6                              | 16                   | 1195                              | 1632                              | 545865                                         |
| 2                          | 3                   | 89.4                              | 16                   | 1627                              | 1173                              | 14067                                          |
| 3                          | 1                   | 55.8                              | 16                   | -                                 | 1532                              | 184953                                         |
| 4                          | 3                   | 90.9                              | 16                   | 1554                              | 1981                              | 353759                                         |
| 5                          | 1                   | 54.7                              | 16                   | -                                 | 1825                              | 526388                                         |
| 6                          | 3                   | 97.7                              | 16                   | 1202                              | 1734                              | 694806                                         |
| 7                          | 2                   | 67.5                              | 16                   | 1434                              | 1571                              | 163568                                         |
| 8                          | 3                   | 96.7                              | 16                   | 1469                              | 1589                              | 333410                                         |
| 9                          | 2                   | 68.3                              | 16                   | 1954                              | 1750                              | 504006                                         |
| 10                         | 2                   | 78.3                              | 16                   | 1082                              | 1591                              | 675297                                         |
| 11                         | 1                   | 55                                | 16                   | -                                 | 1427                              | 142890                                         |
| 12                         | 3                   | 84.9                              | 16                   | 1936                              | 1129                              | 312479                                         |
| 13                         | 2                   | 74.6                              | 16                   | 1856                              | 1959                              | 482953                                         |
| 14                         | 1                   | 63.3                              | 16                   | -                                 | 1885                              | 655022                                         |
| 15                         | 3                   | 99.8                              | 16                   | 1515                              | 1035                              | 121457                                         |
| 16                         | 1                   | 63.6                              | 16                   | -                                 | 1647                              | 292606                                         |
| 17                         | 3                   | 87.3                              | 16                   | 1051                              | 1931                              | 461322                                         |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 28                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 19                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5560.521             |                                   |                                   | No                                             |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                   | 85.6                              | 19                   | 1078                              | 1946                              | 565136                                         |
| 2                          | 2                   | 68.6                              | 19                   | 1780                              | 1029                              | 89970                                          |
| 3                          | 1                   | 54.2                              | 19                   | -                                 | 1111                              | 243121                                         |
| 4                          | 1                   | 61.2                              | 19                   | -                                 | 1104                              | 396034                                         |
| 5                          | 3                   | 97.1                              | 19                   | 1969                              | 1157                              | 546225                                         |
| 6                          | 3                   | 98.3                              | 19                   | 1699                              | 1142                              | 70998                                          |
| 7                          | 1                   | 62.4                              | 19                   | -                                 | 1655                              | 224093                                         |
| 8                          | 2                   | 80.2                              | 19                   | 1769                              | 1126                              | 376127                                         |
| 9                          | 3                   | 87.5                              | 19                   | 1448                              | 1216                              | 527806                                         |
| 10                         | 3                   | 85.8                              | 19                   | 1348                              | 1847                              | 52247                                          |
| 11                         | 3                   | 88.1                              | 19                   | 1124                              | 1023                              | 204582                                         |
| 12                         | 1                   | 65.3                              | 19                   | -                                 | 1848                              | 357941                                         |
| 13                         | 1                   | 52.5                              | 19                   | -                                 | 1470                              | 510977                                         |
| 14                         | 1                   | 52.3                              | 19                   | -                                 | 1312                              | 33698                                          |
| 15                         | 2                   | 74.1                              | 19                   | 1200                              | 1915                              | 186023                                         |
| 16                         | 1                   | 54.9                              | 19                   | -                                 | 1479                              | 339327                                         |
| 17                         | 2                   | 76.2                              | 19                   | 1502                              | 1376                              | 491053                                         |
| 18                         | 1                   | 60.4                              | 19                   | -                                 | 1758                              | 14858                                          |
