



# FCC DFS TEST REPORT

**FCC ID** : TVE-240201  
**Equipment** : Network Security Gateway  
**Brand Name** : FORTINET  
**Model Name** : FWF-30Gxxxxxxxxxx, FortiWiFi 30GXXXXXXXXXX,  
FORTIWIFI-30Gxxxxxxxxxx, FWF-31Gxxxxxxxxxx,  
FortiWiFi 31GXXXXXXXXXX, FORTIWIFI-31Gxxxxxxxxxx  
(Where "x" can be used as "A-Z", or "0-9", or "-", or blank  
for software changes or marketing purposes only)  
**Applicant** : Fortinet, Inc.  
909 Kifer Road, Sunnyvale, CA 94086, USA  
**Manufacturer** : Fortinet, Inc.  
909 Kifer Road, Sunnyvale CA 94086, USA  
**Standard** : FCC Part 15 Subpart E

The product was received on Jun. 04, 2024 and testing was performed from Jun. 10, 2024 to Jun. 14, 2024. We, Sporton International (USA) Inc., 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 test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (USA) Inc., the test report shall not be reproduced except in full.

Approved by: Neil Kao

**Sporton International (USA) Inc.**  
1175 Montague Expressway, Milpitas, CA 95035

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## History of this test report

| Report No.  | Version | Description             | Issue Date    |
|-------------|---------|-------------------------|---------------|
| FZ240603003 | 01      | Initial issue of report | Aug. 01, 2024 |
|             |         |                         |               |
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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               | -      |

**Conformity Assessment Condition:**

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

**Disclaimer:**

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

# 1 General Description

## 1.1 Feature of Equipment Under Test

| Product Feature |                                                                                                                                                                                                                                                                |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Equipment       | Network Security Gateway                                                                                                                                                                                                                                       |
| Model Name      | FWF-30Gxxxxxxxxxx, FortiWiFi 30GXXXXXXXXXX,<br>FORTIWIFI-30Gxxxxxxxxxx, FWF-31Gxxxxxxxxxx,<br>FortiWiFi 31GXXXXXXXXXX, FORTIWIFI-31Gxxxxxxxxxx<br>(Where "x" can be used as "A-Z", or "0-9", or "-", or blank for software changes or marketing purposes only) |

**Remark:** The above EUT's information was declared by manufacturer.

## 1.2 Product Specification of Equipment Under Test

| Product Specification subjective to this standard |                                                                                                                                                                         |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DFS Function                                      | Master                                                                                                                                                                  |
| Tx/Rx Channel Frequency Range                     | 5260 MHz ~ 5320 MHz<br>5500 MHz ~ 5720 MHz                                                                                                                              |
| EUT support WLAN function                         | 802.11 a/n HT20/HT40<br>802.11 ac VHT20/VHT40/VHT80<br>802.11 ax HE20/HE40/HE80                                                                                         |
| Type of Modulation                                | 802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)<br>802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)<br>802.11 ax :<br>OFDMA (BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM) |

**Remark:**

- For other wireless features of this EUT, test report will be issued separately.
- The EUT's information mentioned above is declared by the manufacturer.

| Antenna Information |       |        |                    |                |           |         |
|---------------------|-------|--------|--------------------|----------------|-----------|---------|
| Ant.                | Port. | Brand  | Model Name         | Antenna Type   | Connector | Support |
| 1                   | 1     | WIESON | ARY118-0047-001-00 | Dipole Antenna | SMA       | 2.4G+5G |
| 2                   | 2     | WIESON | ARY118-0047-001-00 | Dipole Antenna | SMA       | 2.4G+5G |
| 3                   | 3     | WIESON | ARY118-0047-001-00 | Dipole Antenna | SMA       | 5G      |

| Gain (dBi) |       |        |        | Remark        |
|------------|-------|--------|--------|---------------|
| Ant.       | Port. | Band 2 | Band 3 |               |
| 1          | 1     | 2.60   | 2.01   | 2.4G+5G Tx/Rx |
| 2          | 2     | 2.60   | 2.01   | 2.4G+5G Tx/Rx |
| 3          | 3     | 2.60   | 2.01   | RX only       |



### 1.3 Testing Facility

|                    |                                                                   |
|--------------------|-------------------------------------------------------------------|
| Test Site          | Sporton International (USA) Inc.                                  |
| Test Site Location | 1175 Montague Expressway, Milpitas, CA 95035<br>TEL : 408 9043300 |
| Test Site No.      | Sporton Site No.                                                  |
|                    | DFS01-CA                                                          |

FCC Designation No.: US1250

### 1.4 Modification of EUT

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

### 1.5 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.

### 1.6 Support Unit used in test configuration and system

| Item | Equipment | Brand Name | Model Name  | FCC ID     | HW / FW Version | Power Cord                                                 |
|------|-----------|------------|-------------|------------|-----------------|------------------------------------------------------------|
| 1.   | Notebook  | MSI        | MS-16J5     | PD93165NG  | N/A             | AC I/P:<br>Unshielded, 1.2 m<br>DC O/P:<br>Shielded, 1.8 m |
| 2.   | Notebook  | HP ENVY    | 13-ba1063cl | PD9AX201D2 | 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-A<br>5250-5350 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                                                   |
| 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                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Non-occupancy period                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Minimum 30 minutes                                                                                     |
| Channel Availability Check Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 60 seconds                                                                                             |
| Channel Move Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10 seconds See Note 1.                                                                                 |
| Channel Closing Transmission Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2. |
| U-NII Detection Bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Minimum 100% of the 99% power bandwidth See Note 3.                                                    |
| <p><b>Note 1:</b> Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.</p> <p><b>Note 2:</b> The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate Channel changes (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.</p> <p><b>Note 3:</b> 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.</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 $\left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{PRI_{\mu sec}} \right) \right\}$ | 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             |

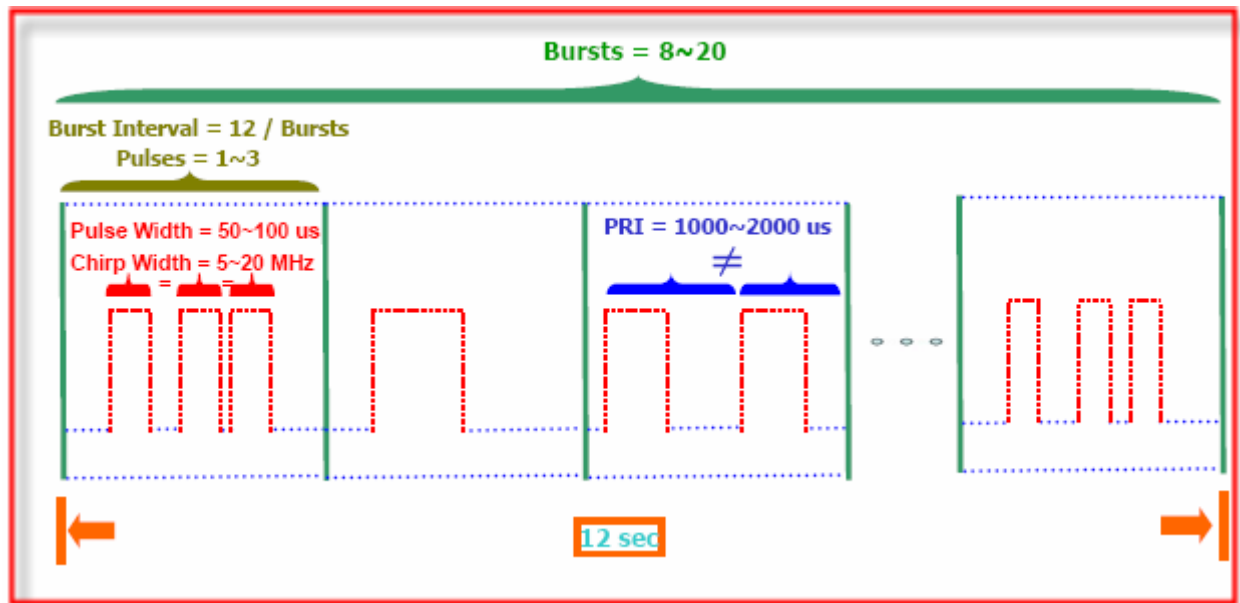
The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse radar test signal. If more than 30 waveforms are used for the Long Pulse radar test signal, then each additional waveform must also be unique and not repeated from the previous waveforms. Each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

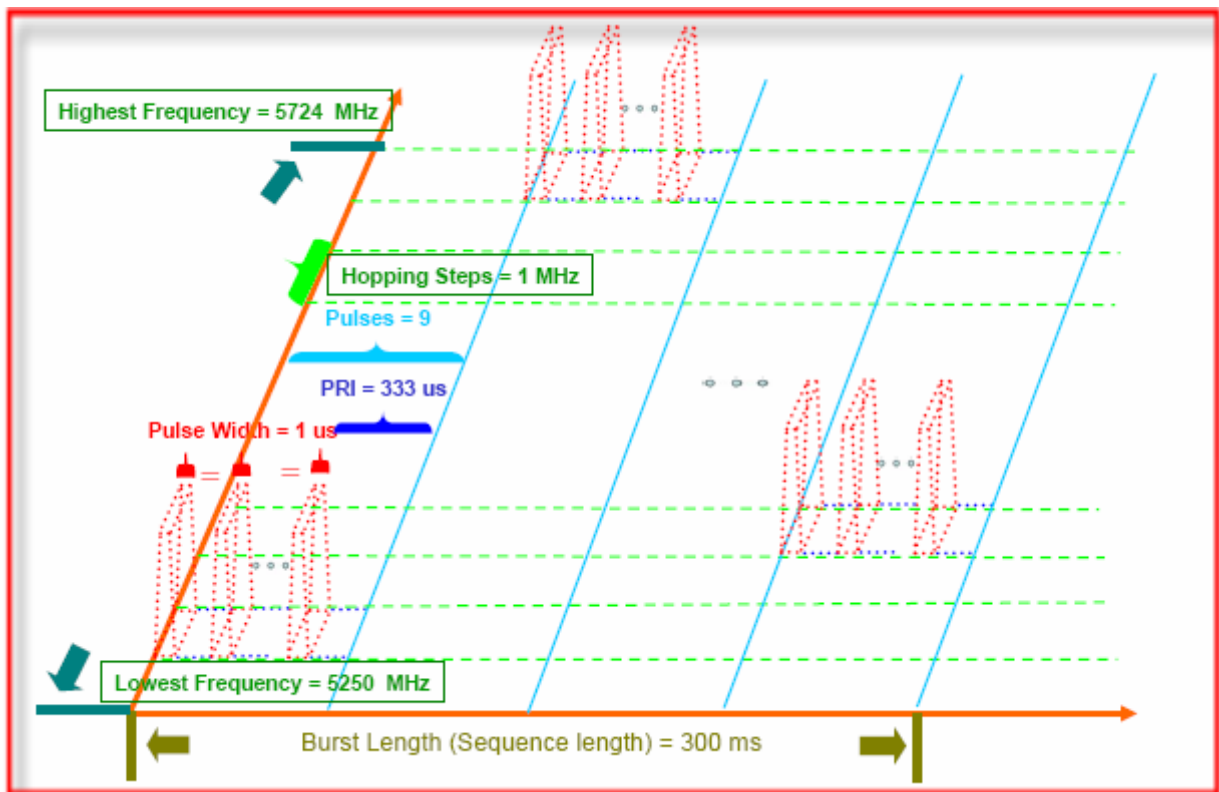


## 2.7 Frequency Hopping Radar Test Waveform

| 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.





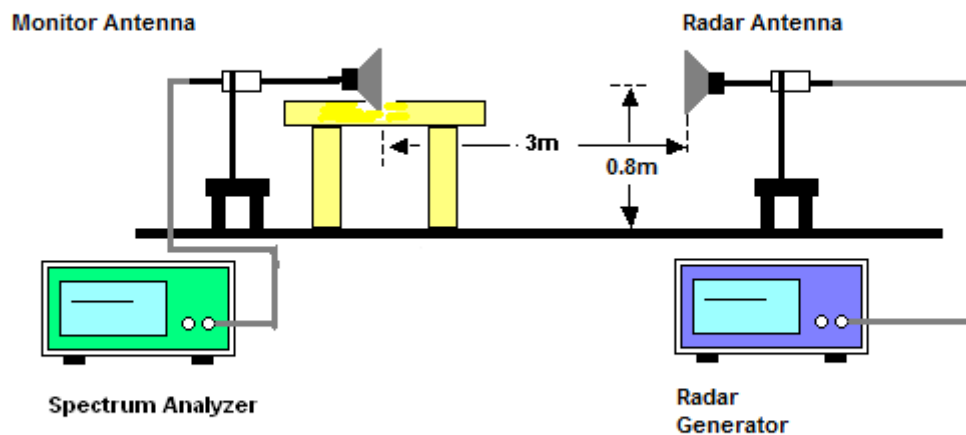
### 3 Calibration Setup and DFS Test Results

#### 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 Calibration Setup



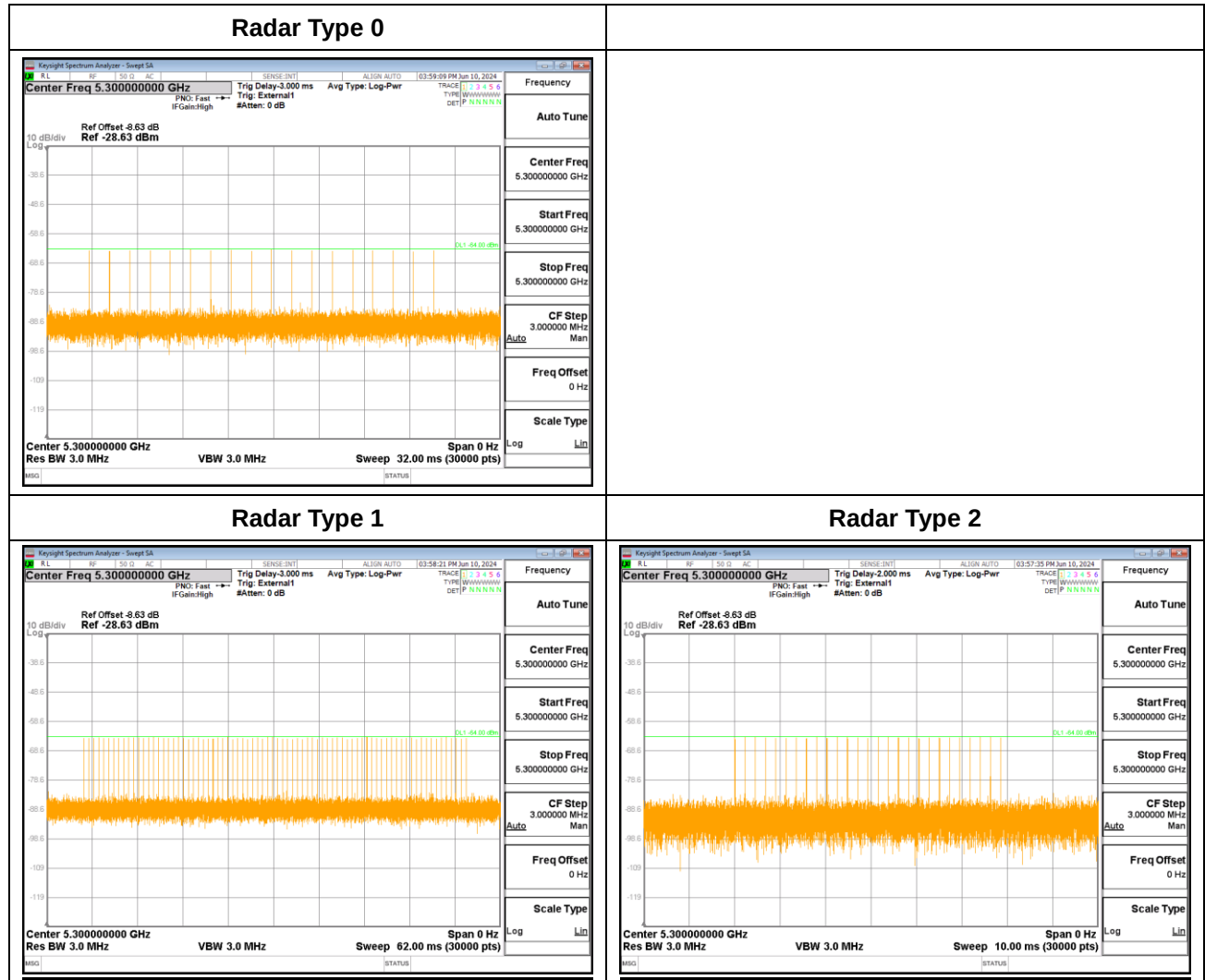
##### 3.1.3 Calibration Deviation

There is no deviation with the original standard.



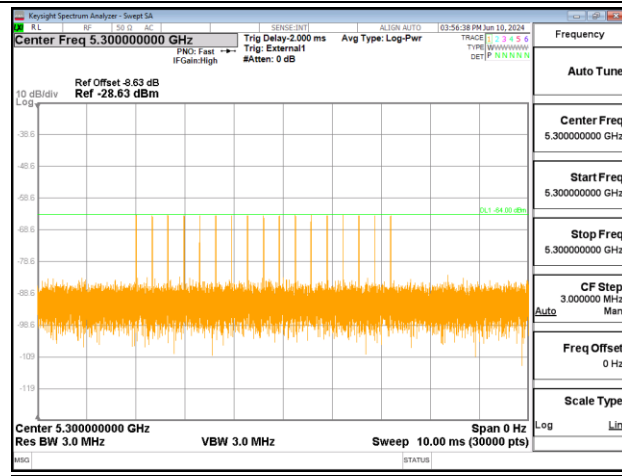
## 3.1.4 Radar Waveform Calibration Result

&lt;20MHz / 5300MHz&gt;

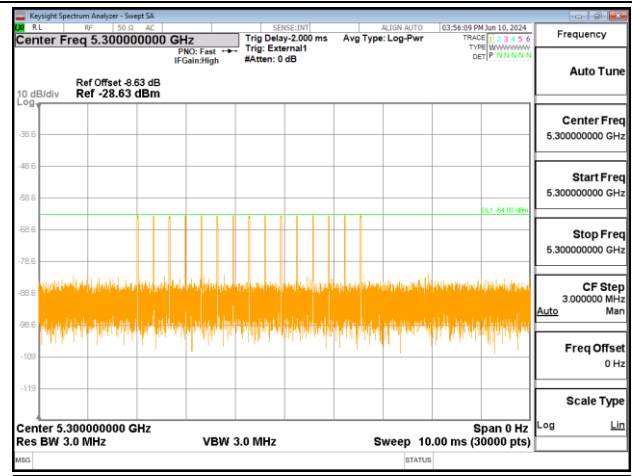




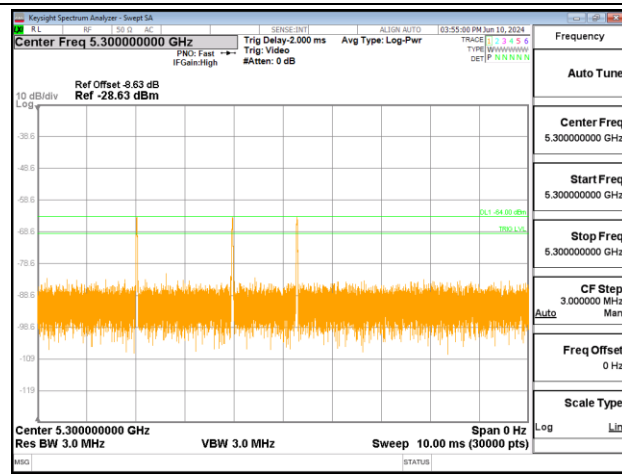
## Radar Type 3



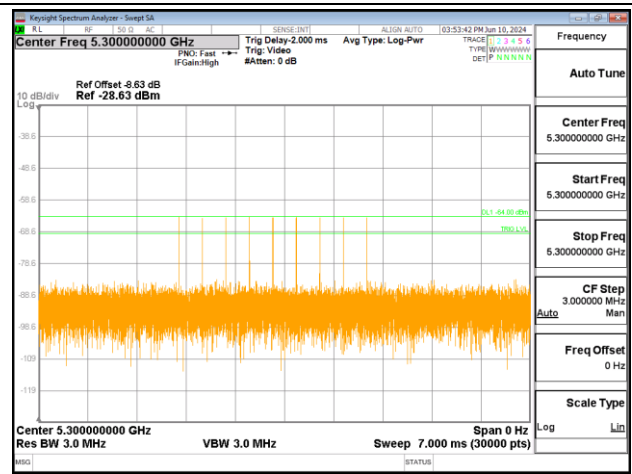
## Radar Type 4



## Single Burst of Radar Type 5



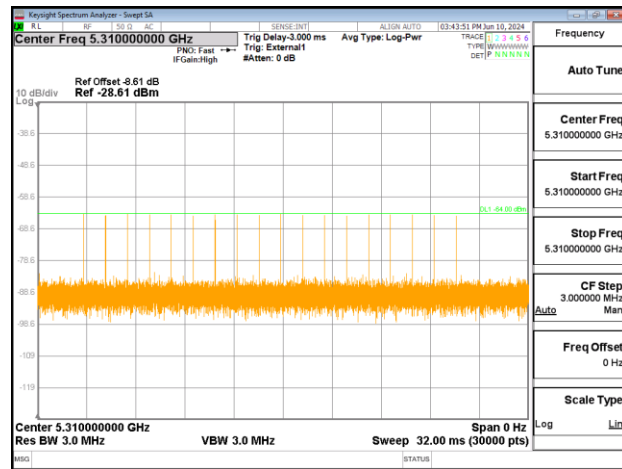
## Single Burst of Radar Type 6



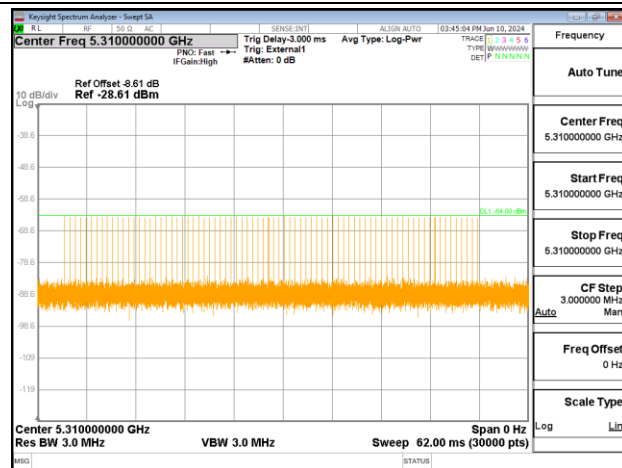


&lt;40MHz / 5310MHz&gt;

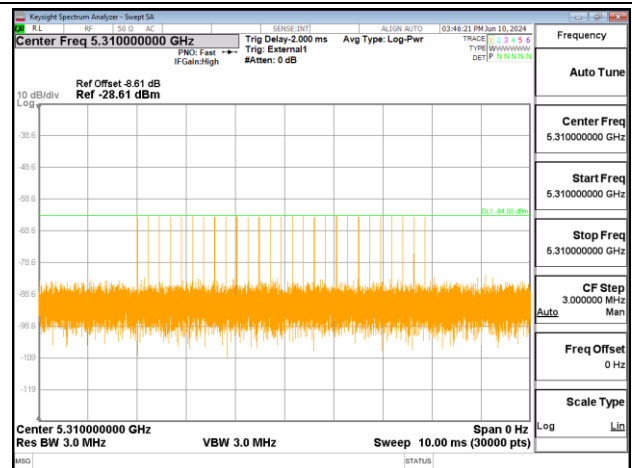
## Radar Type 0



## Radar Type 1

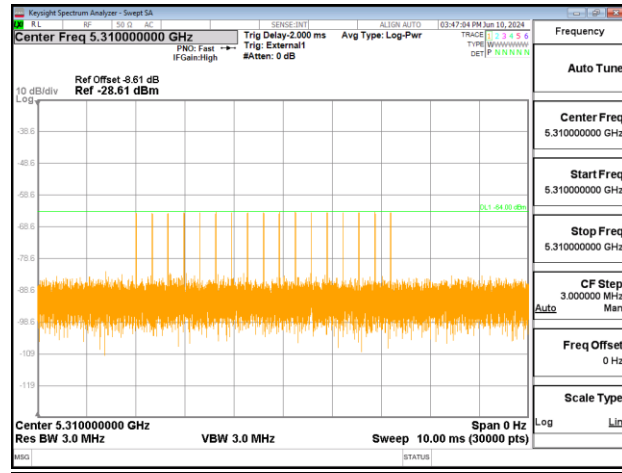


## Radar Type 2

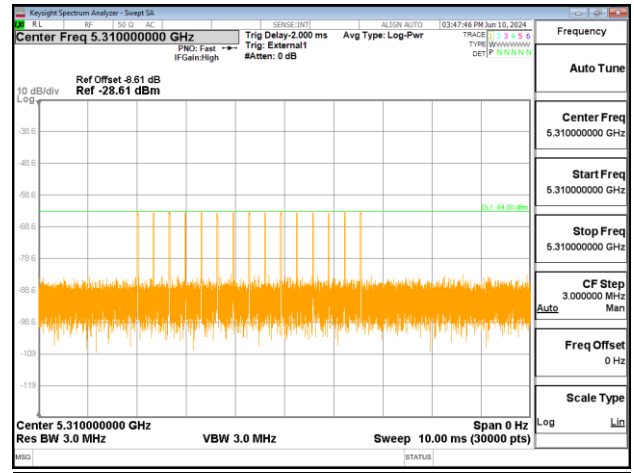




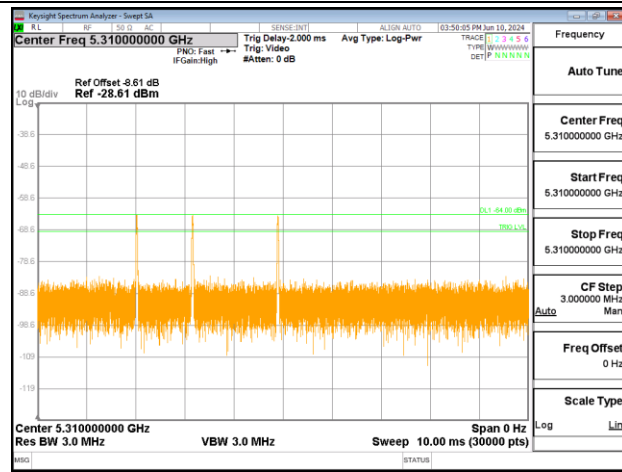
Radar Type 3



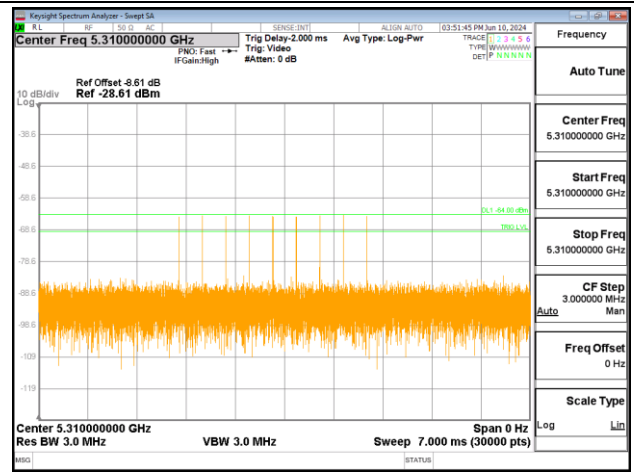
Radar Type 4



Single Burst of Radar Type 5



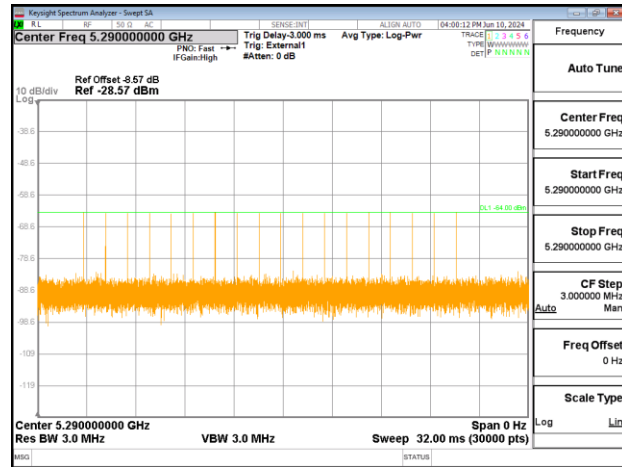
Single Burst of Radar Type 6



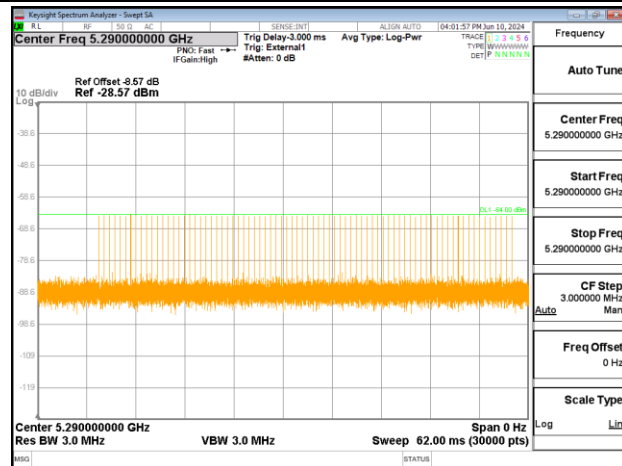


<80MHz / 5290MHz>

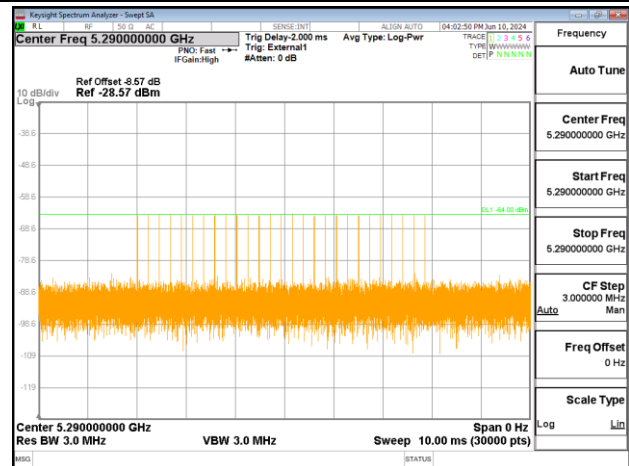
Radar Type 0



Radar Type 1

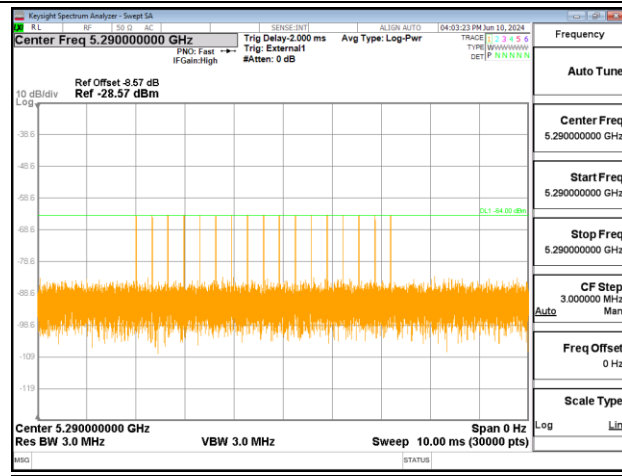


Radar Type 2

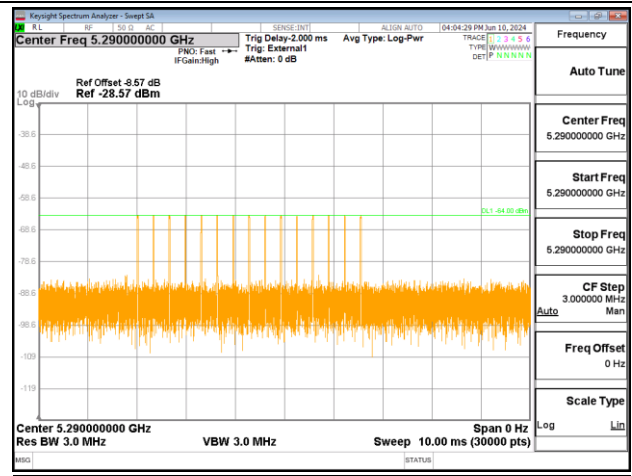




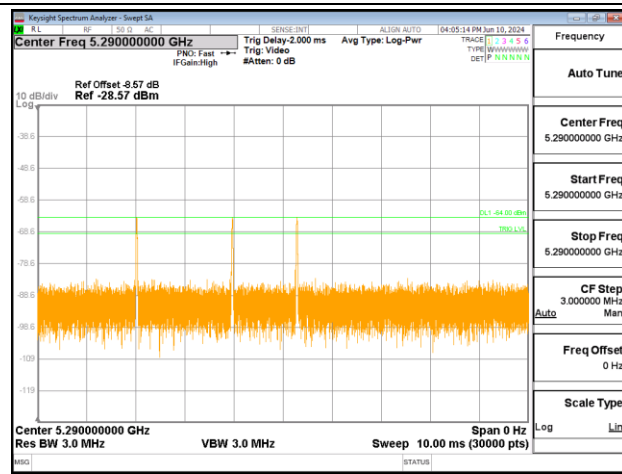
## Radar Type 3



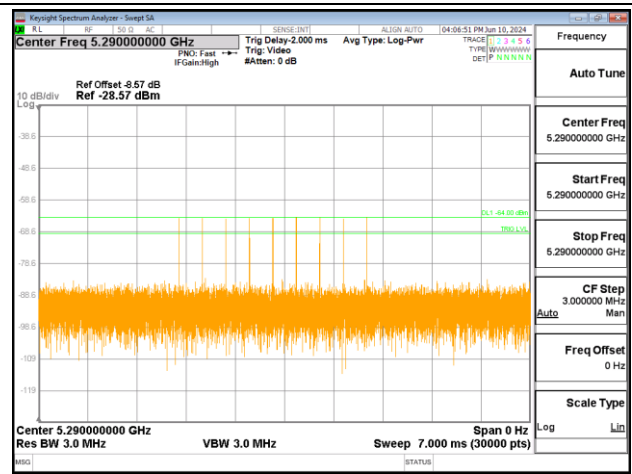
## Radar Type 4



## Single Burst of Radar Type 5



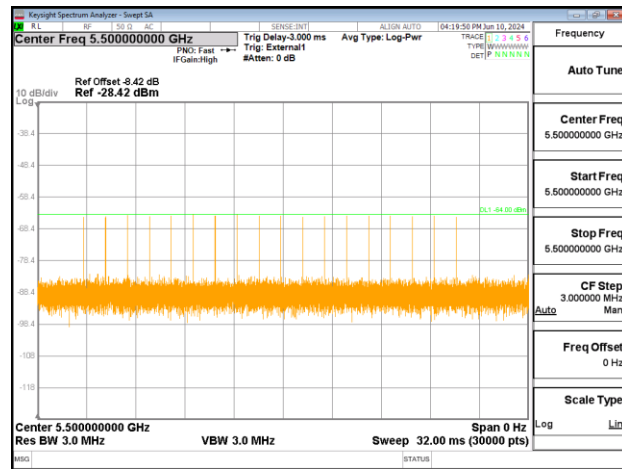
## Single Burst of Radar Type 6



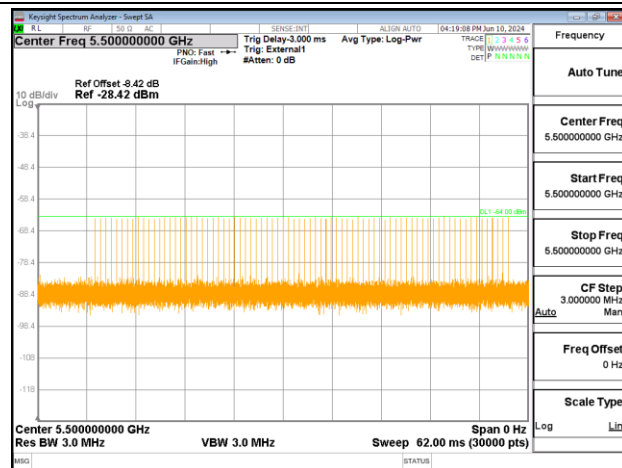


&lt;20MHz / 5500MHz&gt;

