



# FCC DFS TEST REPORT

**FCC ID** : 2AG7G-G1A  
**Equipment** : Plume Adaptive WiFi  
**Brand Name** : Plume Design Inc  
**Model Name** : G1A  
**Applicant** : Plume Design Inc  
325 Lytton Ave., Palo Alto, CA 94301  
**Manufacturer** : Plume Design Inc  
325 Lytton Ave., Palo Alto, CA 94301  
**Standard** : FCC Part 15 Subpart E

The product was received on Mar. 23, 2021 and testing was started from May 12, 2021 and completed on May 12, 2021. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in FCC Part 15 Subpart E and shown compliance with the applicable technical standards.

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

Approved by: Louis Wu

**Sporton International Inc. EMC & Wireless Communications Laboratory**

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



# Table of Contents

**History of this test report.....3**

**Summary of Test Result.....4**

**1 General Description .....5**

    1.1 Feature of Equipment Under Test .....5

    1.2 Modification of EUT .....5

    1.3 Testing Site .....5

    1.4 Applied Standards .....6

    1.5 Support Unit used in test configuration and system .....6

**2 Requirements and Parameters for DFS Test.....7**

    2.1 Summary of Dynamic Frequency Selection Test .....7

    2.2 Applicability of DFS Requirements .....8

    2.3 DFS Detection Thresholds.....10

    2.4 DFS Response requirement values.....11

    2.5 Short Pulse Radar Test Waveforms .....12

    2.6 Long Pulse Radar Test Waveform .....14

    2.7 Frequency Hopping Radar Test Waveform .....16

**3 Calibration Setup and DFS Test Results .....17**

    3.1 Calibration of Radar Waveform .....17

    3.2 U-NII Detection Bandwidth .....24

    3.3 Channel Availability Check .....29

    3.4 In-Service Monitoring: Channel Move Time, Channel Closing Transmission Time and  
    Non-Occupancy Period.....34

    3.5 Statistical Performance Check .....40

**4 List of Measuring Equipment.....51**

**Appendix A. DFS Radar Parameters**

**Appendix B. Setup Photographs**





### 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	-

<b>Declaration of Conformity:</b>
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
<b>Comments and Explanations:</b>
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Keven Cheng  
Report Producer: Cindy Liu



# 1 General Description

## 1.1 Feature of Equipment Under Test

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

Product Specification subjective to this standard	
<b>Antenna Type</b>	<b>WLAN</b> <b>&lt;2400 MHz ~ 2483.5 MHz&gt;</b> <Ant. 1>: IFA Antenna <Ant. 2>: IFA Antenna <b>&lt;5180 MHz ~ 5320 MHz&gt;</b> <Ant. 1>: IFA Antenna <Ant. 2>: IFA Antenna <Ant. 3>: IFA Antenna <Ant. 4>: IFA Antenna <b>&lt;5500 MHz ~ 5825 MHz&gt;</b> <Ant. 1>: IFA Antenna <Ant. 2>: IFA Antenna <b>Bluetooth - LE: IFA Antenna</b>

**Remark:** The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

## 1.2 Modification of EUT

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

## 1.3 Testing Site

<b>Test Site</b>	Sporton International Inc. EMC & Wireless Communications Laboratory
<b>Test Site Location</b>	No.52, Huaya 1st Rd., Guishan & Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
<b>Test Site No.</b>	<b>Sporton Site No.</b>
	DFS02-HY



### 1.4 Applied Standards

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

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

**Remark:**

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.

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

Item	Equipment	Brand Name	Model Name	FCC ID	HW / FW Version	Power Cord
1.	Notebook	Acer	N18Q13	PD9AX201NG	N/A	AC I/P: Unshielded, 1.2 m DC O/P: 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 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% Type 1~4 and 5 >= 80% Type 6 >= 70%
	Channel Move Time	< 10 sec
	Channel Closing Transmission Time	< 200 ms + aggregate of 60 ms 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 ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power 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) + (2.2) [dBi]+ 1 dB= -60.8 dBm.



## 2.4 DFS Response requirement values

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

**Table 4: DFS Response Requirement Values**

Parameter	Value
<i>Non-occupancy period</i>	Minimum 30 minutes
<i>Channel Availability Check Time</i>	60 seconds
<i>Channel Move Time</i>	10 seconds See Note 1.
<i>Channel Closing Transmission Time</i>	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
<i>U-NII Detection Bandwidth</i>	Minimum 100% of the 99% power bandwidth See Note 3.
<p><b>Note 1:</b> <i>Channel Move Time</i> and the <i>Channel Closing Transmission Time</i> should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.</p> <p><b>Note 2:</b> The <i>Channel Closing Transmission Time</i> is comprised of 200 milliseconds starting at the beginning of the <i>Channel Move Time</i> plus any additional intermittent control signals required to facilitate <i>Channel</i> changes (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.</p> <p><b>Note 3:</b> During the <i>U-NII Detection Bandwidth</i> detection test, radar type 0 is used and for each frequency step the minimum percentage of detection is 90%. Measurements are performed with no data traffic.</p>	



## 2.5 Short Pulse Radar Test Waveforms

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

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Trials
0	1	1428	18	See Note 1.	See Note 1.
1	1	Test A Test B	Roundup $\left\{ \begin{matrix} \left( \frac{1}{360} \right) \cdot \\ \left( \frac{19 \cdot 10^6}{PRI_{\mu sec}} \right) \end{matrix} \right\}$	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 Frequency Number (1 to 23)	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (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

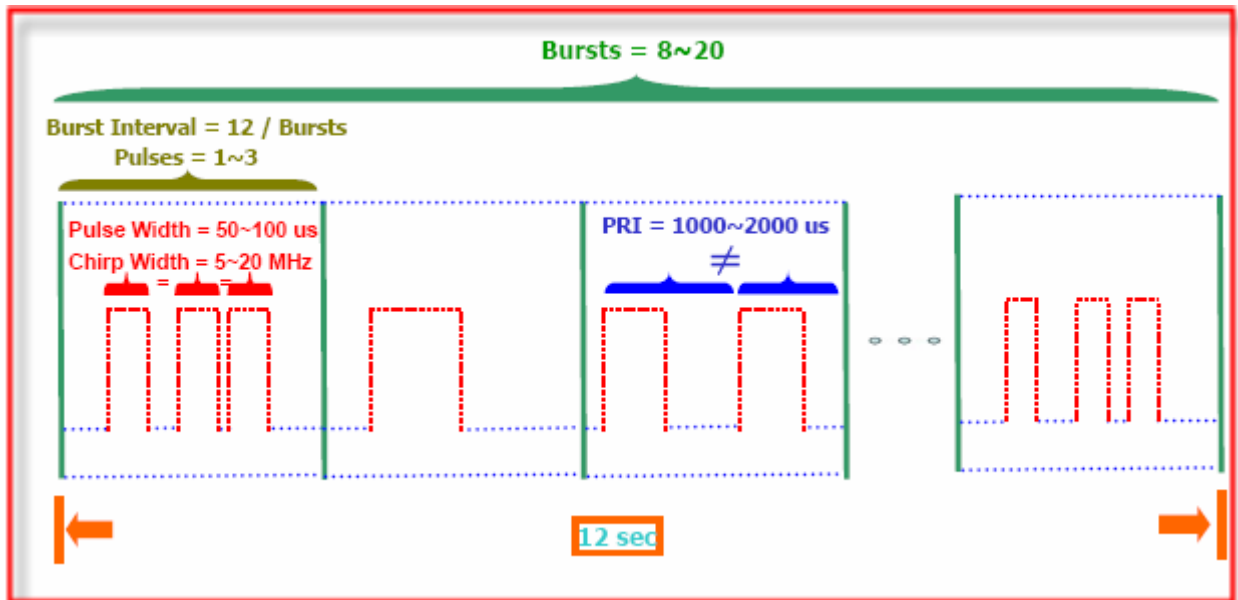
The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse radar test signal. If more than 30 waveforms are used for the Long Pulse radar test signal, then each additional waveform must also be unique and not repeated from the previous waveforms. Each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

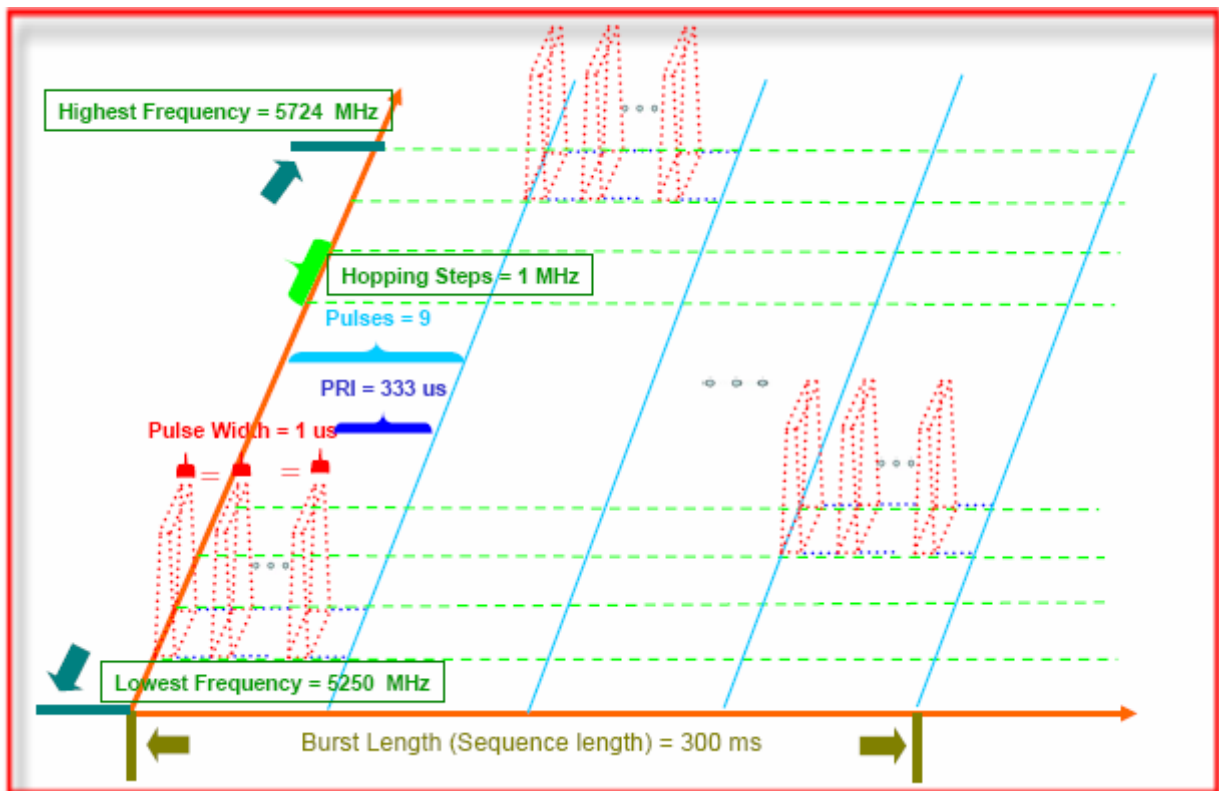


## 2.7 Frequency Hopping Radar Test Waveform

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.





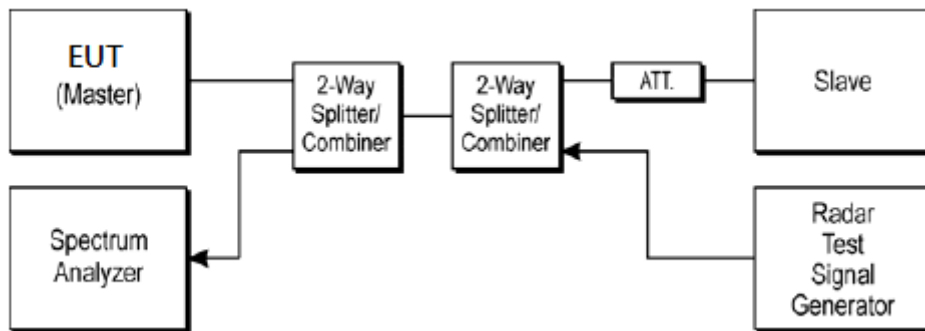
### 3 Calibration Setup and DFS Test Results

#### 3.1 Calibration of Radar Waveform

##### 3.1.1 Radar Waveform Calibration Procedure

The Interference Radar Detection Threshold Level is  $(-64) + (2.2) \text{ [dBi]} + 1\text{dB} = -60.8 \text{ dBm}$  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  $(-64) + (2.2) \text{ [dBi]} + 1\text{dB} = -60.8 \text{ dBm}$ . Capture the spectrum analyzer plots on radar waveform.

##### 3.1.2 Conducted Calibration Setup



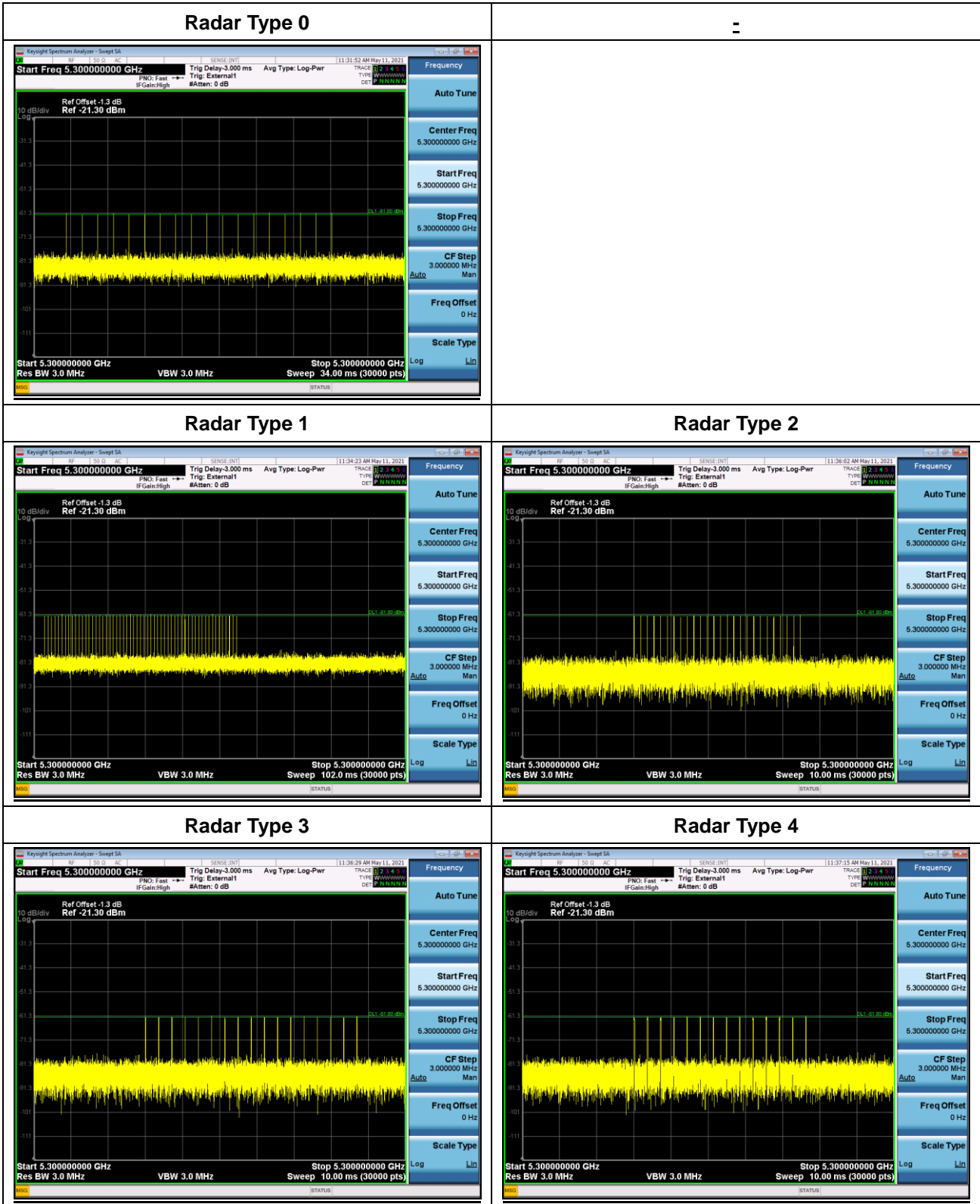
##### 3.1.3 Calibration Deviation

There is no deviation with the original standard.