| 19                         | 2                   | 81.5                              | 19                   | 1103                              | 1491                              | 167387                                         |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 106 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 29                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5564.121             |                                   |                                   | No                                             |
| Burst                      | Number of<br>Pulses | Pulse Width<br>(Microseconds<br>) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing<br>(μsec) | Pulse 2-to-3<br>Spacing<br>(μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 1                   | 50.5                              | 10                   | -                                 | 1857                              | 507709                                         |
| 2                          | 1                   | 55.7                              | 10                   | -                                 | 1246                              | 750249                                         |
| 3                          | 3                   | 85.8                              | 10                   | 1002                              | 1774                              | 989003                                         |
| 4                          | 2                   | 76.9                              | 10                   | 1474                              | 1125                              | 235634                                         |
| 5                          | 2                   | 75.1                              | 10                   | 1052                              | 1254                              | 477675                                         |
| 6                          | 3                   | 92.3                              | 10                   | 1486                              | 1180                              | 718312                                         |
| 7                          | 2                   | 78.1                              | 10                   | 1757                              | 1301                              | 960895                                         |
| 8                          | 3                   | 92.2                              | 10                   | 1252                              | 1898                              | 205370                                         |
| 9                          | 3                   | 89                                | 10                   | 1706                              | 1260                              | 446940                                         |
| 10                         | 2                   | 70.9                              | 10                   | 1620                              | 1578                              | 689225                                         |
| 11                         | 1                   | 63.1                              | 10                   | -                                 | 1782                              | 932305                                         |
| 12                         | 1                   | 55.3                              | 10                   | -                                 | 1522                              | 176231                                         |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                  |                                | 30                   |                                |                                | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|--------------------------------|--------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 18                   |                                |                                |                                                |
| Chirp Center Frequency:    |                  |                                | 5561.321             |                                |                                | Yes                                            |
| Burst                      | Number of Pulses | Pulse Width<br>(Microseconds ) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>Spacing (μsec) | Pulse 2-to-3<br>Spacing (μsec) | Starting Location<br>Within Interval<br>(μsec) |
| 1                          | 3                | 83.4                           | 17                   | 1205                           | 1454                           | 277485                                         |
| 2                          | 3                | 97.3                           | 17                   | 1826                           | 1319                           | 437880                                         |
| 3                          | 3                | 90.4                           | 17                   | 1986                           | 1079                           | 598445                                         |
| 4                          | 3                | 91.8                           | 17                   | 1151                           | 1563                           | 97088                                          |
| 5                          | 3                | 98.2                           | 17                   | 1977                           | 1876                           | 257251                                         |
| 6                          | 1                | 59.5                           | 17                   | -                              | 1952                           | 419893                                         |
| 7                          | 2                | 80                             | 17                   | 1137                           | 1253                           | 580724                                         |
| 8                          | 3                | 86.5                           | 17                   | 1128                           | 1054                           | 77366                                          |
| 9                          | 3                | 91.1                           | 17                   | 1599                           | 1105                           | 238032                                         |
| 10                         | 3                | 93.5                           | 17                   | 1373                           | 1867                           | 398605                                         |
| 11                         | 1                | 60.7                           | 17                   | -                              | 1033                           | 562025                                         |
| 12                         | 2                | 67.2                           | 17                   | 1405                           | 1288                           | 57684                                          |
| 13                         | 1                | 61.8                           | 17                   | -                              | 1585                           | 219083                                         |
| 14                         | 2                | 79.4                           | 17                   | 1667                           | 1933                           | 379234                                         |
| 15                         | 2                | 81.4                           | 17                   | 1464                           | 1096                           | 540896                                         |
| 16                         | 1                | 65.7                           | 17                   | -                              | 1496                           | 37916                                          |
| 17                         | 2                | 76                             | 17                   | 1255                           | 1733                           | 198794                                         |
| 18                         | 2                | 81                             | 17                   | 1668                           | 1326                           | 359754                                         |
| 19                         |                  |                                |                      |                                |                                |                                                |
| 20                         |                  |                                |                      |                                |                                |                                                |