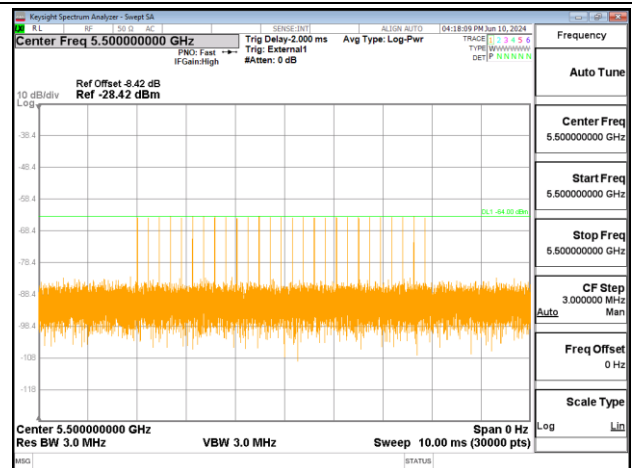
## Radar Type 0



## Radar Type 1



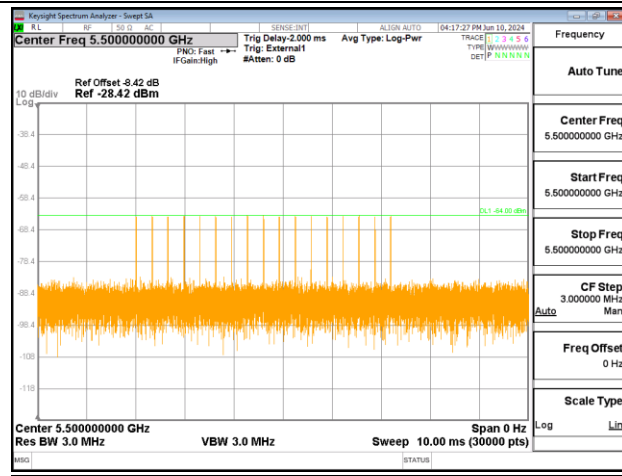
## Radar Type 2



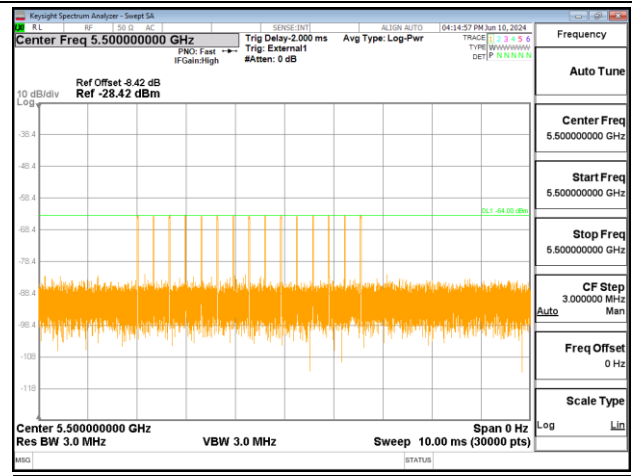




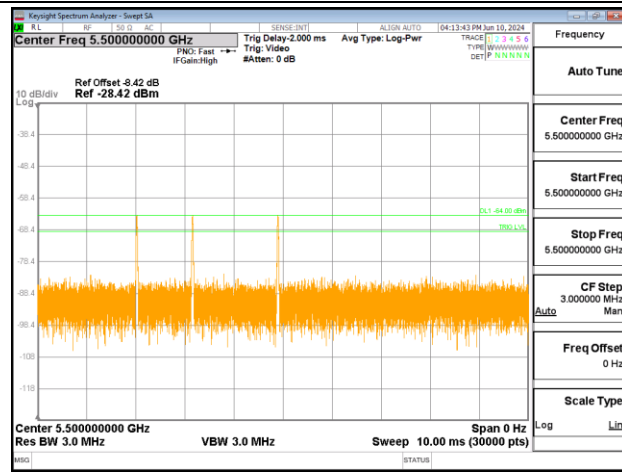
## Radar Type 3



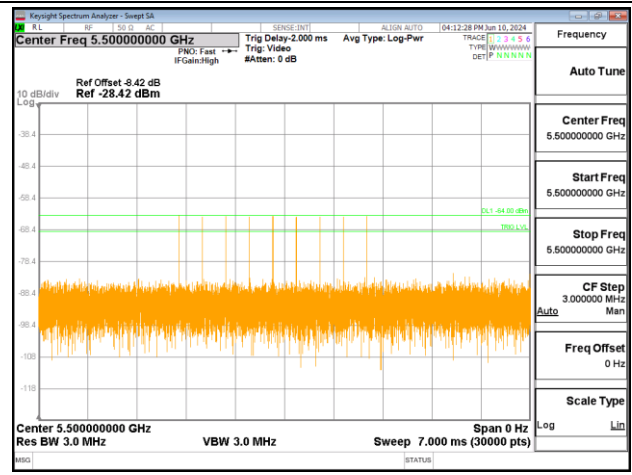
## Radar Type 4



## Single Burst of Radar Type 5



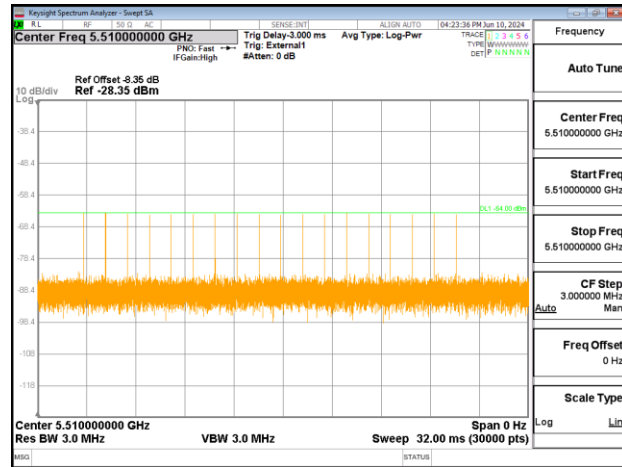
## Single Burst of Radar Type 6



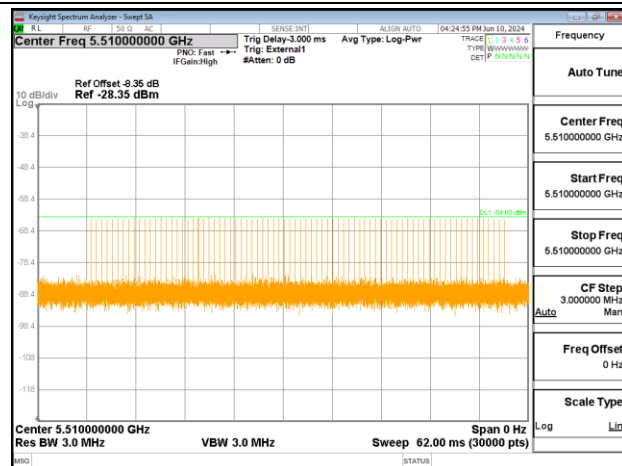


<40MHz / 5510MHz>

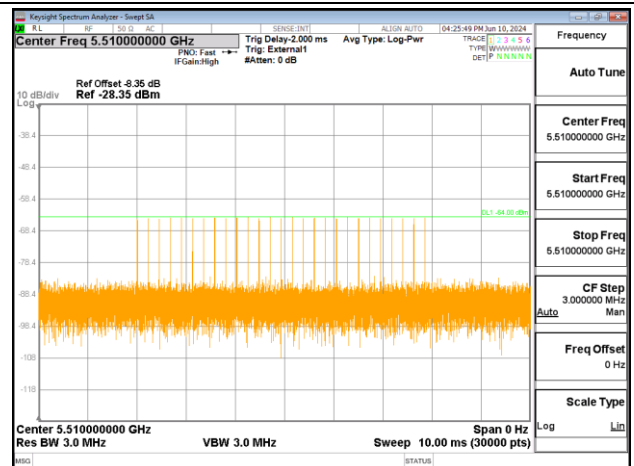
Radar Type 0



Radar Type 1

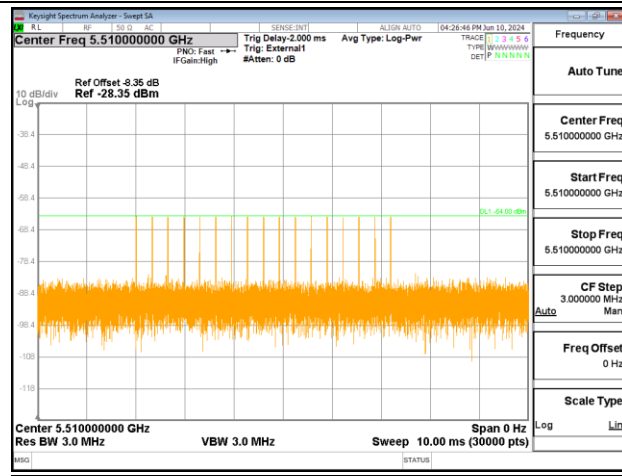


Radar Type 2

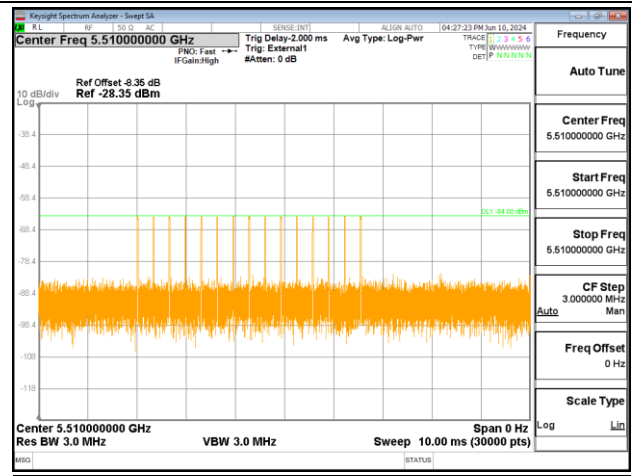




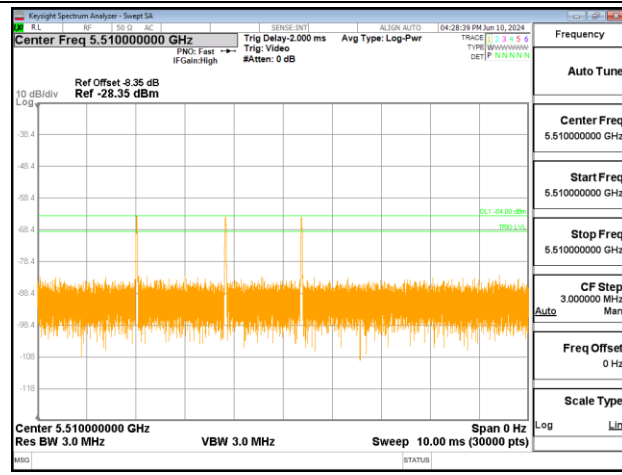
## Radar Type 3



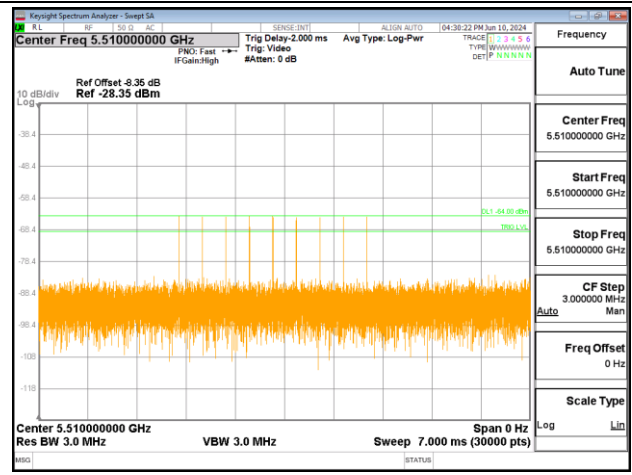
## Radar Type 4



## Single Burst of Radar Type 5



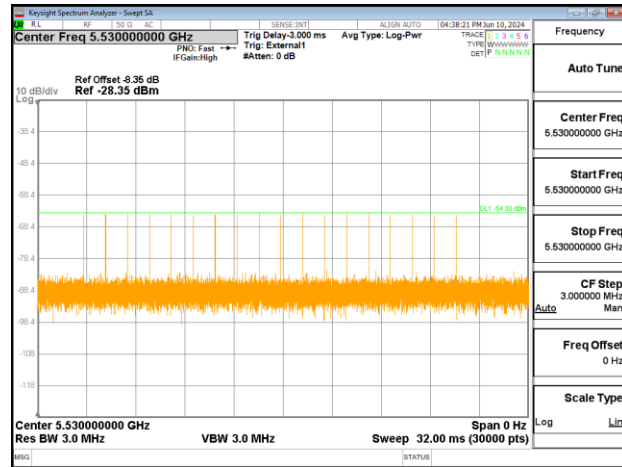
## Single Burst of Radar Type 6



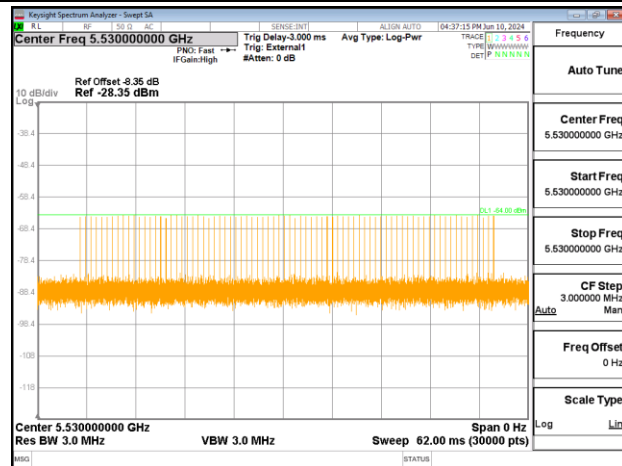


<80MHz / 5530MHz>

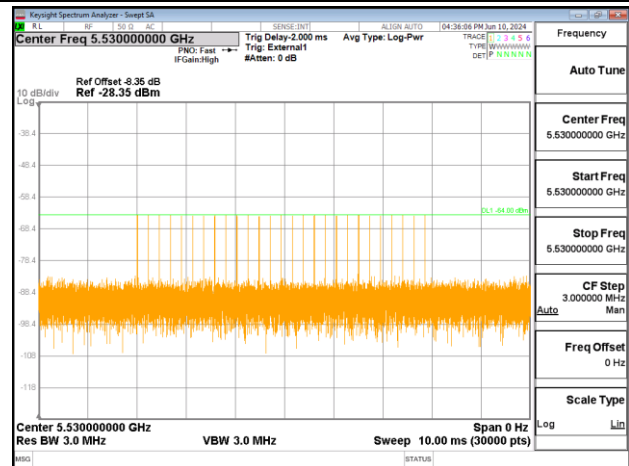
Radar Type 0



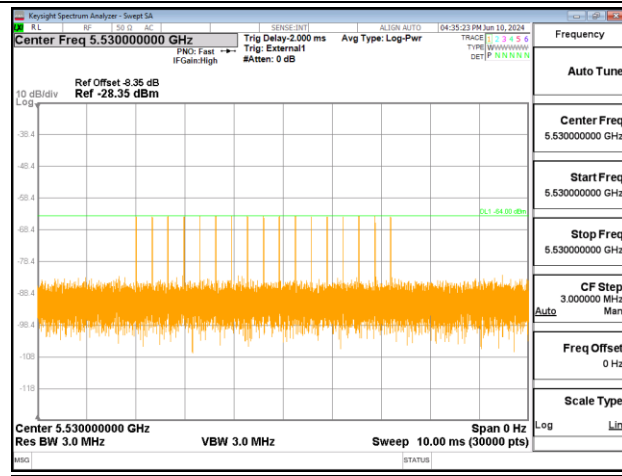
Radar Type 1



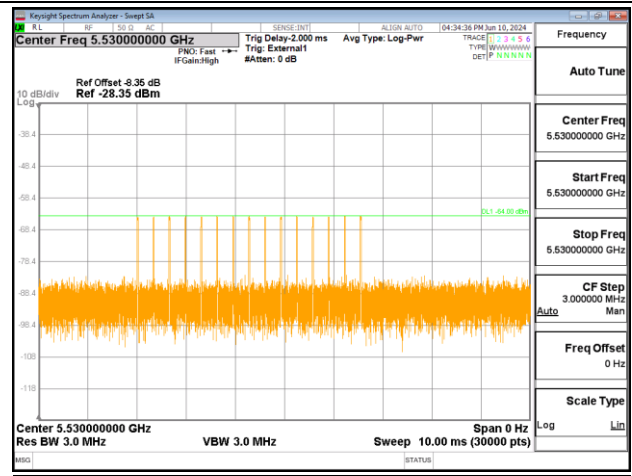
Radar Type 2



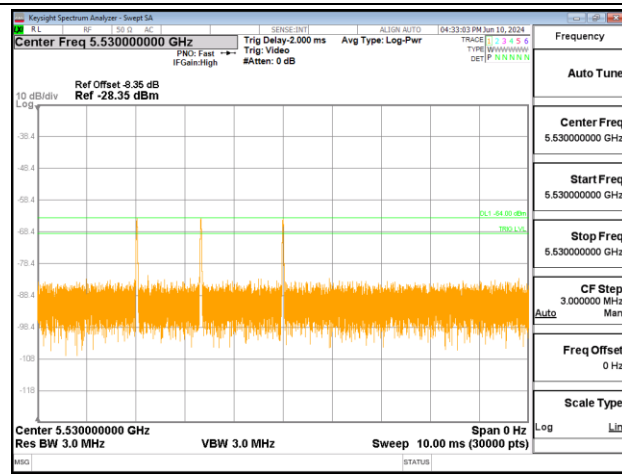
### Radar Type 3



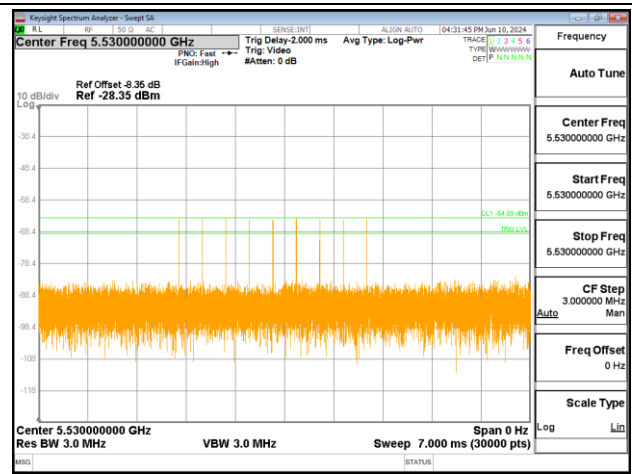
### Radar Type 4



## 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

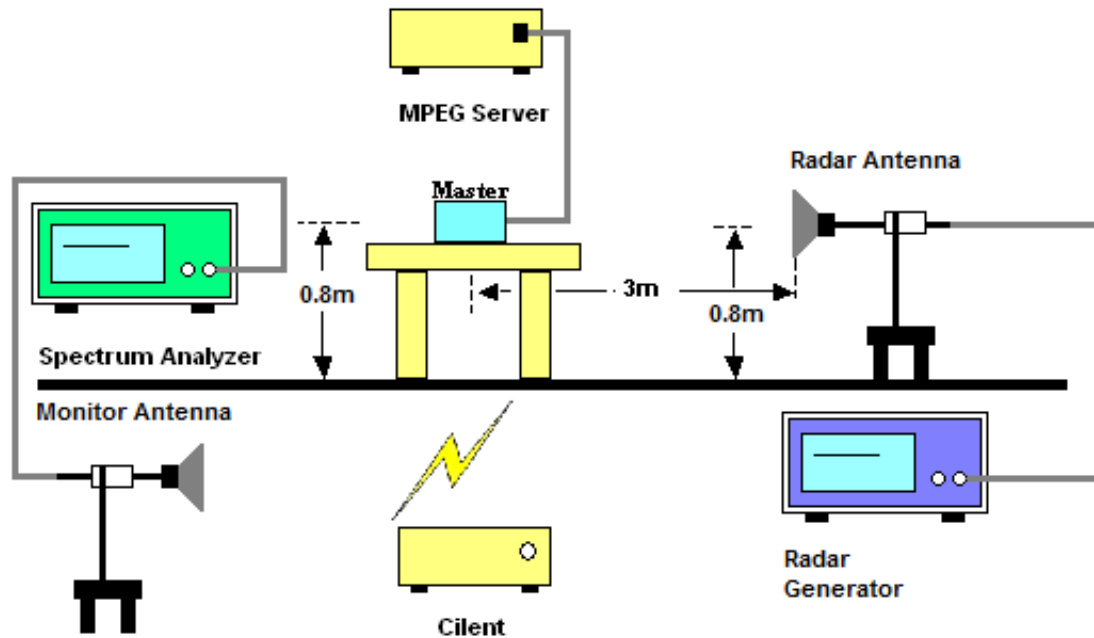
The U-NII Detection Bandwidth shall contain minimum 100% of the 99% power bandwidth.

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 / 5300MHz>

| Frequency<br>(MHz)                                                                  | Fc  | Trial Number (Detection = Y, No Detection = N) |   |   |   |   |   |   |   |   |    | Rate<br>(%) | F <sub>H</sub> /F <sub>L</sub> |
|-------------------------------------------------------------------------------------|-----|------------------------------------------------|---|---|---|---|---|---|---|---|----|-------------|--------------------------------|
|                                                                                     |     | 1                                              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |             |                                |
| 5285                                                                                | -15 | N                                              | N | N | N | N | N | N | N | N | N  | 0           |                                |
| 5286                                                                                | -14 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        | F <sub>L</sub>                 |
| 5287                                                                                | -13 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5288                                                                                | -12 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5289                                                                                | -11 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5290                                                                                | -10 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5291                                                                                | -9  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5292                                                                                | -8  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5293                                                                                | -7  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5294                                                                                | -6  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5295                                                                                | -5  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5300                                                                                | 0   | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5305                                                                                | +5  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5306                                                                                | +6  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5307                                                                                | +7  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5308                                                                                | +8  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5309                                                                                | +9  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5310                                                                                | +10 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5311                                                                                | +11 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5312                                                                                | +12 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5313                                                                                | +13 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5314                                                                                | +14 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        | F <sub>H</sub>                 |
| 5315                                                                                | +15 | N                                              | N | N | N | N | N | N | N | N | N  | 0           |                                |
| Detection Bandwidth = F <sub>H</sub> – F <sub>L</sub> = <b>5314 – 5286 = 28 MHz</b> |     |                                                |   |   |   |   |   |   |   |   |    |             |                                |
| EUT 99% Bandwidth = 19.182 MHz (Refer to channel 60)                                |     |                                                |   |   |   |   |   |   |   |   |    |             |                                |





&lt;40MHz / 5310MHz&gt;

| Frequency<br>(MHz) | Fc  | Trial Number (Detection = Y, No Detection = N) |   |   |   |   |   |   |   |   |    | Rate<br>(%) | F <sub>H</sub> /F <sub>L</sub> |
|--------------------|-----|------------------------------------------------|---|---|---|---|---|---|---|---|----|-------------|--------------------------------|
|                    |     | 1                                              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |             |                                |
| 5281               | -29 | N                                              | N | N | N | N | N | N | N | N | N  | 0%          |                                |
| 5282               | -28 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        | F <sub>L</sub>                 |
| 5283               | -27 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5284               | -26 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5285               | -25 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5286               | -24 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5287               | -23 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5288               | -22 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5289               | -21 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5290               | -20 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5291               | -19 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5292               | -18 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5293               | -17 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5294               | -16 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5295               | -15 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5300               | -10 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5305               | -5  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5310               | 0   | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5315               | +5  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5320               | +10 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5325               | +15 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5326               | +16 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5327               | +17 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5328               | +18 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5329               | +19 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5330               | +20 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5331               | +21 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5332               | +22 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5333               | +23 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |



| Frequency<br>(MHz)                                                                  | Fc  | Trial Number (Detection = Y, No Detection = N) |   |   |   |   |   |   |   |   |    | Rate<br>(%) | F <sub>H</sub> /F <sub>L</sub> |
|-------------------------------------------------------------------------------------|-----|------------------------------------------------|---|---|---|---|---|---|---|---|----|-------------|--------------------------------|
|                                                                                     |     | 1                                              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |             |                                |
| 5334                                                                                | +24 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5335                                                                                | +25 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        | F <sub>H</sub>                 |
| 5336                                                                                | +26 | N                                              | N | N | N | N | N | N | N | N | N  | 0%          |                                |
| Detection Bandwidth = F <sub>H</sub> – F <sub>L</sub> = <b>5336 – 5282 = 54</b> MHz |     |                                                |   |   |   |   |   |   |   |   |    |             |                                |
| EUT 99% Bandwidth = 37.884 MHz (Refer to channel 62)                                |     |                                                |   |   |   |   |   |   |   |   |    |             |                                |



&lt;80MHz / 5290MHz&gt;

| Frequency<br>(MHz) | Fc  | Trial Number (Detection = Y, No Detection = N) |   |   |   |   |   |   |   |   |    | Rate<br>(%) | F <sub>H</sub> /F <sub>L</sub> |
|--------------------|-----|------------------------------------------------|---|---|---|---|---|---|---|---|----|-------------|--------------------------------|
|                    |     | 1                                              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |             |                                |
| 5230               | -60 | Y                                              | N | N | N | N | N | N | N | N | N  | 10%         |                                |
| 5231               | -59 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        | F <sub>L</sub>                 |
| 5232               | -58 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5233               | -57 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5234               | -56 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5235               | -55 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5236               | -54 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5237               | -53 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5238               | -52 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5239               | -51 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5240               | -50 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5241               | -49 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5242               | -48 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5243               | -47 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5244               | -46 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5245               | -45 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5246               | -44 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5247               | -43 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5248               | -42 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5249               | -41 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5250               | -40 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5251               | -39 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5252               | -38 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5253               | -37 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5254               | -36 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5255               | -35 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5260               | -30 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5265               | -25 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5270               | -20 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |



| Frequency<br>(MHz)                                                                   | Fc  | Trial Number (Detection = Y, No Detection = N) |   |   |   |   |   |   |   |   |    | Rate<br>(%) | F <sub>H</sub> /F <sub>L</sub> |
|--------------------------------------------------------------------------------------|-----|------------------------------------------------|---|---|---|---|---|---|---|---|----|-------------|--------------------------------|
|                                                                                      |     | 1                                              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |             |                                |
| 5275                                                                                 | -15 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5280                                                                                 | -10 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5285                                                                                 | -5  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5290                                                                                 | 0   | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5295                                                                                 | +5  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5300                                                                                 | +10 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5305                                                                                 | +15 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5310                                                                                 | +20 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5315                                                                                 | +25 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5320                                                                                 | +30 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5325                                                                                 | +35 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5326                                                                                 | +36 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5327                                                                                 | +37 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5328                                                                                 | +38 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5329                                                                                 | +39 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5330                                                                                 | +40 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5331                                                                                 | +41 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5332                                                                                 | +42 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5333                                                                                 | +43 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5334                                                                                 | +44 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5335                                                                                 | +45 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5336                                                                                 | +46 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        | F <sub>H</sub>                 |
| 5337                                                                                 | +47 | N                                              | N | N | N | N | N | N | N | N | N  | 0%          |                                |
| Detection Bandwidth = F <sub>H</sub> – F <sub>L</sub> = <b>5336 – 5231 = 105 MHz</b> |     |                                                |   |   |   |   |   |   |   |   |    |             |                                |
| EUT 99% Bandwidth = 76.389 MHz (Refer to channel 58)                                 |     |                                                |   |   |   |   |   |   |   |   |    |             |                                |