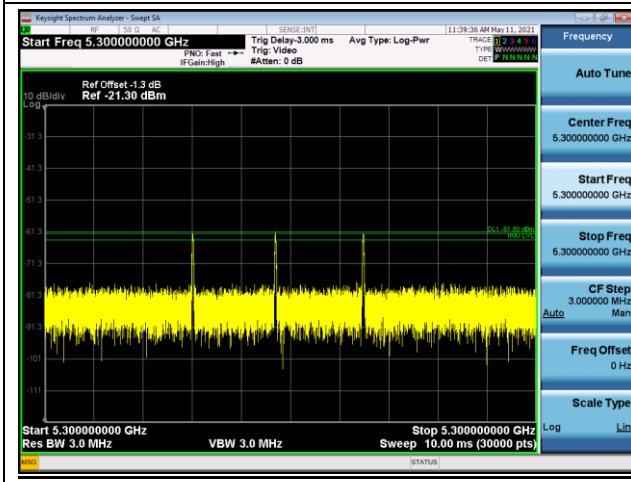
### 3.1.4 Radar Waveform Calibration Result

<20MHz / 5300MHz>

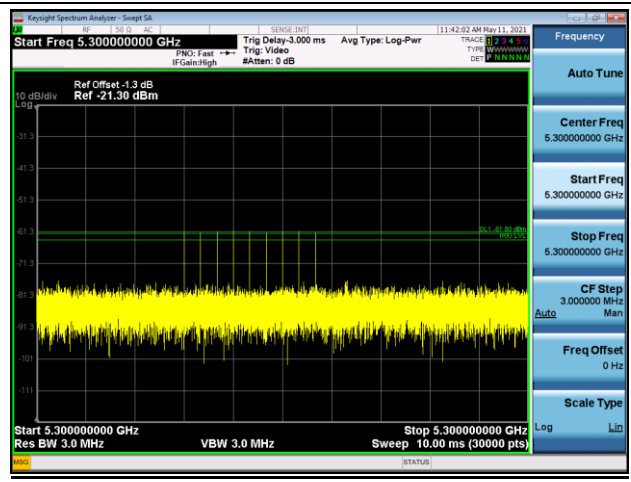




Single Burst of Radar Type 5



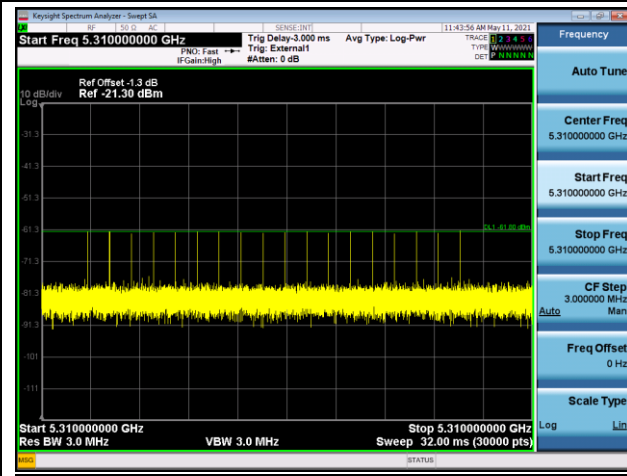
Single Burst of Radar Type 6



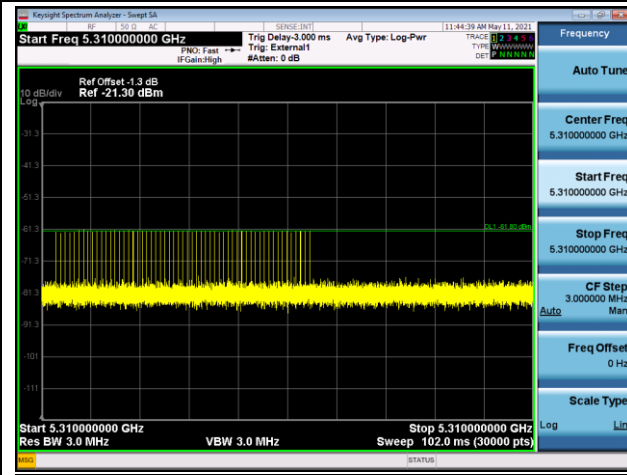


<40MHz / 5310MHz>

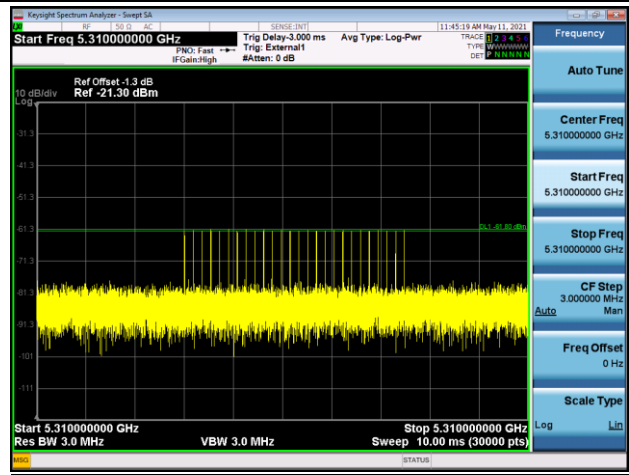
Radar Type 0



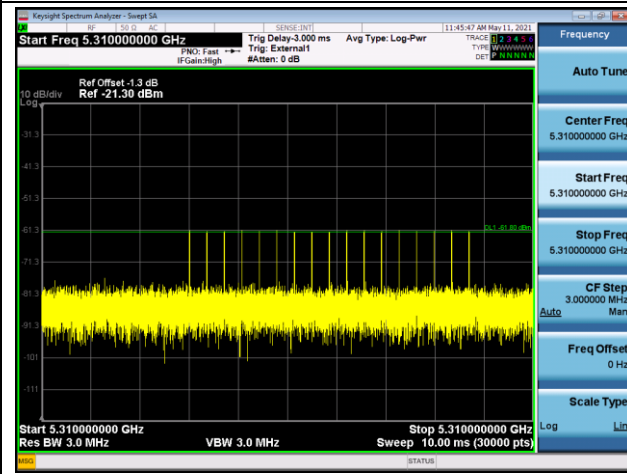
Radar Type 1



Radar Type 2



Radar Type 3

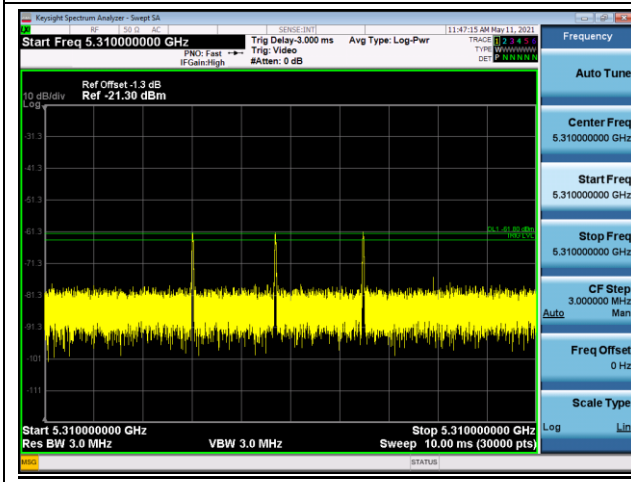


Radar Type 4

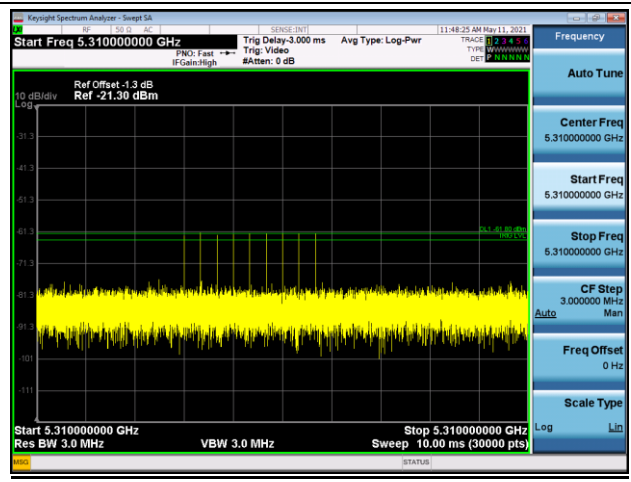




Single Burst of Radar Type 5

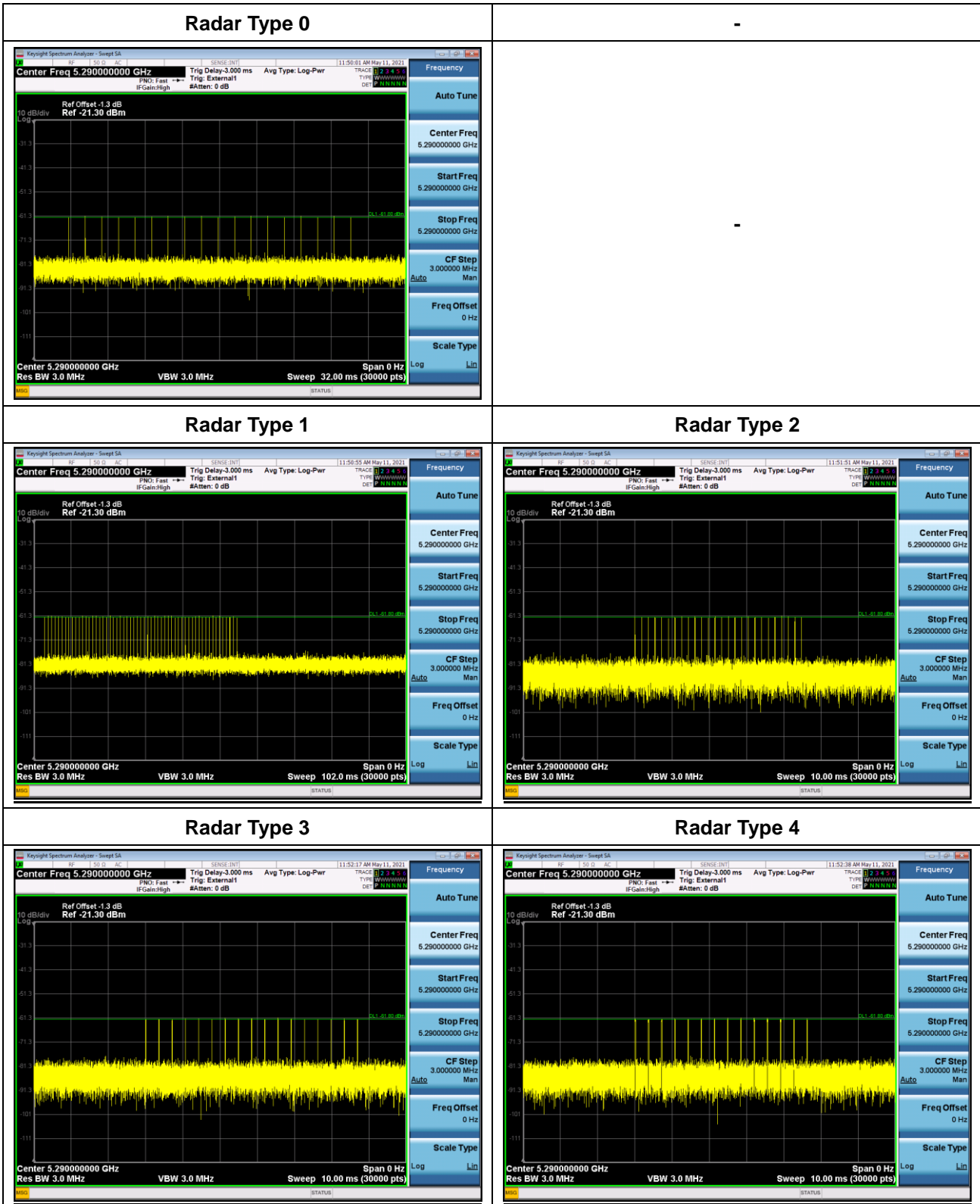


Single Burst of Radar Type 6



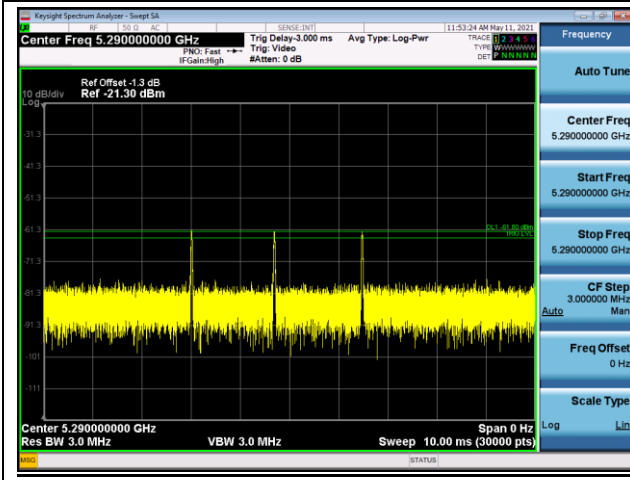


<80MHz / 5290MHz>

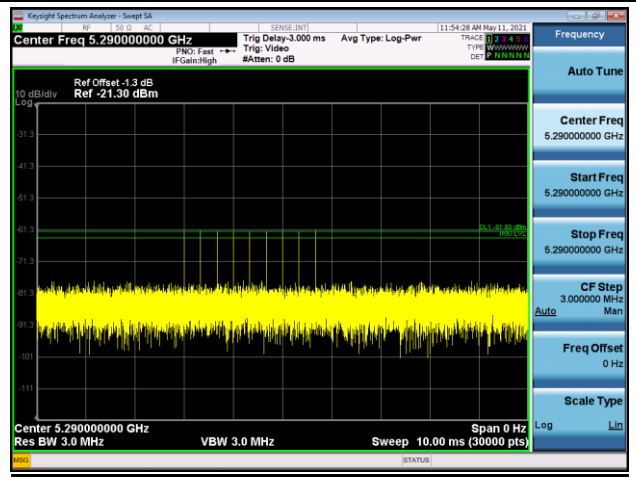




Single Burst of Radar Type 5



Single Burst of Radar Type 6



## 3.2 U-NII Detection Bandwidth

### 3.2.1 Limit of U-NII Detection Bandwidth

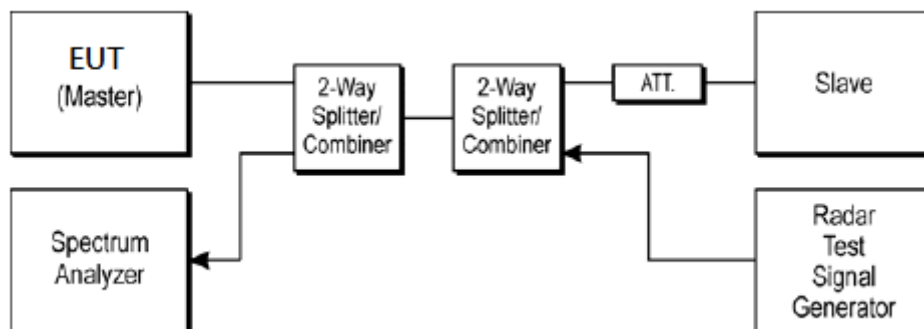
The U-NII Detection Bandwidth shall contain minimum 100% of the 99% power bandwidth. During the U-NII Detection Bandwidth detection test, radar type 0 is used and for each frequency step the minimum percentage of detection is 90%. Measurements are performed with no data traffic.

### 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 (MHz)	Fc	Trial Number (Detection = Y, No Detection = N)										Rate (%)	F <sub>H</sub> /F <sub>L</sub>
		1	2	3	4	5	6	7	8	9	10		
5290	-10	N	N	N	N	N	N	N	N	N	N	0	
5291	-9	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	F <sub>L</sub>
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	F <sub>H</sub>
5310	+10	N	N	N	N	N	N	N	N	N	N	0	

Detection Bandwidth = F<sub>H</sub> – F<sub>L</sub> = **5309 – 5291 = 18 MHz**  
EUT 99% Bandwidth = **17.565 MHz** (Refer to channel 60)



<40MHz / 5310MHz>

Frequency (MHz)	Fc	Trial Number (Detection = V, No Detection = N)										Rate (%)	F <sub>H</sub> /F <sub>L</sub>
		1	2	3	4	5	6	7	8	9	10		
5289	-21	N	N	N	N	N	N	N	N	N	N	0	
5290	-20	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	F <sub>L</sub>
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	F <sub>H</sub>
5331	+21	N	N	N	N	N	N	N	N	N	N	0	

Detection Bandwidth = F<sub>H</sub> – F<sub>L</sub> = **5330 – 5290 = 40 MHz**  
EUT 99% Bandwidth = **35.972 MHz** (Refer to channel 62)



<80MHz / 5290MHz>

Frequency (MHz)	Fc	Trial Number (Detection = V, No Detection = N)										Rate (%)	F <sub>H</sub> /F <sub>L</sub>
		1	2	3	4	5	6	7	8	9	10		
5249	-41	N	N	N	N	N	N	N	N	N	N	0	
5250	-40	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	F <sub>L</sub>
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	
5275	-15	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5380	-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	F <sub>H</sub>
5331	+41	N	N	N	N	N	N	N	N	N	N		

Detection Bandwidth = F<sub>H</sub> – F<sub>L</sub> = 5330 – 5250 = 80 MHz  
EUT 99% Bandwidth = 77.827 MHz (Refer to channel 58)



<160MHz/ 5250MHz>

Frequency (MHz)	Fc	Trial Number (Detection = V, No Detection = N)										Rate (%)	F <sub>H</sub> /F <sub>L</sub>
		1	2	3	4	5	6	7	8	9	10		
5249	-41	N	N	N	N	N	N	N	N	N	N	0	
5250	-40	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	F <sub>L</sub>
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	-40	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	
5275	-15	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5380	-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	F <sub>H</sub>
5331	+41	N	N	N	N	N	N	N	N	N	N		

Detection Bandwidth = F<sub>H</sub> – F<sub>L</sub> = 5330 – 5250 = 80 MHz

EUT 99% Bandwidth = 153.9 MHz (Refer to channel 50)

The Detection bandwidth 80MHz can cover 153.9 / 2 = 76.95 MHz

Detection Bandwidth of EUT is able to cover channel occupied bandwidth that fall in UNII-2A band.



### 3.3 Channel Availability Check

#### 3.3.1 Limit of Channel Availability Check

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

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

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

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

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

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

- (1) The Radar Waveform generator and EUT are connected using the applicable test setup and the power of the EUT is switched off.
- (2) The EUT is powered on at  $T_0$ .  $T_1$  denotes the instant when the EUT has completed its power-up sequence ( $T_{power\_up}$ ). The Channel Availability Check Time commences on Chr at instant  $T_1$  and will end no sooner than  $T_1 + T_{ch\_avail\_check}$ .
- (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.

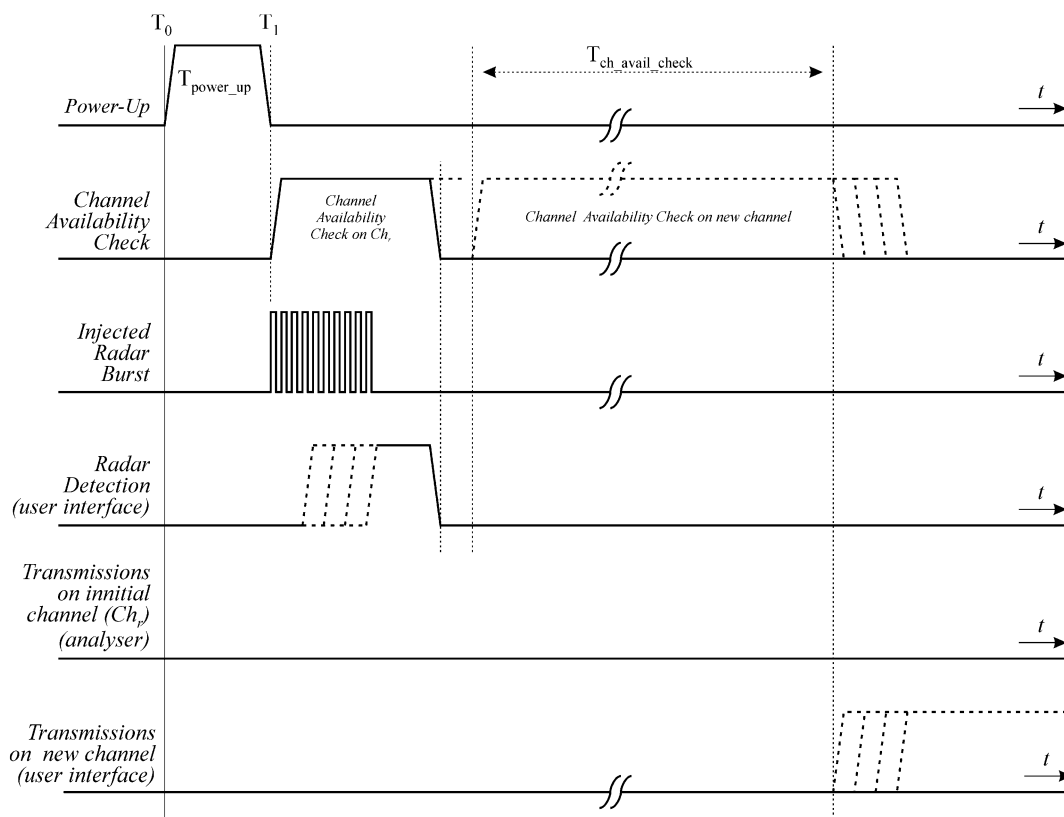


Figure 15: Example of timing for radar testing at the beginning of the Channel Availability Check Time

### 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 ( $T_{power\_up}$ ). The Channel Availability Check Time commences on Chr at instant  $T_1$  and will end no sooner than  $T_1 + T_{ch\_avail\_check}$ .
- (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.

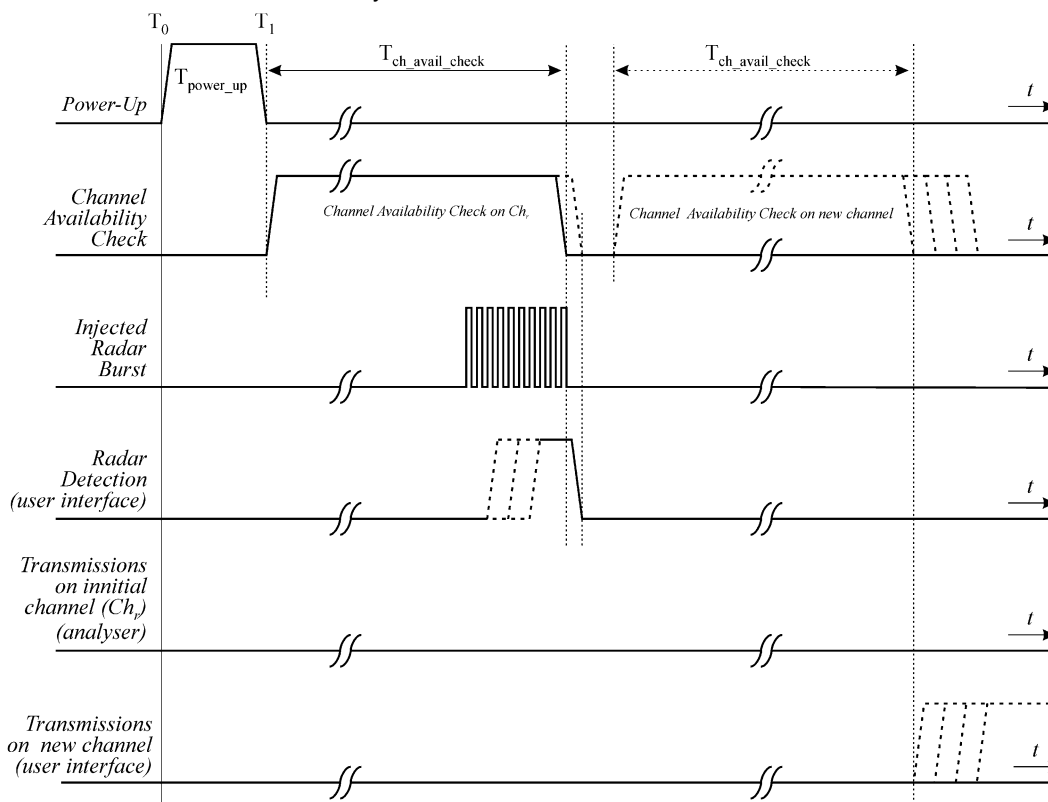
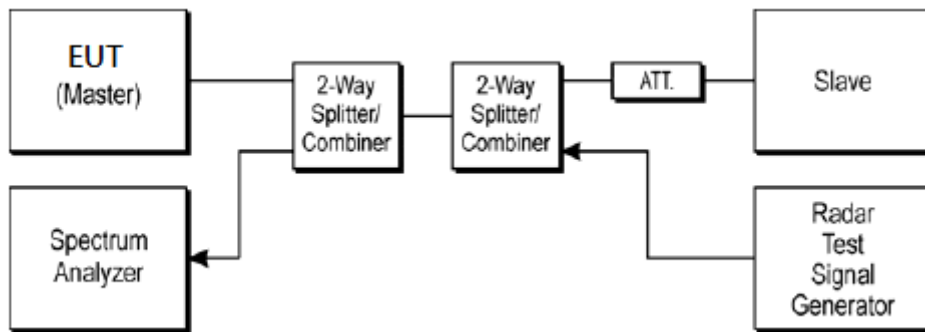


Figure 16: Example of timing for radar testing towards the end of the Channel Availability Check Time

### 3.3.5 Test Setup



### 3.3.6 Test Deviation

There is no deviation with the original standard.

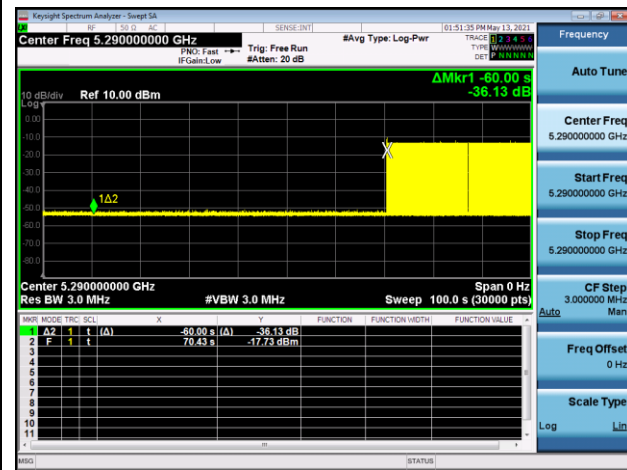




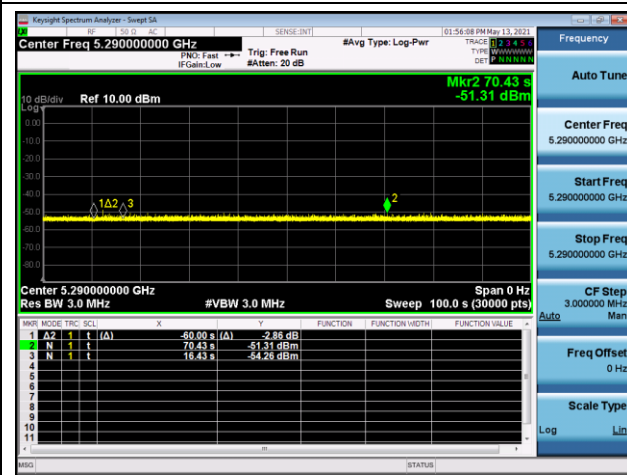
### 3.3.7 Result of Channel Availability Check Time

<160MHz / 5250MHz> radar signal was injected on frequency 5290 MHz

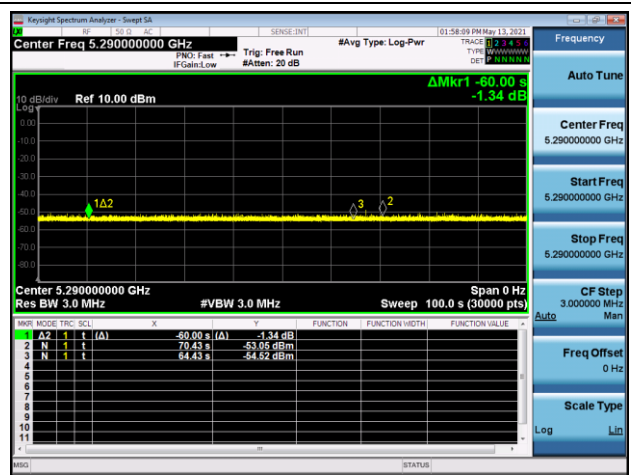
#### EUT Power up and Initial Channel Availability Check Time



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



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



- Marker 1 (Delta2): 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**

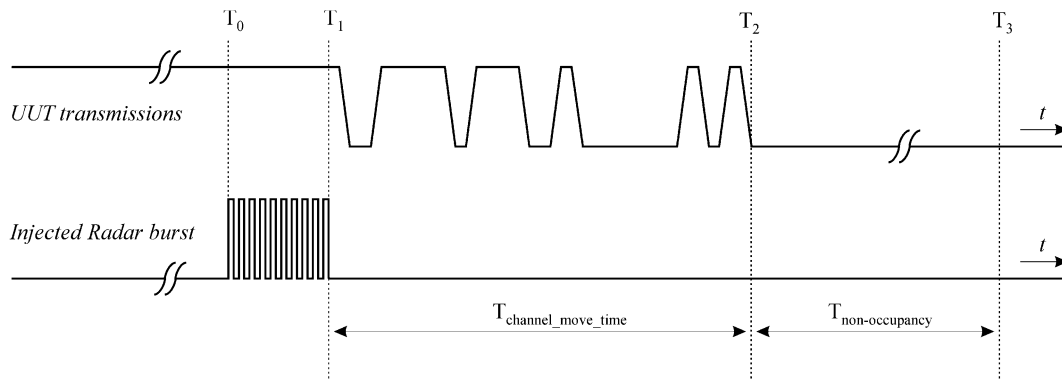
The EUT has In-Service Monitoring function to continuously monitor the radar signals, If radar is detected, it must leave the channel (Shutdown). The Channel Move Time to cease all transmissions on the current Channel upon detection of a Radar Waveform above the DFS Detection Threshold within 10 sec.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

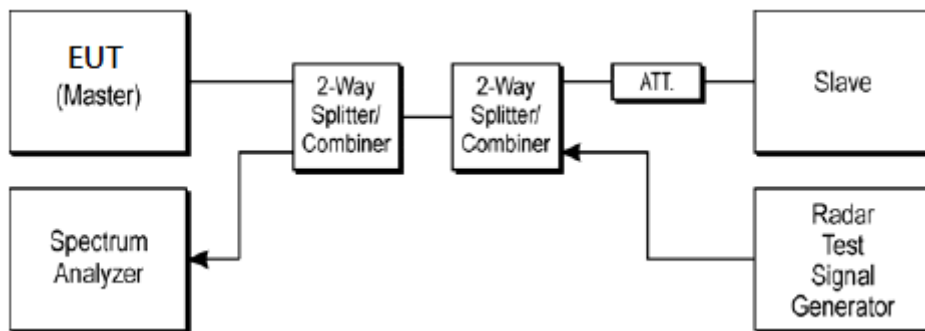
- (1) One frequency will be chosen from the Operating Channels of the EUT within the 5250-5350 MHz or 5470-5725 MHz bands. For 802.11 devices, the test frequency must contain control signals. This can be verified by disabling channel loading and monitoring the spectrum analyzer. If no control signals 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 T2 to verify that the EUT does not resume any transmissions on this Channel. Perform this test once and record the measurement result.