&lt;20MHz / 5500MHz&gt;

| Frequency<br>(MHz)                                                                  | Fc  | Trial Number (Detection = Y, No Detection = N) |   |   |   |   |   |   |   |   |    | Rate<br>(%) | F <sub>H</sub> /F <sub>L</sub> |
|-------------------------------------------------------------------------------------|-----|------------------------------------------------|---|---|---|---|---|---|---|---|----|-------------|--------------------------------|
|                                                                                     |     | 1                                              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |             |                                |
| 5485                                                                                | -15 | Y                                              | N | Y | N | Y | N | Y | Y | N | N  | 50%         |                                |
| 5486                                                                                | -14 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        | F <sub>L</sub>                 |
| 5487                                                                                | -13 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5488                                                                                | -12 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5489                                                                                | -11 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5490                                                                                | -10 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5491                                                                                | -9  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5492                                                                                | -8  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5493                                                                                | -7  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5494                                                                                | -6  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5495                                                                                | -5  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5500                                                                                | 0   | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5505                                                                                | +5  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5506                                                                                | +6  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5507                                                                                | +7  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5508                                                                                | +8  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5509                                                                                | +9  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5510                                                                                | +10 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5511                                                                                | +11 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5512                                                                                | +12 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5513                                                                                | +13 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        | F <sub>H</sub>                 |
| 5514                                                                                | +14 | Y                                              | Y | N | Y | N | Y | N | Y | N | N  | 50%         |                                |
| Detection Bandwidth = F <sub>H</sub> – F <sub>L</sub> = <b>5513 – 5486 = 27 MHz</b> |     |                                                |   |   |   |   |   |   |   |   |    |             |                                |
| EUT 99% Bandwidth = 19.357 MHz (Refer to channel 100)                               |     |                                                |   |   |   |   |   |   |   |   |    |             |                                |



&lt;40MHz / 5510MHz&gt;

| Frequency<br>(MHz) | Fc  | Trial Number (Detection = Y, No Detection = N) |   |   |   |   |   |   |   |   |    | Rate<br>(%) | F <sub>H</sub> /F <sub>L</sub> |
|--------------------|-----|------------------------------------------------|---|---|---|---|---|---|---|---|----|-------------|--------------------------------|
|                    |     | 1                                              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |             |                                |
| 5479               | -31 | N                                              | Y | N | N | N | N | N | N | N | N  | 10%         |                                |
| 5480               | -30 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        | F <sub>L</sub>                 |
| 5481               | -29 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5482               | -28 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5483               | -27 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5484               | -26 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5485               | -25 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5486               | -24 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5487               | -23 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5488               | -22 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5489               | -21 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5490               | -20 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5491               | -19 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5492               | -18 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5493               | -17 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5494               | -16 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5495               | -15 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5500               | -10 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5505               | -5  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5510               | 0   | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5515               | +5  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5520               | +10 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5525               | +15 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5526               | +16 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5527               | +17 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5528               | +18 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5529               | +19 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5530               | +20 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5531               | +21 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |

| Frequency<br>(MHz)                                                                                                                           | Fc  | Trial Number (Detection = Y, No Detection = N) |   |   |   |   |   |   |   |   |    | Rate<br>(%) | F <sub>H</sub> /F <sub>L</sub> |
|----------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------|---|---|---|---|---|---|---|---|----|-------------|--------------------------------|
|                                                                                                                                              |     | 1                                              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |             |                                |
| 5532                                                                                                                                         | +22 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5533                                                                                                                                         | +23 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5534                                                                                                                                         | +24 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5535                                                                                                                                         | +25 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5536                                                                                                                                         | +26 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5537                                                                                                                                         | +27 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5538                                                                                                                                         | +28 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5539                                                                                                                                         | +29 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5540                                                                                                                                         | +30 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        | F <sub>H</sub>                 |
| 5541                                                                                                                                         | +31 | N                                              | N | N | N | N | N | N | N | N | N  | 0%          |                                |
| Detection Bandwidth = F <sub>H</sub> – F <sub>L</sub> = <b>5540 – 5480 = 60 MHz</b><br>EUT 99% Bandwidth = 37.619 MHz (Refer to channel 102) |     |                                                |   |   |   |   |   |   |   |   |    |             |                                |



&lt;80MHz / 5530MHz&gt;

| Frequency<br>(MHz) | Fc  | Trial Number (Detection = Y, No Detection = N) |   |   |   |   |   |   |   |   |    | Rate<br>(%) | F <sub>H</sub> /F <sub>L</sub> |
|--------------------|-----|------------------------------------------------|---|---|---|---|---|---|---|---|----|-------------|--------------------------------|
|                    |     | 1                                              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |             |                                |
| 5477               | -53 | Y                                              | N | N | N | N | N | N | N | N | Y  | 20%         |                                |
| 5478               | -52 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        | F <sub>L</sub>                 |
| 5479               | -51 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5480               | -50 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5481               | -49 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5482               | -48 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5483               | -47 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5484               | -46 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5485               | -45 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5486               | -44 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5487               | -43 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5488               | -42 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5489               | -41 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5490               | -40 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5491               | -39 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5492               | -38 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5493               | -37 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5494               | -36 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5495               | -35 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5500               | -30 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5505               | -25 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5510               | -20 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5515               | -15 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5520               | -10 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5525               | -5  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5530               | 0   | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5535               | +5  | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5540               | +10 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5545               | +15 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |





| Frequency<br>(MHz)                                                                   | Fc  | Trial Number (Detection = Y, No Detection = N) |   |   |   |   |   |   |   |   |    | Rate<br>(%) | F <sub>H</sub> /F <sub>L</sub> |
|--------------------------------------------------------------------------------------|-----|------------------------------------------------|---|---|---|---|---|---|---|---|----|-------------|--------------------------------|
|                                                                                      |     | 1                                              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |             |                                |
| 5550                                                                                 | +20 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5555                                                                                 | +25 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5560                                                                                 | +30 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5565                                                                                 | +35 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5566                                                                                 | +36 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5567                                                                                 | +37 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5568                                                                                 | +38 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5569                                                                                 | +39 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5570                                                                                 | +40 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5571                                                                                 | +41 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5572                                                                                 | +42 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5573                                                                                 | +43 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5574                                                                                 | +44 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5575                                                                                 | +45 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5576                                                                                 | +46 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5577                                                                                 | +47 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5578                                                                                 | +48 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5579                                                                                 | +49 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5580                                                                                 | +50 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5581                                                                                 | +51 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5582                                                                                 | +52 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5583                                                                                 | +53 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5584                                                                                 | +54 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5585                                                                                 | +55 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5586                                                                                 | +56 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5587                                                                                 | +57 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        |                                |
| 5588                                                                                 | +58 | Y                                              | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100%        | F <sub>H</sub>                 |
| 5589                                                                                 | +59 | N                                              | N | N | N | N | N | N | N | N | N  | 0%          |                                |
| Detection Bandwidth = F <sub>H</sub> – F <sub>L</sub> = <b>5588 – 5478 = 110 MHz</b> |     |                                                |   |   |   |   |   |   |   |   |    |             |                                |
| EUT 99% Bandwidth = 76.714 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

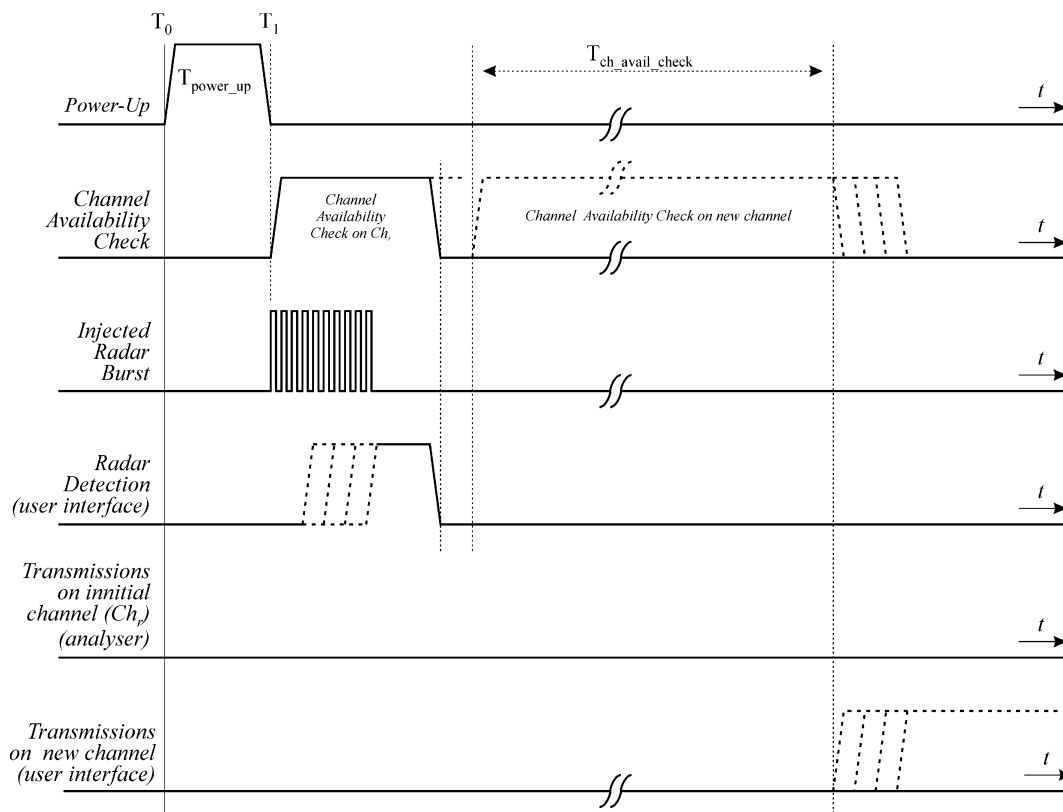
This test does not use any radar waveforms and only needs to be performed one time.

- (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 at least 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.

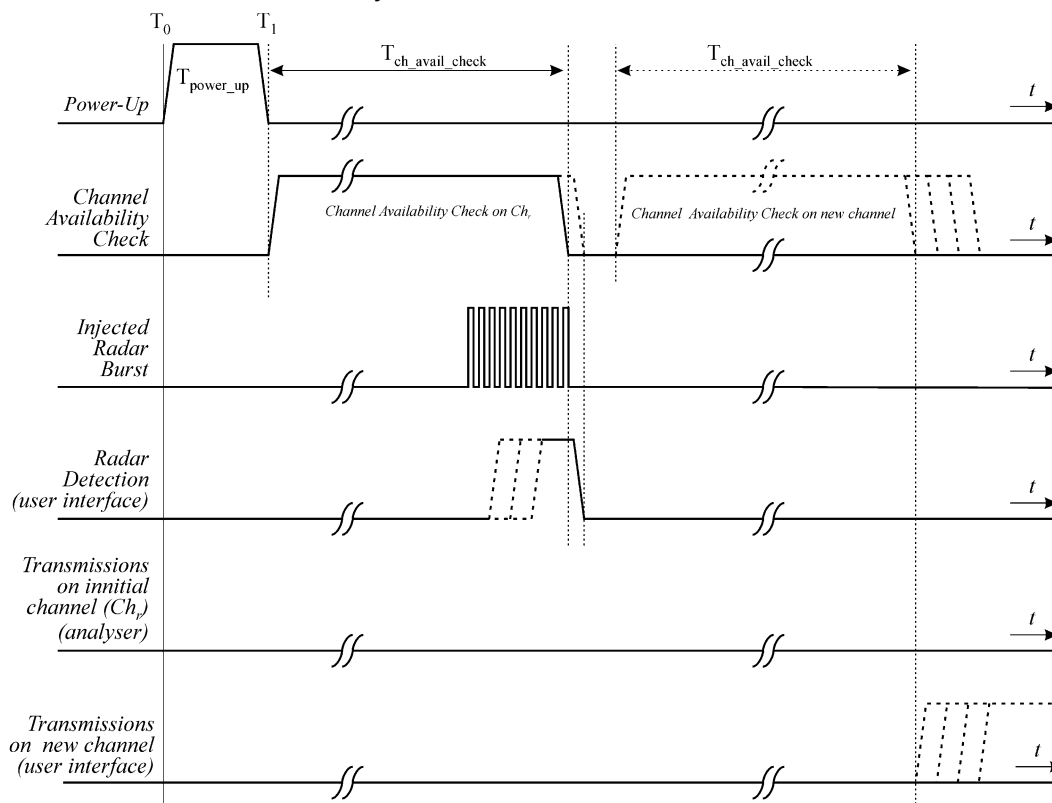


**Figure 15: Example of timing for radar testing at the beginning of the Channel Availability Check**  
**Time**

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

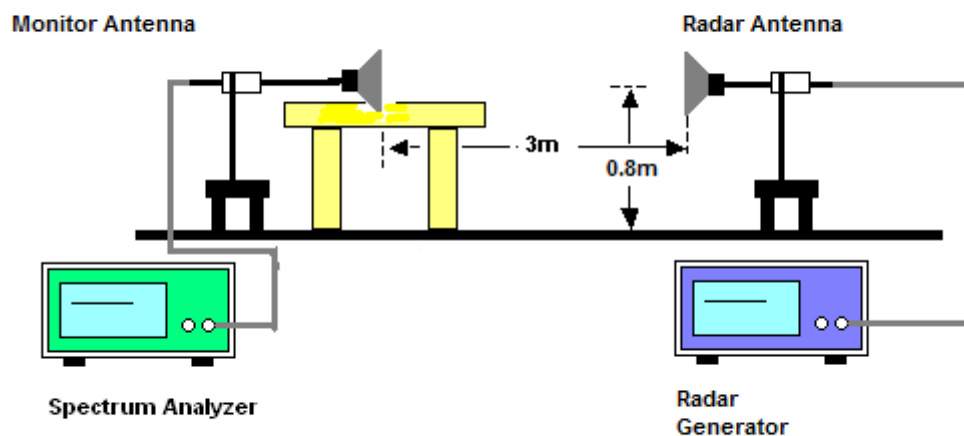
The steps below define the procedure to verify successful radar detection on the test Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1dB occurs at the end of the Channel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

<80MHz / 5290MHz>



Marker 1(Delta 2): 60 seconds before End of Channel Availability Check

Marker 2: End of Channel Availability Check

Marker 3: 54 seconds or 6 seconds before End of Channel Availability Check



&lt;80MHz / 5530MHz&gt;

**EUT Power up and  
Initial Channel Availability Check Time****Radar Burst at the Beginning of  
the Channel Availability Check Time****Radar Burst at the End of  
the Channel Availability Check Time**

Marker 1(Delta 2): 60 seconds before End of Channel Availability Check

Marker 2: End of Channel Availability Check

Marker 3: 54 seconds or 6 seconds before End of Channel Availability Check

### 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.

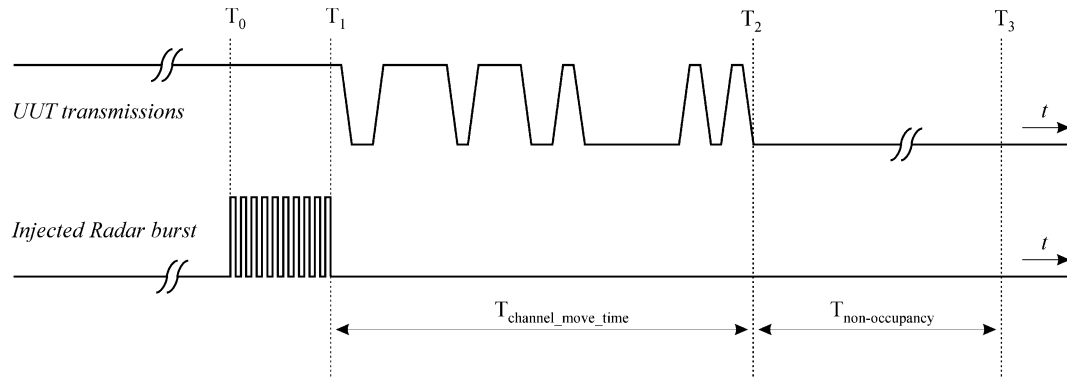
Non-Occupancy Period time is 30 minute during which a Channel will not be utilized after a Radar Waveform is detected on that Channel.

#### 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.

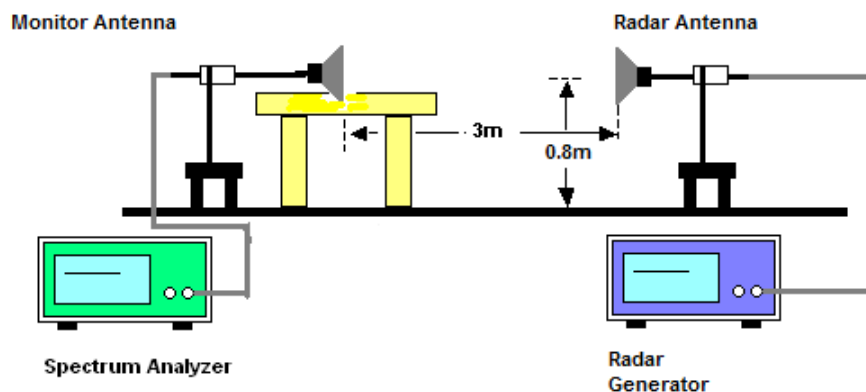


- (7) When operating as a Master Device, monitor the EUT for more than 30 minutes following instant T<sub>2</sub> to verify that the EUT does not resume any transmissions on this Channel. Perform this test once and record the measurement result.



- (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>       | 20.3~24.4℃ |
| <b>Test Engineer :</b> | Liliana Gonzalez | <b>Relative Humidity :</b> | 48.6~58.6% |

| BW / Channel               | Test Item                         | Test Result               | Limit             | Pass/Fail   |
|----------------------------|-----------------------------------|---------------------------|-------------------|-------------|
| <b>80MHz /<br/>5290MHz</b> | Channel Move Time                 | <b>1.035 s</b>            | <b>&lt; 10s</b>   | <b>Pass</b> |
|                            | Channel Closing Transmission Time | <b>200ms + 10.4013 ms</b> | <b>&lt; 260ms</b> | <b>Pass</b> |
|                            | Non-Occupancy Period              | <b>≥ 30</b>               | <b>≥ 30 min</b>   | <b>Pass</b> |
| <b>80MHz /<br/>5530MHz</b> | Channel Move Time                 | <b>0.9577 s</b>           | <b>&lt; 10s</b>   | <b>Pass</b> |
|                            | Channel Closing Transmission Time | <b>200ms + 2.0002 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.

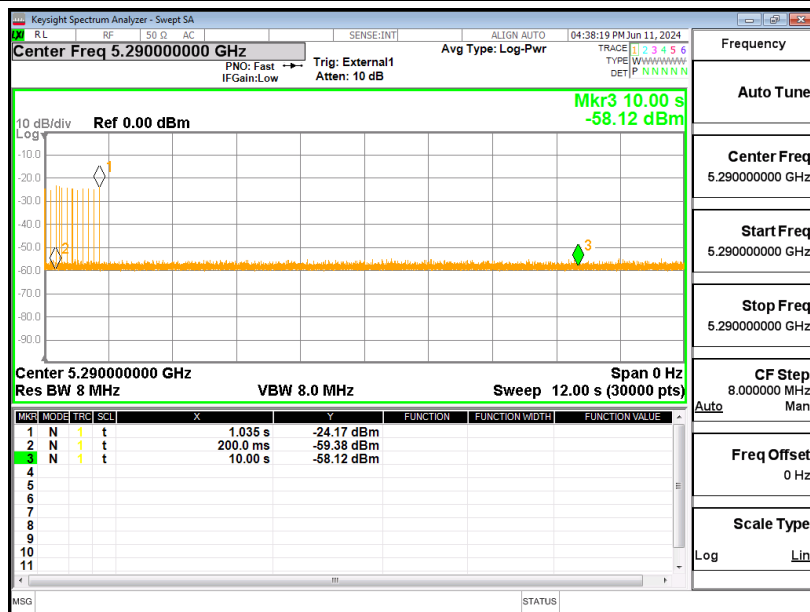
### 3.4.6 Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period Test Plots

#### <80MHz / 5290MHz > In-Service Monitoring

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

Marker 1: signal found within channel moving time.

Marker 2: 200ms after radar injected ; Marker 3: 10s after radar injected.



DFS & Adaptivity Test Tools Ver1.0 (2015-05-22)

Option

| Trigger Level(dBm): | MK1 Time(s) | MK2 Time(s) | Delta2 Time(s) |
|---------------------|-------------|-------------|----------------|
| -50                 | 200.0000ms  | 10000.0000  | 9800.0000m     |

| On Time Point: | Total Point: | Sum of On Time(s): |
|----------------|--------------|--------------------|
| 26             | 24497        | 10.4013ms          |

| Sweep Time(s) | Sweep Point | Duty Cycle(%) |
|---------------|-------------|---------------|
| 12001.60ms    | 30000       | 0.1061%       |

Run

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#### Note:

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

Channel Closing Transmission Time (200 + 10.4 ms) = 200 + Number (26) X Dwell (0.4 ms) < 260ms



Non-Occupancy Period

Marker 2: radar injected ; Delta 1: 30 minutes after radar injected

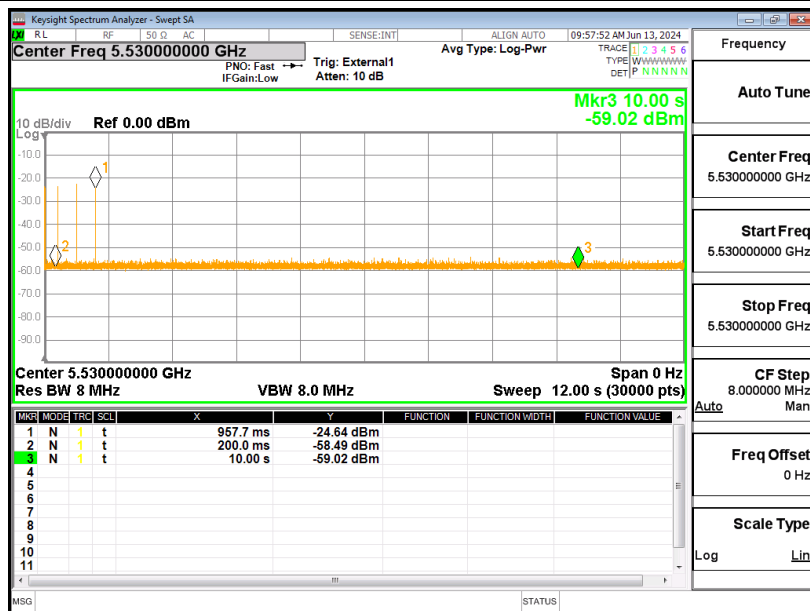


## &lt;80MHz / 5530MHz &gt; In-Service Monitoring

Channel Move Time &  
Channel Closing Transmission Time

Marker 1: signal found within channel moving time.

Marker 2: 200ms after radar injected ; Marker 3: 10s after radar injected.



DFS & Adaptivity Test Tools Ver1.0 (2015-05-22)

Option

Trigger Level(dBm): -50

MK1 Time(s): 200.0000ms

MK2 Time(s): 10000.0000s

Delta2 Time(s): 9800.0000ms

On Time Point: 5

Total Point: 24497

Sum of On Time(s): 2.0002ms

Sweep Time(s): 12001.60ms

Sweep Point: 30000

Duty Cycle(%): 0.0204%

Run

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## Note:

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

Channel Closing Transmission Time (200 + 2.0 ms) = 200 + Number (5) X Dwell (0.4 ms) &lt; 260ms



Non-Occupancy Period

Marker 2: radar injected ; Delta 1: 30 minutes after radar injected

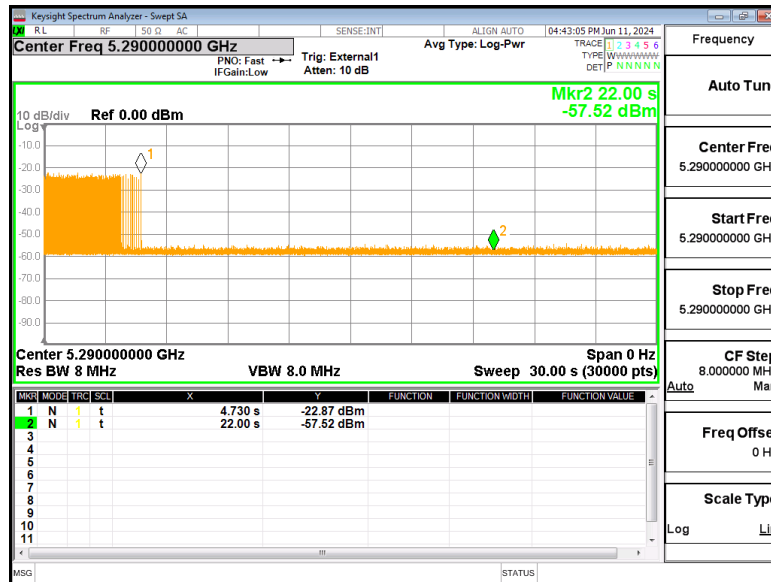


## 3.4.7 Long Pulsed Radar Type Channel Move Time Test Plots (22seconds)

## &lt;80MHz / 5290MHz &gt; Radar Type 5

## Channel Move Time

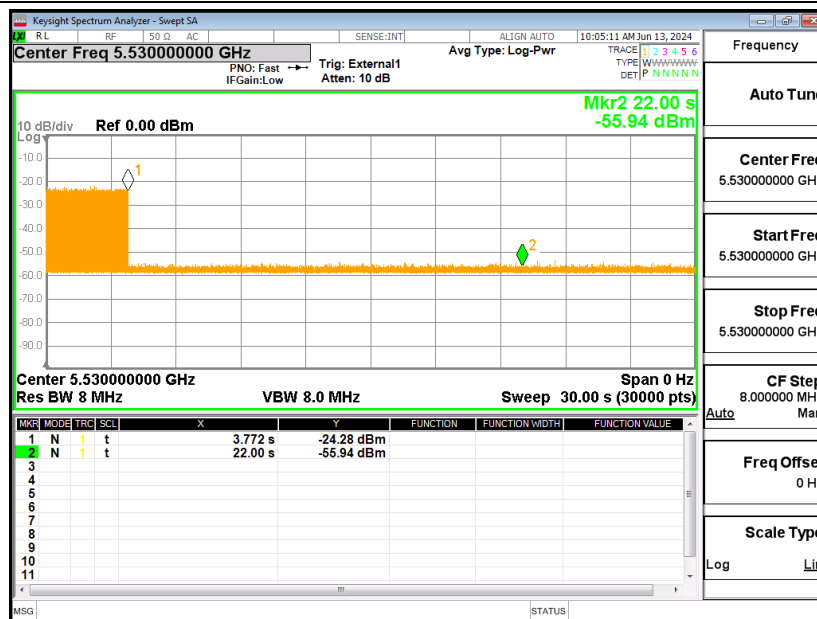
Marker 1: End of transmission time ; Marker 2: 22seconds after radar injected



## &lt;80MHz / 5530MHz &gt; Radar Type 5

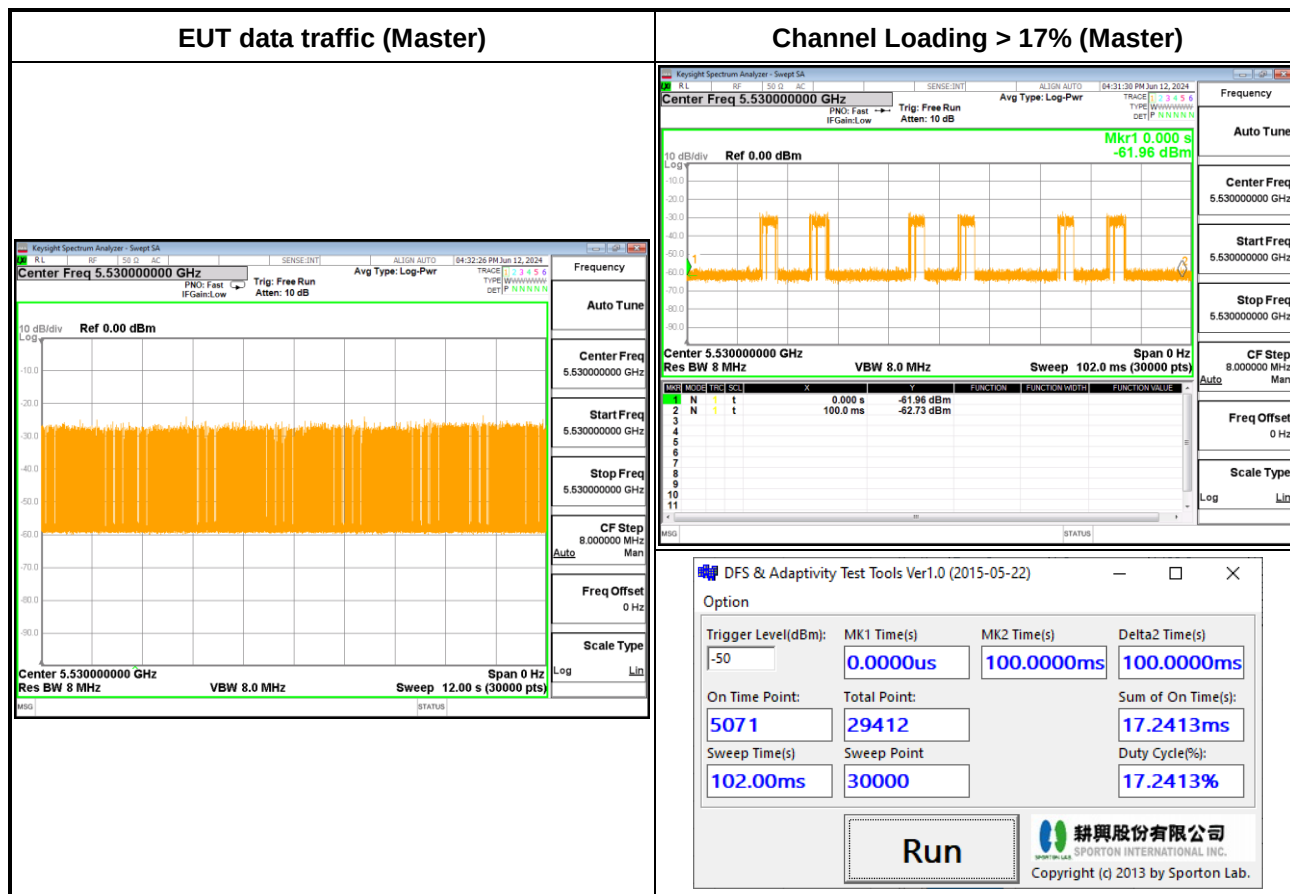
## Channel Move Time

Marker 1: End of transmission time ; Marker 2: 22seconds after radar injected

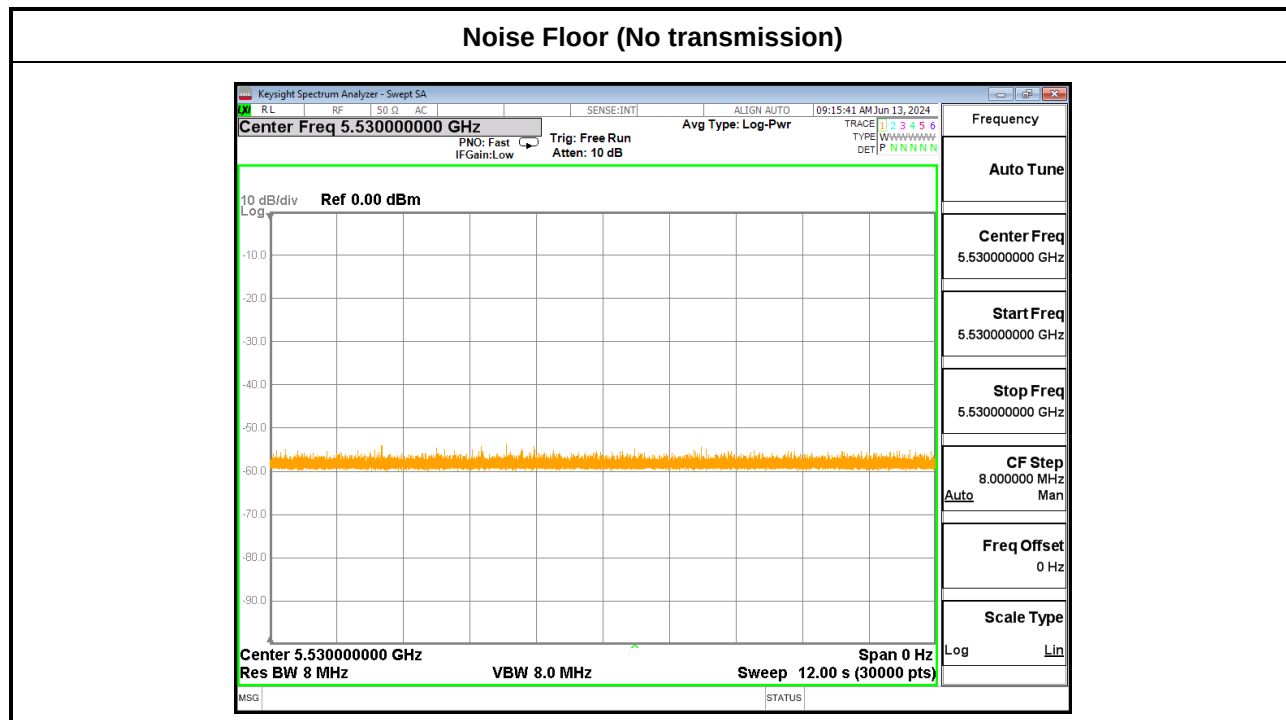




## 3.4.8 Data Traffic Channel Loading and Noise Floor Plots



## Noise Floor (No transmission)





### 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 trails, 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.

An example of aggregate detection probability calculation is listed in following table:

| Radar Type                                             | Number of Trials | Number of Successful<br>Detections | Percentage of<br>Successful Detection |
|--------------------------------------------------------|------------------|------------------------------------|---------------------------------------|
| 1                                                      | 30               | 29                                 | 96.7%                                 |
| 2                                                      | 30               | 18                                 | 60%                                   |
| 3                                                      | 30               | 27                                 | 90%                                   |
| 4                                                      | 30               | 30                                 | 100%                                  |
| Aggregate $(96.7\% + 60\% + 90\% + 100\%)/4 = 86.67\%$ |                  |                                    |                                       |