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

### 3.4.3 Test Setup



### 3.4.4 Test Deviation

There is no deviation with the original standard.



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

Test Mode :	Master	Temperature :	25~28.2°C
Test Engineer :	David Hung	Relative Humidity :	50~55%

BW / Channel	Test Item	Test Result	Limit	Pass/Fail
160MHz/ 5250MHz	Channel Move Time	0.9454 s	< 10s	Pass
	Channel Closing Transmission Time	200ms + 9.2011 ms	< 260ms	Pass
	Non-Occupancy Period	≥ 30	≥ 30 min	Pass

**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.

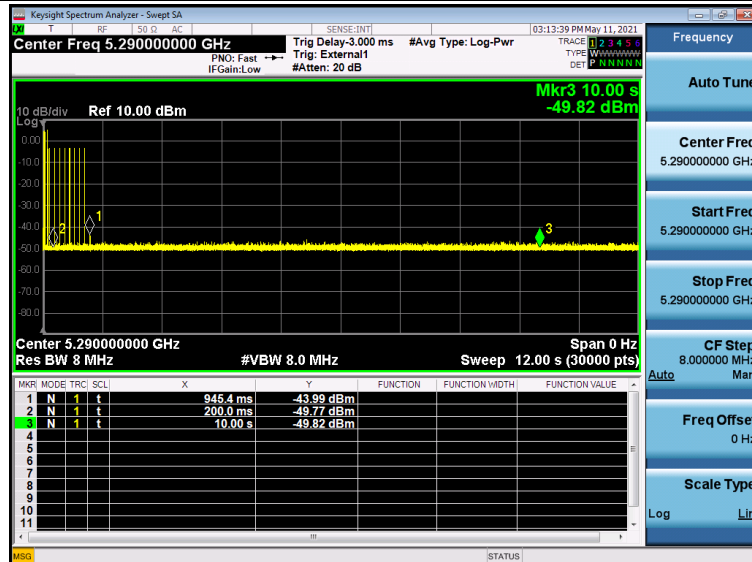
**Note:** radar signal was injected on frequency 5290 MHz



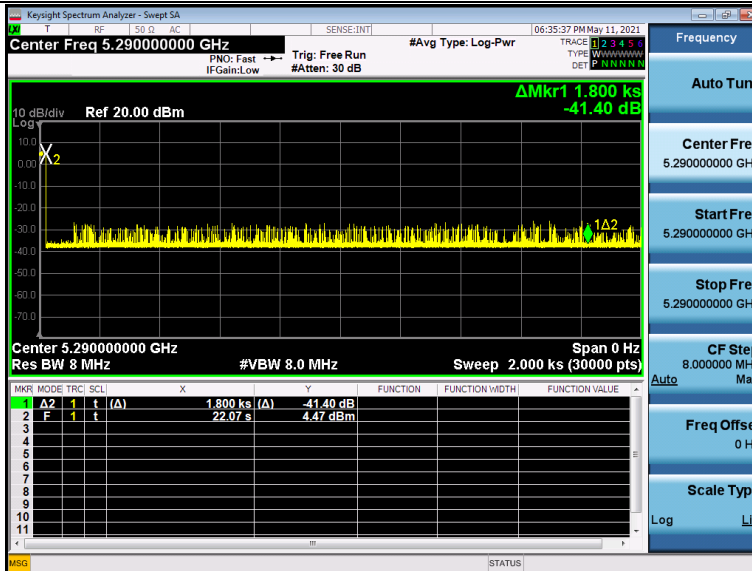
### 3.4.6 Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period Test Plots

**<160MHz / 5250MHz> In-Service Monitoring**  
(radar signal was injected on frequency 5290 MHz)

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



#### Non-Occupancy Period



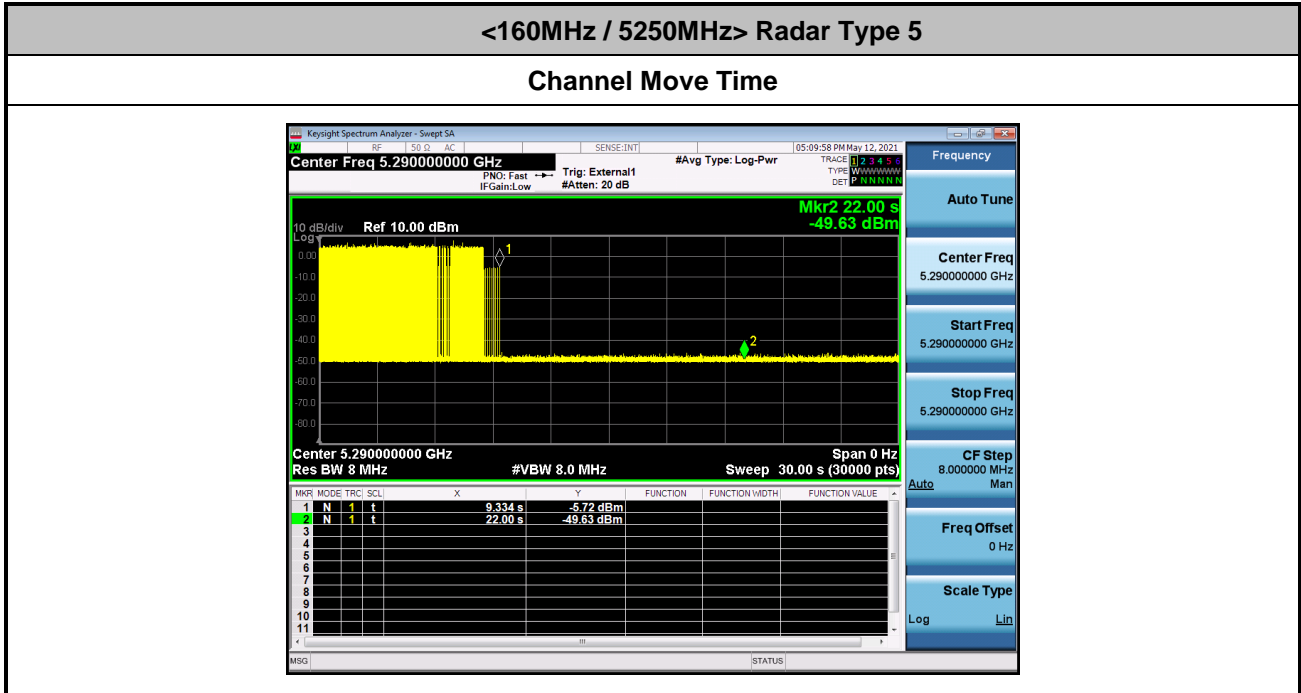
**Note:**

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

Channel Closing Transmission Time ( 200 + 9.2011 ms) = 200 + Number (23) X Dwell (0.4 ms) < 260ms



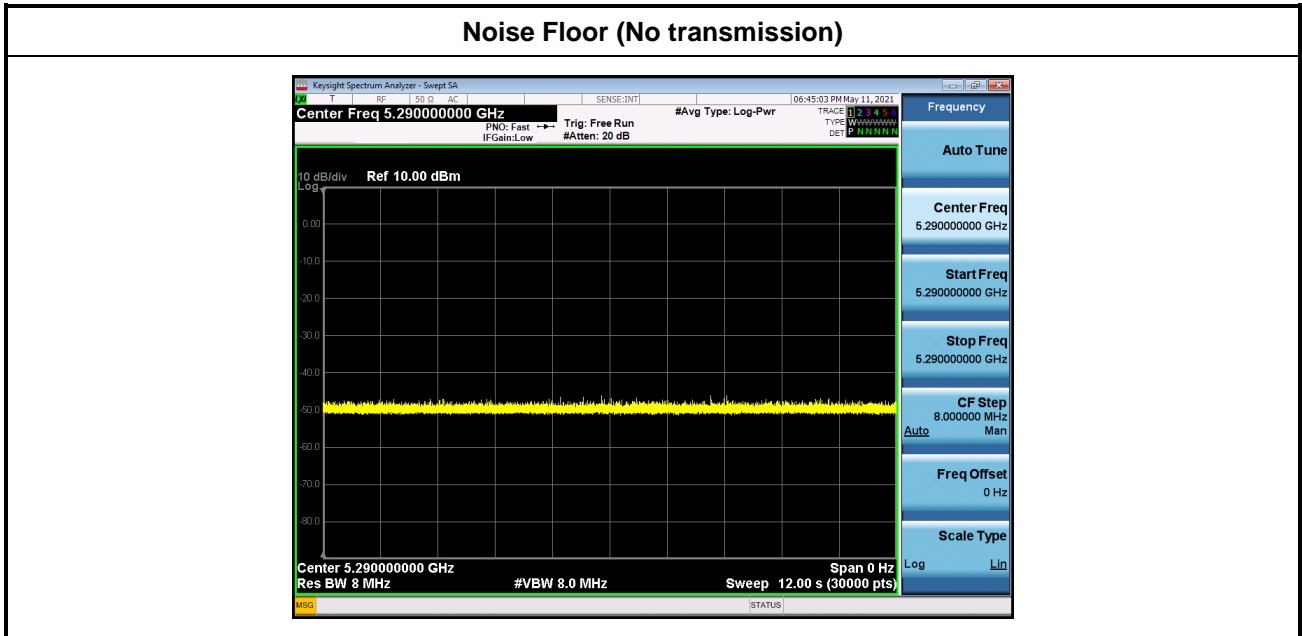
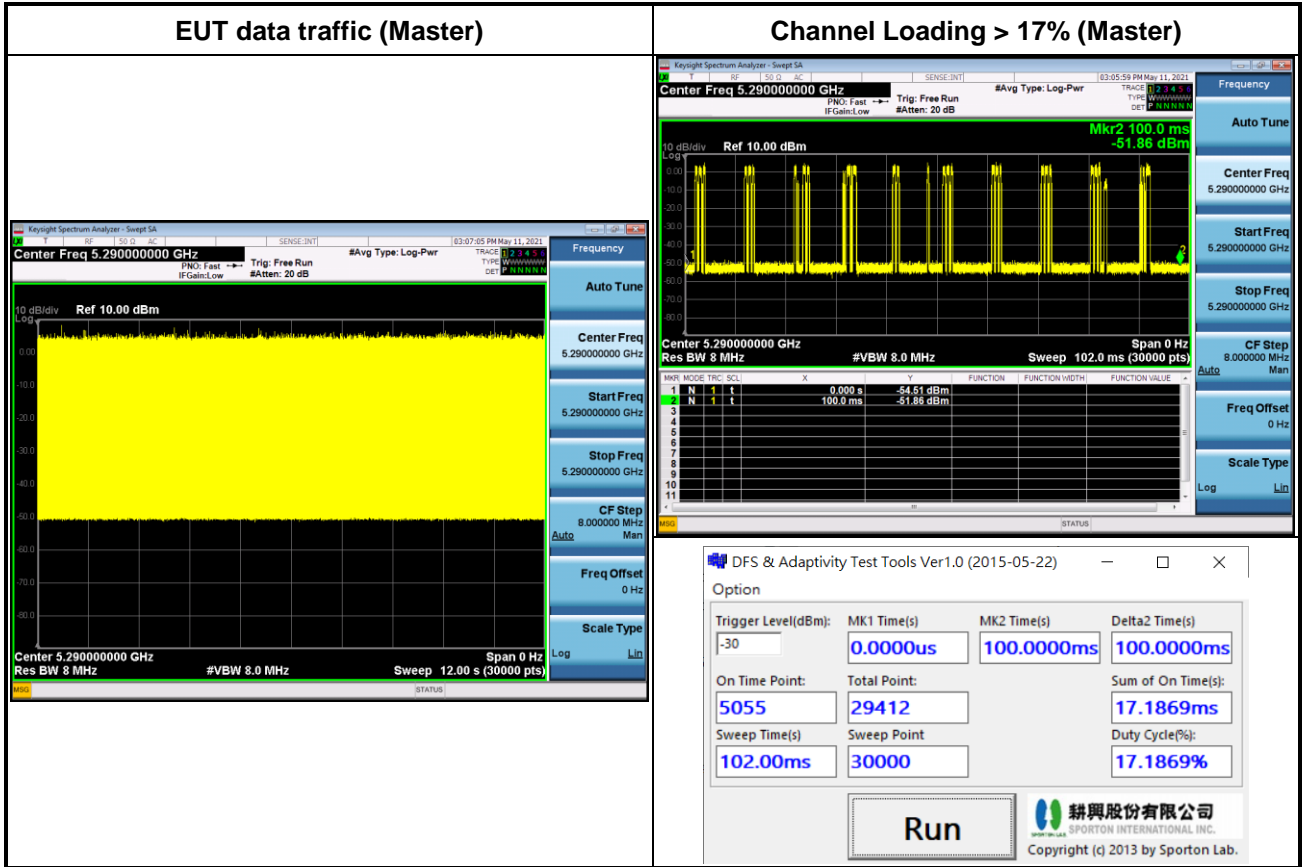
### 3.4.7 Long Pulsed Radar Type Channel Move Time Test Plots (22second)



Note: radar signal was injected on frequency 5290 MHz



### 3.4.8 Data Traffic Channel Loading and Noise Floor Plots





### 3.5 Statistical Performance Check

#### 3.5.1 Limit of Statistical Performance Check

##### Short Pulse Radar Test

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

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

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 (µsec)	PRI (µsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
1	1	1428	18	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120





A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 1 through 4. For Short Pulse Radar Type 0, the same waveform is used a minimum of 30 times. If more than 30 waveforms are used for Short Pulse Radar Types 1 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms.

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



**Long Pulse Radar Test**

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

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

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

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

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

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

- a) The 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).