### **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:  $FL + (0.4 * Chirp Width [in MHz])$

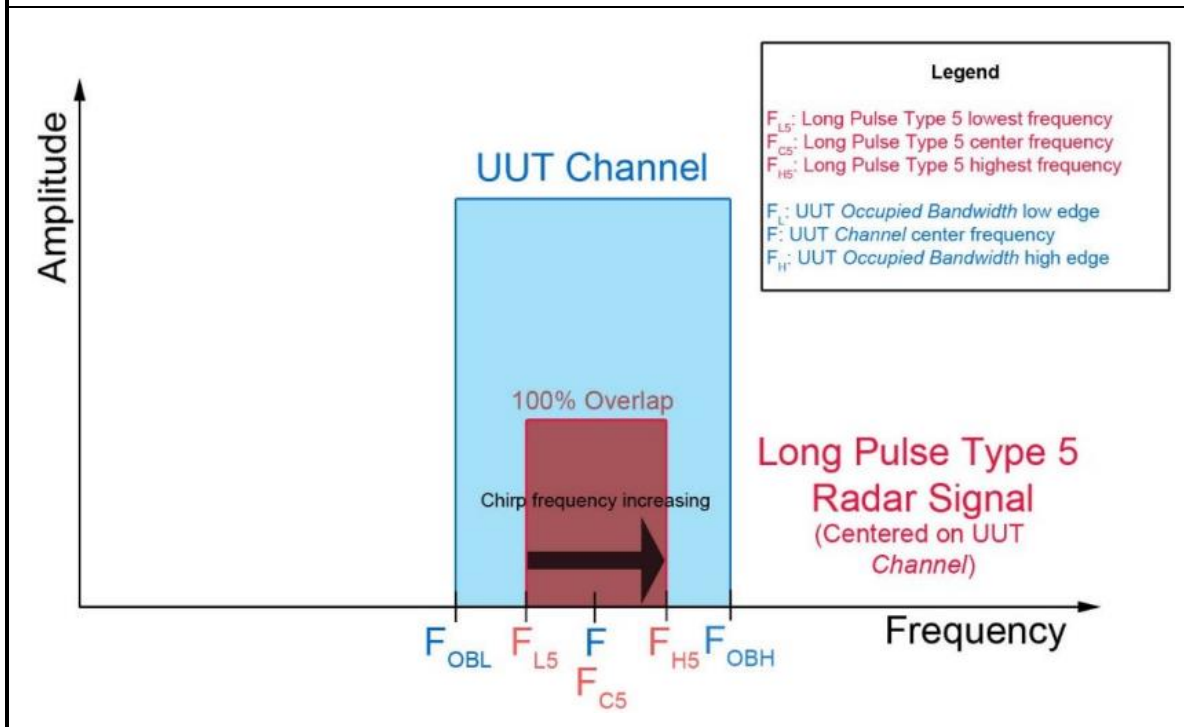
For subset case 3: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 3.

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

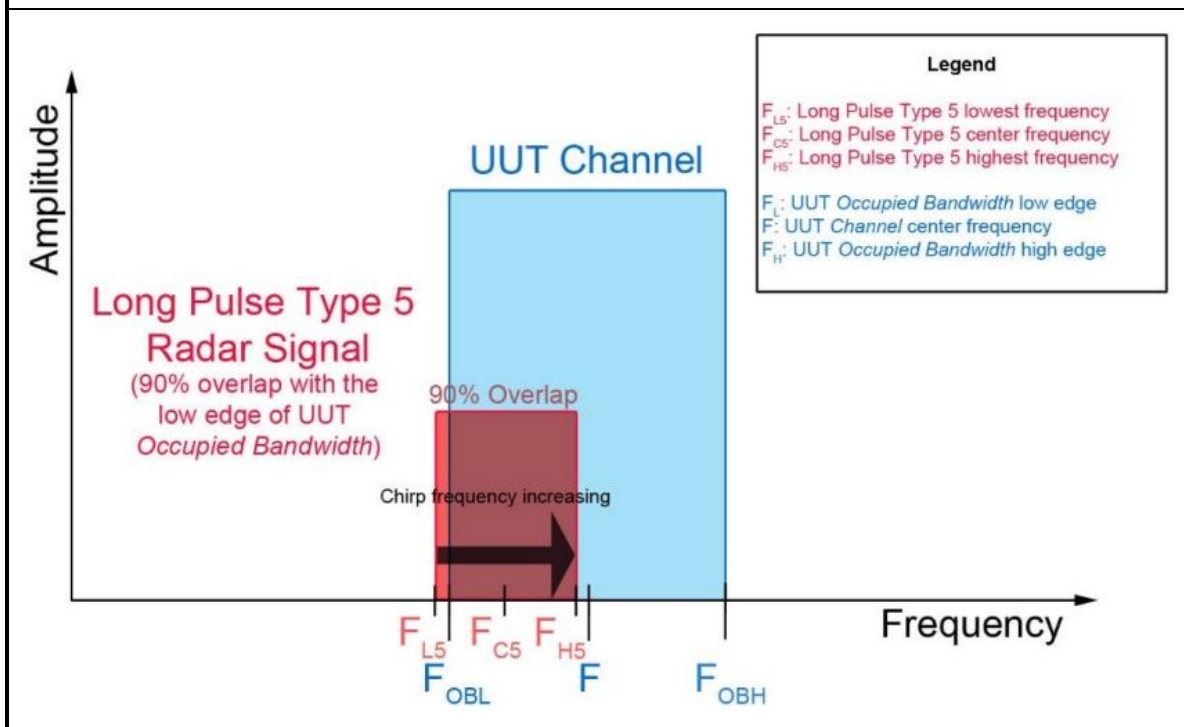
Note: The FH and FL are Occupied Bandwidth low edge and high edge, where

$$FH = F_c + (OBW / 2) \text{ and } FL = F_c - (OBW / 2)$$

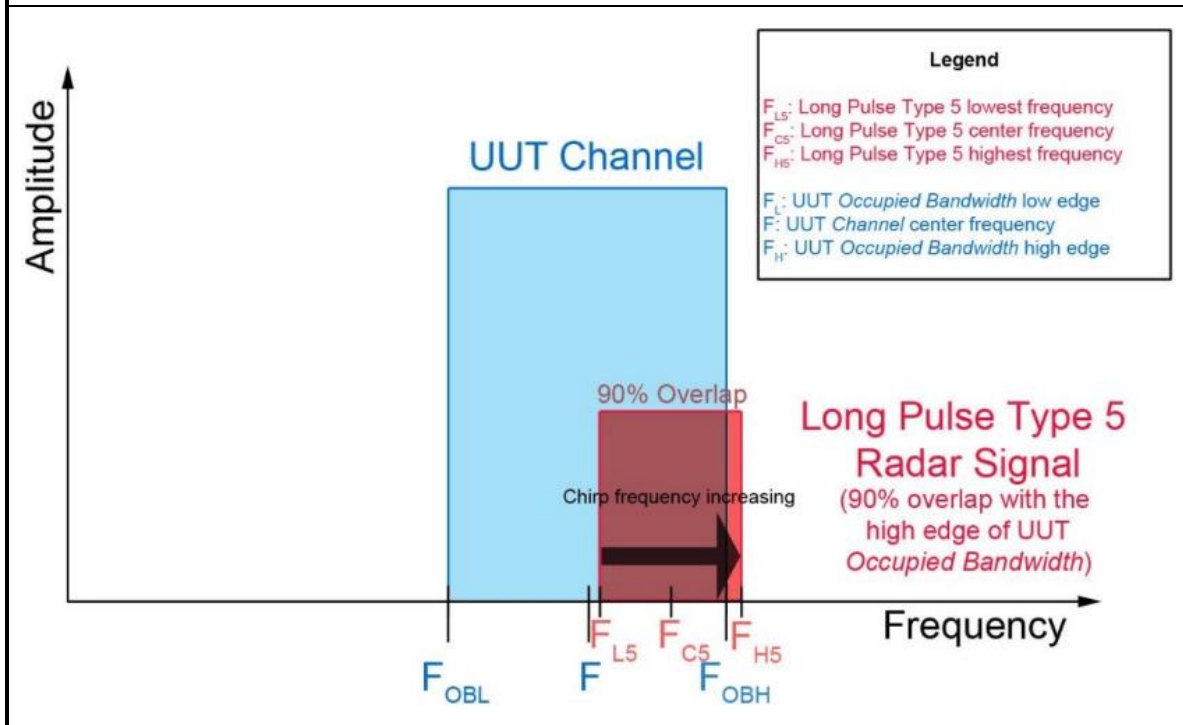
a) Channel center frequency (subset case 1)



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:

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

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

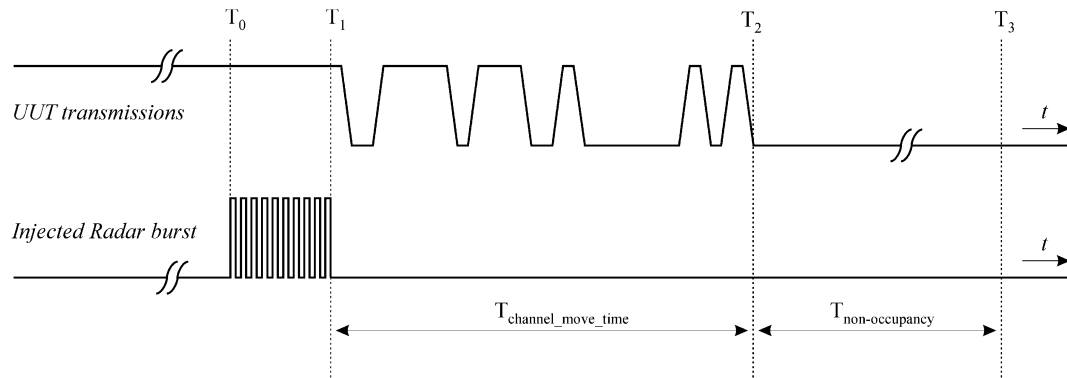
| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Minimum Percentage of Successful Detection | Minimum Number of Trials |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|--------------------------------------------|--------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

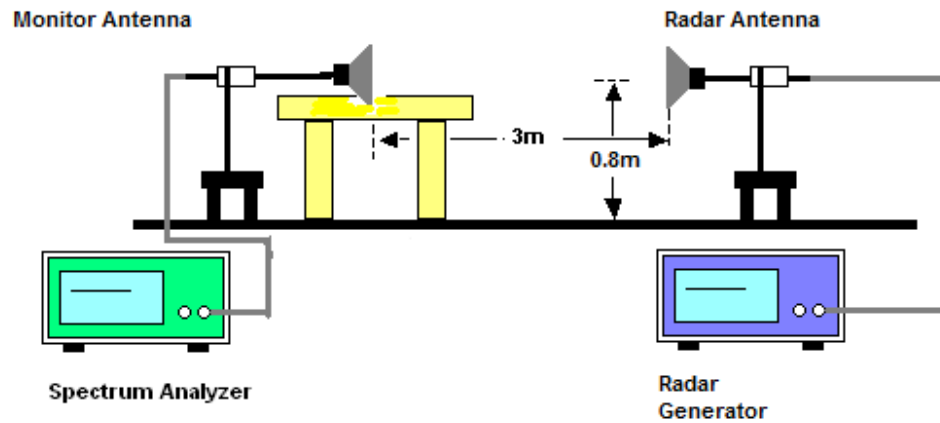
The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250 – 5724 MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group. This process continues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

&lt;20MHz / 5300MHz&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;40MHz /5310MHz&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 / 5290MHz&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      | N                | 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      | N                | 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  | 28/30            | 30/30  | 30/30  | 30/30  |
| Probability (%)                           | 100%   | 100%   | 93.33%           | 100%   | 100%   | 100%   |
| Limit (%)                                 | >= 60% | >= 60% | >= 60%           | >= 60% | >= 80% | >= 70% |
| Average Probability of Radar Type 1~4 (%) |        |        | 98.33% ( >=80% ) |        |        |        |



&lt;20MHz / 5500MHz&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      | N      |
| 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  | 29/30  |
| Probability (%)                           | 100%   | 100%   | 100%           | 100%   | 100%   | 96.67% |
| Limit (%)                                 | >= 60% | >= 60% | >= 60%         | >= 60% | >= 80% | >= 70% |
| Average Probability of Radar Type 1~4 (%) |        |        | 100% ( >=80% ) |        |        |        |

**<40MHz / 5510MHz>**

| (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                | N      | 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            | 29/30  | 30/30  | 30/30  |
| Probability (%)                           | 100%   | 100%   | 100%             | 96.67% | 100%   | 100%   |
| Limit (%)                                 | >= 60% | >= 60% | >= 60%           | >= 60% | >= 80% | >= 70% |
| Average Probability of Radar Type 1~4 (%) |        |        | 99.17% ( >=80% ) |        |        |        |



## 4 List of Measuring Equipment

| Instrument                 | Brand Name  | Model No.  | Serial No. | Characteristics        | Calibration Date | Test Date                       | Due Date      | Remark            |
|----------------------------|-------------|------------|------------|------------------------|------------------|---------------------------------|---------------|-------------------|
| RF Vector Signal Generator | Keysight    | N5182B     | MY57300963 | 9KHz~6GHz              | Mar. 26, 2024    | Jun. 10, 2024~<br>Jun. 14, 2024 | Mar. 25, 2025 | DFS<br>(DFS01-CA) |
| Frequency Extender         | Keysight    | N5182BX07  | MY59360230 | 9kHz~7.2GHz            | Mar. 26, 2024    | Jun. 10, 2024~<br>Jun. 14, 2024 | Mar. 25, 2025 | DFS<br>(DFS01-CA) |
| EXA Signal Analyzer        | Keysight    | N9010A     | MY56070412 | 10Hz~7GHz              | Nov. 30, 2023    | Jun. 10, 2024~<br>Jun. 14, 2024 | Nov. 29, 2024 | DFS<br>(DFS01-CA) |
| Horn Antenna               | SCHWARZBECK | BBHA 9120D | 01895      | 1GHz ~18GHz            | Sep. 25, 2023    | Jun. 10, 2024~<br>Jun. 14, 2024 | Sep. 24, 2024 | DFS<br>(DFS01-CA) |
| Horn Antenna               | SCHWARZBECK | BBHA 9120D | 01894      | 1GHz ~18GHz            | Aug. 30, 2023    | Jun. 10, 2024~<br>Jun. 14, 2024 | Aug. 29, 2024 | DFS<br>(DFS01-CA) |
| Hygrometer                 | Testo       | 608-H1     | 45142588   | Temperature & Humidity | Jul. 26, 2023    | Jun. 10, 2024~<br>Jun. 14, 2024 | Jul. 25, 2024 | DFS<br>(DFS01-CA) |



## **Appendix A. DFS Radar Parameters**



**Channel 58 Bandwidth 80MHz**

**DFS Radar Parameters**  
**FCC Radar Type 1**  
**Channel 58 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       | 9                                                 | 1474.93                                              | 678                                            | Yes                     |
| 2       | 15                                                | 1253.13                                              | 798                                            | Yes                     |
| 3       | 11                                                | 1392.76                                              | 718                                            | Yes                     |
| 4       | 5                                                 | 1672.24                                              | 598                                            | Yes                     |
| 5       | 3                                                 | 1792.11                                              | 558                                            | Yes                     |
| 6       | 12                                                | 1355.01                                              | 738                                            | Yes                     |
| 7       | 14                                                | 1285.35                                              | 778                                            | Yes                     |
| 8       | 22                                                | 1066.10                                              | 938                                            | Yes                     |
| 9       | 19                                                | 1138.95                                              | 878                                            | Yes                     |
| 10      | 21                                                | 1089.32                                              | 918                                            | Yes                     |
| 11      | 13                                                | 1319.26                                              | 758                                            | Yes                     |
| 12      | 10                                                | 1432.66                                              | 698                                            | Yes                     |
| 13      | 12                                                | 326.16                                               | 3066                                           | Yes                     |
| 14      | 4                                                 | 1730.10                                              | 578                                            | Yes                     |
| 15      | 8                                                 | 1519.76                                              | 658                                            | Yes                     |
| 16      |                                                   | 985.22                                               | 1015                                           | Yes                     |
| 17      |                                                   | 520.02                                               | 1923                                           | Yes                     |
| 18      |                                                   | 362.98                                               | 2755                                           | Yes                     |
| 19      |                                                   | 415.80                                               | 2405                                           | Yes                     |
| 20      |                                                   | 399.04                                               | 2506                                           | Yes                     |
| 21      |                                                   | 882.61                                               | 1133                                           | Yes                     |
| 22      |                                                   | 1184.83                                              | 844                                            | Yes                     |
| 23      |                                                   | 358.68                                               | 2788                                           | Yes                     |
| 24      |                                                   | 431.22                                               | 2319                                           | Yes                     |
| 25      |                                                   | 1182.03                                              | 846                                            | Yes                     |
| 26      |                                                   | 469.04                                               | 2132                                           | Yes                     |
| 27      |                                                   | 798.72                                               | 1252                                           | Yes                     |
| 28      |                                                   | 526.59                                               | 1899                                           | Yes                     |
| 29      |                                                   | 914.91                                               | 1093                                           | Yes                     |
| 30      |                                                   | 1795.33                                              | 557                                            | Yes                     |

**DFS Radar Parameters**  
**FCC Radar Type 2**  
**Channel 58 Bandwidth 80MHz**

| Trial # | Number Pulses per Burst | Pulse Width<br>(Microseconds) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|-------------------------|-------------------------------|------------------------------------------------|-------------------------|
| 1       | 27                      | 3.70                          | 225                                            | Yes                     |
| 2       | 24                      | 1.90                          | 153                                            | Yes                     |
| 3       | 25                      | 2.20                          | 213                                            | Yes                     |
| 4       | 27                      | 3.90                          | 196                                            | Yes                     |
| 5       | 29                      | 4.60                          | 223                                            | Yes                     |
| 6       | 27                      | 3.30                          | 210                                            | Yes                     |
| 7       | 25                      | 2.20                          | 172                                            | Yes                     |
| 8       | 26                      | 3.30                          | 162                                            | Yes                     |
| 9       | 25                      | 2.50                          | 197                                            | Yes                     |
| 10      | 29                      | 4.50                          | 205                                            | Yes                     |
| 11      | 29                      | 4.90                          | 150                                            | Yes                     |
| 12      | 25                      | 2.70                          | 167                                            | Yes                     |
| 13      | 26                      | 2.90                          | 163                                            | Yes                     |
| 14      | 29                      | 4.90                          | 216                                            | Yes                     |
| 15      | 24                      | 1.60                          | 173                                            | Yes                     |
| 16      | 29                      | 4.90                          | 164                                            | Yes                     |
| 17      | 28                      | 4.30                          | 177                                            | Yes                     |
| 18      | 29                      | 4.70                          | 171                                            | Yes                     |
| 19      | 27                      | 3.80                          | 229                                            | Yes                     |
| 20      | 24                      | 1.70                          | 181                                            | Yes                     |
| 21      | 25                      | 2.20                          | 224                                            | Yes                     |
| 22      | 24                      | 1.90                          | 188                                            | Yes                     |
| 23      | 26                      | 3.20                          | 152                                            | Yes                     |
| 24      | 27                      | 3.80                          | 226                                            | Yes                     |
| 25      | 29                      | 4.90                          | 190                                            | Yes                     |
| 26      | 29                      | 4.60                          | 195                                            | Yes                     |
| 27      | 26                      | 3.20                          | 227                                            | Yes                     |
| 28      | 25                      | 2.40                          | 156                                            | Yes                     |
| 29      | 26                      | 3.00                          | 160                                            | Yes                     |
| 30      | 26                      | 2.80                          | 187                                            | Yes                     |

**DFS Radar Parameters**  
**FCC Radar Type 3**  
**Channel 58 Bandwidth 80MHz**

| Trial # | Number Pulses per Burst | Pulse Width<br>(Microseconds) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|-------------------------|-------------------------------|------------------------------------------------|-------------------------|
| 1       | 17                      | 8.70                          | 324                                            | Yes                     |
| 2       | 16                      | 6.90                          | 450                                            | Yes                     |
| 3       | 16                      | 7.20                          | 440                                            | Yes                     |
| 4       | 18                      | 8.90                          | 319                                            | Yes                     |
| 5       | 18                      | 9.60                          | 385                                            | Yes                     |
| 6       | 17                      | 8.30                          | 437                                            | Yes                     |
| 7       | 16                      | 7.20                          | 337                                            | Yes                     |
| 8       | 17                      | 8.30                          | 296                                            | Yes                     |
| 9       | 17                      | 7.50                          | 220                                            | Yes                     |
| 10      | 18                      | 9.50                          | 438                                            | Yes                     |
| 11      | 18                      | 9.90                          | 397                                            | Yes                     |
| 12      | 17                      | 7.70                          | 381                                            | Yes                     |
| 13      | 17                      | 7.90                          | 407                                            | Yes                     |
| 14      | 18                      | 9.90                          | 331                                            | Yes                     |
| 15      | 16                      | 6.60                          | 488                                            | Yes                     |
| 16      | 18                      | 9.90                          | 469                                            | Yes                     |
| 17      | 18                      | 9.30                          | 339                                            | Yes                     |
| 18      | 18                      | 9.70                          | 467                                            | Yes                     |
| 19      | 18                      | 8.80                          | 206                                            | Yes                     |
| 20      | 16                      | 6.70                          | 389                                            | Yes                     |
| 21      | 16                      | 7.20                          | 362                                            | Yes                     |
| 22      | 16                      | 6.90                          | 244                                            | No                      |
| 23      | 17                      | 8.20                          | 288                                            | Yes                     |
| 24      | 18                      | 8.80                          | 250                                            | Yes                     |
| 25      | 18                      | 9.90                          | 391                                            | Yes                     |
| 26      | 18                      | 9.60                          | 204                                            | No                      |
| 27      | 17                      | 8.20                          | 297                                            | Yes                     |
| 28      | 17                      | 7.40                          | 489                                            | Yes                     |
| 29      | 17                      | 8.00                          | 429                                            | Yes                     |
| 30      | 17                      | 7.80                          | 359                                            | Yes                     |

**DFS Radar Parameters**  
**FCC Radar Type 4**  
**Channel 58 Bandwidth 80MHz**

| Trial # | Number Pulses per Burst | Pulse Width<br>(Microseconds) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|-------------------------|-------------------------------|------------------------------------------------|-------------------------|
| 1       | 15                      | 17.00                         | 324                                            | Yes                     |
| 2       | 13                      | 13.10                         | 450                                            | Yes                     |
| 3       | 13                      | 13.60                         | 440                                            | Yes                     |
| 4       | 15                      | 17.40                         | 319                                            | Yes                     |
| 5       | 16                      | 19.10                         | 385                                            | Yes                     |
| 6       | 14                      | 16.20                         | 437                                            | Yes                     |
| 7       | 13                      | 13.80                         | 337                                            | Yes                     |
| 8       | 14                      | 16.10                         | 296                                            | Yes                     |
| 9       | 13                      | 14.30                         | 220                                            | Yes                     |
| 10      | 16                      | 18.80                         | 438                                            | Yes                     |
| 11      | 16                      | 19.60                         | 397                                            | Yes                     |
| 12      | 14                      | 14.80                         | 381                                            | Yes                     |
| 13      | 14                      | 15.30                         | 407                                            | Yes                     |
| 14      | 16                      | 19.70                         | 331                                            | Yes                     |
| 15      | 12                      | 12.40                         | 488                                            | Yes                     |
| 16      | 16                      | 19.70                         | 469                                            | Yes                     |
| 17      | 16                      | 18.40                         | 339                                            | Yes                     |
| 18      | 16                      | 19.30                         | 467                                            | Yes                     |
| 19      | 15                      | 17.40                         | 206                                            | Yes                     |
| 20      | 12                      | 12.70                         | 389                                            | Yes                     |
| 21      | 13                      | 13.80                         | 362                                            | Yes                     |
| 22      | 13                      | 13.20                         | 244                                            | Yes                     |
| 23      | 14                      | 15.90                         | 288                                            | Yes                     |
| 24      | 15                      | 17.30                         | 250                                            | Yes                     |
| 25      | 16                      | 19.80                         | 391                                            | Yes                     |
| 26      | 16                      | 19.00                         | 204                                            | Yes                     |
| 27      | 14                      | 15.80                         | 297                                            | Yes                     |
| 28      | 13                      | 14.10                         | 489                                            | Yes                     |
| 29      | 14                      | 15.50                         | 429                                            | Yes                     |
| 30      | 14                      | 15.10                         | 359                                            | Yes                     |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 1                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 16                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5290                 |                                   |                                   |                                                |
| 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                   | 83.1                              | 15                   | 1360                              | -                                 | 675545                                         |
| 2                          | 1                   | 61.7                              | 15                   | -                                 | -                                 | 109752                                         |
| 3                          | 1                   | 64.7                              | 15                   | -                                 | -                                 | 291406                                         |
| 4                          | 3                   | 85.6                              | 15                   | 1315                              | 1457                              | 470740                                         |
| 5                          | 3                   | 94.8                              | 15                   | 1738                              | 1770                              | 651561                                         |
| 6                          | 2                   | 78.7                              | 15                   | 1177                              | -                                 | 87186                                          |
| 7                          | 1                   | 65.6                              | 15                   | -                                 | -                                 | 268901                                         |
| 8                          | 2                   | 78.2                              | 15                   | 1060                              | -                                 | 449949                                         |
| 9                          | 2                   | 68.6                              | 15                   | 1839                              | -                                 | 630766                                         |
| 10                         | 3                   | 93.1                              | 15                   | 1546                              | 1243                              | 64714                                          |
| 11                         | 3                   | 97.8                              | 15                   | 1672                              | 1400                              | 245570                                         |
| 12                         | 2                   | 71.1                              | 15                   | 1206                              | -                                 | 427168                                         |
| 13                         | 2                   | 73.8                              | 15                   | 1801                              | -                                 | 608206                                         |
| 14                         | 3                   | 98                                | 15                   | 1027                              | 1317                              | 42516                                          |
| 15                         | 1                   | 58.1                              | 15                   | -                                 | -                                 | 224255                                         |
| 16                         | 3                   | 98.1                              | 15                   | 1103                              | 1628                              | 403959                                         |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 2                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 11                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5290                 |                                   |                                   | 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                   | 91.1                              | 8                    | 1260                              | 1726                              | 852229                                         |
| 2                          | 3                   | 95.8                              | 8                    | 1256                              | 1835                              | 29410                                          |
| 3                          | 3                   | 85.3                              | 8                    | 1547                              | 1982                              | 292698                                         |
| 4                          | 1                   | 59.6                              | 8                    | -                                 | -                                 | 558061                                         |
| 5                          | 1                   | 65.4                              | 8                    | -                                 | -                                 | 822233                                         |
| 6                          | 1                   | 62.1                              | 8                    | -                                 | -                                 | 1085995                                        |
| 7                          | 2                   | 77.5                              | 8                    | 1834                              | -                                 | 260707                                         |
| 8                          | 3                   | 84.9                              | 8                    | 1887                              | 1008                              | 523807                                         |
| 9                          | 3                   | 98.6                              | 8                    | 1535                              | 1367                              | 787699                                         |
| 10                         | 3                   | 94.3                              | 8                    | 1943                              | 1487                              | 1050896                                        |
| 11                         | 2                   | 76.9                              | 8                    | 1922                              | -                                 | 228160                                         |
| 12                         |                     |                                   |                      |                                   |                                   |                                                |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 3                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 11                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5290                 |                                   |                                   | 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                   | 67.3                              | 9                    | 1127                              | -                                 | 492134                                         |
| 2                          | 2                   | 75.2                              | 9                    | 1453                              | -                                 | 755714                                         |
| 3                          | 2                   | 72.5                              | 9                    | 1213                              | -                                 | 1020123                                        |
| 4                          | 1                   | 52.9                              | 9                    | -                                 | -                                 | 196053                                         |
| 5                          | 3                   | 94.2                              | 9                    | 1803                              | 1113                              | 459017                                         |
| 6                          | 1                   | 55.5                              | 9                    | -                                 | -                                 | 724495                                         |
| 7                          | 3                   | 84.3                              | 9                    | 1663                              | 1316                              | 986204                                         |
| 8                          | 1                   | 59.8                              | 9                    | -                                 | -                                 | 163484                                         |
| 9                          | 2                   | 81.3                              | 9                    | 1468                              | -                                 | 426988                                         |
| 10                         | 3                   | 85.6                              | 9                    | 1093                              | 1969                              | 689946                                         |
| 11                         | 1                   | 62.9                              | 9                    | -                                 | -                                 | 956476                                         |
| 12                         |                     |                                   |                      |                                   |                                   |                                                |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 4                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 17                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5290                 |                                   |                                   | 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                   | 69.8                              | 16                   | 1962                              | -                                 | 84444                                          |
| 2                          | 1                   | 55.7                              | 16                   | -                                 | -                                 | 255455                                         |
| 3                          | 3                   | 89.6                              | 16                   | 1233                              | 1492                              | 424433                                         |
| 4                          | 3                   | 87.4                              | 16                   | 1336                              | 1580                              | 594670                                         |
| 5                          | 1                   | 58.4                              | 16                   | -                                 | -                                 | 63613                                          |
| 6                          | 2                   | 82                                | 16                   | 1978                              | -                                 | 233727                                         |
| 7                          | 1                   | 52.3                              | 16                   | -                                 | -                                 | 405364                                         |
| 8                          | 1                   | 65                                | 16                   | -                                 | -                                 | 576336                                         |
| 9                          | 3                   | 96.3                              | 16                   | 1414                              | 1308                              | 42408                                          |
| 10                         | 3                   | 94.6                              | 16                   | 1501                              | 1125                              | 212557                                         |
| 11                         | 1                   | 60.5                              | 16                   | -                                 | -                                 | 384368                                         |
| 12                         | 1                   | 62.3                              | 16                   | -                                 | -                                 | 555302                                         |
| 13                         | 3                   | 89.3                              | 16                   | 1019                              | 1394                              | 21496                                          |
| 14                         | 3                   | 94.3                              | 16                   | 1227                              | 1569                              | 191508                                         |
| 15                         | 2                   | 82                                | 16                   | 1796                              | -                                 | 362099                                         |
| 16                         | 1                   | 58.5                              | 16                   | -                                 | -                                 | 533848                                         |
| 17                         | 2                   | 77.4                              | 16                   | 1037                              | -                                 | 514                                            |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 5                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 19                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5290                 |                                   |                                   | 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                   | 71                                | 19                   | 1570                              | -                                 | 152778                                         |
| 2                          | 3                   | 84.3                              | 19                   | 1952                              | 1956                              | 304130                                         |
| 3                          | 2                   | 79.9                              | 19                   | 1991                              | -                                 | 457279                                         |
| 4                          | 3                   | 87                                | 19                   | 1451                              | 1330                              | 609344                                         |
| 5                          | 1                   | 50.4                              | 19                   | -                                 | -                                 | 134532                                         |
| 6                          | 1                   | 51.8                              | 19                   | -                                 | -                                 | 287125                                         |
| 7                          | 3                   | 98.3                              | 19                   | 1314                              | 1040                              | 438716                                         |
| 8                          | 1                   | 52.9                              | 19                   | -                                 | -                                 | 592717                                         |
| 9                          | 3                   | 96.2                              | 19                   | 1703                              | 1380                              | 115067                                         |
| 10                         | 3                   | 90.2                              | 19                   | 1165                              | 1488                              | 267324                                         |
| 11                         | 1                   | 53.6                              | 19                   | -                                 | -                                 | 421185                                         |
| 12                         | 1                   | 65.6                              | 19                   | -                                 | -                                 | 574050                                         |
| 13                         | 3                   | 89.5                              | 19                   | 1182                              | 1631                              | 96313                                          |
| 14                         | 3                   | 88.2                              | 19                   | 1186                              | 1442                              | 248508                                         |
| 15                         | 2                   | 76.9                              | 19                   | 1151                              | -                                 | 401545                                         |
| 16                         | 1                   | 62.5                              | 19                   | -                                 | -                                 | 555202                                         |
| 17                         | 2                   | 78.1                              | 19                   | 1388                              | -                                 | 77845                                          |
| 18                         | 2                   | 75.9                              | 19                   | 1088                              | -                                 | 230433                                         |
| 19                         | 2                   | 79.6                              | 19                   | 1129                              | -                                 | 382827                                         |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 6                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 15                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5290                 |                                   |                                   | 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                              | 14                   | 1832                              | -                                 | 678507                                         |
| 2                          | 2                   | 78.1                              | 14                   | 1225                              | -                                 | 74833                                          |
| 3                          | 1                   | 53.6                              | 14                   | -                                 | -                                 | 268746                                         |
| 4                          | 3                   | 95.5                              | 14                   | 1271                              | 1443                              | 460688                                         |
| 5                          | 2                   | 82.6                              | 14                   | 1038                              | -                                 | 655183                                         |
| 6                          | 3                   | 83.6                              | 14                   | 1504                              | 1638                              | 50903                                          |
| 7                          | 3                   | 98.1                              | 14                   | 1527                              | 1269                              | 243797                                         |
| 8                          | 2                   | 82.4                              | 14                   | 1656                              | -                                 | 437433                                         |
| 9                          | 1                   | 56.7                              | 14                   | -                                 | -                                 | 631754                                         |
| 10                         | 1                   | 62.9                              | 14                   | -                                 | -                                 | 27267                                          |
| 11                         | 2                   | 83.3                              | 14                   | 1472                              | -                                 | 220485                                         |
| 12                         | 1                   | 58.7                              | 14                   | -                                 | -                                 | 414448                                         |
| 13                         | 1                   | 62.1                              | 14                   | -                                 | -                                 | 608571                                         |
| 14                         | 3                   | 97.1                              | 14                   | 1372                              | 1329                              | 3397                                           |
| 15                         | 1                   | 56.8                              | 14                   | -                                 | -                                 | 196979                                         |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |