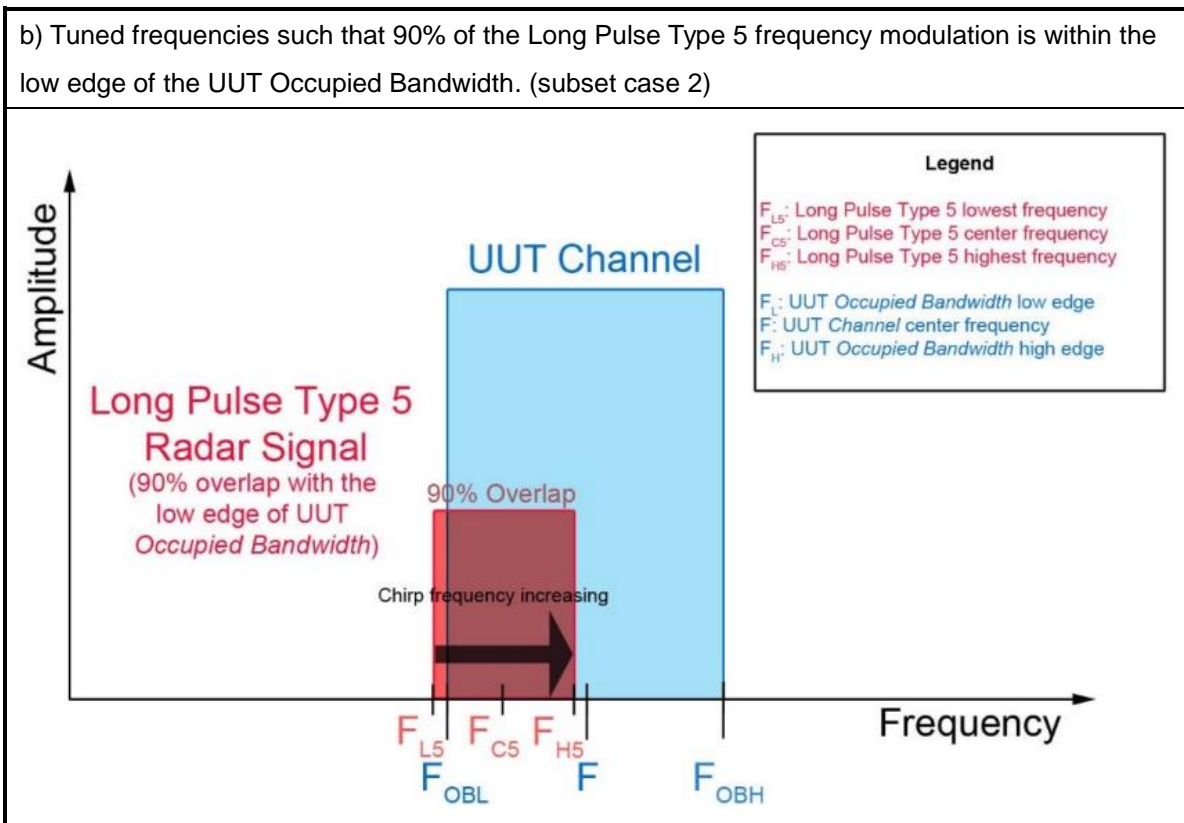
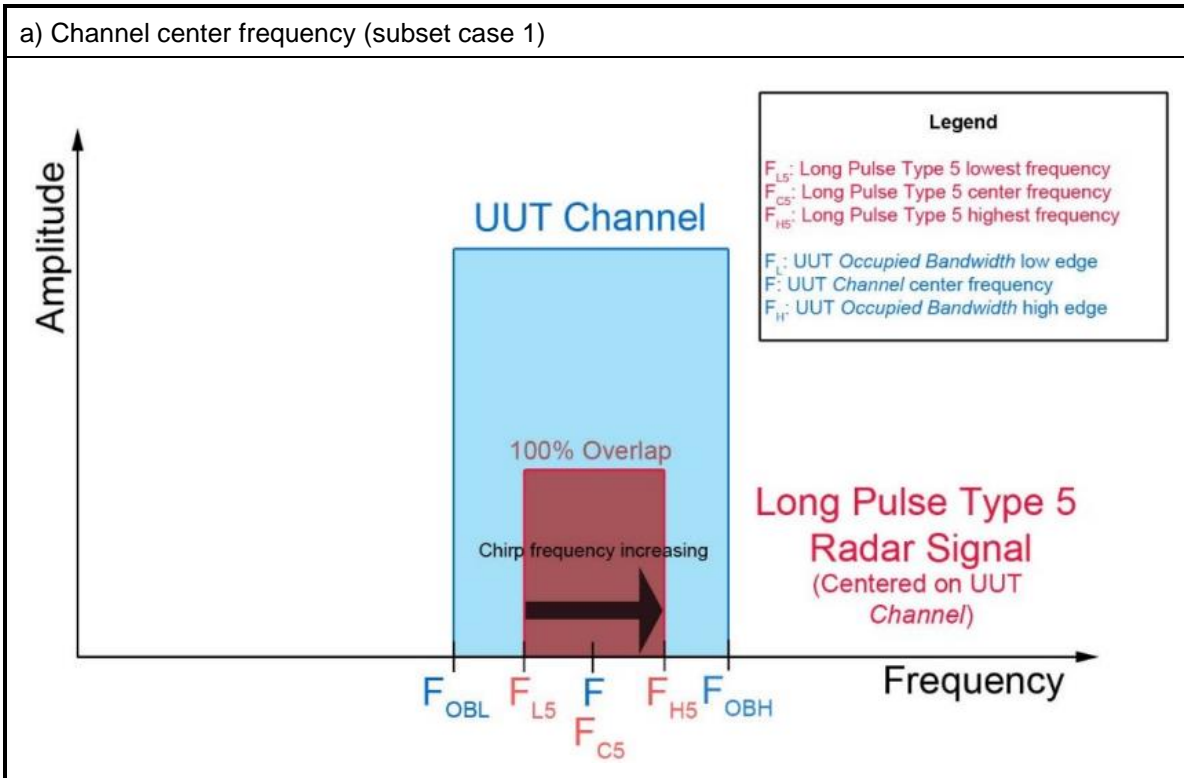
For subset case 1: the center frequency of the signal generator will remain fixed at the center of the UUT Channel.

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.

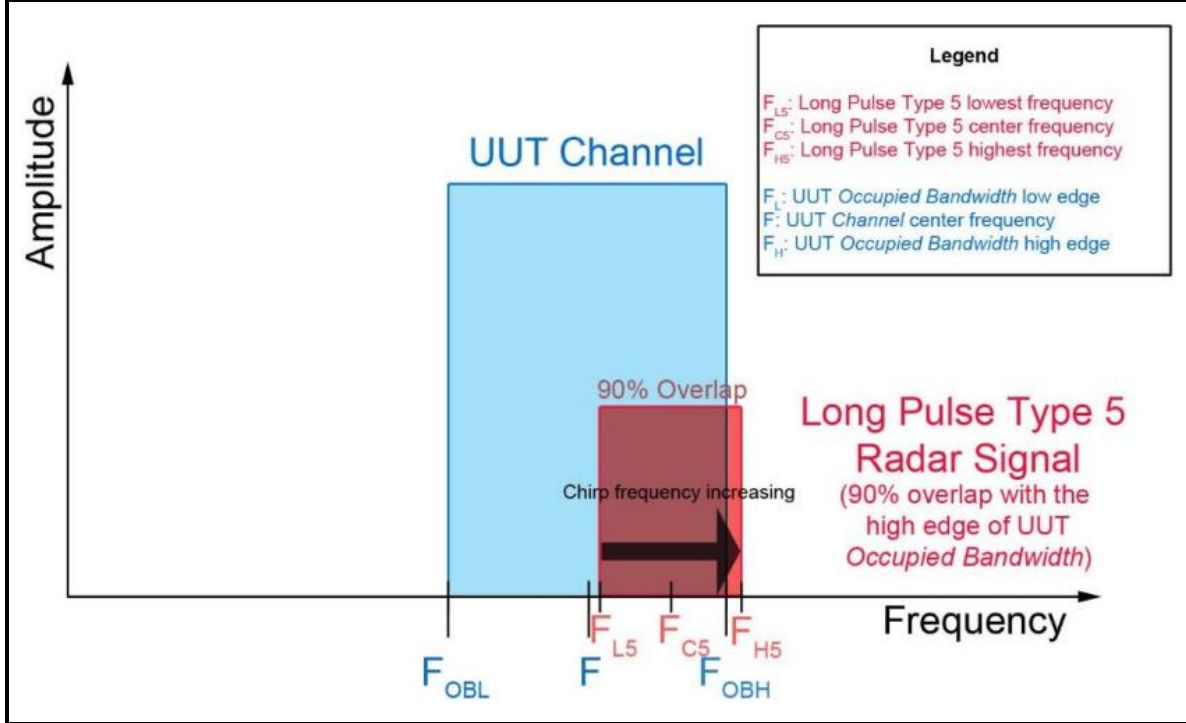
The center frequency of the signal generator for each trial is calculated by:  $FL + (0.4 * Chirp Width [in MHz])$

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:  $FH - (0.4 * Chirp Width [in MHz])$



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



The percentage of successful detection is calculated by:

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



**Frequency Hopping Radar Test**

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

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

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

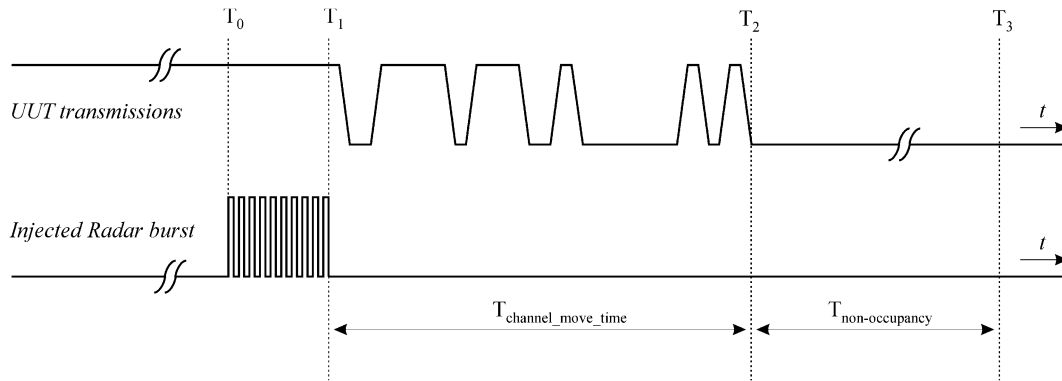
Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

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

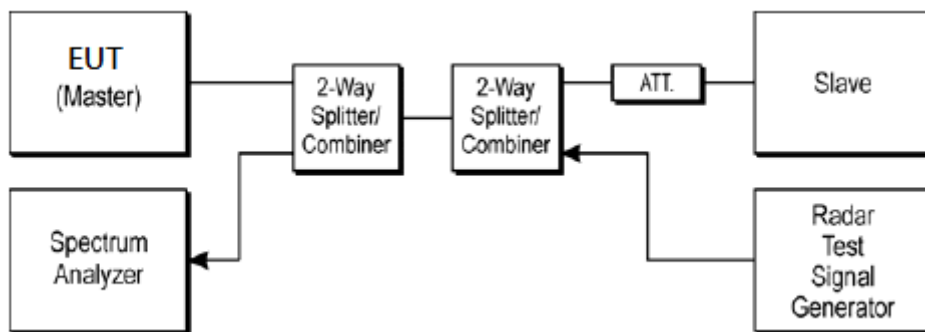
The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250 – 5724 MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group. This process continues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

### 3.5.2 Test Procedures

- (1) One frequency will be chosen from the Operating Channels of the EUT within the 5250-5350 MHz or 5470-5725 MHz bands.
- (2) In case the EUT is a Master Device, a U-NII device operating as a Client Device will be used and it is assumed that the Client will associate with the EUT (Master). If the Master Device has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing.
- (3) The TCP protocol unicast data stream was generated by the iperf software command line with at least 17% activity ratio over any 100ms period.
- (4) At time  $T_0$  the Radar Waveform generator sends a Burst of pulses for each of the Radar Types 1-6 at DFS Detection Threshold levels on the Operating Channel. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
- (5) Observe the transmissions of the EUT at the end of the Burst on the Operating Channel for duration greater than 10 seconds for Short Pulse Radar Types 1-4 and 6 to ensure detection occurs.
- (6) Observe the transmissions of the EUT at the end of the Burst on the Operating Channel for duration greater than 22 seconds for Long Pulse Radar Type 5 to ensure detection occurs.



### 3.5.3 Test Setup



### 3.5.4 Test Deviation

There is no deviation with the original standard.



3.5.5 Result of Statistical Performance Check

<20MHz / 5300MHz>

(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	N	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	N	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	N
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	N	Y	Y	Y	Y
24	Y	Y	Y	Y	Y	Y
25	Y	Y	Y	Y	Y	Y
26	Y	Y	Y	N	Y	Y
27	Y	Y	N	Y	Y	Y
28	Y	Y	Y	Y	Y	Y
29	Y	Y	Y	Y	Y	Y
30	Y	Y	Y	Y	Y	Y
<b>Trial of Detection</b>	<b>30/30</b>	<b>29/30</b>	<b>28/30</b>	<b>28/30</b>	<b>30/30</b>	<b>29/30</b>
<b>Probability (%)</b>	<b>100%</b>	<b>96.67%</b>	<b>93.33%</b>	<b>93.33%</b>	<b>100%</b>	<b>96.67%</b>
<b>Limit (%)</b>	<b>&gt;= 60%</b>	<b>&gt;= 60%</b>	<b>&gt;= 60%</b>	<b>&gt;= 60%</b>	<b>&gt;= 80%</b>	<b>&gt;= 70%</b>
<b>Average Probability of Radar Type 1~4 (%)</b>	<b>95.83% ( &gt;=80% )</b>					



<40MHz /5310MHz>

(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	N	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	N	N	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	N	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	N	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
<b>Trial of Detection</b>	<b>30/30</b>	<b>29/30</b>	<b>30/30</b>	<b>27/30</b>	<b>29/30</b>	<b>30/30</b>
<b>Probability (%)</b>	<b>100%</b>	<b>96.67%</b>	<b>100%</b>	<b>90%</b>	<b>96.67%</b>	<b>100%</b>
<b>Limit (%)</b>	<b>&gt;= 60%</b>	<b>&gt;= 60%</b>	<b>&gt;= 60%</b>	<b>&gt;= 60%</b>	<b>&gt;= 80%</b>	<b>&gt;= 70%</b>
<b>Average Probability of Radar Type 1~4 (%)</b>				<b>96.67% ( &gt;=80% )</b>		





<80MHz / 5290MHz>

(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	N	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	N	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	N	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	N	Y	Y	Y	Y	Y
22	Y	Y	Y	Y	Y	Y
23	Y	Y	Y	Y	Y	Y
24	N	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
<b>Trial of Detection</b>	<b>28/30</b>	<b>30/30</b>	<b>29/30</b>	<b>29/30</b>	<b>29/30</b>	<b>30/30</b>
<b>Probability (%)</b>	<b>93.33%</b>	<b>100%</b>	<b>96.67%</b>	<b>96.67%</b>	<b>96.67%</b>	<b>100%</b>
<b>Limit (%)</b>	<b>&gt;= 60%</b>	<b>&gt;= 60%</b>	<b>&gt;= 60%</b>	<b>&gt;= 60%</b>	<b>&gt;= 80%</b>	<b>&gt;= 70%</b>
<b>Average Probability of Radar Type 1~4 (%)</b>				<b>96.67% ( &gt;=80% )</b>		



<160MHz / 5250MHz> radar signal was injected on frequency 5290 MHz

(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	N	Y	Y	N	Y
10	Y	Y	N	Y	Y	Y
11	Y	Y	Y	Y	Y	Y
12	Y	Y	Y	N	N	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	N	Y	Y	Y	Y	Y
18	Y	Y	N	Y	Y	Y
19	Y	Y	Y	Y	Y	Y
20	N	Y	Y	Y	Y	Y
21	Y	Y	Y	N	N	Y
22	N	Y	Y	Y	Y	Y
23	Y	Y	Y	Y	Y	Y
24	Y	Y	Y	Y	Y	Y
25	Y	Y	Y	N	N	Y
26	Y	Y	Y	Y	Y	Y
27	N	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
<b>Trial of Detection</b>	<b>26/30</b>	<b>29/30</b>	<b>28/30</b>	<b>27/30</b>	<b>26/30</b>	<b>30/30</b>
<b>Probability (%)</b>	<b>86.67%</b>	<b>96.67%</b>	<b>93.33%</b>	<b>90%</b>	<b>86.67%</b>	<b>100%</b>
<b>Limit (%)</b>	<b>&gt;= 60%</b>	<b>&gt;= 60%</b>	<b>&gt;= 60%</b>	<b>&gt;= 60%</b>	<b>&gt;= 80%</b>	<b>&gt;= 70%</b>
<b>Average Probability of Radar Type 1~4 (%)</b>				<b>91.67% ( &gt;=80% )</b>		



## 4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Signal Generator	Keysight	N5182B	MY56200377	9kHz~6GHz	May 04, 2021	May 12, 2021	May 03, 2022	DFS (DFS02-HY)
Spectrum Analyzer	Keysight	N9010A	MY57120184	10Hz~7GHz	Nov. 17, 2020	May 12, 2021	Nov. 16, 2021	DFS (DFS02-HY)
Power Divider	MVE	MVE8546	A702488	0.5GHz-6GHz	Calibration from System	May 12, 2021	Calibration from System	DFS (DFS02-HY)
Power Divider	Woken	0120A040518 01O	DCMB1CW3 A7	0.5-18GHz	Calibration from System	May 12, 2021	Calibration from System	DFS (DFS02-HY)
Power Divider	MCLI	PS4-16	25142	2GHz-8GHz	Calibration from System	May 12, 2021	Calibration from System	DFS (DFS02-HY)
RF Cable	MVE	SPF-141/1M	#13	30 kHz~18GHz	Calibration from System	May 12, 2021	Calibration from System	DFS (DFS02-HY)
RF Cable	MVE	SPF-141/1M	#14	30 kHz~18GHz	Calibration from System	May 12, 2021	Calibration from System	DFS (DFS02-HY)
RF Cable	MVE	SPF-141/1M	#15	30 kHz~18GHz	Calibration from System	May 12, 2021	Calibration from System	DFS (DFS02-HY)
RF Cable	MVE	SPF-141/1M	#16	30 kHz~18GHz	Calibration from System	May 12, 2021	Calibration from System	DFS (DFS02-HY)
RF Cable	MVE	SPF-141	MVE-150cm- #4	30 kHz~18GHz	Calibration from System	May 12, 2021	Calibration from System	DFS (DFS02-HY)
RF Cable	MVE	SPF-141	MVE-150cm- #5	30 kHz~18GHz	Calibration from System	May 12, 2021	Calibration from System	DFS (DFS02-HY)
RF Cable	MVE	SPF-141	MVE-150cm- #6	30 kHz~18GHz	Calibration from System	May 12, 2021	Calibration from System	DFS (DFS02-HY)
RF Cable	HONOVA	MF141/2	#65	30 kHz~18GHz	Calibration from System	May 12, 2021	Calibration from System	DFS (DFS02-HY)
RF Cable	Woken	S05(100cm)	161202-04	30 kHz~18GHz	Calibration from System	May 12, 2021	Calibration from System	DFS (DFS02-HY)
RF Cable	Woken	S05(100cm)	161202-05	30 kHz~18GHz	Calibration from System	May 12, 2021	Calibration from System	DFS (DFS02-HY)

## Appendix A. DFS Radar Parameters

**DFS Radar Parameters**  
**FCC Radar Type 1**  
**Channel 50 Bandwidth 160MHz**

Trial #	Pulse Repetition Frequency Number (1 to 23)	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	6	1618.12	618	Yes
2	12	326.16	3066	Yes
3	15	1253.13	798	Yes
4	1	1930.50	518	Yes
5	3	1792.11	558	Yes
6	21	1089.32	918	Yes
7	2	1858.74	538	Yes
8	11	1392.76	718	Yes
9	5	1672.24	598	Yes
10	22	1066.10	938	Yes
11	8	1519.76	658	Yes
12	7	1567.40	638	Yes
13	9	1474.93	678	Yes
14	18	1165.50	858	Yes
15	16	1222.49	818	Yes
16		1173.71	852	Yes
17		461.89	2165	No
18		556.48	1797	Yes
19		1572.33	636	Yes
20		527.15	1897	No
21		825.76	1211	Yes
22		456.83	2189	No
23		963.39	1038	Yes
24		432.90	2310	Yes
25		821.69	1217	Yes
26		646.83	1546	Yes
27		364.96	2740	No
28		378.36	2643	Yes
29		656.17	1524	Yes
30		916.59	1091	Yes

**DFS Radar Parameters**  
**FCC Radar Type 2**  
**Channel 50 Bandwidth 160MHz**

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	29	4.50	223	Yes
2	27	3.40	165	Yes
3	24	1.80	160	Yes
4	24	1.60	184	Yes
5	25	2.70	176	Yes
6	25	2.30	158	Yes
7	25	2.50	157	Yes
8	26	2.80	220	Yes
9	24	1.90	161	No
10	27	3.30	214	Yes
11	26	3.20	164	Yes
12	23	1.00	197	Yes
13	29	4.90	174	Yes
14	28	4.10	203	Yes
15	26	3.10	206	Yes
16	28	4.20	162	Yes
17	27	3.70	194	Yes
18	28	4.00	175	Yes
19	24	1.60	190	Yes
20	28	4.20	177	Yes
21	26	3.00	218	Yes
22	28	3.90	183	Yes
23	26	3.00	170	Yes
24	27	3.70	230	Yes
25	27	3.50	205	Yes
26	28	4.10	202	Yes
27	23	1.30	226	Yes
28	27	3.50	201	Yes
29	28	4.30	188	Yes
30	27	3.70	168	Yes

**DFS Radar Parameters**  
**FCC Radar Type 3**  
**Channel 50 Bandwidth 160MHz**

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	18	9.50	450	Yes
2	17	8.40	240	Yes
3	16	6.80	474	Yes
4	16	6.60	263	Yes
5	17	7.70	488	Yes
6	17	7.30	467	Yes
7	17	7.50	310	Yes
8	17	7.80	447	Yes
9	16	6.90	412	Yes
10	17	8.30	350	No
11	17	8.20	336	Yes
12	16	6.00	384	Yes
13	18	9.90	377	Yes
14	18	9.10	210	Yes
15	17	8.10	443	Yes
16	18	9.20	206	Yes
17	17	8.70	395	Yes
18	18	9.00	343	No
19	16	6.60	414	Yes
20	18	9.20	262	Yes
21	17	8.00	387	Yes
22	18	8.90	382	Yes
23	17	8.00	225	Yes
24	18	8.70	300	Yes
25	17	8.50	315	Yes
26	18	9.10	492	Yes
27	16	6.30	462	Yes
28	17	8.50	400	Yes
29	18	9.30	346	Yes
30	18	8.70	214	Yes

**DFS Radar Parameters**  
**FCC Radar Type 4**  
**Channel 50 Bandwidth 160MHz**

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	16	18.80	450	Yes
2	14	16.30	240	Yes
3	13	12.90	474	Yes
4	12	12.50	263	Yes
5	14	14.80	488	Yes
6	13	14.00	467	Yes
7	13	14.40	310	Yes
8	14	15.00	447	Yes
9	13	13.10	412	Yes
10	14	16.20	350	Yes
11	14	15.90	336	Yes
12	12	11.00	384	No
13	16	19.80	377	Yes
14	15	17.80	210	Yes
15	14	15.80	443	Yes
16	15	18.10	206	Yes
17	15	17.00	395	Yes
18	15	17.70	343	Yes
19	12	12.30	414	Yes
20	16	18.20	262	Yes
21	14	15.40	387	No
22	15	17.50	382	Yes
23	14	15.60	225	Yes
24	15	17.10	300	Yes
25	15	16.60	315	No
26	15	18.00	492	Yes
27	12	11.80	462	Yes
28	15	16.70	400	Yes
29	16	18.40	346	Yes
30	15	17.10	214	Yes

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 50 Bandwidth 160MHz**

Trial Number:			1			Detection (Yes/No)
Number of Bursts in Trial:			19			
Chirp Center Frequency:			5290			
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	93.3	18	1096	1652	67813
2	2	79.4	18	1064	-	220548
3	1	60.6	18	-	-	373921
4	1	58.5	18	-	-	526636
5	2	71.3	18	1374	-	49152
6	2	66.8	18	1082	-	201691
7	2	68.9	18	1955	-	353555
8	2	72.3	18	1707	-	506705
9	1	61.8	18	-	-	30460
10	2	78.9	18	1371	-	182826
11	2	77.1	18	1396	-	335561
12	1	50	18	-	-	488987
13	3	98.5	18	1211	1648	11592
14	3	87.9	18	1336	1398	163846
15	2	76.7	18	1080	-	316687
16	3	89.4	18	1195	1190	468594
17	2	83.3	18	1598	-	621430
18	3	87	18	1481	1859	144974
19	1	57.5	18	-	-	298507
20						

Trial Number:			2			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5290			
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	90	14	1363	1353	570095
2	2	74.6	14	1092	-	764596
3	3	86.2	14	1958	1306	160128
4	2	75.6	14	1821	-	353659
5	3	84	14	1180	1274	546581
6	2	80.9	14	1480	-	740244
7	3	89	14	1305	1846	136359
8	1	54.5	14	-	-	330362
9	2	81.7	14	1657	-	523256
10	3	91	14	1811	1071	714819
11	3	83.9	14	1505	1529	112628
12	1	61.8	14	-	-	306804
13	2	78.7	14	1357	-	499270
14	2	69.6	14	1479	-	693114
15	3	83.4	14	1323	1076	88838
16						
17						
18						
19						
20						



**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 50 Bandwidth 160MHz**

Trial Number:			3			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5290			
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	78.6	8	1043	-	424290
2	3	88.2	8	1650	1308	713095
3	2	71.5	8	1827	-	1004138
4	2	79.8	8	1832	-	97873
5	1	65.8	8	-	-	388705
6	2	68.4	8	1850	-	678077
7	1	56.3	8	-	-	969940
8	1	62.9	8	-	-	62177
9	2	81.4	8	1200	-	352583
10	2	78.5	8	1855	-	642502
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Trial Number:			4			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5290			
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	70.6	7	1567	-	932820
2	1	54.5	7	-	-	26396
3	3	92.4	7	1589	1629	316214
4	2	82.2	7	1942	-	606645
5	1	57.3	7	-	-	898201
6	2	71.4	7	1279	-	1187383
7	1	57.9	7	-	-	281160
8	1	52.8	7	-	-	571814
9	3	89.1	7	1233	1559	860442
10	3	88.5	7	1944	1232	1150525
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 50 Bandwidth 160MHz**

Trial Number:			5			Detection (Yes/No)
Number of Bursts in Trial:			13			
Chirp Center Frequency:			5290			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	54.8	11	-	-	188800
2	1	57.1	11	-	-	412069
3	1	53.8	11	-	-	635989
4	2	76.7	11	1317	-	857852
5	2	77.6	11	1885	-	160958
6	2	82.3	11	1764	-	384073
7	1	62.2	11	-	-	608268
8	3	87.3	11	1731	1061	829220
9	2	81.3	11	1881	-	133384
10	2	78	11	1352	-	356826
11	2	67	11	1623	-	579813
12	3	98.4	11	1097	1491	801611
13	2	80.5	11	1004	-	105980
14						
15						
16						
17						
18						
19						
20						

Trial Number:			6			Detection (Yes/No)
Number of Bursts in Trial:			12			
Chirp Center Frequency:			5290			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	65	10	-	-	357085
2	1	59.2	10	-	-	599475
3	3	88.5	10	1575	1285	838786
4	2	67.9	10	1709	-	85000
5	1	53.5	10	-	-	327224
6	2	71.2	10	1961	-	568533
7	3	89.2	10	1231	1361	809936
8	3	83.7	10	1273	1978	55187
9	1	61.6	10	-	-	297423
10	1	54.7	10	-	-	539886
11	3	97.1	10	1941	1986	778856
12	1	63.3	10	-	-	25532
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 50 Bandwidth 160MHz**

Trial Number:			7			Detection (Yes/No)
Number of Bursts in Trial:			12			
Chirp Center Frequency:			5290			
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	76.3	11	1870	-	267279
2	3	96.7	11	1946	1577	508310
3	2	72.4	11	1079	-	751342
4	2	74.3	11	1691	-	992638
5	2	69.6	11	1625	-	237561
6	2	76	11	1382	-	479391
7	1	59	11	-	-	721836
8	3	89.7	11	1729	1335	961805
9	2	81.1	11	1645	-	207654
10	2	78.5	11	1218	-	449634
11	2	71.5	11	1159	-	691623
12	3	84.4	11	1362	1349	931651
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Trial Number:			8			Detection (Yes/No)
Number of Bursts in Trial:			13			
Chirp Center Frequency:			5290			
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	94.8	12	1637	1970	163869
2	1	52.1	12	-	-	387914
3	3	83.5	12	1886	1548	609435
4	1	56.1	12	-	-	834662
5	2	69	12	1672	-	136629
6	2	81.7	12	1384	-	360064
7	1	53.4	12	-	-	583848
8	1	61.4	12	-	-	807127
9	2	72.2	12	1752	-	109161
10	2	74.1	12	1475	-	332489
11	2	77.3	12	1424	-	555284
12	2	72.9	12	1010	-	779336
13	2	68.9	12	1774	-	81685
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 50 Bandwidth 160MHz**

Trial Number:			9			Detection (Yes/No)
Number of Bursts in Trial:			11			
Chirp Center Frequency:			5290			
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	53.4	8	-	-	361009
2	1	54.4	8	-	-	624988
3	2	81.7	8	1208	-	888838
4	3	100	8	1059	1397	64125
5	1	54.8	8	-	-	328482
6	3	93.3	8	1732	1680	590709
7	1	52.3	8	-	-	856605
8	1	56.7	8	-	-	31691
9	1	63.3	8	-	-	296036
10	1	51.3	8	-	-	559990
11	3	85.7	8	1932	1525	821457
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Trial Number:			10			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5290			
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	89.9	14	1445	1701	795205
2	1	62.9	14	-	-	192944
3	1	61.7	14	-	-	386721
4	1	51.9	14	-	-	580638
5	1	58	14	-	-	773608
6	1	58.7	14	-	-	169262
7	3	99.4	14	1150	1608	361589
8	3	86.6	14	1597	1136	554918
9	3	87.8	14	1937	1403	746794
10	1	54.1	14	-	-	145420
11	2	73.1	14	1862	-	338076
12	1	51.4	14	-	-	532821
13	3	87.8	14	1649	1600	723676
14	2	83.1	14	1249	-	121286
15	1	64.6	14	-	-	315054
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 50 Bandwidth 160MHz**

Trial Number:			11			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5257			
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	79.9	13	1437	-	507880
2	1	51.2	13	-	-	702156
3	3	85.6	13	1036	1052	97392
4	3	91.1	13	1717	1721	290075
5	1	52.2	13	-	-	484839
6	2	69.4	13	1065	-	677387
7	3	99.5	13	1022	1741	73535
8	1	55.4	13	-	-	267386
9	1	66.1	13	-	-	461266
10	2	71.5	13	1654	-	653276
11	2	77.4	13	1730	-	49811
12	3	89.7	13	1853	1042	242746
13	2	76.3	13	1755	-	436174
14	3	85.3	13	1544	1413	628740
15	2	69.1	13	1888	-	25997
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Trial Number:			12			Detection (Yes/No)
Number of Bursts in Trial:			8			
Chirp Center Frequency:			5254			
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	77.6	5	1620	-	411857
2	2	81.5	5	1674	-	775049
3	1	50.8	5	-	-	1138987
4	3	97.8	5	1788	1747	4127
5	1	66.2	5	-	-	367635
6	1	56.1	5	-	-	731153
7	2	69.9	5	1417	-	1093704
8	1	51.4	5	-	-	1457595
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 50 Bandwidth 160MHz**