**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 7                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5290                 |                                   |                                   | 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                   | 88.9                              | 9                    | 1552                              | 1352                              | 487004                                         |
| 2                          | 3                   | 97.1                              | 9                    | 1312                              | 1681                              | 728591                                         |
| 3                          | 1                   | 55.7                              | 9                    | -                                 | -                                 | 973024                                         |
| 4                          | 2                   | 76                                | 9                    | 1550                              | -                                 | 216181                                         |
| 5                          | 2                   | 69.4                              | 9                    | 1766                              | -                                 | 458185                                         |
| 6                          | 1                   | 53.8                              | 9                    | -                                 | -                                 | 701190                                         |
| 7                          | 3                   | 91.3                              | 9                    | 1750                              | 1816                              | 939326                                         |
| 8                          | 3                   | 84.4                              | 9                    | 1287                              | 1916                              | 186145                                         |
| 9                          | 1                   | 62.3                              | 9                    | -                                 | -                                 | 429035                                         |
| 10                         | 3                   | 91.9                              | 9                    | 1518                              | 1729                              | 669244                                         |
| 11                         | 3                   | 98.8                              | 9                    | 1935                              | 1054                              | 910936                                         |
| 12                         | 3                   | 99.5                              | 9                    | 1485                              | 1658                              | 156400                                         |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 8                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 15                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5290                 |                                   |                                   | 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                   | 56.7                              | 14                   | -                                 | -                                 | 319180                                         |
| 2                          | 1                   | 56.3                              | 14                   | -                                 | -                                 | 512574                                         |
| 3                          | 3                   | 83.7                              | 14                   | 1148                              | 1405                              | 704505                                         |
| 4                          | 3                   | 99.8                              | 14                   | 1584                              | 1215                              | 101338                                         |
| 5                          | 1                   | 61.1                              | 14                   | -                                 | -                                 | 295279                                         |
| 6                          | 2                   | 68.3                              | 14                   | 1144                              | -                                 | 488258                                         |
| 7                          | 1                   | 52.4                              | 14                   | -                                 | -                                 | 682896                                         |
| 8                          | 3                   | 88.4                              | 14                   | 2000                              | 1695                              | 77414                                          |
| 9                          | 3                   | 99.3                              | 14                   | 1305                              | 1337                              | 270532                                         |
| 10                         | 2                   | 67.3                              | 14                   | 1187                              | -                                 | 464442                                         |
| 11                         | 3                   | 88.8                              | 14                   | 1582                              | 1961                              | 656040                                         |
| 12                         | 3                   | 97.4                              | 14                   | 1245                              | 1973                              | 53700                                          |
| 13                         | 1                   | 53.4                              | 14                   | -                                 | -                                 | 247557                                         |
| 14                         | 1                   | 52.3                              | 14                   | -                                 | -                                 | 441495                                         |
| 15                         | 2                   | 69.5                              | 14                   | 1829                              | -                                 | 633784                                         |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

| Trial Number:              |                  |                                | 9                    |                                |                                | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|--------------------------------|--------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 12                   |                                |                                |                                                |
| Chirp Center Frequency:    |                  |                                | 5290                 |                                |                                | 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                | 91.5                           | 10                   | 1987                           | 1022                           | 37504                                          |
| 2                          | 3                | 90.1                           | 10                   | 1601                           | 1051                           | 279141                                         |
| 3                          | 1                | 62.8                           | 10                   | -                              | -                              | 522212                                         |
| 4                          | 2                | 81.4                           | 10                   | 1214                           | -                              | 762988                                         |
| 5                          | 3                | 91.5                           | 10                   | 1455                           | 1258                           | 7769                                           |
| 6                          | 2                | 68.5                           | 10                   | 1020                           | -                              | 249813                                         |
| 7                          | 2                | 82.6                           | 10                   | 1353                           | -                              | 491261                                         |
| 8                          | 3                | 99.4                           | 10                   | 1674                           | 1003                           | 732414                                         |
| 9                          | 2                | 79.8                           | 10                   | 1825                           | -                              | 975048                                         |
| 10                         | 1                | 56.8                           | 10                   | -                              | -                              | 220197                                         |
| 11                         | 1                | 52.1                           | 10                   | -                              | -                              | 462189                                         |
| 12                         | 1                | 56.5                           | 10                   | -                              | -                              | 704224                                         |
| 13                         |                  |                                |                      |                                |                                |                                                |
| 14                         |                  |                                |                      |                                |                                |                                                |
| 15                         |                  |                                |                      |                                |                                |                                                |
| 16                         |                  |                                |                      |                                |                                |                                                |
| 17                         |                  |                                |                      |                                |                                |                                                |
| 18                         |                  |                                |                      |                                |                                |                                                |
| 19                         |                  |                                |                      |                                |                                |                                                |
| 20                         |                  |                                |                      |                                |                                |                                                |

| Trial Number:              |                     |                                   | 10                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 19                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5290                 |                                   |                                   | 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                   | 75.7                              | 18                   | 1919                              | -                                 | 595601                                         |
| 2                          | 2                   | 78.9                              | 18                   | 1486                              | -                                 | 119864                                         |
| 3                          | 3                   | 93.8                              | 18                   | 1425                              | 1931                              | 271395                                         |
| 4                          | 3                   | 91.4                              | 18                   | 1706                              | 1539                              | 423578                                         |
| 5                          | 1                   | 53.5                              | 18                   | -                                 | -                                 | 578563                                         |
| 6                          | 3                   | 83.8                              | 18                   | 1318                              | 1754                              | 100741                                         |
| 7                          | 3                   | 84.1                              | 18                   | 1874                              | 1744                              | 252568                                         |
| 8                          | 3                   | 91.4                              | 18                   | 1955                              | 1688                              | 404429                                         |
| 9                          | 2                   | 76                                | 18                   | 1162                              | -                                 | 558382                                         |
| 10                         | 2                   | 73.1                              | 18                   | 1209                              | -                                 | 82239                                          |
| 11                         | 1                   | 63.1                              | 18                   | -                                 | -                                 | 235125                                         |
| 12                         | 2                   | 72.1                              | 18                   | 1654                              | -                                 | 386987                                         |
| 13                         | 3                   | 90.4                              | 18                   | 1643                              | 1898                              | 538080                                         |
| 14                         | 1                   | 59.6                              | 18                   | -                                 | -                                 | 63595                                          |
| 15                         | 1                   | 58.7                              | 18                   | -                                 | -                                 | 216433                                         |
| 16                         | 1                   | 57.6                              | 18                   | -                                 | -                                 | 369156                                         |
| 17                         | 2                   | 71.5                              | 18                   | 1588                              | -                                 | 520455                                         |
| 18                         | 1                   | 58.2                              | 18                   | -                                 | -                                 | 44771                                          |
| 19                         | 1                   | 58.4                              | 18                   | -                                 | -                                 | 197662                                         |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 11                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 20                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5260                 |                                   |                                   | 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                   | 72.6                              | 20                   | 1146                              | -                                 | 332110                                         |
| 2                          | 2                   | 67                                | 20                   | 1476                              | -                                 | 476598                                         |
| 3                          | 3                   | 84.3                              | 20                   | 1807                              | 1175                              | 24541                                          |
| 4                          | 3                   | 99.8                              | 20                   | 1786                              | 1427                              | 168837                                         |
| 5                          | 3                   | 94.4                              | 20                   | 1853                              | 1986                              | 313014                                         |
| 6                          | 3                   | 99.5                              | 20                   | 1071                              | 1021                              | 458851                                         |
| 7                          | 1                   | 60.5                              | 20                   | -                                 | -                                 | 6793                                           |
| 8                          | 1                   | 57.2                              | 20                   | -                                 | -                                 | 151870                                         |
| 9                          | 2                   | 81                                | 20                   | 1534                              | -                                 | 296485                                         |
| 10                         | 2                   | 74.2                              | 20                   | 1193                              | -                                 | 441654                                         |
| 11                         | 1                   | 56.9                              | 20                   | -                                 | -                                 | 587651                                         |
| 12                         | 1                   | 53.8                              | 20                   | -                                 | -                                 | 134151                                         |
| 13                         | 3                   | 93                                | 20                   | 1953                              | 1091                              | 277692                                         |
| 14                         | 1                   | 59                                | 20                   | -                                 | -                                 | 424461                                         |
| 15                         | 1                   | 61.8                              | 20                   | -                                 | -                                 | 569492                                         |
| 16                         | 2                   | 76.7                              | 20                   | 1988                              | -                                 | 115877                                         |
| 17                         | 1                   | 59.5                              | 20                   | -                                 | -                                 | 261537                                         |
| 18                         | 1                   | 55.5                              | 20                   | -                                 | -                                 | 406579                                         |
| 19                         | 2                   | 75.9                              | 20                   | 1967                              | -                                 | 549893                                         |
| 20                         | 3                   | 85.3                              | 20                   | 1277                              | 1327                              | 97909                                          |

| Trial Number:              |                     |                                   | 12                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 13                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5256                 |                                   |                                   | 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                   | 63.5                              | 11                   | -                                 | -                                 | 375051                                         |
| 2                          | 2                   | 69.4                              | 11                   | 1827                              | -                                 | 597037                                         |
| 3                          | 1                   | 61                                | 11                   | -                                 | -                                 | 821889                                         |
| 4                          | 3                   | 93.6                              | 11                   | 1517                              | 1036                              | 123482                                         |
| 5                          | 2                   | 68.4                              | 11                   | 1910                              | -                                 | 346733                                         |
| 6                          | 2                   | 76.9                              | 11                   | 1261                              | -                                 | 570266                                         |
| 7                          | 3                   | 90.8                              | 11                   | 1867                              | 1677                              | 791484                                         |
| 8                          | 3                   | 91.1                              | 11                   | 1363                              | 1701                              | 95990                                          |
| 9                          | 2                   | 81.9                              | 11                   | 1344                              | -                                 | 319442                                         |
| 10                         | 1                   | 59.8                              | 11                   | -                                 | -                                 | 543335                                         |
| 11                         | 2                   | 75                                | 11                   | 1895                              | -                                 | 765272                                         |
| 12                         | 2                   | 77.8                              | 11                   | 1112                              | -                                 | 68726                                          |
| 13                         | 2                   | 71.6                              | 11                   | 1447                              | -                                 | 291748                                         |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 13                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 14                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5257                 |                                   |                                   | 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                   | 98.5                              | 12                   | 1387                              | 1917                              | 476992                                         |
| 2                          | 2                   | 79.6                              | 12                   | 1469                              | -                                 | 685541                                         |
| 3                          | 3                   | 89.6                              | 12                   | 1780                              | 1433                              | 38144                                          |
| 4                          | 3                   | 91.5                              | 12                   | 1511                              | 1936                              | 244778                                         |
| 5                          | 2                   | 79.1                              | 12                   | 1607                              | -                                 | 452733                                         |
| 6                          | 3                   | 99.5                              | 12                   | 1172                              | 1238                              | 659333                                         |
| 7                          | 3                   | 91.9                              | 12                   | 1811                              | 1711                              | 12682                                          |
| 8                          | 3                   | 93                                | 12                   | 1682                              | 1755                              | 219489                                         |
| 9                          | 2                   | 76.6                              | 12                   | 1082                              | -                                 | 427266                                         |
| 10                         | 1                   | 53                                | 12                   | -                                 | -                                 | 635612                                         |
| 11                         | 2                   | 67.1                              | 12                   | 1065                              | -                                 | 841872                                         |
| 12                         | 2                   | 69                                | 12                   | 1007                              | -                                 | 194475                                         |
| 13                         | 2                   | 69.2                              | 12                   | 1664                              | -                                 | 401493                                         |
| 14                         | 2                   | 70.1                              | 12                   | 1099                              | -                                 | 608701                                         |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                  |                             | 14                |                             |                             | Detection<br>(Yes/No)                    |
|----------------------------|------------------|-----------------------------|-------------------|-----------------------------|-----------------------------|------------------------------------------|
| Number of Bursts in Trial: |                  |                             | 20                |                             |                             |                                          |
| Chirp Center Frequency:    |                  |                             | 5260              |                             |                             | Yes                                      |
| 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                          | 1                | 63                          | 20                | -                           | -                           | 571695                                   |
| 2                          | 2                | 78.5                        | 20                | 1556                        | -                           | 117898                                   |
| 3                          | 2                | 83                          | 20                | 1689                        | -                           | 262780                                   |
| 4                          | 3                | 99.2                        | 20                | 1416                        | 1105                        | 406942                                   |
| 5                          | 1                | 52                          | 20                | -                           | -                           | 553383                                   |
| 6                          | 3                | 95.7                        | 20                | 1680                        | 1358                        | 99846                                    |
| 7                          | 2                | 72.9                        | 20                | 1800                        | -                           | 244659                                   |
| 8                          | 3                | 94.9                        | 20                | 1600                        | 1510                        | 388640                                   |
| 9                          | 1                | 53.1                        | 20                | -                           | -                           | 536219                                   |
| 10                         | 1                | 55.9                        | 20                | -                           | -                           | 82591                                    |
| 11                         | 3                | 90.8                        | 20                | 1470                        | 1321                        | 226553                                   |
| 12                         | 2                | 81.4                        | 20                | 1742                        | -                           | 371456                                   |
| 13                         | 2                | 67.4                        | 20                | 1653                        | -                           | 516436                                   |
| 14                         | 1                | 58.7                        | 20                | -                           | -                           | 64629                                    |
| 15                         | 2                | 69.4                        | 20                | 1349                        | -                           | 209314                                   |
| 16                         | 2                | 75.3                        | 20                | 1860                        | -                           | 353880                                   |
| 17                         | 2                | 71.2                        | 20                | 1421                        | -                           | 498732                                   |
| 18                         | 3                | 99.2                        | 20                | 1862                        | 1160                        | 46513                                    |
| 19                         | 2                | 79.2                        | 20                | 1541                        | -                           | 191302                                   |
| 20                         | 2                | 82.3                        | 20                | 1332                        | -                           | 336143                                   |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

|                            |                  |                                |                      |                                   |                                   |                                                |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Trial Number:              |                  |                                | 15                   |                                   |                                   | Detection<br>(Yes/No)                          |
| Number of Bursts in Trial: |                  |                                | 10                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5255                 |                                   |                                   | 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                | 94.6                           | 7                    | 1693                              | 1589                              | 962939                                         |
| 2                          | 2                | 79.5                           | 7                    | 1690                              | -                                 | 57795                                          |
| 3                          | 2                | 72.3                           | 7                    | 1537                              | -                                 | 347975                                         |
| 4                          | 3                | 85.3                           | 7                    | 1474                              | 1572                              | 637787                                         |
| 5                          | 2                | 80.5                           | 7                    | 1263                              | -                                 | 929215                                         |
| 6                          | 1                | 56.1                           | 7                    | -                                 | -                                 | 22069                                          |
| 7                          | 3                | 84                             | 7                    | 1837                              | 1753                              | 311682                                         |
| 8                          | 3                | 92.3                           | 7                    | 1310                              | 1889                              | 601962                                         |
| 9                          | 3                | 86.9                           | 7                    | 1639                              | 1751                              | 891541                                         |
| 10                         | 1                | 66.3                           | 7                    | -                                 | -                                 | 1184406                                        |
| 11                         |                  |                                |                      |                                   |                                   |                                                |
| 12                         |                  |                                |                      |                                   |                                   |                                                |
| 13                         |                  |                                |                      |                                   |                                   |                                                |
| 14                         |                  |                                |                      |                                   |                                   |                                                |
| 15                         |                  |                                |                      |                                   |                                   |                                                |
| 16                         |                  |                                |                      |                                   |                                   |                                                |
| 17                         |                  |                                |                      |                                   |                                   |                                                |
| 18                         |                  |                                |                      |                                   |                                   |                                                |
| 19                         |                  |                                |                      |                                   |                                   |                                                |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

| Trial Number:              |                  |                             | 16                |                             |                             | Detection<br>(Yes/No)                    |
|----------------------------|------------------|-----------------------------|-------------------|-----------------------------|-----------------------------|------------------------------------------|
| Number of Bursts in Trial: |                  |                             | 20                |                             |                             |                                          |
| Chirp Center Frequency:    |                  |                             | 5260              |                             |                             | Yes                                      |
| 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                          | 3                | 93.9                        | 20                | 1618                        | 1158                        | 137557                                   |
| 2                          | 2                | 74.5                        | 20                | 1130                        | -                           | 283091                                   |
| 3                          | 3                | 99.2                        | 20                | 1381                        | 1995                        | 426043                                   |
| 4                          | 1                | 56.7                        | 20                | -                           | -                           | 574145                                   |
| 5                          | 2                | 77.7                        | 20                | 1821                        | -                           | 120016                                   |
| 6                          | 1                | 62.5                        | 20                | -                           | -                           | 265418                                   |
| 7                          | 3                | 98.9                        | 20                | 1923                        | 1326                        | 408634                                   |
| 8                          | 1                | 60.6                        | 20                | -                           | -                           | 556128                                   |
| 9                          | 2                | 73                          | 20                | 1734                        | -                           | 102259                                   |
| 10                         | 2                | 82.2                        | 20                | 1057                        | -                           | 247131                                   |
| 11                         | 3                | 98.7                        | 20                | 1236                        | 1138                        | 391500                                   |
| 12                         | 1                | 53.5                        | 20                | -                           | -                           | 537598                                   |
| 13                         | 2                | 76.4                        | 20                | 1924                        | -                           | 84391                                    |
| 14                         | 3                | 83.6                        | 20                | 1878                        | 1143                        | 228545                                   |
| 15                         | 1                | 50.6                        | 20                | -                           | -                           | 374903                                   |
| 16                         | 3                | 97.7                        | 20                | 1365                        | 1178                        | 517574                                   |
| 17                         | 2                | 82                          | 20                | 1899                        | -                           | 66552                                    |
| 18                         | 2                | 83.2                        | 20                | 1904                        | -                           | 211375                                   |
| 19                         | 2                | 73.6                        | 20                | 1449                        | -                           | 356518                                   |
| 20                         | 1                | 51.2                        | 20                | -                           | -                           | 501903                                   |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 17                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 18                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5259                 |                                   |                                   | 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                   | 81.9                              | 18                   | 1586                              | -                                 | 54180                                          |
| 2                          | 2                   | 68                                | 18                   | 1320                              | -                                 | 215317                                         |
| 3                          | 3                   | 89.9                              | 18                   | 1411                              | 1722                              | 375347                                         |
| 4                          | 3                   | 87                                | 18                   | 1334                              | 1205                              | 536163                                         |
| 5                          | 2                   | 75.6                              | 18                   | 1823                              | -                                 | 34399                                          |
| 6                          | 3                   | 83.6                              | 18                   | 1575                              | 1872                              | 194670                                         |
| 7                          | 1                   | 56.2                              | 18                   | -                                 | -                                 | 357060                                         |
| 8                          | 3                   | 97.8                              | 18                   | 1715                              | 1843                              | 516058                                         |
| 9                          | 2                   | 68.7                              | 18                   | 1998                              | -                                 | 14550                                          |
| 10                         | 3                   | 95.9                              | 18                   | 1159                              | 1410                              | 175285                                         |
| 11                         | 1                   | 61.6                              | 18                   | -                                 | -                                 | 337352                                         |
| 12                         | 2                   | 80.7                              | 18                   | 1282                              | -                                 | 497323                                         |
| 13                         | 1                   | 58                                | 18                   | -                                 | -                                 | 660254                                         |
| 14                         | 3                   | 86.9                              | 18                   | 1012                              | 1351                              | 155527                                         |
| 15                         | 1                   | 62                                | 18                   | -                                 | -                                 | 317275                                         |
| 16                         | 1                   | 66.3                              | 18                   | -                                 | -                                 | 478862                                         |
| 17                         | 2                   | 82.3                              | 18                   | 1532                              | -                                 | 638749                                         |
| 18                         | 1                   | 60.6                              | 18                   | -                                 | -                                 | 136184                                         |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 18                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 19                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5259                 |                                   |                                   | 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                   | 81                                | 19                   | 1604                              | -                                 | 281090                                         |
| 2                          | 1                   | 56.9                              | 19                   | -                                 | -                                 | 434673                                         |
| 3                          | 2                   | 76.5                              | 19                   | 1869                              | -                                 | 585588                                         |
| 4                          | 1                   | 60.5                              | 19                   | -                                 | -                                 | 110128                                         |
| 5                          | 2                   | 76.2                              | 19                   | 1496                              | -                                 | 262182                                         |
| 6                          | 3                   | 97                                | 19                   | 1948                              | 1084                              | 413727                                         |
| 7                          | 3                   | 83.7                              | 19                   | 1240                              | 1192                              | 566061                                         |
| 8                          | 3                   | 91.1                              | 19                   | 1813                              | 1430                              | 90857                                          |
| 9                          | 1                   | 53.1                              | 19                   | -                                 | -                                 | 244361                                         |
| 10                         | 3                   | 88.7                              | 19                   | 1915                              | 1540                              | 394922                                         |
| 11                         | 3                   | 84.7                              | 19                   | 1368                              | 1428                              | 547590                                         |
| 12                         | 2                   | 82.8                              | 19                   | 1976                              | -                                 | 72273                                          |
| 13                         | 2                   | 74.2                              | 19                   | 1379                              | -                                 | 224839                                         |
| 14                         | 1                   | 50.8                              | 19                   | -                                 | -                                 | 377935                                         |
| 15                         | 2                   | 68.7                              | 19                   | 1970                              | -                                 | 529478                                         |
| 16                         | 3                   | 85.6                              | 19                   | 1376                              | 1920                              | 53456                                          |
| 17                         | 3                   | 84.4                              | 19                   | 1975                              | 1749                              | 205278                                         |
| 18                         | 2                   | 75.9                              | 19                   | 1408                              | -                                 | 358793                                         |
| 19                         | 3                   | 84.6                              | 19                   | 1814                              | 1157                              | 509785                                         |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 19                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 17                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5258                 |                                   |                                   | 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                   | 62.2                              | 16                   | -                                 | -                                 | 39018                                          |
| 2                          | 2                   | 81.2                              | 16                   | 1417                              | -                                 | 209369                                         |
| 3                          | 3                   | 94.2                              | 16                   | 1114                              | 1333                              | 379199                                         |
| 4                          | 1                   | 56.3                              | 16                   | -                                 | -                                 | 551603                                         |
| 5                          | 1                   | 51.1                              | 16                   | -                                 | -                                 | 17962                                          |
| 6                          | 3                   | 92                                | 16                   | 1131                              | 1719                              | 187937                                         |
| 7                          | 2                   | 77.1                              | 16                   | 1647                              | -                                 | 358549                                         |
| 8                          | 2                   | 70.6                              | 16                   | 1452                              | -                                 | 529711                                         |
| 9                          | 2                   | 67.9                              | 16                   | 1990                              | -                                 | 699363                                         |
| 10                         | 3                   | 95.5                              | 16                   | 1244                              | 1669                              | 167102                                         |
| 11                         | 3                   | 89.5                              | 16                   | 1026                              | 1156                              | 337600                                         |
| 12                         | 2                   | 71.6                              | 16                   | 1992                              | -                                 | 507894                                         |
| 13                         | 3                   | 84.4                              | 16                   | 1494                              | 1378                              | 677582                                         |
| 14                         | 1                   | 65.3                              | 16                   | -                                 | -                                 | 146649                                         |
| 15                         | 2                   | 71.3                              | 16                   | 1817                              | -                                 | 316787                                         |
| 16                         | 1                   | 52.2                              | 16                   | -                                 | -                                 | 488268                                         |
| 17                         | 1                   | 66.6                              | 16                   | -                                 | -                                 | 659626                                         |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                  |                             | 20                |                             |                             | Detection<br>(Yes/No)                    |
|----------------------------|------------------|-----------------------------|-------------------|-----------------------------|-----------------------------|------------------------------------------|
| Number of Bursts in Trial: |                  |                             | 10                |                             |                             |                                          |
| Chirp Center Frequency:    |                  |                             | 5255              |                             |                             | Yes                                      |
| 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                | 74.8                        | 8                 | 1989                        | -                           | 213446                                   |
| 2                          | 2                | 71.3                        | 8                 | 1571                        | -                           | 503703                                   |
| 3                          | 3                | 91.8                        | 8                 | 1066                        | 1885                        | 793223                                   |
| 4                          | 3                | 93                          | 8                 | 1942                        | 1865                        | 1081978                                  |
| 5                          | 1                | 53.2                        | 8                 | -                           | -                           | 177987                                   |
| 6                          | 3                | 84.6                        | 8                 | 1727                        | 1611                        | 467370                                   |
| 7                          | 2                | 80.5                        | 8                 | 1900                        | -                           | 758044                                   |
| 8                          | 2                | 67.5                        | 8                 | 1212                        | -                           | 1048979                                  |
| 9                          | 1                | 63                          | 8                 | -                           | -                           | 142243                                   |
| 10                         | 3                | 85.9                        | 8                 | 1031                        | 1419                        | 431981                                   |
| 11                         |                  |                             |                   |                             |                             |                                          |
| 12                         |                  |                             |                   |                             |                             |                                          |
| 13                         |                  |                             |                   |                             |                             |                                          |
| 14                         |                  |                             |                   |                             |                             |                                          |
| 15                         |                  |                             |                   |                             |                             |                                          |
| 16                         |                  |                             |                   |                             |                             |                                          |
| 17                         |                  |                             |                   |                             |                             |                                          |
| 18                         |                  |                             |                   |                             |                             |                                          |
| 19                         |                  |                             |                   |                             |                             |                                          |
| 20                         |                  |                             |                   |                             |                             |                                          |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 21                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5325                 |                                   |                                   | 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                   | 71.7                              | 9                    | 1048                              | -                                 | 601937                                         |
| 2                          | 1                   | 60.8                              | 9                    | -                                 | -                                 | 844793                                         |
| 3                          | 1                   | 61.9                              | 9                    | -                                 | -                                 | 88619                                          |
| 4                          | 2                   | 72.5                              | 9                    | 1343                              | -                                 | 330525                                         |
| 5                          | 1                   | 52.4                              | 9                    | -                                 | -                                 | 572962                                         |
| 6                          | 3                   | 86.1                              | 9                    | 1465                              | 1894                              | 812048                                         |
| 7                          | 2                   | 81.7                              | 9                    | 1183                              | -                                 | 58766                                          |
| 8                          | 2                   | 70.1                              | 9                    | 1616                              | -                                 | 300640                                         |
| 9                          | 2                   | 79.5                              | 9                    | 1873                              | -                                 | 542023                                         |
| 10                         | 3                   | 86.9                              | 9                    | 1870                              | 1498                              | 782664                                         |
| 11                         | 1                   | 50.5                              | 9                    | -                                 | -                                 | 28968                                          |
| 12                         | 2                   | 75.3                              | 9                    | 1549                              | -                                 | 270669                                         |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 22                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 11                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5325                 |                                   |                                   | 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                              | 8                    | 1369                              | -                                 | 559346                                         |
| 2                          | 3                   | 99.2                              | 8                    | 1735                              | 1598                              | 821769                                         |
| 3                          | 2                   | 76.4                              | 8                    | 1788                              | -                                 | 1086844                                        |
| 4                          | 1                   | 65.7                              | 8                    | -                                 | -                                 | 263228                                         |
| 5                          | 3                   | 95.6                              | 8                    | 1732                              | 1220                              | 526275                                         |
| 6                          | 1                   | 63.6                              | 8                    | -                                 | -                                 | 791966                                         |
| 7                          | 2                   | 67.1                              | 8                    | 1466                              | -                                 | 1054720                                        |
| 8                          | 1                   | 50.3                              | 8                    | -                                 | -                                 | 230825                                         |
| 9                          | 2                   | 67.5                              | 8                    | 1640                              | -                                 | 494274                                         |
| 10                         | 1                   | 52.8                              | 8                    | -                                 | -                                 | 758880                                         |
| 11                         | 3                   | 98.6                              | 8                    | 1736                              | 1708                              | 1020451                                        |
| 12                         |                     |                                   |                      |                                   |                                   |                                                |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |



**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 23                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 15                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5323                 |                                   |                                   | 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                                | 13                   | -                                 | -                                 | 145239                                         |
| 2                          | 1                   | 60.7                              | 13                   | -                                 | -                                 | 338961                                         |
| 3                          | 1                   | 63.1                              | 13                   | -                                 | -                                 | 532883                                         |
| 4                          | 3                   | 84.2                              | 13                   | 1767                              | 1625                              | 723373                                         |
| 5                          | 3                   | 91.7                              | 13                   | 1903                              | 1512                              | 120862                                         |
| 6                          | 1                   | 58.9                              | 13                   | -                                 | -                                 | 315167                                         |
| 7                          | 3                   | 96.6                              | 13                   | 1181                              | 1257                              | 506937                                         |
| 8                          | 1                   | 63.6                              | 13                   | -                                 | -                                 | 702000                                         |
| 9                          | 3                   | 88.9                              | 13                   | 1043                              | 1554                              | 97303                                          |
| 10                         | 3                   | 88.1                              | 13                   | 1292                              | 1637                              | 290234                                         |
| 11                         | 1                   | 56                                | 13                   | -                                 | -                                 | 485158                                         |
| 12                         | 1                   | 55.3                              | 13                   | -                                 | -                                 | 678553                                         |
| 13                         | 1                   | 59.7                              | 13                   | -                                 | -                                 | 73673                                          |
| 14                         | 1                   | 56                                | 13                   | -                                 | -                                 | 267490                                         |
| 15                         | 2                   | 73                                | 13                   | 1857                              | -                                 | 459783                                         |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 24                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 17                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5322                 |                                   |                                   | 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                                | 16                   | 1155                              | 1652                              | 575192                                         |
| 2                          | 3                   | 85.5                              | 16                   | 1357                              | 1644                              | 43769                                          |
| 3                          | 1                   | 52.6                              | 16                   | -                                 | -                                 | 214766                                         |
| 4                          | 3                   | 95.3                              | 16                   | 1519                              | 1223                              | 384363                                         |
| 5                          | 3                   | 91.8                              | 16                   | 1035                              | 1121                              | 554720                                         |
| 6                          | 1                   | 65.4                              | 16                   | -                                 | -                                 | 22944                                          |
| 7                          | 1                   | 66.1                              | 16                   | -                                 | -                                 | 193636                                         |
| 8                          | 3                   | 99.5                              | 16                   | 1432                              | 1565                              | 363290                                         |
| 9                          | 1                   | 52.6                              | 16                   | -                                 | -                                 | 535430                                         |
| 10                         | 3                   | 92.7                              | 16                   | 1908                              | 1696                              | 1885                                           |
| 11                         | 1                   | 66.6                              | 16                   | -                                 | -                                 | 172838                                         |
| 12                         | 3                   | 87.6                              | 16                   | 1034                              | 1204                              | 342340                                         |
| 13                         | 3                   | 89.1                              | 16                   | 1777                              | 1298                              | 512153                                         |
| 14                         | 2                   | 66.9                              | 16                   | 1762                              | -                                 | 683938                                         |
| 15                         | 1                   | 50.3                              | 16                   | -                                 | -                                 | 151613                                         |
| 16                         | 1                   | 62.7                              | 16                   | -                                 | -                                 | 322567                                         |
| 17                         | 2                   | 68.4                              | 16                   | 1364                              | -                                 | 492534                                         |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

| Trial Number:              |                  |                             | 25                |                             |                             | Detection<br>(Yes/No)                    |
|----------------------------|------------------|-----------------------------|-------------------|-----------------------------|-----------------------------|------------------------------------------|
| Number of Bursts in Trial: |                  |                             | 20                |                             |                             |                                          |
| Chirp Center Frequency:    |                  |                             | 5320              |                             |                             | Yes                                      |
| 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                | 68.9                        | 20                | 1662                        | -                           | 562530                                   |
| 2                          | 1                | 62.2                        | 20                | -                           | -                           | 110964                                   |
| 3                          | 1                | 59.8                        | 20                | -                           | -                           | 255994                                   |
| 4                          | 1                | 61.7                        | 20                | -                           | -                           | 401028                                   |
| 5                          | 3                | 89.4                        | 20                | 1609                        | 1090                        | 544264                                   |
| 6                          | 1                | 51.9                        | 20                | -                           | -                           | 93051                                    |
| 7                          | 3                | 90                          | 20                | 1110                        | 1460                        | 237141                                   |
| 8                          | 1                | 61.1                        | 20                | -                           | -                           | 383412                                   |
| 9                          | 2                | 83                          | 20                | 1341                        | -                           | 527671                                   |
| 10                         | 2                | 73.2                        | 20                | 1275                        | -                           | 75075                                    |
| 11                         | 1                | 61.7                        | 20                | -                           | -                           | 220578                                   |
| 12                         | 3                | 87.2                        | 20                | 1234                        | 1188                        | 363958                                   |
| 13                         | 1                | 62.6                        | 20                | -                           | -                           | 510439                                   |
| 14                         | 3                | 93.8                        | 20                | 1855                        | 1712                        | 56981                                    |
| 15                         | 1                | 66.6                        | 20                | -                           | -                           | 202494                                   |
| 16                         | 1                | 59.7                        | 20                | -                           | -                           | 347833                                   |
| 17                         | 2                | 72.6                        | 20                | 1289                        | -                           | 491773                                   |
| 18                         | 2                | 76.6                        | 20                | 1778                        | -                           | 39336                                    |
| 19                         | 2                | 81.7                        | 20                | 1002                        | -                           | 184292                                   |
| 20                         | 3                | 97.7                        | 20                | 1785                        | 1237                        | 328364                                   |

| Trial Number:              |                  |                             | 26                |                             |                             | Detection<br>(Yes/No)                    |
|----------------------------|------------------|-----------------------------|-------------------|-----------------------------|-----------------------------|------------------------------------------|
| Number of Bursts in Trial: |                  |                             | 19                |                             |                             |                                          |
| Chirp Center Frequency:    |                  |                             | 5321              |                             |                             | Yes                                      |
| 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                | 72.2                        | 19                | 1702                        | -                           | 498396                                   |
| 2                          | 1                | 61.1                        | 19                | -                           | -                           | 22753                                    |
| 3                          | 2                | 83.2                        | 19                | 1335                        | -                           | 175174                                   |
| 4                          | 3                | 86                          | 19                | 1629                        | 1819                        | 326812                                   |
| 5                          | 1                | 61.2                        | 19                | -                           | -                           | 481287                                   |
| 6                          | 1                | 60.5                        | 19                | -                           | -                           | 3921                                     |
| 7                          | 3                | 91.5                        | 19                | 1645                        | 1418                        | 156098                                   |
| 8                          | 2                | 75.1                        | 19                | 1420                        | -                           | 308873                                   |
| 9                          | 2                | 71.4                        | 19                | 1173                        | -                           | 461189                                   |
| 10                         | 1                | 57.5                        | 19                | -                           | -                           | 615463                                   |
| 11                         | 3                | 96.8                        | 19                | 1446                        | 1861                        | 137160                                   |
| 12                         | 3                | 88.5                        | 19                | 1283                        | 1985                        | 289350                                   |
| 13                         | 2                | 75.3                        | 19                | 1207                        | -                           | 442472                                   |
| 14                         | 3                | 87.7                        | 19                | 1085                        | 1063                        | 594699                                   |
| 15                         | 3                | 86.5                        | 19                | 1016                        | 1792                        | 118643                                   |
| 16                         | 3                | 97.6                        | 19                | 1444                        | 1482                        | 270750                                   |
| 17                         | 3                | 96.2                        | 19                | 1319                        | 1659                        | 423006                                   |
| 18                         | 1                | 61.2                        | 19                | -                           | -                           | 577729                                   |
| 19                         | 3                | 97.7                        | 19                | 1605                        | 1866                        | 99671                                    |
| 20                         |                  |                             |                   |                             |                             |                                          |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

| Trial Number:              |                  |                                | 27                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 14                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5323                 |                                   |                                   | 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                | 83.5                           | 13                   | 1017                              | 1840                              | 342355                                         |
| 2                          | 1                | 62.7                           | 13                   | -                                 | -                                 | 550959                                         |
| 3                          | 3                | 84.1                           | 13                   | 1232                              | 1480                              | 756733                                         |
| 4                          | 1                | 58.8                           | 13                   | -                                 | -                                 | 110633                                         |
| 5                          | 3                | 92.2                           | 13                   | 1798                              | 1996                              | 316538                                         |
| 6                          | 1                | 54.3                           | 13                   | -                                 | -                                 | 525502                                         |
| 7                          | 1                | 62.3                           | 13                   | -                                 | -                                 | 733291                                         |
| 8                          | 3                | 90.1                           | 13                   | 1296                              | 1529                              | 84767                                          |
| 9                          | 3                | 98.9                           | 13                   | 1979                              | 1459                              | 291214                                         |
| 10                         | 3                | 100                            | 13                   | 1691                              | 1362                              | 498505                                         |
| 11                         | 2                | 77.8                           | 13                   | 1863                              | -                                 | 705794                                         |
| 12                         | 1                | 66.5                           | 13                   | -                                 | -                                 | 59467                                          |
| 13                         | 3                | 90.3                           | 13                   | 1752                              | 1445                              | 265880                                         |
| 14                         | 2                | 68.7                           | 13                   | 1422                              | -                                 | 473989                                         |
| 15                         |                  |                                |                      |                                   |                                   |                                                |
| 16                         |                  |                                |                      |                                   |                                   |                                                |
| 17                         |                  |                                |                      |                                   |                                   |                                                |
| 18                         |                  |                                |                      |                                   |                                   |                                                |
| 19                         |                  |                                |                      |                                   |                                   |                                                |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

| Trial Number:              |                  |                                | 28                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5324                 |                                   |                                   | 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                | 65.1                           | 10                   | -                                 | -                                 | 796284                                         |
| 2                          | 3                | 96.2                           | 10                   | 1733                              | 1077                              | 39461                                          |
| 3                          | 1                | 57.7                           | 10                   | -                                 | -                                 | 281806                                         |
| 4                          | 2                | 79.1                           | 10                   | 1671                              | -                                 | 523240                                         |
| 5                          | 2                | 73.9                           | 10                   | 1854                              | -                                 | 764529                                         |
| 6                          | 1                | 50.5                           | 10                   | -                                 | -                                 | 9750                                           |
| 7                          | 2                | 78.8                           | 10                   | 1716                              | -                                 | 251463                                         |
| 8                          | 1                | 60.4                           | 10                   | -                                 | -                                 | 493932                                         |
| 9                          | 1                | 64.9                           | 10                   | -                                 | -                                 | 735940                                         |
| 10                         | 3                | 89.8                           | 10                   | 1013                              | 1117                              | 976604                                         |
| 11                         | 2                | 75.5                           | 10                   | 1665                              | -                                 | 221767                                         |
| 12                         | 2                | 76.4                           | 10                   | 1557                              | -                                 | 463546                                         |
| 13                         |                  |                                |                      |                                   |                                   |                                                |
| 14                         |                  |                                |                      |                                   |                                   |                                                |
| 15                         |                  |                                |                      |                                   |                                   |                                                |
| 16                         |                  |                                |                      |                                   |                                   |                                                |
| 17                         |                  |                                |                      |                                   |                                   |                                                |
| 18                         |                  |                                |                      |                                   |                                   |                                                |
| 19                         |                  |                                |                      |                                   |                                   |                                                |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

| Trial Number:              |                     |                                   | 29                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 14                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5323                 |                                   |                                   | 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                   | 73.3                              | 13                   | 1407                              | -                                 | 604353                                         |
| 2                          | 1                   | 61.8                              | 13                   | -                                 | -                                 | 812654                                         |
| 3                          | 2                   | 75                                | 13                   | 1720                              | -                                 | 164406                                         |
| 4                          | 1                   | 57.3                              | 13                   | -                                 | -                                 | 372250                                         |
| 5                          | 2                   | 69.1                              | 13                   | 1710                              | -                                 | 578377                                         |
| 6                          | 1                   | 63.5                              | 13                   | -                                 | -                                 | 787415                                         |
| 7                          | 1                   | 61.3                              | 13                   | -                                 | -                                 | 139107                                         |
| 8                          | 2                   | 78.9                              | 13                   | 1247                              | -                                 | 346071                                         |
| 9                          | 3                   | 98.2                              | 13                   | 1398                              | 1957                              | 552004                                         |
| 10                         | 3                   | 85                                | 13                   | 1683                              | 1133                              | 759395                                         |
| 11                         | 3                   | 88.1                              | 13                   | 1773                              | 1507                              | 113173                                         |
| 12                         | 1                   | 52.2                              | 13                   | -                                 | -                                 | 320989                                         |
| 13                         | 3                   | 91                                | 13                   | 1267                              | 1033                              | 527219                                         |
| 14                         | 2                   | 81.6                              | 13                   | 1229                              | -                                 | 735334                                         |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 30                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 13                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5323                 |                                   |                                   | 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                                | 12                   | 1288                              | 1412                              | 94583                                          |
| 2                          | 2                   | 70.5                              | 12                   | 1342                              | -                                 | 317798                                         |
| 3                          | 3                   | 92.7                              | 12                   | 1521                              | 1254                              | 540393                                         |
| 4                          | 2                   | 75.1                              | 12                   | 1610                              | -                                 | 764398                                         |
| 5                          | 3                   | 93.6                              | 12                   | 1347                              | 1481                              | 67105                                          |
| 6                          | 3                   | 91.1                              | 12                   | 1104                              | 1879                              | 289762                                         |
| 7                          | 1                   | 56.5                              | 12                   | -                                 | -                                 | 514527                                         |
| 8                          | 2                   | 69.7                              | 12                   | 1150                              | -                                 | 736933                                         |
| 9                          | 1                   | 60.2                              | 12                   | -                                 | -                                 | 39805                                          |
| 10                         | 3                   | 91.5                              | 12                   | 1856                              | 1135                              | 262559                                         |
| 11                         | 2                   | 78.7                              | 12                   | 1881                              | -                                 | 485999                                         |
| 12                         | 2                   | 68.4                              | 12                   | 1218                              | -                                 | 709651                                         |
| 13                         | 2                   | 72.2                              | 12                   | 1576                              | -                                 | 12238                                          |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**Channel 60 Bandwidth 20MHz**

**DFS Radar Parameters**  
**FCC Radar Type 1**  
**Channel 60 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       | 9                                                 | 1474.93                                              | 678                                            | Yes                     |
| 2       | 15                                                | 1253.13                                              | 798                                            | Yes                     |
| 3       | 11                                                | 1392.76                                              | 718                                            | Yes                     |
| 4       | 5                                                 | 1672.24                                              | 598                                            | Yes                     |
| 5       | 3                                                 | 1792.11                                              | 558                                            | Yes                     |
| 6       | 12                                                | 1355.01                                              | 738                                            | Yes                     |
| 7       | 14                                                | 1285.35                                              | 778                                            | Yes                     |
| 8       | 22                                                | 1066.10                                              | 938                                            | Yes                     |
| 9       | 19                                                | 1138.95                                              | 878                                            | Yes                     |
| 10      | 21                                                | 1089.32                                              | 918                                            | Yes                     |
| 11      | 13                                                | 1319.26                                              | 758                                            | Yes                     |
| 12      | 10                                                | 1432.66                                              | 698                                            | Yes                     |
| 13      | 12                                                | 326.16                                               | 3066                                           | Yes                     |
| 14      | 4                                                 | 1730.10                                              | 578                                            | Yes                     |
| 15      | 8                                                 | 1519.76                                              | 658                                            | Yes                     |
| 16      |                                                   | 985.22                                               | 1015                                           | Yes                     |
| 17      |                                                   | 520.02                                               | 1923                                           | Yes                     |
| 18      |                                                   | 362.98                                               | 2755                                           | Yes                     |
| 19      |                                                   | 415.80                                               | 2405                                           | Yes                     |
| 20      |                                                   | 399.04                                               | 2506                                           | Yes                     |
| 21      |                                                   | 882.61                                               | 1133                                           | Yes                     |
| 22      |                                                   | 1184.83                                              | 844                                            | Yes                     |
| 23      |                                                   | 358.68                                               | 2788                                           | Yes                     |
| 24      |                                                   | 431.22                                               | 2319                                           | Yes                     |
| 25      |                                                   | 1182.03                                              | 846                                            | Yes                     |
| 26      |                                                   | 469.04                                               | 2132                                           | Yes                     |
| 27      |                                                   | 798.72                                               | 1252                                           | Yes                     |
| 28      |                                                   | 526.59                                               | 1899                                           | Yes                     |
| 29      |                                                   | 914.91                                               | 1093                                           | Yes                     |
| 30      |                                                   | 1795.33                                              | 557                                            | Yes                     |

**DFS Radar Parameters**  
**FCC Radar Type 2**  
**Channel 60 Bandwidth 20MHz**

| Trial # | Number Pulses per Burst | Pulse Width<br>(Microseconds) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|-------------------------|-------------------------------|------------------------------------------------|-------------------------|
| 1       | 27                      | 3.70                          | 225                                            | Yes                     |
| 2       | 24                      | 1.90                          | 153                                            | Yes                     |
| 3       | 25                      | 2.20                          | 213                                            | Yes                     |
| 4       | 27                      | 3.90                          | 196                                            | Yes                     |
| 5       | 29                      | 4.60                          | 223                                            | Yes                     |
| 6       | 27                      | 3.30                          | 210                                            | Yes                     |
| 7       | 25                      | 2.20                          | 172                                            | Yes                     |
| 8       | 26                      | 3.30                          | 162                                            | Yes                     |
| 9       | 25                      | 2.50                          | 197                                            | Yes                     |
| 10      | 29                      | 4.50                          | 205                                            | Yes                     |
| 11      | 29                      | 4.90                          | 150                                            | Yes                     |
| 12      | 25                      | 2.70                          | 167                                            | Yes                     |
| 13      | 26                      | 2.90                          | 163                                            | Yes                     |
| 14      | 29                      | 4.90                          | 216                                            | Yes                     |
| 15      | 24                      | 1.60                          | 173                                            | Yes                     |
| 16      | 29                      | 4.90                          | 164                                            | Yes                     |
| 17      | 28                      | 4.30                          | 177                                            | Yes                     |
| 18      | 29                      | 4.70                          | 171                                            | Yes                     |
| 19      | 27                      | 3.80                          | 229                                            | Yes                     |
| 20      | 24                      | 1.70                          | 181                                            | Yes                     |
| 21      | 25                      | 2.20                          | 224                                            | Yes                     |
| 22      | 24                      | 1.90                          | 188                                            | Yes                     |
| 23      | 26                      | 3.20                          | 152                                            | Yes                     |
| 24      | 27                      | 3.80                          | 226                                            | Yes                     |
| 25      | 29                      | 4.90                          | 190                                            | Yes                     |
| 26      | 29                      | 4.60                          | 195                                            | Yes                     |
| 27      | 26                      | 3.20                          | 227                                            | Yes                     |
| 28      | 25                      | 2.40                          | 156                                            | Yes                     |
| 29      | 26                      | 3.00                          | 160                                            | Yes                     |
| 30      | 26                      | 2.80                          | 187                                            | Yes                     |

**DFS Radar Parameters**  
**FCC Radar Type 3**  
**Channel 60 Bandwidth 20MHz**

| Trial # | Number Pulses per Burst | Pulse Width<br>(Microseconds) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|-------------------------|-------------------------------|------------------------------------------------|-------------------------|
| 1       | 17                      | 8.70                          | 324                                            | Yes                     |
| 2       | 16                      | 6.90                          | 450                                            | Yes                     |
| 3       | 16                      | 7.20                          | 440                                            | Yes                     |
| 4       | 18                      | 8.90                          | 319                                            | Yes                     |
| 5       | 18                      | 9.60                          | 385                                            | Yes                     |
| 6       | 17                      | 8.30                          | 437                                            | Yes                     |
| 7       | 16                      | 7.20                          | 337                                            | Yes                     |
| 8       | 17                      | 8.30                          | 296                                            | Yes                     |
| 9       | 17                      | 7.50                          | 220                                            | Yes                     |
| 10      | 18                      | 9.50                          | 438                                            | Yes                     |
| 11      | 18                      | 9.90                          | 397                                            | Yes                     |
| 12      | 17                      | 7.70                          | 381                                            | Yes                     |
| 13      | 17                      | 7.90                          | 407                                            | Yes                     |
| 14      | 18                      | 9.90                          | 331                                            | Yes                     |
| 15      | 16                      | 6.60                          | 488                                            | Yes                     |
| 16      | 18                      | 9.90                          | 469                                            | Yes                     |
| 17      | 18                      | 9.30                          | 339                                            | Yes                     |
| 18      | 18                      | 9.70                          | 467                                            | Yes                     |
| 19      | 18                      | 8.80                          | 206                                            | Yes                     |
| 20      | 16                      | 6.70                          | 389                                            | Yes                     |
| 21      | 16                      | 7.20                          | 362                                            | Yes                     |
| 22      | 16                      | 6.90                          | 244                                            | Yes                     |
| 23      | 17                      | 8.20                          | 288                                            | Yes                     |
| 24      | 18                      | 8.80                          | 250                                            | Yes                     |
| 25      | 18                      | 9.90                          | 391                                            | Yes                     |
| 26      | 18                      | 9.60                          | 204                                            | Yes                     |
| 27      | 17                      | 8.20                          | 297                                            | Yes                     |
| 28      | 17                      | 7.40                          | 489                                            | Yes                     |
| 29      | 17                      | 8.00                          | 429                                            | Yes                     |
| 30      | 17                      | 7.80                          | 359                                            | Yes                     |



**DFS Radar Parameters**  
**FCC Radar Type 4**  
**Channel 60 Bandwidth 20MHz**

| Trial # | Number Pulses per Burst | Pulse Width<br>(Microseconds) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|-------------------------|-------------------------------|------------------------------------------------|-------------------------|
| 1       | 15                      | 17.00                         | 324                                            | Yes                     |
| 2       | 13                      | 13.10                         | 450                                            | Yes                     |
| 3       | 13                      | 13.60                         | 440                                            | Yes                     |
| 4       | 15                      | 17.40                         | 319                                            | Yes                     |
| 5       | 16                      | 19.10                         | 385                                            | Yes                     |
| 6       | 14                      | 16.20                         | 437                                            | Yes                     |
| 7       | 13                      | 13.80                         | 337                                            | Yes                     |
| 8       | 14                      | 16.10                         | 296                                            | Yes                     |
| 9       | 13                      | 14.30                         | 220                                            | Yes                     |
| 10      | 16                      | 18.80                         | 438                                            | Yes                     |
| 11      | 16                      | 19.60                         | 397                                            | Yes                     |
| 12      | 14                      | 14.80                         | 381                                            | Yes                     |
| 13      | 14                      | 15.30                         | 407                                            | Yes                     |
| 14      | 16                      | 19.70                         | 331                                            | Yes                     |
| 15      | 12                      | 12.40                         | 488                                            | Yes                     |
| 16      | 16                      | 19.70                         | 469                                            | Yes                     |
| 17      | 16                      | 18.40                         | 339                                            | Yes                     |
| 18      | 16                      | 19.30                         | 467                                            | Yes                     |
| 19      | 15                      | 17.40                         | 206                                            | Yes                     |
| 20      | 12                      | 12.70                         | 389                                            | Yes                     |
| 21      | 13                      | 13.80                         | 362                                            | Yes                     |
| 22      | 13                      | 13.20                         | 244                                            | Yes                     |
| 23      | 14                      | 15.90                         | 288                                            | Yes                     |
| 24      | 15                      | 17.30                         | 250                                            | Yes                     |
| 25      | 16                      | 19.80                         | 391                                            | Yes                     |
| 26      | 16                      | 19.00                         | 204                                            | Yes                     |
| 27      | 14                      | 15.80                         | 297                                            | Yes                     |
| 28      | 13                      | 14.10                         | 489                                            | Yes                     |
| 29      | 14                      | 15.50                         | 429                                            | Yes                     |
| 30      | 14                      | 15.10                         | 359                                            | Yes                     |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 1                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 16                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5300                 |                                   |                                   |                                                |
| 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                   | 83.1                              | 15                   | 1360                              | -                                 | 675545                                         |
| 2                          | 1                   | 61.7                              | 15                   | -                                 | -                                 | 109752                                         |
| 3                          | 1                   | 64.7                              | 15                   | -                                 | -                                 | 291406                                         |
| 4                          | 3                   | 85.6                              | 15                   | 1315                              | 1457                              | 470740                                         |
| 5                          | 3                   | 94.8                              | 15                   | 1738                              | 1770                              | 651561                                         |
| 6                          | 2                   | 78.7                              | 15                   | 1177                              | -                                 | 87186                                          |
| 7                          | 1                   | 65.6                              | 15                   | -                                 | -                                 | 268901                                         |
| 8                          | 2                   | 78.2                              | 15                   | 1060                              | -                                 | 449949                                         |
| 9                          | 2                   | 68.6                              | 15                   | 1839                              | -                                 | 630766                                         |
| 10                         | 3                   | 93.1                              | 15                   | 1546                              | 1243                              | 64714                                          |
| 11                         | 3                   | 97.8                              | 15                   | 1672                              | 1400                              | 245570                                         |
| 12                         | 2                   | 71.1                              | 15                   | 1206                              | -                                 | 427168                                         |
| 13                         | 2                   | 73.8                              | 15                   | 1801                              | -                                 | 608206                                         |
| 14                         | 3                   | 98                                | 15                   | 1027                              | 1317                              | 42516                                          |
| 15                         | 1                   | 58.1                              | 15                   | -                                 | -                                 | 224255                                         |
| 16                         | 3                   | 98.1                              | 15                   | 1103                              | 1628                              | 403959                                         |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 2                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 11                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5300                 |                                   |                                   | 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                   | 91.1                              | 8                    | 1260                              | 1726                              | 852229                                         |
| 2                          | 3                   | 95.8                              | 8                    | 1256                              | 1835                              | 29410                                          |
| 3                          | 3                   | 85.3                              | 8                    | 1547                              | 1982                              | 292698                                         |
| 4                          | 1                   | 59.6                              | 8                    | -                                 | -                                 | 558061                                         |
| 5                          | 1                   | 65.4                              | 8                    | -                                 | -                                 | 822233                                         |
| 6                          | 1                   | 62.1                              | 8                    | -                                 | -                                 | 1085995                                        |
| 7                          | 2                   | 77.5                              | 8                    | 1834                              | -                                 | 260707                                         |
| 8                          | 3                   | 84.9                              | 8                    | 1887                              | 1008                              | 523807                                         |
| 9                          | 3                   | 98.6                              | 8                    | 1535                              | 1367                              | 787699                                         |
| 10                         | 3                   | 94.3                              | 8                    | 1943                              | 1487                              | 1050896                                        |
| 11                         | 2                   | 76.9                              | 8                    | 1922                              | -                                 | 228160                                         |
| 12                         |                     |                                   |                      |                                   |                                   |                                                |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 3                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 11                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5300                 |                                   |                                   | 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                   | 67.3                              | 9                    | 1127                              | -                                 | 492134                                         |
| 2                          | 2                   | 75.2                              | 9                    | 1453                              | -                                 | 755714                                         |
| 3                          | 2                   | 72.5                              | 9                    | 1213                              | -                                 | 1020123                                        |
| 4                          | 1                   | 52.9                              | 9                    | -                                 | -                                 | 196053                                         |
| 5                          | 3                   | 94.2                              | 9                    | 1803                              | 1113                              | 459017                                         |
| 6                          | 1                   | 55.5                              | 9                    | -                                 | -                                 | 724495                                         |
| 7                          | 3                   | 84.3                              | 9                    | 1663                              | 1316                              | 986204                                         |
| 8                          | 1                   | 59.8                              | 9                    | -                                 | -                                 | 163484                                         |
| 9                          | 2                   | 81.3                              | 9                    | 1468                              | -                                 | 426988                                         |
| 10                         | 3                   | 85.6                              | 9                    | 1093                              | 1969                              | 689946                                         |
| 11                         | 1                   | 62.9                              | 9                    | -                                 | -                                 | 956476                                         |
| 12                         |                     |                                   |                      |                                   |                                   |                                                |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