Trial Number:			13			Detection (Yes/No)
Number of Bursts in Trial:			20			
Chirp Center Frequency:			5260			
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	53.4	20	-	-	128920
2	1	63.5	20	-	-	273994
3	2	74.7	20	1713	-	417804
4	3	90.8	20	1337	1815	561703
5	3	85.1	20	1242	1370	110491
6	1	64.7	20	-	-	256355
7	2	80.3	20	1984	-	400076
8	1	52.9	20	-	-	546866
9	3	93.9	20	1230	1226	92823
10	2	66.8	20	1831	-	237745
11	3	90.2	20	1250	1792	381243
12	1	63.3	20	-	-	528982
13	1	51	20	-	-	75251
14	2	71.1	20	1635	-	219776
15	2	72.2	20	1380	-	365056
16	3	99.1	20	1003	1194	508768
17	1	66.3	20	-	-	57453
18	3	90.4	20	1332	1897	201333
19	1	57.5	20	-	-	347724
20	3	95.6	20	1333	1518	490637

Trial Number:			14			Detection (Yes/No)
Number of Bursts in Trial:			17			
Chirp Center Frequency:			5258			
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	80.5	17	1344	-	46429
2	2	80.7	17	1968	-	216667
3	2	69	17	1664	-	387292
4	2	73.1	17	1838	-	557201
5	1	51.2	17	-	-	25494
6	2	68.7	17	1644	-	195776
7	2	76.5	17	1610	-	366403
8	3	91.7	17	1582	1527	535733
9	1	50.5	17	-	-	4436
10	3	90	17	1912	1448	174500
11	2	66.8	17	1735	-	345397
12	1	58.5	17	-	-	517178
13	1	60	17	-	-	687828
14	3	99.9	17	1101	1522	153623
15	2	82.2	17	1402	-	324401
16	2	77.6	17	1468	-	495207
17	2	77.6	17	1077	-	665418
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 50 Bandwidth 160MHz**

Trial Number:		15				Detection (Yes/No)
Number of Bursts in Trial:		14				
Chirp Center Frequency:		5257				
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	78.6	13	1438	-	161495
2	1	64.4	13	-	-	369253
3	3	90.7	13	1921	1561	574534
4	3	85.8	13	1959	1869	780840
5	2	68.6	13	1696	-	135974
6	3	83.5	13	1834	1939	342234
7	2	72.9	13	1113	-	550387
8	3	86.1	13	1341	1840	756294
9	2	72	13	1405	-	110471
10	2	68	13	1562	-	317782
11	1	56.4	13	-	-	525591
12	1	59.2	13	-	-	733184
13	1	51.7	13	-	-	85098
14	2	81.5	13	1282	-	292037
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Trial Number:		16				Detection (Yes/No)
Number of Bursts in Trial:		18				
Chirp Center Frequency:		5258				
Burst	Number of Pulses	Pulse Width (Microseconds )	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	75.8	17	1619	-	387833
2	3	98.7	17	1895	1684	547120
3	2	74.4	17	1655	-	46171
4	2	71	17	1593	-	207220
5	2	72.8	17	1738	-	367953
6	3	94.5	17	1133	1843	528140
7	1	51.6	17	-	-	26404
8	3	89.6	17	1560	1695	186841
9	1	66.4	17	-	-	349231
10	3	88.2	17	1013	1467	508439
11	3	88.6	17	1668	1783	6505
12	1	52.3	17	-	-	167889
13	1	53.8	17	-	-	329155
14	1	50	17	-	-	490502
15	2	81.6	17	1784	-	650506
16	1	53.3	17	-	-	147890
17	1	51.2	17	-	-	309174
18	3	89	17	1441	1768	468165
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 50 Bandwidth 160MHz**

Trial Number:		17				Detection (Yes/No)
Number of Bursts in Trial:		16				
Chirp Center Frequency:		5258				
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	94.7	15	1326	1778	708585
2	2	71.5	15	1931	-	143814
3	3	87.7	15	1836	1584	324161
4	2	76	15	1651	-	506091
5	2	66.8	15	1400	-	687542
6	1	59.7	15	-	-	121861
7	1	61.9	15	-	-	303456
8	3	97.2	15	1037	1591	483459
9	3	96.2	15	1342	1298	664031
10	3	87	15	1595	1258	99132
11	2	79.2	15	1054	-	280589
12	1	50.6	15	-	-	462560
13	2	70	15	1488	-	643114
14	2	82.5	15	1604	-	76967
15	3	98.8	15	1162	1773	257573
16	1	58.5	15	-	-	439873
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Trial Number:		18				Detection (Yes/No)
Number of Bursts in Trial:		17				
Chirp Center Frequency:		5258				
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	91	16	1566	1433	582651
2	1	59.9	16	-	-	51506
3	3	85.6	16	1171	1247	221657
4	2	78.8	16	1244	-	392444
5	1	59.3	16	-	-	564123
6	2	83.2	16	1966	-	30356
7	2	75.9	16	1669	-	200871
8	3	89.1	16	1386	1781	370403
9	3	98.1	16	1120	1401	540811
10	1	52.4	16	-	-	9419
11	3	97.3	16	1947	1748	179240
12	1	66.2	16	-	-	351161
13	2	79.6	16	1125	-	521383
14	2	72.8	16	1536	-	691566
15	1	54.5	16	-	-	159271
16	2	68.7	16	1277	-	329316
17	2	66.8	16	1047	-	500127
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 50 Bandwidth 160MHz**

Trial Number:		19				Detection (Yes/No)
Number of Bursts in Trial:		9				
Chirp Center Frequency:		5254				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	67.5	7	1205	-	1269141
2	1	64.6	7	-	-	261178
3	2	80.3	7	1476	-	583510
4	3	93.8	7	1839	1997	904686
5	3	99.9	7	1199	1376	1227728
6	2	81.8	7	1817	-	221085
7	1	64.6	7	-	-	544388
8	1	59.1	7	-	-	867459
9	2	75.7	7	1350	-	1189236
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Trial Number:		20				Detection (Yes/No)
Number of Bursts in Trial:		18				
Chirp Center Frequency:		5258				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	98.3	17	1845	1017	90275
2	1	64.6	17	-	-	251942
3	1	60.3	17	-	-	413622
4	1	65.7	17	-	-	574596
5	2	68.1	17	1134	-	70714
6	1	56.1	17	-	-	232082
7	1	53.6	17	-	-	393547
8	3	95.4	17	1549	1331	552076
9	1	59	17	-	-	51013
10	2	71.7	17	1962	-	211766
11	2	67.7	17	1653	-	372732
12	2	72.4	17	1980	-	533639
13	2	79.7	17	1068	-	31082
14	1	61.4	17	-	-	192417
15	3	95.6	17	1269	1111	352614
16	3	98.7	17	1706	1466	512899
17	2	78	17	1615	-	11221
18	1	64.3	17	-	-	172613
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 50 Bandwidth 160MHz**

Trial Number:		21				Detection (Yes/No)
Number of Bursts in Trial:		14				
Chirp Center Frequency:		5324				
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	62.5	12	-	-	429459
2	3	95.8	12	1391	1063	635373
3	2	67.5	12	1204	-	842986
4	2	73.4	12	1411	-	196033
5	2	82.5	12	1141	-	403261
6	1	60.5	12	-	-	611418
7	3	83.9	12	1503	1689	815471
8	1	52.5	12	-	-	170915
9	2	67.9	12	1700	-	377461
10	2	68.5	12	1412	-	585223
11	1	64.7	12	-	-	793466
12	3	91.2	12	1462	1642	144855
13	2	78.1	12	1564	-	352375
14	2	71	12	1243	-	559672
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Trial Number:		22				Detection (Yes/No)
Number of Bursts in Trial:		17				
Chirp Center Frequency:		5322				
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	69.6	16	1979	-	630513
2	3	83.7	16	1152	1837	98197
3	3	85	16	1127	1795	268113
4	1	61.2	16	-	-	439977
5	2	78.8	16	1745	-	609338
6	2	82.3	16	1443	-	77363
7	3	84.3	16	1327	1587	247348
8	3	91.1	16	1665	1073	417670
9	1	62.5	16	-	-	590203
10	3	84.3	16	1431	1123	56279
11	1	63.8	16	-	-	227331
12	2	82.8	16	1358	-	397253
13	1	51	16	-	-	568708
14	3	94.4	16	1348	1463	35283
15	3	87.8	16	1771	1478	205347
16	1	53.1	16	-	-	377293
17	3	84.8	16	1693	1129	545977
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 50 Bandwidth 160MHz**

Trial Number:		23				Detection (Yes/No)
Number of Bursts in Trial:		14				
Chirp Center Frequency:		5323				
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	95.2	13	1779	1299	17436
2	2	71.9	13	1662	-	224602
3	2	67.5	13	1031	-	432147
4	1	52	13	-	-	640045
5	1	63.4	13	-	-	847760
6	1	58.1	13	-	-	199351
7	2	74.9	13	1228	-	406211
8	2	82.2	13	1484	-	613632
9	3	99.8	13	1504	1737	818431
10	2	81.8	13	1861	-	173581
11	1	65.6	13	-	-	381508
12	3	88.2	13	1757	1094	586677
13	3	85.1	13	1262	1874	793896
14	2	80.7	13	1658	-	147977
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Trial Number:		24				Detection (Yes/No)
Number of Bursts in Trial:		16				
Chirp Center Frequency:		5322				
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	67.9	15	1714	-	310464
2	3	93.7	15	1611	1520	490490
3	3	96.7	15	1956	1723	670595
4	1	52.7	15	-	-	107425
5	3	96	15	1957	1495	287524
6	2	76.5	15	1704	-	469347
7	3	84.3	15	1130	1399	649619
8	2	69.8	15	1193	-	84912
9	3	95.7	15	1053	1432	265820
10	2	80	15	1345	-	447511
11	2	71.4	15	1805	-	627976
12	2	83.2	15	1222	-	62543
13	2	83.3	15	1161	-	243827
14	1	59.5	15	-	-	426016
15	3	99.7	15	1049	1449	605285
16	1	59.5	15	-	-	40314
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 50 Bandwidth 160MHz**

Trial Number:			25			Detection (Yes/No)
Number of Bursts in Trial:			16			
Chirp Center Frequency:			5323			
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	89.6	14	1217	1493	221161
2	1	64.7	14	-	-	403630
3	1	64.8	14	-	-	585036
4	3	83.8	14	1360	1229	17884
5	2	69.5	14	1985	-	198862
6	2	69.3	14	1500	-	380096
7	1	60.5	14	-	-	562198
8	2	68.9	14	1876	-	742377
9	1	56.2	14	-	-	177019
10	2	75.5	14	1009	-	358332
11	1	60	14	-	-	540464
12	2	79	14	1877	-	720227
13	2	79	14	1519	-	154374
14	1	50.4	14	-	-	336180
15	2	68.7	14	1898	-	516520
16	1	52.9	14	-	-	699385
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Trial Number:			26			Detection (Yes/No)
Number of Bursts in Trial:			18			
Chirp Center Frequency:			5322			
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	77.5	17	1050	-	117499
2	1	53.5	17	-	-	279154
3	3	95.9	17	1820	1026	438499
4	3	89.2	17	1928	1319	598740
5	1	54.3	17	-	-	97771
6	3	91.6	17	1377	1616	257902
7	3	91.9	17	1028	1058	419134
8	2	76.6	17	1157	-	581043
9	1	50.4	17	-	-	77879
10	2	75.4	17	1440	-	238903
11	2	76.2	17	1328	-	399671
12	3	87.6	17	1469	1291	559209
13	2	80.6	17	1090	-	57945
14	2	80.3	17	1612	-	218997
15	2	74.9	17	1307	-	379902
16	1	65.3	17	-	-	541836
17	2	82.5	17	1550	-	38096
18	3	90.3	17	1847	1634	198477
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 50 Bandwidth 160MHz**

Trial Number:			27			Detection (Yes/No)
Number of Bursts in Trial:			9			
Chirp Center Frequency:			5326			
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	92.3	6	1683	1521	720947
2	1	50.8	6	-	-	1045308
3	2	73.4	6	1618	-	36611
4	1	51.3	6	-	-	359614
5	1	61.2	6	-	-	682665
6	3	98.7	6	1378	1069	1003575
7	2	83.1	6	1780	-	1327374
8	2	77.7	6	1220	-	319530
9	3	96.6	6	1163	1460	641408
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Trial Number:			28			Detection (Yes/No)
Number of Bursts in Trial:			16			
Chirp Center Frequency:			5322			
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	70.5	15	1666	-	541939
2	1	66.4	15	-	-	724456
3	1	55.2	15	-	-	157440
4	3	90.8	15	1814	1678	337579
5	3	95.2	15	1212	1483	518265
6	1	61.2	15	-	-	702313
7	2	68.5	15	1318	-	134896
8	1	55.6	15	-	-	316653
9	2	79.8	15	1758	-	496708
10	1	63.7	15	-	-	679614
11	1	60.5	15	-	-	112720
12	1	55.2	15	-	-	294327
13	3	98.1	15	1914	1103	473806
14	2	72.9	15	1511	-	656132
15	3	88.2	15	1426	1184	90023
16	2	83.3	15	1485	-	271463
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 50 Bandwidth 160MHz**

Trial Number:		29				Detection (Yes/No)
Number of Bursts in Trial:		18				
Chirp Center Frequency:		5321				
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	94.1	18	1223	1617	401071
2	3	93.1	18	1091	1969	561948
3	2	73	18	1976	-	60241
4	3	88.3	18	1019	1227	221080
5	2	75.9	18	1072	-	382357
6	1	50.6	18	-	-	544432
7	3	94.8	18	1496	1769	40328
8	3	96.5	18	1016	1775	201125
9	3	88.8	18	1259	1387	361510
10	1	58.2	18	-	-	524727
11	2	67.9	18	1734	-	20617
12	2	79.6	18	1416	-	181695
13	2	76.1	18	1098	-	342901
14	3	92.3	18	1140	1526	502981
15	3	97.3	18	1474	1039	783
16	1	56	18	-	-	162199
17	2	76.6	18	1636	-	322602
18	3	95	18	1661	1920	482341
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Trial Number:		30				Detection (Yes/No)
Number of Bursts in Trial:		16				
Chirp Center Frequency:		5322				
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	71.3	15	1021	-	726479
2	1	60.1	15	-	-	160083
3	3	95.2	15	1224	1392	340319
4	3	84.6	15	1879	1253	521107
5	2	81	15	1109	-	703429
6	2	76.3	15	1033	-	137451
7	1	62.1	15	-	-	319352
8	2	74.6	15	1309	-	500226
9	3	95.2	15	1148	1185	680213
10	1	51.6	15	-	-	115286
11	2	72	15	1002	-	296287
12	3	85.1	15	1422	1414	476898
13	3	94.3	15	1739	1395	657030
14	2	77.9	15	1066	-	92833
15	3	85.2	15	1451	1290	273476
16	2	68	15	1303	-	455152
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**DFS Radar Parameters**  
**FCC Radar Type 1**  
**Channel 58 Bandwidth 80MHz**

Trial #	Pulse Repetition Frequency Number (1 to 23)	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	6	1618.12	618	Yes
2	12	326.16	3066	Yes
3	15	1253.13	798	Yes
4	1	1930.50	518	Yes
5	3	1792.11	558	Yes
6	21	1089.32	918	Yes
7	2	1858.74	538	Yes
8	11	1392.76	718	Yes
9	5	1672.24	598	Yes
10	22	1066.10	938	Yes
11	8	1519.76	658	Yes
12	7	1567.40	638	Yes
13	9	1474.93	678	Yes
14	18	1165.50	858	Yes
15	16	1222.49	818	Yes
16		1173.71	852	Yes
17		461.89	2165	Yes
18		556.48	1797	Yes
19		1572.33	636	Yes
20		527.15	1897	Yes
21		825.76	1211	No
22		456.83	2189	Yes
23		963.39	1038	Yes
24		432.90	2310	No
25		821.69	1217	Yes
26		646.83	1546	Yes
27		364.96	2740	Yes
28		378.36	2643	Yes
29		656.17	1524	Yes
30		916.59	1091	Yes