|                            |                  |                                |                      |                                   |                                   |                                                |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Trial Number:              |                  |                                | 4                    |                                   |                                   | Detection<br>(Yes/No)                          |
| Number of Bursts in Trial: |                  |                                | 17                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5300                 |                                   |                                   | 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                | 69.8                           | 16                   | 1962                              | -                                 | 84444                                          |
| 2                          | 1                | 55.7                           | 16                   | -                                 | -                                 | 255455                                         |
| 3                          | 3                | 89.6                           | 16                   | 1233                              | 1492                              | 424433                                         |
| 4                          | 3                | 87.4                           | 16                   | 1336                              | 1580                              | 594670                                         |
| 5                          | 1                | 58.4                           | 16                   | -                                 | -                                 | 63613                                          |
| 6                          | 2                | 82                             | 16                   | 1978                              | -                                 | 233727                                         |
| 7                          | 1                | 52.3                           | 16                   | -                                 | -                                 | 405364                                         |
| 8                          | 1                | 65                             | 16                   | -                                 | -                                 | 576336                                         |
| 9                          | 3                | 96.3                           | 16                   | 1414                              | 1308                              | 42408                                          |
| 10                         | 3                | 94.6                           | 16                   | 1501                              | 1125                              | 212557                                         |
| 11                         | 1                | 60.5                           | 16                   | -                                 | -                                 | 384368                                         |
| 12                         | 1                | 62.3                           | 16                   | -                                 | -                                 | 555302                                         |
| 13                         | 3                | 89.3                           | 16                   | 1019                              | 1394                              | 21496                                          |
| 14                         | 3                | 94.3                           | 16                   | 1227                              | 1569                              | 191508                                         |
| 15                         | 2                | 82                             | 16                   | 1796                              | -                                 | 362099                                         |
| 16                         | 1                | 58.5                           | 16                   | -                                 | -                                 | 533848                                         |
| 17                         | 2                | 77.4                           | 16                   | 1037                              | -                                 | 514                                            |
| 18                         |                  |                                |                      |                                   |                                   |                                                |
| 19                         |                  |                                |                      |                                   |                                   |                                                |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 5                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 19                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5300                 |                                   |                                   | 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                   | 71                                | 19                   | 1570                              | -                                 | 152778                                         |
| 2                          | 3                   | 84.3                              | 19                   | 1952                              | 1956                              | 304130                                         |
| 3                          | 2                   | 79.9                              | 19                   | 1991                              | -                                 | 457279                                         |
| 4                          | 3                   | 87                                | 19                   | 1451                              | 1330                              | 609344                                         |
| 5                          | 1                   | 50.4                              | 19                   | -                                 | -                                 | 134532                                         |
| 6                          | 1                   | 51.8                              | 19                   | -                                 | -                                 | 287125                                         |
| 7                          | 3                   | 98.3                              | 19                   | 1314                              | 1040                              | 438716                                         |
| 8                          | 1                   | 52.9                              | 19                   | -                                 | -                                 | 592717                                         |
| 9                          | 3                   | 96.2                              | 19                   | 1703                              | 1380                              | 115067                                         |
| 10                         | 3                   | 90.2                              | 19                   | 1165                              | 1488                              | 267324                                         |
| 11                         | 1                   | 53.6                              | 19                   | -                                 | -                                 | 421185                                         |
| 12                         | 1                   | 65.6                              | 19                   | -                                 | -                                 | 574050                                         |
| 13                         | 3                   | 89.5                              | 19                   | 1182                              | 1631                              | 96313                                          |
| 14                         | 3                   | 88.2                              | 19                   | 1186                              | 1442                              | 248508                                         |
| 15                         | 2                   | 76.9                              | 19                   | 1151                              | -                                 | 401545                                         |
| 16                         | 1                   | 62.5                              | 19                   | -                                 | -                                 | 555202                                         |
| 17                         | 2                   | 78.1                              | 19                   | 1388                              | -                                 | 77845                                          |
| 18                         | 2                   | 75.9                              | 19                   | 1088                              | -                                 | 230433                                         |
| 19                         | 2                   | 79.6                              | 19                   | 1129                              | -                                 | 382827                                         |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                  |                                | 6                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 15                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5300                 |                                   |                                   | 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                | 70.1                           | 14                   | 1832                              | -                                 | 678507                                         |
| 2                          | 2                | 78.1                           | 14                   | 1225                              | -                                 | 74833                                          |
| 3                          | 1                | 53.6                           | 14                   | -                                 | -                                 | 268746                                         |
| 4                          | 3                | 95.5                           | 14                   | 1271                              | 1443                              | 460688                                         |
| 5                          | 2                | 82.6                           | 14                   | 1038                              | -                                 | 655183                                         |
| 6                          | 3                | 83.6                           | 14                   | 1504                              | 1638                              | 50903                                          |
| 7                          | 3                | 98.1                           | 14                   | 1527                              | 1269                              | 243797                                         |
| 8                          | 2                | 82.4                           | 14                   | 1656                              | -                                 | 437433                                         |
| 9                          | 1                | 56.7                           | 14                   | -                                 | -                                 | 631754                                         |
| 10                         | 1                | 62.9                           | 14                   | -                                 | -                                 | 27267                                          |
| 11                         | 2                | 83.3                           | 14                   | 1472                              | -                                 | 220485                                         |
| 12                         | 1                | 58.7                           | 14                   | -                                 | -                                 | 414448                                         |
| 13                         | 1                | 62.1                           | 14                   | -                                 | -                                 | 608571                                         |
| 14                         | 3                | 97.1                           | 14                   | 1372                              | 1329                              | 3397                                           |
| 15                         | 1                | 56.8                           | 14                   | -                                 | -                                 | 196979                                         |
| 16                         |                  |                                |                      |                                   |                                   |                                                |
| 17                         |                  |                                |                      |                                   |                                   |                                                |
| 18                         |                  |                                |                      |                                   |                                   |                                                |
| 19                         |                  |                                |                      |                                   |                                   |                                                |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 7                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5300                 |                                   |                                   | 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                   | 88.9                              | 9                    | 1552                              | 1352                              | 487004                                         |
| 2                          | 3                   | 97.1                              | 9                    | 1312                              | 1681                              | 728591                                         |
| 3                          | 1                   | 55.7                              | 9                    | -                                 | -                                 | 973024                                         |
| 4                          | 2                   | 76                                | 9                    | 1550                              | -                                 | 216181                                         |
| 5                          | 2                   | 69.4                              | 9                    | 1766                              | -                                 | 458185                                         |
| 6                          | 1                   | 53.8                              | 9                    | -                                 | -                                 | 701190                                         |
| 7                          | 3                   | 91.3                              | 9                    | 1750                              | 1816                              | 939326                                         |
| 8                          | 3                   | 84.4                              | 9                    | 1287                              | 1916                              | 186145                                         |
| 9                          | 1                   | 62.3                              | 9                    | -                                 | -                                 | 429035                                         |
| 10                         | 3                   | 91.9                              | 9                    | 1518                              | 1729                              | 669244                                         |
| 11                         | 3                   | 98.8                              | 9                    | 1935                              | 1054                              | 910936                                         |
| 12                         | 3                   | 99.5                              | 9                    | 1485                              | 1658                              | 156400                                         |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 8                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 15                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5300                 |                                   |                                   | 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                   | 56.7                              | 14                   | -                                 | -                                 | 319180                                         |
| 2                          | 1                   | 56.3                              | 14                   | -                                 | -                                 | 512574                                         |
| 3                          | 3                   | 83.7                              | 14                   | 1148                              | 1405                              | 704505                                         |
| 4                          | 3                   | 99.8                              | 14                   | 1584                              | 1215                              | 101338                                         |
| 5                          | 1                   | 61.1                              | 14                   | -                                 | -                                 | 295279                                         |
| 6                          | 2                   | 68.3                              | 14                   | 1144                              | -                                 | 488258                                         |
| 7                          | 1                   | 52.4                              | 14                   | -                                 | -                                 | 682896                                         |
| 8                          | 3                   | 88.4                              | 14                   | 2000                              | 1695                              | 77414                                          |
| 9                          | 3                   | 99.3                              | 14                   | 1305                              | 1337                              | 270532                                         |
| 10                         | 2                   | 67.3                              | 14                   | 1187                              | -                                 | 464442                                         |
| 11                         | 3                   | 88.8                              | 14                   | 1582                              | 1961                              | 656040                                         |
| 12                         | 3                   | 97.4                              | 14                   | 1245                              | 1973                              | 53700                                          |
| 13                         | 1                   | 53.4                              | 14                   | -                                 | -                                 | 247557                                         |
| 14                         | 1                   | 52.3                              | 14                   | -                                 | -                                 | 441495                                         |
| 15                         | 2                   | 69.5                              | 14                   | 1829                              | -                                 | 633784                                         |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 9                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5300                 |                                   |                                   | 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                   | 91.5                              | 10                   | 1987                              | 1022                              | 37504                                          |
| 2                          | 3                   | 90.1                              | 10                   | 1601                              | 1051                              | 279141                                         |
| 3                          | 1                   | 62.8                              | 10                   | -                                 | -                                 | 522212                                         |
| 4                          | 2                   | 81.4                              | 10                   | 1214                              | -                                 | 762988                                         |
| 5                          | 3                   | 91.5                              | 10                   | 1455                              | 1258                              | 7769                                           |
| 6                          | 2                   | 68.5                              | 10                   | 1020                              | -                                 | 249813                                         |
| 7                          | 2                   | 82.6                              | 10                   | 1353                              | -                                 | 491261                                         |
| 8                          | 3                   | 99.4                              | 10                   | 1674                              | 1003                              | 732414                                         |
| 9                          | 2                   | 79.8                              | 10                   | 1825                              | -                                 | 975048                                         |
| 10                         | 1                   | 56.8                              | 10                   | -                                 | -                                 | 220197                                         |
| 11                         | 1                   | 52.1                              | 10                   | -                                 | -                                 | 462189                                         |
| 12                         | 1                   | 56.5                              | 10                   | -                                 | -                                 | 704224                                         |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 10                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 19                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5300                 |                                   |                                   | 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                   | 75.7                              | 18                   | 1919                              | -                                 | 595601                                         |
| 2                          | 2                   | 78.9                              | 18                   | 1486                              | -                                 | 119864                                         |
| 3                          | 3                   | 93.8                              | 18                   | 1425                              | 1931                              | 271395                                         |
| 4                          | 3                   | 91.4                              | 18                   | 1706                              | 1539                              | 423578                                         |
| 5                          | 1                   | 53.5                              | 18                   | -                                 | -                                 | 578563                                         |
| 6                          | 3                   | 83.8                              | 18                   | 1318                              | 1754                              | 100741                                         |
| 7                          | 3                   | 84.1                              | 18                   | 1874                              | 1744                              | 252568                                         |
| 8                          | 3                   | 91.4                              | 18                   | 1955                              | 1688                              | 404429                                         |
| 9                          | 2                   | 76                                | 18                   | 1162                              | -                                 | 558382                                         |
| 10                         | 2                   | 73.1                              | 18                   | 1209                              | -                                 | 82239                                          |
| 11                         | 1                   | 63.1                              | 18                   | -                                 | -                                 | 235125                                         |
| 12                         | 2                   | 72.1                              | 18                   | 1654                              | -                                 | 386987                                         |
| 13                         | 3                   | 90.4                              | 18                   | 1643                              | 1898                              | 538080                                         |
| 14                         | 1                   | 59.6                              | 18                   | -                                 | -                                 | 63595                                          |
| 15                         | 1                   | 58.7                              | 18                   | -                                 | -                                 | 216433                                         |
| 16                         | 1                   | 57.6                              | 18                   | -                                 | -                                 | 369156                                         |
| 17                         | 2                   | 71.5                              | 18                   | 1588                              | -                                 | 520455                                         |
| 18                         | 1                   | 58.2                              | 18                   | -                                 | -                                 | 44771                                          |
| 19                         | 1                   | 58.4                              | 18                   | -                                 | -                                 | 197662                                         |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 11                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 20                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5298                 |                                   |                                   | 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                   | 72.6                              | 20                   | 1146                              | -                                 | 332110                                         |
| 2                          | 2                   | 67                                | 20                   | 1476                              | -                                 | 476598                                         |
| 3                          | 3                   | 84.3                              | 20                   | 1807                              | 1175                              | 24541                                          |
| 4                          | 3                   | 99.8                              | 20                   | 1786                              | 1427                              | 168837                                         |
| 5                          | 3                   | 94.4                              | 20                   | 1853                              | 1986                              | 313014                                         |
| 6                          | 3                   | 99.5                              | 20                   | 1071                              | 1021                              | 458851                                         |
| 7                          | 1                   | 60.5                              | 20                   | -                                 | -                                 | 6793                                           |
| 8                          | 1                   | 57.2                              | 20                   | -                                 | -                                 | 151870                                         |
| 9                          | 2                   | 81                                | 20                   | 1534                              | -                                 | 296485                                         |
| 10                         | 2                   | 74.2                              | 20                   | 1193                              | -                                 | 441654                                         |
| 11                         | 1                   | 56.9                              | 20                   | -                                 | -                                 | 587651                                         |
| 12                         | 1                   | 53.8                              | 20                   | -                                 | -                                 | 134151                                         |
| 13                         | 3                   | 93                                | 20                   | 1953                              | 1091                              | 277692                                         |
| 14                         | 1                   | 59                                | 20                   | -                                 | -                                 | 424461                                         |
| 15                         | 1                   | 61.8                              | 20                   | -                                 | -                                 | 569492                                         |
| 16                         | 2                   | 76.7                              | 20                   | 1988                              | -                                 | 115877                                         |
| 17                         | 1                   | 59.5                              | 20                   | -                                 | -                                 | 261537                                         |
| 18                         | 1                   | 55.5                              | 20                   | -                                 | -                                 | 406579                                         |
| 19                         | 2                   | 75.9                              | 20                   | 1967                              | -                                 | 549893                                         |
| 20                         | 3                   | 85.3                              | 20                   | 1277                              | 1327                              | 97909                                          |

| Trial Number:              |                     |                                   | 12                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 13                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5295                 |                                   |                                   | 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                   | 63.5                              | 11                   | -                                 | -                                 | 375051                                         |
| 2                          | 2                   | 69.4                              | 11                   | 1827                              | -                                 | 597037                                         |
| 3                          | 1                   | 61                                | 11                   | -                                 | -                                 | 821889                                         |
| 4                          | 3                   | 93.6                              | 11                   | 1517                              | 1036                              | 123482                                         |
| 5                          | 2                   | 68.4                              | 11                   | 1910                              | -                                 | 346733                                         |
| 6                          | 2                   | 76.9                              | 11                   | 1261                              | -                                 | 570266                                         |
| 7                          | 3                   | 90.8                              | 11                   | 1867                              | 1677                              | 791484                                         |
| 8                          | 3                   | 91.1                              | 11                   | 1363                              | 1701                              | 95990                                          |
| 9                          | 2                   | 81.9                              | 11                   | 1344                              | -                                 | 319442                                         |
| 10                         | 1                   | 59.8                              | 11                   | -                                 | -                                 | 543335                                         |
| 11                         | 2                   | 75                                | 11                   | 1895                              | -                                 | 765272                                         |
| 12                         | 2                   | 77.8                              | 11                   | 1112                              | -                                 | 68726                                          |
| 13                         | 2                   | 71.6                              | 11                   | 1447                              | -                                 | 291748                                         |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 13                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 14                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5295                 |                                   |                                   | 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                   | 98.5                              | 12                   | 1387                              | 1917                              | 476992                                         |
| 2                          | 2                   | 79.6                              | 12                   | 1469                              | -                                 | 685541                                         |
| 3                          | 3                   | 89.6                              | 12                   | 1780                              | 1433                              | 38144                                          |
| 4                          | 3                   | 91.5                              | 12                   | 1511                              | 1936                              | 244778                                         |
| 5                          | 2                   | 79.1                              | 12                   | 1607                              | -                                 | 452733                                         |
| 6                          | 3                   | 99.5                              | 12                   | 1172                              | 1238                              | 659333                                         |
| 7                          | 3                   | 91.9                              | 12                   | 1811                              | 1711                              | 12682                                          |
| 8                          | 3                   | 93                                | 12                   | 1682                              | 1755                              | 219489                                         |
| 9                          | 2                   | 76.6                              | 12                   | 1082                              | -                                 | 427266                                         |
| 10                         | 1                   | 53                                | 12                   | -                                 | -                                 | 635612                                         |
| 11                         | 2                   | 67.1                              | 12                   | 1065                              | -                                 | 841872                                         |
| 12                         | 2                   | 69                                | 12                   | 1007                              | -                                 | 194475                                         |
| 13                         | 2                   | 69.2                              | 12                   | 1664                              | -                                 | 401493                                         |
| 14                         | 2                   | 70.1                              | 12                   | 1099                              | -                                 | 608701                                         |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 14                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 20                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5298                 |                                   |                                   | 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                   | 63                                | 20                   | -                                 | -                                 | 571695                                         |
| 2                          | 2                   | 78.5                              | 20                   | 1556                              | -                                 | 117898                                         |
| 3                          | 2                   | 83                                | 20                   | 1689                              | -                                 | 262780                                         |
| 4                          | 3                   | 99.2                              | 20                   | 1416                              | 1105                              | 406942                                         |
| 5                          | 1                   | 52                                | 20                   | -                                 | -                                 | 553383                                         |
| 6                          | 3                   | 95.7                              | 20                   | 1680                              | 1358                              | 99846                                          |
| 7                          | 2                   | 72.9                              | 20                   | 1800                              | -                                 | 244659                                         |
| 8                          | 3                   | 94.9                              | 20                   | 1600                              | 1510                              | 388640                                         |
| 9                          | 1                   | 53.1                              | 20                   | -                                 | -                                 | 536219                                         |
| 10                         | 1                   | 55.9                              | 20                   | -                                 | -                                 | 82591                                          |
| 11                         | 3                   | 90.8                              | 20                   | 1470                              | 1321                              | 226553                                         |
| 12                         | 2                   | 81.4                              | 20                   | 1742                              | -                                 | 371456                                         |
| 13                         | 2                   | 67.4                              | 20                   | 1653                              | -                                 | 516436                                         |
| 14                         | 1                   | 58.7                              | 20                   | -                                 | -                                 | 64629                                          |
| 15                         | 2                   | 69.4                              | 20                   | 1349                              | -                                 | 209314                                         |
| 16                         | 2                   | 75.3                              | 20                   | 1860                              | -                                 | 353880                                         |
| 17                         | 2                   | 71.2                              | 20                   | 1421                              | -                                 | 498732                                         |
| 18                         | 3                   | 99.2                              | 20                   | 1862                              | 1160                              | 46513                                          |
| 19                         | 2                   | 79.2                              | 20                   | 1541                              | -                                 | 191302                                         |
| 20                         | 2                   | 82.3                              | 20                   | 1332                              | -                                 | 336143                                         |



**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

| Trial Number:              |                  |                                | 15                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 10                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5293                 |                                   |                                   | 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                | 94.6                           | 7                    | 1693                              | 1589                              | 962939                                         |
| 2                          | 2                | 79.5                           | 7                    | 1690                              | -                                 | 57795                                          |
| 3                          | 2                | 72.3                           | 7                    | 1537                              | -                                 | 347975                                         |
| 4                          | 3                | 85.3                           | 7                    | 1474                              | 1572                              | 637787                                         |
| 5                          | 2                | 80.5                           | 7                    | 1263                              | -                                 | 929215                                         |
| 6                          | 1                | 56.1                           | 7                    | -                                 | -                                 | 22069                                          |
| 7                          | 3                | 84                             | 7                    | 1837                              | 1753                              | 311682                                         |
| 8                          | 3                | 92.3                           | 7                    | 1310                              | 1889                              | 601962                                         |
| 9                          | 3                | 86.9                           | 7                    | 1639                              | 1751                              | 891541                                         |
| 10                         | 1                | 66.3                           | 7                    | -                                 | -                                 | 1184406                                        |
| 11                         |                  |                                |                      |                                   |                                   |                                                |
| 12                         |                  |                                |                      |                                   |                                   |                                                |
| 13                         |                  |                                |                      |                                   |                                   |                                                |
| 14                         |                  |                                |                      |                                   |                                   |                                                |
| 15                         |                  |                                |                      |                                   |                                   |                                                |
| 16                         |                  |                                |                      |                                   |                                   |                                                |
| 17                         |                  |                                |                      |                                   |                                   |                                                |
| 18                         |                  |                                |                      |                                   |                                   |                                                |
| 19                         |                  |                                |                      |                                   |                                   |                                                |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

| Trial Number:              |                  |                                | 16                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 20                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5298                 |                                   |                                   | 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                | 93.9                           | 20                   | 1618                              | 1158                              | 137557                                         |
| 2                          | 2                | 74.5                           | 20                   | 1130                              | -                                 | 283091                                         |
| 3                          | 3                | 99.2                           | 20                   | 1381                              | 1995                              | 426043                                         |
| 4                          | 1                | 56.7                           | 20                   | -                                 | -                                 | 574145                                         |
| 5                          | 2                | 77.7                           | 20                   | 1821                              | -                                 | 120016                                         |
| 6                          | 1                | 62.5                           | 20                   | -                                 | -                                 | 265418                                         |
| 7                          | 3                | 98.9                           | 20                   | 1923                              | 1326                              | 408634                                         |
| 8                          | 1                | 60.6                           | 20                   | -                                 | -                                 | 556128                                         |
| 9                          | 2                | 73                             | 20                   | 1734                              | -                                 | 102259                                         |
| 10                         | 2                | 82.2                           | 20                   | 1057                              | -                                 | 247131                                         |
| 11                         | 3                | 98.7                           | 20                   | 1236                              | 1138                              | 391500                                         |
| 12                         | 1                | 53.5                           | 20                   | -                                 | -                                 | 537598                                         |
| 13                         | 2                | 76.4                           | 20                   | 1924                              | -                                 | 84391                                          |
| 14                         | 3                | 83.6                           | 20                   | 1878                              | 1143                              | 228545                                         |
| 15                         | 1                | 50.6                           | 20                   | -                                 | -                                 | 374903                                         |
| 16                         | 3                | 97.7                           | 20                   | 1365                              | 1178                              | 517574                                         |
| 17                         | 2                | 82                             | 20                   | 1899                              | -                                 | 66552                                          |
| 18                         | 2                | 83.2                           | 20                   | 1904                              | -                                 | 211375                                         |
| 19                         | 2                | 73.6                           | 20                   | 1449                              | -                                 | 356518                                         |
| 20                         | 1                | 51.2                           | 20                   | -                                 | -                                 | 501903                                         |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 17                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 18                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5298                 |                                   |                                   | 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                   | 81.9                              | 18                   | 1586                              | -                                 | 54180                                          |
| 2                          | 2                   | 68                                | 18                   | 1320                              | -                                 | 215317                                         |
| 3                          | 3                   | 89.9                              | 18                   | 1411                              | 1722                              | 375347                                         |
| 4                          | 3                   | 87                                | 18                   | 1334                              | 1205                              | 536163                                         |
| 5                          | 2                   | 75.6                              | 18                   | 1823                              | -                                 | 34399                                          |
| 6                          | 3                   | 83.6                              | 18                   | 1575                              | 1872                              | 194670                                         |
| 7                          | 1                   | 56.2                              | 18                   | -                                 | -                                 | 357060                                         |
| 8                          | 3                   | 97.8                              | 18                   | 1715                              | 1843                              | 516058                                         |
| 9                          | 2                   | 68.7                              | 18                   | 1998                              | -                                 | 14550                                          |
| 10                         | 3                   | 95.9                              | 18                   | 1159                              | 1410                              | 175285                                         |
| 11                         | 1                   | 61.6                              | 18                   | -                                 | -                                 | 337352                                         |
| 12                         | 2                   | 80.7                              | 18                   | 1282                              | -                                 | 497323                                         |
| 13                         | 1                   | 58                                | 18                   | -                                 | -                                 | 660254                                         |
| 14                         | 3                   | 86.9                              | 18                   | 1012                              | 1351                              | 155527                                         |
| 15                         | 1                   | 62                                | 18                   | -                                 | -                                 | 317275                                         |
| 16                         | 1                   | 66.3                              | 18                   | -                                 | -                                 | 478862                                         |
| 17                         | 2                   | 82.3                              | 18                   | 1532                              | -                                 | 638749                                         |
| 18                         | 1                   | 60.6                              | 18                   | -                                 | -                                 | 136184                                         |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 18                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 19                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5298                 |                                   |                                   | 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                   | 81                                | 19                   | 1604                              | -                                 | 281090                                         |
| 2                          | 1                   | 56.9                              | 19                   | -                                 | -                                 | 434673                                         |
| 3                          | 2                   | 76.5                              | 19                   | 1869                              | -                                 | 585588                                         |
| 4                          | 1                   | 60.5                              | 19                   | -                                 | -                                 | 110128                                         |
| 5                          | 2                   | 76.2                              | 19                   | 1496                              | -                                 | 262182                                         |
| 6                          | 3                   | 97                                | 19                   | 1948                              | 1084                              | 413727                                         |
| 7                          | 3                   | 83.7                              | 19                   | 1240                              | 1192                              | 566061                                         |
| 8                          | 3                   | 91.1                              | 19                   | 1813                              | 1430                              | 90857                                          |
| 9                          | 1                   | 53.1                              | 19                   | -                                 | -                                 | 244361                                         |
| 10                         | 3                   | 88.7                              | 19                   | 1915                              | 1540                              | 394922                                         |
| 11                         | 3                   | 84.7                              | 19                   | 1368                              | 1428                              | 547590                                         |
| 12                         | 2                   | 82.8                              | 19                   | 1976                              | -                                 | 72273                                          |
| 13                         | 2                   | 74.2                              | 19                   | 1379                              | -                                 | 224839                                         |
| 14                         | 1                   | 50.8                              | 19                   | -                                 | -                                 | 377935                                         |
| 15                         | 2                   | 68.7                              | 19                   | 1970                              | -                                 | 529478                                         |
| 16                         | 3                   | 85.6                              | 19                   | 1376                              | 1920                              | 53456                                          |
| 17                         | 3                   | 84.4                              | 19                   | 1975                              | 1749                              | 205278                                         |
| 18                         | 2                   | 75.9                              | 19                   | 1408                              | -                                 | 358793                                         |
| 19                         | 3                   | 84.6                              | 19                   | 1814                              | 1157                              | 509785                                         |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

| Trial Number:              |                  |                                | 19                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 17                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5297                 |                                   |                                   | 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                | 62.2                           | 16                   | -                                 | -                                 | 39018                                          |
| 2                          | 2                | 81.2                           | 16                   | 1417                              | -                                 | 209369                                         |
| 3                          | 3                | 94.2                           | 16                   | 1114                              | 1333                              | 379199                                         |
| 4                          | 1                | 56.3                           | 16                   | -                                 | -                                 | 551603                                         |
| 5                          | 1                | 51.1                           | 16                   | -                                 | -                                 | 17962                                          |
| 6                          | 3                | 92                             | 16                   | 1131                              | 1719                              | 187937                                         |
| 7                          | 2                | 77.1                           | 16                   | 1647                              | -                                 | 358549                                         |
| 8                          | 2                | 70.6                           | 16                   | 1452                              | -                                 | 529711                                         |
| 9                          | 2                | 67.9                           | 16                   | 1990                              | -                                 | 699363                                         |
| 10                         | 3                | 95.5                           | 16                   | 1244                              | 1669                              | 167102                                         |
| 11                         | 3                | 89.5                           | 16                   | 1026                              | 1156                              | 337600                                         |
| 12                         | 2                | 71.6                           | 16                   | 1992                              | -                                 | 507894                                         |
| 13                         | 3                | 84.4                           | 16                   | 1494                              | 1378                              | 677582                                         |
| 14                         | 1                | 65.3                           | 16                   | -                                 | -                                 | 146649                                         |
| 15                         | 2                | 71.3                           | 16                   | 1817                              | -                                 | 316787                                         |
| 16                         | 1                | 52.2                           | 16                   | -                                 | -                                 | 488268                                         |
| 17                         | 1                | 66.6                           | 16                   | -                                 | -                                 | 659626                                         |
| 18                         |                  |                                |                      |                                   |                                   |                                                |
| 19                         |                  |                                |                      |                                   |                                   |                                                |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 20                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 10                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5294                 |                                   |                                   | 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                   | 74.8                              | 8                    | 1989                              | -                                 | 213446                                         |
| 2                          | 2                   | 71.3                              | 8                    | 1571                              | -                                 | 503703                                         |
| 3                          | 3                   | 91.8                              | 8                    | 1066                              | 1885                              | 793223                                         |
| 4                          | 3                   | 93                                | 8                    | 1942                              | 1865                              | 1081978                                        |
| 5                          | 1                   | 53.2                              | 8                    | -                                 | -                                 | 177987                                         |
| 6                          | 3                   | 84.6                              | 8                    | 1727                              | 1611                              | 467370                                         |
| 7                          | 2                   | 80.5                              | 8                    | 1900                              | -                                 | 758044                                         |
| 8                          | 2                   | 67.5                              | 8                    | 1212                              | -                                 | 1048979                                        |
| 9                          | 1                   | 63                                | 8                    | -                                 | -                                 | 142243                                         |
| 10                         | 3                   | 85.9                              | 8                    | 1031                              | 1419                              | 431981                                         |
| 11                         |                     |                                   |                      |                                   |                                   |                                                |
| 12                         |                     |                                   |                      |                                   |                                   |                                                |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 21                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5306                 |                                   |                                   | 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                   | 71.7                              | 9                    | 1048                              | -                                 | 601937                                         |
| 2                          | 1                   | 60.8                              | 9                    | -                                 | -                                 | 844793                                         |
| 3                          | 1                   | 61.9                              | 9                    | -                                 | -                                 | 88619                                          |
| 4                          | 2                   | 72.5                              | 9                    | 1343                              | -                                 | 330525                                         |
| 5                          | 1                   | 52.4                              | 9                    | -                                 | -                                 | 572962                                         |
| 6                          | 3                   | 86.1                              | 9                    | 1465                              | 1894                              | 812048                                         |
| 7                          | 2                   | 81.7                              | 9                    | 1183                              | -                                 | 58766                                          |
| 8                          | 2                   | 70.1                              | 9                    | 1616                              | -                                 | 300640                                         |
| 9                          | 2                   | 79.5                              | 9                    | 1873                              | -                                 | 542023                                         |
| 10                         | 3                   | 86.9                              | 9                    | 1870                              | 1498                              | 782664                                         |
| 11                         | 1                   | 50.5                              | 9                    | -                                 | -                                 | 28968                                          |
| 12                         | 2                   | 75.3                              | 9                    | 1549                              | -                                 | 270669                                         |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 22                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 11                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5306                 |                                   |                                   | 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                              | 8                    | 1369                              | -                                 | 559346                                         |
| 2                          | 3                   | 99.2                              | 8                    | 1735                              | 1598                              | 821769                                         |
| 3                          | 2                   | 76.4                              | 8                    | 1788                              | -                                 | 1086844                                        |
| 4                          | 1                   | 65.7                              | 8                    | -                                 | -                                 | 263228                                         |
| 5                          | 3                   | 95.6                              | 8                    | 1732                              | 1220                              | 526275                                         |
| 6                          | 1                   | 63.6                              | 8                    | -                                 | -                                 | 791966                                         |
| 7                          | 2                   | 67.1                              | 8                    | 1466                              | -                                 | 1054720                                        |
| 8                          | 1                   | 50.3                              | 8                    | -                                 | -                                 | 230825                                         |
| 9                          | 2                   | 67.5                              | 8                    | 1640                              | -                                 | 494274                                         |
| 10                         | 1                   | 52.8                              | 8                    | -                                 | -                                 | 758880                                         |
| 11                         | 3                   | 98.6                              | 8                    | 1736                              | 1708                              | 1020451                                        |
| 12                         |                     |                                   |                      |                                   |                                   |                                                |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 23                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 15                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5304                 |                                   |                                   | 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                                | 13                   | -                                 | -                                 | 145239                                         |
| 2                          | 1                   | 60.7                              | 13                   | -                                 | -                                 | 338961                                         |
| 3                          | 1                   | 63.1                              | 13                   | -                                 | -                                 | 532883                                         |
| 4                          | 3                   | 84.2                              | 13                   | 1767                              | 1625                              | 723373                                         |
| 5                          | 3                   | 91.7                              | 13                   | 1903                              | 1512                              | 120862                                         |
| 6                          | 1                   | 58.9                              | 13                   | -                                 | -                                 | 315167                                         |
| 7                          | 3                   | 96.6                              | 13                   | 1181                              | 1257                              | 506937                                         |
| 8                          | 1                   | 63.6                              | 13                   | -                                 | -                                 | 702000                                         |
| 9                          | 3                   | 88.9                              | 13                   | 1043                              | 1554                              | 97303                                          |
| 10                         | 3                   | 88.1                              | 13                   | 1292                              | 1637                              | 290234                                         |
| 11                         | 1                   | 56                                | 13                   | -                                 | -                                 | 485158                                         |
| 12                         | 1                   | 55.3                              | 13                   | -                                 | -                                 | 678553                                         |
| 13                         | 1                   | 59.7                              | 13                   | -                                 | -                                 | 73673                                          |
| 14                         | 1                   | 56                                | 13                   | -                                 | -                                 | 267490                                         |
| 15                         | 2                   | 73                                | 13                   | 1857                              | -                                 | 459783                                         |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                  |                             | 24                |                             |                             | Detection<br>(Yes/No)                    |
|----------------------------|------------------|-----------------------------|-------------------|-----------------------------|-----------------------------|------------------------------------------|
| Number of Bursts in Trial: |                  |                             | 17                |                             |                             |                                          |
| Chirp Center Frequency:    |                  |                             | 5303              |                             |                             | Yes                                      |
| 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                          | 3                | 87                          | 16                | 1155                        | 1652                        | 575192                                   |
| 2                          | 3                | 85.5                        | 16                | 1357                        | 1644                        | 43769                                    |
| 3                          | 1                | 52.6                        | 16                | -                           | -                           | 214766                                   |
| 4                          | 3                | 95.3                        | 16                | 1519                        | 1223                        | 384363                                   |
| 5                          | 3                | 91.8                        | 16                | 1035                        | 1121                        | 554720                                   |
| 6                          | 1                | 65.4                        | 16                | -                           | -                           | 22944                                    |
| 7                          | 1                | 66.1                        | 16                | -                           | -                           | 193636                                   |
| 8                          | 3                | 99.5                        | 16                | 1432                        | 1565                        | 363290                                   |
| 9                          | 1                | 52.6                        | 16                | -                           | -                           | 535430                                   |
| 10                         | 3                | 92.7                        | 16                | 1908                        | 1696                        | 1885                                     |
| 11                         | 1                | 66.6                        | 16                | -                           | -                           | 172838                                   |
| 12                         | 3                | 87.6                        | 16                | 1034                        | 1204                        | 342340                                   |
| 13                         | 3                | 89.1                        | 16                | 1777                        | 1298                        | 512153                                   |
| 14                         | 2                | 66.9                        | 16                | 1762                        | -                           | 683938                                   |
| 15                         | 1                | 50.3                        | 16                | -                           | -                           | 151613                                   |
| 16                         | 1                | 62.7                        | 16                | -                           | -                           | 322567                                   |
| 17                         | 2                | 68.4                        | 16                | 1364                        | -                           | 492534                                   |
| 18                         |                  |                             |                   |                             |                             |                                          |
| 19                         |                  |                             |                   |                             |                             |                                          |
| 20                         |                  |                             |                   |                             |                             |                                          |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 25                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 20                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5302                 |                                   |                                   | 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                   | 68.9                              | 20                   | 1662                              | -                                 | 562530                                         |
| 2                          | 1                   | 62.2                              | 20                   | -                                 | -                                 | 110964                                         |
| 3                          | 1                   | 59.8                              | 20                   | -                                 | -                                 | 255994                                         |
| 4                          | 1                   | 61.7                              | 20                   | -                                 | -                                 | 401028                                         |
| 5                          | 3                   | 89.4                              | 20                   | 1609                              | 1090                              | 544264                                         |
| 6                          | 1                   | 51.9                              | 20                   | -                                 | -                                 | 93051                                          |
| 7                          | 3                   | 90                                | 20                   | 1110                              | 1460                              | 237141                                         |
| 8                          | 1                   | 61.1                              | 20                   | -                                 | -                                 | 383412                                         |
| 9                          | 2                   | 83                                | 20                   | 1341                              | -                                 | 527671                                         |
| 10                         | 2                   | 73.2                              | 20                   | 1275                              | -                                 | 75075                                          |
| 11                         | 1                   | 61.7                              | 20                   | -                                 | -                                 | 220578                                         |
| 12                         | 3                   | 87.2                              | 20                   | 1234                              | 1188                              | 363958                                         |
| 13                         | 1                   | 62.6                              | 20                   | -                                 | -                                 | 510439                                         |
| 14                         | 3                   | 93.8                              | 20                   | 1855                              | 1712                              | 56981                                          |
| 15                         | 1                   | 66.6                              | 20                   | -                                 | -                                 | 202494                                         |
| 16                         | 1                   | 59.7                              | 20                   | -                                 | -                                 | 347833                                         |
| 17                         | 2                   | 72.6                              | 20                   | 1289                              | -                                 | 491773                                         |
| 18                         | 2                   | 76.6                              | 20                   | 1778                              | -                                 | 39336                                          |
| 19                         | 2                   | 81.7                              | 20                   | 1002                              | -                                 | 184292                                         |
| 20                         | 3                   | 97.7                              | 20                   | 1785                              | 1237                              | 328364                                         |

| Trial Number:              |                     |                                   | 26                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 19                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5302                 |                                   |                                   | 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                   | 72.2                              | 19                   | 1702                              | -                                 | 498396                                         |
| 2                          | 1                   | 61.1                              | 19                   | -                                 | -                                 | 22753                                          |
| 3                          | 2                   | 83.2                              | 19                   | 1335                              | -                                 | 175174                                         |
| 4                          | 3                   | 86                                | 19                   | 1629                              | 1819                              | 326812                                         |
| 5                          | 1                   | 61.2                              | 19                   | -                                 | -                                 | 481287                                         |
| 6                          | 1                   | 60.5                              | 19                   | -                                 | -                                 | 3921                                           |
| 7                          | 3                   | 91.5                              | 19                   | 1645                              | 1418                              | 156098                                         |
| 8                          | 2                   | 75.1                              | 19                   | 1420                              | -                                 | 308873                                         |
| 9                          | 2                   | 71.4                              | 19                   | 1173                              | -                                 | 461189                                         |
| 10                         | 1                   | 57.5                              | 19                   | -                                 | -                                 | 615463                                         |
| 11                         | 3                   | 96.8                              | 19                   | 1446                              | 1861                              | 137160                                         |
| 12                         | 3                   | 88.5                              | 19                   | 1283                              | 1985                              | 289350                                         |
| 13                         | 2                   | 75.3                              | 19                   | 1207                              | -                                 | 442472                                         |
| 14                         | 3                   | 87.7                              | 19                   | 1085                              | 1063                              | 594699                                         |
| 15                         | 3                   | 86.5                              | 19                   | 1016                              | 1792                              | 118643                                         |
| 16                         | 3                   | 97.6                              | 19                   | 1444                              | 1482                              | 270750                                         |
| 17                         | 3                   | 96.2                              | 19                   | 1319                              | 1659                              | 423006                                         |
| 18                         | 1                   | 61.2                              | 19                   | -                                 | -                                 | 577729                                         |
| 19                         | 3                   | 97.7                              | 19                   | 1605                              | 1866                              | 99671                                          |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

| Trial Number:              |                  |                                | 27                   |                                |                                | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|--------------------------------|--------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 14                   |                                |                                |                                                |
| Chirp Center Frequency:    |                  |                                | 5304                 |                                |                                | 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                | 83.5                           | 13                   | 1017                           | 1840                           | 342355                                         |
| 2                          | 1                | 62.7                           | 13                   | -                              | -                              | 550959                                         |
| 3                          | 3                | 84.1                           | 13                   | 1232                           | 1480                           | 756733                                         |
| 4                          | 1                | 58.8                           | 13                   | -                              | -                              | 110633                                         |
| 5                          | 3                | 92.2                           | 13                   | 1798                           | 1996                           | 316538                                         |
| 6                          | 1                | 54.3                           | 13                   | -                              | -                              | 525502                                         |
| 7                          | 1                | 62.3                           | 13                   | -                              | -                              | 733291                                         |
| 8                          | 3                | 90.1                           | 13                   | 1296                           | 1529                           | 84767                                          |
| 9                          | 3                | 98.9                           | 13                   | 1979                           | 1459                           | 291214                                         |
| 10                         | 3                | 100                            | 13                   | 1691                           | 1362                           | 498505                                         |
| 11                         | 2                | 77.8                           | 13                   | 1863                           | -                              | 705794                                         |
| 12                         | 1                | 66.5                           | 13                   | -                              | -                              | 59467                                          |
| 13                         | 3                | 90.3                           | 13                   | 1752                           | 1445                           | 265880                                         |
| 14                         | 2                | 68.7                           | 13                   | 1422                           | -                              | 473989                                         |
| 15                         |                  |                                |                      |                                |                                |                                                |
| 16                         |                  |                                |                      |                                |                                |                                                |
| 17                         |                  |                                |                      |                                |                                |                                                |
| 18                         |                  |                                |                      |                                |                                |                                                |
| 19                         |                  |                                |                      |                                |                                |                                                |
| 20                         |                  |                                |                      |                                |                                |                                                |

| Trial Number:              |                  |                                | 28                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 12                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5306                 |                                   |                                   | 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                | 65.1                           | 10                   | -                                 | -                                 | 796284                                         |
| 2                          | 3                | 96.2                           | 10                   | 1733                              | 1077                              | 39461                                          |
| 3                          | 1                | 57.7                           | 10                   | -                                 | -                                 | 281806                                         |
| 4                          | 2                | 79.1                           | 10                   | 1671                              | -                                 | 523240                                         |
| 5                          | 2                | 73.9                           | 10                   | 1854                              | -                                 | 764529                                         |
| 6                          | 1                | 50.5                           | 10                   | -                                 | -                                 | 9750                                           |
| 7                          | 2                | 78.8                           | 10                   | 1716                              | -                                 | 251463                                         |
| 8                          | 1                | 60.4                           | 10                   | -                                 | -                                 | 493932                                         |
| 9                          | 1                | 64.9                           | 10                   | -                                 | -                                 | 735940                                         |
| 10                         | 3                | 89.8                           | 10                   | 1013                              | 1117                              | 976604                                         |
| 11                         | 2                | 75.5                           | 10                   | 1665                              | -                                 | 221767                                         |
| 12                         | 2                | 76.4                           | 10                   | 1557                              | -                                 | 463546                                         |
| 13                         |                  |                                |                      |                                   |                                   |                                                |
| 14                         |                  |                                |                      |                                   |                                   |                                                |
| 15                         |                  |                                |                      |                                   |                                   |                                                |
| 16                         |                  |                                |                      |                                   |                                   |                                                |
| 17                         |                  |                                |                      |                                   |                                   |                                                |
| 18                         |                  |                                |                      |                                   |                                   |                                                |
| 19                         |                  |                                |                      |                                   |                                   |                                                |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

| Trial Number:              |                     |                                   | 29                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 14                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5304                 |                                   |                                   | 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                   | 73.3                              | 13                   | 1407                              | -                                 | 604353                                         |
| 2                          | 1                   | 61.8                              | 13                   | -                                 | -                                 | 812654                                         |
| 3                          | 2                   | 75                                | 13                   | 1720                              | -                                 | 164406                                         |
| 4                          | 1                   | 57.3                              | 13                   | -                                 | -                                 | 372250                                         |
| 5                          | 2                   | 69.1                              | 13                   | 1710                              | -                                 | 578377                                         |
| 6                          | 1                   | 63.5                              | 13                   | -                                 | -                                 | 787415                                         |
| 7                          | 1                   | 61.3                              | 13                   | -                                 | -                                 | 139107                                         |
| 8                          | 2                   | 78.9                              | 13                   | 1247                              | -                                 | 346071                                         |
| 9                          | 3                   | 98.2                              | 13                   | 1398                              | 1957                              | 552004                                         |
| 10                         | 3                   | 85                                | 13                   | 1683                              | 1133                              | 759395                                         |
| 11                         | 3                   | 88.1                              | 13                   | 1773                              | 1507                              | 113173                                         |
| 12                         | 1                   | 52.2                              | 13                   | -                                 | -                                 | 320989                                         |
| 13                         | 3                   | 91                                | 13                   | 1267                              | 1033                              | 527219                                         |
| 14                         | 2                   | 81.6                              | 13                   | 1229                              | -                                 | 735334                                         |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 30                   |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 13                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5305                 |                                   |                                   | 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                                | 12                   | 1288                              | 1412                              | 94583                                          |
| 2                          | 2                   | 70.5                              | 12                   | 1342                              | -                                 | 317798                                         |
| 3                          | 3                   | 92.7                              | 12                   | 1521                              | 1254                              | 540393                                         |
| 4                          | 2                   | 75.1                              | 12                   | 1610                              | -                                 | 764398                                         |
| 5                          | 3                   | 93.6                              | 12                   | 1347                              | 1481                              | 67105                                          |
| 6                          | 3                   | 91.1                              | 12                   | 1104                              | 1879                              | 289762                                         |
| 7                          | 1                   | 56.5                              | 12                   | -                                 | -                                 | 514527                                         |
| 8                          | 2                   | 69.7                              | 12                   | 1150                              | -                                 | 736933                                         |
| 9                          | 1                   | 60.2                              | 12                   | -                                 | -                                 | 39805                                          |
| 10                         | 3                   | 91.5                              | 12                   | 1856                              | 1135                              | 262559                                         |
| 11                         | 2                   | 78.7                              | 12                   | 1881                              | -                                 | 485999                                         |
| 12                         | 2                   | 68.4                              | 12                   | 1218                              | -                                 | 709651                                         |
| 13                         | 2                   | 72.2                              | 12                   | 1576                              | -                                 | 12238                                          |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |



**Channel 62 Bandwidth 40MHz**

**DFS Radar Parameters**  
**FCC Radar Type 1**  
**Channel 62 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       | 9                                                 | 1474.93                                              | 678                                            | Yes                     |
| 2       | 15                                                | 1253.13                                              | 798                                            | Yes                     |
| 3       | 11                                                | 1392.76                                              | 718                                            | Yes                     |
| 4       | 5                                                 | 1672.24                                              | 598                                            | Yes                     |
| 5       | 3                                                 | 1792.11                                              | 558                                            | Yes                     |
| 6       | 12                                                | 1355.01                                              | 738                                            | Yes                     |
| 7       | 14                                                | 1285.35                                              | 778                                            | Yes                     |
| 8       | 22                                                | 1066.10                                              | 938                                            | Yes                     |
| 9       | 19                                                | 1138.95                                              | 878                                            | Yes                     |
| 10      | 21                                                | 1089.32                                              | 918                                            | Yes                     |
| 11      | 13                                                | 1319.26                                              | 758                                            | Yes                     |
| 12      | 10                                                | 1432.66                                              | 698                                            | Yes                     |
| 13      | 12                                                | 326.16                                               | 3066                                           | Yes                     |
| 14      | 4                                                 | 1730.10                                              | 578                                            | Yes                     |
| 15      | 8                                                 | 1519.76                                              | 658                                            | Yes                     |
| 16      |                                                   | 985.22                                               | 1015                                           | Yes                     |
| 17      |                                                   | 520.02                                               | 1923                                           | Yes                     |
| 18      |                                                   | 362.98                                               | 2755                                           | Yes                     |
| 19      |                                                   | 415.80                                               | 2405                                           | Yes                     |
| 20      |                                                   | 399.04                                               | 2506                                           | Yes                     |
| 21      |                                                   | 882.61                                               | 1133                                           | Yes                     |
| 22      |                                                   | 1184.83                                              | 844                                            | Yes                     |
| 23      |                                                   | 358.68                                               | 2788                                           | Yes                     |
| 24      |                                                   | 431.22                                               | 2319                                           | Yes                     |
| 25      |                                                   | 1182.03                                              | 846                                            | Yes                     |
| 26      |                                                   | 469.04                                               | 2132                                           | Yes                     |
| 27      |                                                   | 798.72                                               | 1252                                           | Yes                     |
| 28      |                                                   | 526.59                                               | 1899                                           | Yes                     |
| 29      |                                                   | 914.91                                               | 1093                                           | Yes                     |
| 30      |                                                   | 1795.33                                              | 557                                            | Yes                     |

**DFS Radar Parameters**  
**FCC Radar Type 2**  
**Channel 62 Bandwidth 40MHz**

| Trial # | Number Pulses per Burst | Pulse Width<br>(Microseconds) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|-------------------------|-------------------------------|------------------------------------------------|-------------------------|
| 1       | 27                      | 3.70                          | 225                                            | Yes                     |
| 2       | 24                      | 1.90                          | 153                                            | Yes                     |
| 3       | 25                      | 2.20                          | 213                                            | Yes                     |
| 4       | 27                      | 3.90                          | 196                                            | Yes                     |
| 5       | 29                      | 4.60                          | 223                                            | Yes                     |
| 6       | 27                      | 3.30                          | 210                                            | Yes                     |
| 7       | 25                      | 2.20                          | 172                                            | Yes                     |
| 8       | 26                      | 3.30                          | 162                                            | Yes                     |
| 9       | 25                      | 2.50                          | 197                                            | Yes                     |
| 10      | 29                      | 4.50                          | 205                                            | Yes                     |
| 11      | 29                      | 4.90                          | 150                                            | Yes                     |
| 12      | 25                      | 2.70                          | 167                                            | Yes                     |
| 13      | 26                      | 2.90                          | 163                                            | Yes                     |
| 14      | 29                      | 4.90                          | 216                                            | Yes                     |
| 15      | 24                      | 1.60                          | 173                                            | Yes                     |
| 16      | 29                      | 4.90                          | 164                                            | Yes                     |
| 17      | 28                      | 4.30                          | 177                                            | Yes                     |
| 18      | 29                      | 4.70                          | 171                                            | Yes                     |
| 19      | 27                      | 3.80                          | 229                                            | Yes                     |
| 20      | 24                      | 1.70                          | 181                                            | Yes                     |
| 21      | 25                      | 2.20                          | 224                                            | Yes                     |
| 22      | 24                      | 1.90                          | 188                                            | Yes                     |
| 23      | 26                      | 3.20                          | 152                                            | Yes                     |
| 24      | 27                      | 3.80                          | 226                                            | Yes                     |
| 25      | 29                      | 4.90                          | 190                                            | Yes                     |
| 26      | 29                      | 4.60                          | 195                                            | Yes                     |
| 27      | 26                      | 3.20                          | 227                                            | Yes                     |
| 28      | 25                      | 2.40                          | 156                                            | Yes                     |
| 29      | 26                      | 3.00                          | 160                                            | Yes                     |
| 30      | 26                      | 2.80                          | 187                                            | Yes                     |

**DFS Radar Parameters**  
**FCC Radar Type 3**  
**Channel 62 Bandwidth 40MHz**

| Trial # | Number Pulses per Burst | Pulse Width<br>(Microseconds) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|-------------------------|-------------------------------|------------------------------------------------|-------------------------|
| 1       | 17                      | 8.70                          | 324                                            | Yes                     |
| 2       | 16                      | 6.90                          | 450                                            | Yes                     |
| 3       | 16                      | 7.20                          | 440                                            | Yes                     |
| 4       | 18                      | 8.90                          | 319                                            | Yes                     |
| 5       | 18                      | 9.60                          | 385                                            | Yes                     |
| 6       | 17                      | 8.30                          | 437                                            | Yes                     |
| 7       | 16                      | 7.20                          | 337                                            | Yes                     |
| 8       | 17                      | 8.30                          | 296                                            | Yes                     |
| 9       | 17                      | 7.50                          | 220                                            | Yes                     |
| 10      | 18                      | 9.50                          | 438                                            | Yes                     |
| 11      | 18                      | 9.90                          | 397                                            | Yes                     |
| 12      | 17                      | 7.70                          | 381                                            | Yes                     |
| 13      | 17                      | 7.90                          | 407                                            | Yes                     |
| 14      | 18                      | 9.90                          | 331                                            | Yes                     |
| 15      | 16                      | 6.60                          | 488                                            | Yes                     |
| 16      | 18                      | 9.90                          | 469                                            | Yes                     |
| 17      | 18                      | 9.30                          | 339                                            | Yes                     |
| 18      | 18                      | 9.70                          | 467                                            | Yes                     |
| 19      | 18                      | 8.80                          | 206                                            | Yes                     |
| 20      | 16                      | 6.70                          | 389                                            | Yes                     |
| 21      | 16                      | 7.20                          | 362                                            | Yes                     |
| 22      | 16                      | 6.90                          | 244                                            | Yes                     |
| 23      | 17                      | 8.20                          | 288                                            | Yes                     |
| 24      | 18                      | 8.80                          | 250                                            | Yes                     |
| 25      | 18                      | 9.90                          | 391                                            | Yes                     |
| 26      | 18                      | 9.60                          | 204                                            | Yes                     |
| 27      | 17                      | 8.20                          | 297                                            | Yes                     |
| 28      | 17                      | 7.40                          | 489                                            | Yes                     |
| 29      | 17                      | 8.00                          | 429                                            | Yes                     |
| 30      | 17                      | 7.80                          | 359                                            | Yes                     |

**DFS Radar Parameters**  
**FCC Radar Type 4**  
**Channel 62 Bandwidth 40MHz**

| Trial # | Number Pulses per Burst | Pulse Width<br>(Microseconds) | Pulse Repetition<br>Interval<br>(Microseconds) | Detection<br>(Yes / No) |
|---------|-------------------------|-------------------------------|------------------------------------------------|-------------------------|
| 1       | 15                      | 17.00                         | 324                                            | Yes                     |
| 2       | 13                      | 13.10                         | 450                                            | Yes                     |
| 3       | 13                      | 13.60                         | 440                                            | Yes                     |
| 4       | 15                      | 17.40                         | 319                                            | Yes                     |
| 5       | 16                      | 19.10                         | 385                                            | Yes                     |
| 6       | 14                      | 16.20                         | 437                                            | Yes                     |
| 7       | 13                      | 13.80                         | 337                                            | Yes                     |
| 8       | 14                      | 16.10                         | 296                                            | Yes                     |
| 9       | 13                      | 14.30                         | 220                                            | Yes                     |
| 10      | 16                      | 18.80                         | 438                                            | Yes                     |
| 11      | 16                      | 19.60                         | 397                                            | Yes                     |
| 12      | 14                      | 14.80                         | 381                                            | Yes                     |
| 13      | 14                      | 15.30                         | 407                                            | Yes                     |
| 14      | 16                      | 19.70                         | 331                                            | Yes                     |
| 15      | 12                      | 12.40                         | 488                                            | Yes                     |
| 16      | 16                      | 19.70                         | 469                                            | Yes                     |
| 17      | 16                      | 18.40                         | 339                                            | Yes                     |
| 18      | 16                      | 19.30                         | 467                                            | Yes                     |
| 19      | 15                      | 17.40                         | 206                                            | Yes                     |
| 20      | 12                      | 12.70                         | 389                                            | Yes                     |
| 21      | 13                      | 13.80                         | 362                                            | Yes                     |
| 22      | 13                      | 13.20                         | 244                                            | Yes                     |
| 23      | 14                      | 15.90                         | 288                                            | Yes                     |
| 24      | 15                      | 17.30                         | 250                                            | Yes                     |
| 25      | 16                      | 19.80                         | 391                                            | Yes                     |
| 26      | 16                      | 19.00                         | 204                                            | Yes                     |
| 27      | 14                      | 15.80                         | 297                                            | Yes                     |
| 28      | 13                      | 14.10                         | 489                                            | Yes                     |
| 29      | 14                      | 15.50                         | 429                                            | Yes                     |
| 30      | 14                      | 15.10                         | 359                                            | Yes                     |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 62 Bandwidth 40MHz**

| Trial Number:              |                     |                                   | 1                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 16                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5310                 |                                   |                                   |                                                |
| 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                   | 83.1                              | 15                   | 1360                              | -                                 | 675545                                         |
| 2                          | 1                   | 61.7                              | 15                   | -                                 | -                                 | 109752                                         |
| 3                          | 1                   | 64.7                              | 15                   | -                                 | -                                 | 291406                                         |
| 4                          | 3                   | 85.6                              | 15                   | 1315                              | 1457                              | 470740                                         |
| 5                          | 3                   | 94.8                              | 15                   | 1738                              | 1770                              | 651561                                         |
| 6                          | 2                   | 78.7                              | 15                   | 1177                              | -                                 | 87186                                          |
| 7                          | 1                   | 65.6                              | 15                   | -                                 | -                                 | 268901                                         |
| 8                          | 2                   | 78.2                              | 15                   | 1060                              | -                                 | 449949                                         |
| 9                          | 2                   | 68.6                              | 15                   | 1839                              | -                                 | 630766                                         |
| 10                         | 3                   | 93.1                              | 15                   | 1546                              | 1243                              | 64714                                          |
| 11                         | 3                   | 97.8                              | 15                   | 1672                              | 1400                              | 245570                                         |
| 12                         | 2                   | 71.1                              | 15                   | 1206                              | -                                 | 427168                                         |
| 13                         | 2                   | 73.8                              | 15                   | 1801                              | -                                 | 608206                                         |
| 14                         | 3                   | 98                                | 15                   | 1027                              | 1317                              | 42516                                          |
| 15                         | 1                   | 58.1                              | 15                   | -                                 | -                                 | 224255                                         |
| 16                         | 3                   | 98.1                              | 15                   | 1103                              | 1628                              | 403959                                         |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 2                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 11                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5310                 |                                   |                                   | 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                   | 91.1                              | 8                    | 1260                              | 1726                              | 852229                                         |
| 2                          | 3                   | 95.8                              | 8                    | 1256                              | 1835                              | 29410                                          |
| 3                          | 3                   | 85.3                              | 8                    | 1547                              | 1982                              | 292698                                         |
| 4                          | 1                   | 59.6                              | 8                    | -                                 | -                                 | 558061                                         |
| 5                          | 1                   | 65.4                              | 8                    | -                                 | -                                 | 822233                                         |
| 6                          | 1                   | 62.1                              | 8                    | -                                 | -                                 | 1085995                                        |
| 7                          | 2                   | 77.5                              | 8                    | 1834                              | -                                 | 260707                                         |
| 8                          | 3                   | 84.9                              | 8                    | 1887                              | 1008                              | 523807                                         |
| 9                          | 3                   | 98.6                              | 8                    | 1535                              | 1367                              | 787699                                         |
| 10                         | 3                   | 94.3                              | 8                    | 1943                              | 1487                              | 1050896                                        |
| 11                         | 2                   | 76.9                              | 8                    | 1922                              | -                                 | 228160                                         |
| 12                         |                     |                                   |                      |                                   |                                   |                                                |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 62 Bandwidth 40MHz**

| Trial Number:              |                     |                                   | 3                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 11                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5310                 |                                   |                                   | 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                   | 67.3                              | 9                    | 1127                              | -                                 | 492134                                         |
| 2                          | 2                   | 75.2                              | 9                    | 1453                              | -                                 | 755714                                         |
| 3                          | 2                   | 72.5                              | 9                    | 1213                              | -                                 | 1020123                                        |
| 4                          | 1                   | 52.9                              | 9                    | -                                 | -                                 | 196053                                         |
| 5                          | 3                   | 94.2                              | 9                    | 1803                              | 1113                              | 459017                                         |
| 6                          | 1                   | 55.5                              | 9                    | -                                 | -                                 | 724495                                         |
| 7                          | 3                   | 84.3                              | 9                    | 1663                              | 1316                              | 986204                                         |
| 8                          | 1                   | 59.8                              | 9                    | -                                 | -                                 | 163484                                         |
| 9                          | 2                   | 81.3                              | 9                    | 1468                              | -                                 | 426988                                         |
| 10                         | 3                   | 85.6                              | 9                    | 1093                              | 1969                              | 689946                                         |
| 11                         | 1                   | 62.9                              | 9                    | -                                 | -                                 | 956476                                         |
| 12                         |                     |                                   |                      |                                   |                                   |                                                |
| 13                         |                     |                                   |                      |                                   |                                   |                                                |
| 14                         |                     |                                   |                      |                                   |                                   |                                                |
| 15                         |                     |                                   |                      |                                   |                                   |                                                |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                  |                                | 4                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|------------------|--------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                  |                                | 17                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                  |                                | 5310                 |                                   |                                   | 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                | 69.8                           | 16                   | 1962                              | -                                 | 84444                                          |
| 2                          | 1                | 55.7                           | 16                   | -                                 | -                                 | 255455                                         |
| 3                          | 3                | 89.6                           | 16                   | 1233                              | 1492                              | 424433                                         |
| 4                          | 3                | 87.4                           | 16                   | 1336                              | 1580                              | 594670                                         |
| 5                          | 1                | 58.4                           | 16                   | -                                 | -                                 | 63613                                          |
| 6                          | 2                | 82                             | 16                   | 1978                              | -                                 | 233727                                         |
| 7                          | 1                | 52.3                           | 16                   | -                                 | -                                 | 405364                                         |
| 8                          | 1                | 65                             | 16                   | -                                 | -                                 | 576336                                         |
| 9                          | 3                | 96.3                           | 16                   | 1414                              | 1308                              | 42408                                          |
| 10                         | 3                | 94.6                           | 16                   | 1501                              | 1125                              | 212557                                         |
| 11                         | 1                | 60.5                           | 16                   | -                                 | -                                 | 384368                                         |
| 12                         | 1                | 62.3                           | 16                   | -                                 | -                                 | 555302                                         |
| 13                         | 3                | 89.3                           | 16                   | 1019                              | 1394                              | 21496                                          |
| 14                         | 3                | 94.3                           | 16                   | 1227                              | 1569                              | 191508                                         |
| 15                         | 2                | 82                             | 16                   | 1796                              | -                                 | 362099                                         |
| 16                         | 1                | 58.5                           | 16                   | -                                 | -                                 | 533848                                         |
| 17                         | 2                | 77.4                           | 16                   | 1037                              | -                                 | 514                                            |
| 18                         |                  |                                |                      |                                   |                                   |                                                |
| 19                         |                  |                                |                      |                                   |                                   |                                                |
| 20                         |                  |                                |                      |                                   |                                   |                                                |

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 62 Bandwidth 40MHz**

| Trial Number:              |                     |                                   | 5                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 19                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5310                 |                                   |                                   | 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                   | 71                                | 19                   | 1570                              | -                                 | 152778                                         |
| 2                          | 3                   | 84.3                              | 19                   | 1952                              | 1956                              | 304130                                         |
| 3                          | 2                   | 79.9                              | 19                   | 1991                              | -                                 | 457279                                         |
| 4                          | 3                   | 87                                | 19                   | 1451                              | 1330                              | 609344                                         |
| 5                          | 1                   | 50.4                              | 19                   | -                                 | -                                 | 134532                                         |
| 6                          | 1                   | 51.8                              | 19                   | -                                 | -                                 | 287125                                         |
| 7                          | 3                   | 98.3                              | 19                   | 1314                              | 1040                              | 438716                                         |
| 8                          | 1                   | 52.9                              | 19                   | -                                 | -                                 | 592717                                         |
| 9                          | 3                   | 96.2                              | 19                   | 1703                              | 1380                              | 115067                                         |
| 10                         | 3                   | 90.2                              | 19                   | 1165                              | 1488                              | 267324                                         |
| 11                         | 1                   | 53.6                              | 19                   | -                                 | -                                 | 421185                                         |
| 12                         | 1                   | 65.6                              | 19                   | -                                 | -                                 | 574050                                         |
| 13                         | 3                   | 89.5                              | 19                   | 1182                              | 1631                              | 96313                                          |
| 14                         | 3                   | 88.2                              | 19                   | 1186                              | 1442                              | 248508                                         |
| 15                         | 2                   | 76.9                              | 19                   | 1151                              | -                                 | 401545                                         |
| 16                         | 1                   | 62.5                              | 19                   | -                                 | -                                 | 555202                                         |
| 17                         | 2                   | 78.1                              | 19                   | 1388                              | -                                 | 77845                                          |
| 18                         | 2                   | 75.9                              | 19                   | 1088                              | -                                 | 230433                                         |
| 19                         | 2                   | 79.6                              | 19                   | 1129                              | -                                 | 382827                                         |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |

| Trial Number:              |                     |                                   | 6                    |                                   |                                   | Detection<br>(Yes/No)                          |
|----------------------------|---------------------|-----------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------------------------------------|
| Number of Bursts in Trial: |                     |                                   | 15                   |                                   |                                   |                                                |
| Chirp Center Frequency:    |                     |                                   | 5310                 |                                   |                                   | 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                              | 14                   | 1832                              | -                                 | 678507                                         |
| 2                          | 2                   | 78.1                              | 14                   | 1225                              | -                                 | 74833                                          |
| 3                          | 1                   | 53.6                              | 14                   | -                                 | -                                 | 268746                                         |
| 4                          | 3                   | 95.5                              | 14                   | 1271                              | 1443                              | 460688                                         |
| 5                          | 2                   | 82.6                              | 14                   | 1038                              | -                                 | 655183                                         |
| 6                          | 3                   | 83.6                              | 14                   | 1504                              | 1638                              | 50903                                          |
| 7                          | 3                   | 98.1                              | 14                   | 1527                              | 1269                              | 243797                                         |
| 8                          | 2                   | 82.4                              | 14                   | 1656                              | -                                 | 437433                                         |
| 9                          | 1                   | 56.7                              | 14                   | -                                 | -                                 | 631754                                         |
| 10                         | 1                   | 62.9                              | 14                   | -                                 | -                                 | 27267                                          |
| 11                         | 2                   | 83.3                              | 14                   | 1472                              | -                                 | 220485                                         |
| 12                         | 1                   | 58.7                              | 14                   | -                                 | -                                 | 414448                                         |
| 13                         | 1                   | 62.1                              | 14                   | -                                 | -                                 | 608571                                         |
| 14                         | 3                   | 97.1                              | 14                   | 1372                              | 1329                              | 3397                                           |
| 15                         | 1                   | 56.8                              | 14                   | -                                 | -                                 | 196979                                         |
| 16                         |                     |                                   |                      |                                   |                                   |                                                |
| 17                         |                     |                                   |                      |                                   |                                   |                                                |
| 18                         |                     |                                   |                      |                                   |                                   |                                                |
| 19                         |                     |                                   |                      |                                   |                                   |                                                |
| 20                         |                     |                                   |                      |                                   |                                   |                                                |