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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	29	4.50	223	Yes
2	27	3.40	165	Yes
3	24	1.80	160	Yes
4	24	1.60	184	Yes
5	25	2.70	176	Yes
6	25	2.30	158	Yes
7	25	2.50	157	Yes
8	26	2.80	220	Yes
9	24	1.90	161	Yes
10	27	3.30	214	Yes
11	26	3.20	164	Yes
12	23	1.00	197	Yes
13	29	4.90	174	Yes
14	28	4.10	203	Yes
15	26	3.10	206	Yes
16	28	4.20	162	Yes
17	27	3.70	194	Yes
18	28	4.00	175	Yes
19	24	1.60	190	Yes
20	28	4.20	177	Yes
21	26	3.00	218	Yes
22	28	3.90	183	Yes
23	26	3.00	170	Yes
24	27	3.70	230	Yes
25	27	3.50	205	Yes
26	28	4.10	202	Yes
27	23	1.30	226	Yes
28	27	3.50	201	Yes
29	28	4.30	188	Yes
30	27	3.70	168	Yes



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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	18	9.50	450	Yes
2	17	8.40	240	Yes
3	16	6.80	474	Yes
4	16	6.60	263	Yes
5	17	7.70	488	Yes
6	17	7.30	467	No
7	17	7.50	310	Yes
8	17	7.80	447	Yes
9	16	6.90	412	Yes
10	17	8.30	350	Yes
11	17	8.20	336	Yes
12	16	6.00	384	Yes
13	18	9.90	377	Yes
14	18	9.10	210	Yes
15	17	8.10	443	Yes
16	18	9.20	206	Yes
17	17	8.70	395	Yes
18	18	9.00	343	Yes
19	16	6.60	414	Yes
20	18	9.20	262	Yes
21	17	8.00	387	Yes
22	18	8.90	382	Yes
23	17	8.00	225	Yes
24	18	8.70	300	Yes
25	17	8.50	315	Yes
26	18	9.10	492	Yes
27	16	6.30	462	Yes
28	17	8.50	400	Yes
29	18	9.30	346	Yes
30	18	8.70	214	Yes

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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	16	18.80	450	Yes
2	14	16.30	240	No
3	13	12.90	474	Yes
4	12	12.50	263	Yes
5	14	14.80	488	Yes
6	13	14.00	467	Yes
7	13	14.40	310	Yes
8	14	15.00	447	Yes
9	13	13.10	412	Yes
10	14	16.20	350	Yes
11	14	15.90	336	Yes
12	12	11.00	384	Yes
13	16	19.80	377	Yes
14	15	17.80	210	Yes
15	14	15.80	443	Yes
16	15	18.10	206	Yes
17	15	17.00	395	Yes
18	15	17.70	343	Yes
19	12	12.30	414	Yes
20	16	18.20	262	Yes
21	14	15.40	387	Yes
22	15	17.50	382	Yes
23	14	15.60	225	Yes
24	15	17.10	300	Yes
25	15	16.60	315	Yes
26	15	18.00	492	Yes
27	12	11.80	462	Yes
28	15	16.70	400	Yes
29	16	18.40	346	Yes
30	15	17.10	214	Yes

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

Trial Number:			1			Detection (Yes/No)
Number of Bursts in Trial:			19			
Chirp Center Frequency:			5290			
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	93.3	18	1096	1652	67813
2	2	79.4	18	1064	-	220548
3	1	60.6	18	-	-	373921
4	1	58.5	18	-	-	526636
5	2	71.3	18	1374	-	49152
6	2	66.8	18	1082	-	201691
7	2	68.9	18	1955	-	353555
8	2	72.3	18	1707	-	506705
9	1	61.8	18	-	-	30460
10	2	78.9	18	1371	-	182826
11	2	77.1	18	1396	-	335561
12	1	50	18	-	-	488987
13	3	98.5	18	1211	1648	11592
14	3	87.9	18	1336	1398	163846
15	2	76.7	18	1080	-	316687
16	3	89.4	18	1195	1190	468594
17	2	83.3	18	1598	-	621430
18	3	87	18	1481	1859	144974
19	1	57.5	18	-	-	298507
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Trial Number:			2			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5290			
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	90	14	1363	1353	570095
2	2	74.6	14	1092	-	764596
3	3	86.2	14	1958	1306	160128
4	2	75.6	14	1821	-	353659
5	3	84	14	1180	1274	546581
6	2	80.9	14	1480	-	740244
7	3	89	14	1305	1846	136359
8	1	54.5	14	-	-	330362
9	2	81.7	14	1657	-	523256
10	3	91	14	1811	1071	714819
11	3	83.9	14	1505	1529	112628
12	1	61.8	14	-	-	306804
13	2	78.7	14	1357	-	499270
14	2	69.6	14	1479	-	693114
15	3	83.4	14	1323	1076	88838
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

Trial Number:			3			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5290			
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	78.6	8	1043	-	424290
2	3	88.2	8	1650	1308	713095
3	2	71.5	8	1827	-	1004138
4	2	79.8	8	1832	-	97873
5	1	65.8	8	-	-	388705
6	2	68.4	8	1850	-	678077
7	1	56.3	8	-	-	969940
8	1	62.9	8	-	-	62177
9	2	81.4	8	1200	-	352583
10	2	78.5	8	1855	-	642502
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Trial Number:			4			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5290			
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	70.6	7	1567	-	932820
2	1	54.5	7	-	-	26396
3	3	92.4	7	1589	1629	316214
4	2	82.2	7	1942	-	606645
5	1	57.3	7	-	-	898201
6	2	71.4	7	1279	-	1187383
7	1	57.9	7	-	-	281160
8	1	52.8	7	-	-	571814
9	3	89.1	7	1233	1559	860442
10	3	88.5	7	1944	1232	1150525
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

Trial Number:			5			Detection (Yes/No)
Number of Bursts in Trial:			13			
Chirp Center Frequency:			5290			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	54.8	11	-	-	188800
2	1	57.1	11	-	-	412069
3	1	53.8	11	-	-	635989
4	2	76.7	11	1317	-	857852
5	2	77.6	11	1885	-	160958
6	2	82.3	11	1764	-	384073
7	1	62.2	11	-	-	608268
8	3	87.3	11	1731	1061	829220
9	2	81.3	11	1881	-	133384
10	2	78	11	1352	-	356826
11	2	67	11	1623	-	579813
12	3	98.4	11	1097	1491	801611
13	2	80.5	11	1004	-	105980
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Trial Number:			6			Detection (Yes/No)
Number of Bursts in Trial:			12			
Chirp Center Frequency:			5290			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	65	10	-	-	357085
2	1	59.2	10	-	-	599475
3	3	88.5	10	1575	1285	838786
4	2	67.9	10	1709	-	85000
5	1	53.5	10	-	-	327224
6	2	71.2	10	1961	-	568533
7	3	89.2	10	1231	1361	809936
8	3	83.7	10	1273	1978	55187
9	1	61.6	10	-	-	297423
10	1	54.7	10	-	-	539886
11	3	97.1	10	1941	1986	778856
12	1	63.3	10	-	-	25532
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

Trial Number:			7			Detection (Yes/No)
Number of Bursts in Trial:			12			
Chirp Center Frequency:			5290			
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	76.3	11	1870	-	267279
2	3	96.7	11	1946	1577	508310
3	2	72.4	11	1079	-	751342
4	2	74.3	11	1691	-	992638
5	2	69.6	11	1625	-	237561
6	2	76	11	1382	-	479391
7	1	59	11	-	-	721836
8	3	89.7	11	1729	1335	961805
9	2	81.1	11	1645	-	207654
10	2	78.5	11	1218	-	449634
11	2	71.5	11	1159	-	691623
12	3	84.4	11	1362	1349	931651
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Trial Number:			8			Detection (Yes/No)
Number of Bursts in Trial:			13			
Chirp Center Frequency:			5290			
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	94.8	12	1637	1970	163869
2	1	52.1	12	-	-	387914
3	3	83.5	12	1886	1548	609435
4	1	56.1	12	-	-	834662
5	2	69	12	1672	-	136629
6	2	81.7	12	1384	-	360064
7	1	53.4	12	-	-	583848
8	1	61.4	12	-	-	807127
9	2	72.2	12	1752	-	109161
10	2	74.1	12	1475	-	332489
11	2	77.3	12	1424	-	555284
12	2	72.9	12	1010	-	779336
13	2	68.9	12	1774	-	81685
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

Trial Number:			9			Detection (Yes/No)
Number of Bursts in Trial:			11			
Chirp Center Frequency:			5290			
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	53.4	8	-	-	361009
2	1	54.4	8	-	-	624988
3	2	81.7	8	1208	-	888838
4	3	100	8	1059	1397	64125
5	1	54.8	8	-	-	328482
6	3	93.3	8	1732	1680	590709
7	1	52.3	8	-	-	856605
8	1	56.7	8	-	-	31691
9	1	63.3	8	-	-	296036
10	1	51.3	8	-	-	559990
11	3	85.7	8	1932	1525	821457
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Trial Number:			10			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5290			
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	89.9	14	1445	1701	795205
2	1	62.9	14	-	-	192944
3	1	61.7	14	-	-	386721
4	1	51.9	14	-	-	580638
5	1	58	14	-	-	773608
6	1	58.7	14	-	-	169262
7	3	99.4	14	1150	1608	361589
8	3	86.6	14	1597	1136	554918
9	3	87.8	14	1937	1403	746794
10	1	54.1	14	-	-	145420
11	2	73.1	14	1862	-	338076
12	1	51.4	14	-	-	532821
13	3	87.8	14	1649	1600	723676
14	2	83.1	14	1249	-	121286
15	1	64.6	14	-	-	315054
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

Trial Number:			11			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5257			
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	79.9	13	1437	-	507880
2	1	51.2	13	-	-	702156
3	3	85.6	13	1036	1052	97392
4	3	91.1	13	1717	1721	290075
5	1	52.2	13	-	-	484839
6	2	69.4	13	1065	-	677387
7	3	99.5	13	1022	1741	73535
8	1	55.4	13	-	-	267386
9	1	66.1	13	-	-	461266
10	2	71.5	13	1654	-	653276
11	2	77.4	13	1730	-	49811
12	3	89.7	13	1853	1042	242746
13	2	76.3	13	1755	-	436174
14	3	85.3	13	1544	1413	628740
15	2	69.1	13	1888	-	25997
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Trial Number:			12			Detection (Yes/No)
Number of Bursts in Trial:			8			
Chirp Center Frequency:			5254			
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	77.6	5	1620	-	411857
2	2	81.5	5	1674	-	775049
3	1	50.8	5	-	-	1138987
4	3	97.8	5	1788	1747	4127
5	1	66.2	5	-	-	367635
6	1	56.1	5	-	-	731153
7	2	69.9	5	1417	-	1093704
8	1	51.4	5	-	-	1457595
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

Trial Number:			13			Detection (Yes/No)
Number of Bursts in Trial:			20			
Chirp Center Frequency:			5260			
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	53.4	20	-	-	128920
2	1	63.5	20	-	-	273994
3	2	74.7	20	1713	-	417804
4	3	90.8	20	1337	1815	561703
5	3	85.1	20	1242	1370	110491
6	1	64.7	20	-	-	256355
7	2	80.3	20	1984	-	400076
8	1	52.9	20	-	-	546866
9	3	93.9	20	1230	1226	92823
10	2	66.8	20	1831	-	237745
11	3	90.2	20	1250	1792	381243
12	1	63.3	20	-	-	528982
13	1	51	20	-	-	75251
14	2	71.1	20	1635	-	219776
15	2	72.2	20	1380	-	365056
16	3	99.1	20	1003	1194	508768
17	1	66.3	20	-	-	57453
18	3	90.4	20	1332	1897	201333
19	1	57.5	20	-	-	347724
20	3	95.6	20	1333	1518	490637

Trial Number:			14			Detection (Yes/No)
Number of Bursts in Trial:			17			
Chirp Center Frequency:			5259			
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	80.5	17	1344	-	46429
2	2	80.7	17	1968	-	216667
3	2	69	17	1664	-	387292
4	2	73.1	17	1838	-	557201
5	1	51.2	17	-	-	25494
6	2	68.7	17	1644	-	195776
7	2	76.5	17	1610	-	366403
8	3	91.7	17	1582	1527	535733
9	1	50.5	17	-	-	4436
10	3	90	17	1912	1448	174500
11	2	66.8	17	1735	-	345397
12	1	58.5	17	-	-	517178
13	1	60	17	-	-	687828
14	3	99.9	17	1101	1522	153623
15	2	82.2	17	1402	-	324401
16	2	77.6	17	1468	-	495207
17	2	77.6	17	1077	-	665418
18						
19						
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

Trial Number:		15				Detection (Yes/No)
Number of Bursts in Trial:		14				
Chirp Center Frequency:		5257				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	78.6	13	1438	-	161495
2	1	64.4	13	-	-	369253
3	3	90.7	13	1921	1561	574534
4	3	85.8	13	1959	1869	780840
5	2	68.6	13	1696	-	135974
6	3	83.5	13	1834	1939	342234
7	2	72.9	13	1113	-	550387
8	3	86.1	13	1341	1840	756294
9	2	72	13	1405	-	110471
10	2	68	13	1562	-	317782
11	1	56.4	13	-	-	525591
12	1	59.2	13	-	-	733184
13	1	51.7	13	-	-	85098
14	2	81.5	13	1282	-	292037
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Trial Number:		16				Detection (Yes/No)
Number of Bursts in Trial:		18				
Chirp Center Frequency:		5259				No
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	75.8	17	1619	-	387833
2	3	98.7	17	1895	1684	547120
3	2	74.4	17	1655	-	46171
4	2	71	17	1593	-	207220
5	2	72.8	17	1738	-	367953
6	3	94.5	17	1133	1843	528140
7	1	51.6	17	-	-	26404
8	3	89.6	17	1560	1695	186841
9	1	66.4	17	-	-	349231
10	3	88.2	17	1013	1467	508439
11	3	88.6	17	1668	1783	6505
12	1	52.3	17	-	-	167889
13	1	53.8	17	-	-	329155
14	1	50	17	-	-	490502
15	2	81.6	17	1784	-	650506
16	1	53.3	17	-	-	147890
17	1	51.2	17	-	-	309174
18	3	89	17	1441	1768	468165
19						
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

Trial Number:			17			Detection (Yes/No)
Number of Bursts in Trial:			16			
Chirp Center Frequency:			5258			
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	94.7	15	1326	1778	708585
2	2	71.5	15	1931	-	143814
3	3	87.7	15	1836	1584	324161
4	2	76	15	1651	-	506091
5	2	66.8	15	1400	-	687542
6	1	59.7	15	-	-	121861
7	1	61.9	15	-	-	303456
8	3	97.2	15	1037	1591	483459
9	3	96.2	15	1342	1298	664031
10	3	87	15	1595	1258	99132
11	2	79.2	15	1054	-	280589
12	1	50.6	15	-	-	462560
13	2	70	15	1488	-	643114
14	2	82.5	15	1604	-	76967
15	3	98.8	15	1162	1773	257573
16	1	58.5	15	-	-	439873
17						
18						
19						
20						

Trial Number:			18			Detection (Yes/No)
Number of Bursts in Trial:			17			
Chirp Center Frequency:			5258			
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	91	16	1566	1433	582651
2	1	59.9	16	-	-	51506
3	3	85.6	16	1171	1247	221657
4	2	78.8	16	1244	-	392444
5	1	59.3	16	-	-	564123
6	2	83.2	16	1966	-	30356
7	2	75.9	16	1669	-	200871
8	3	89.1	16	1386	1781	370403
9	3	98.1	16	1120	1401	540811
10	1	52.4	16	-	-	9419
11	3	97.3	16	1947	1748	179240
12	1	66.2	16	-	-	351161
13	2	79.6	16	1125	-	521383
14	2	72.8	16	1536	-	691566
15	1	54.5	16	-	-	159271
16	2	68.7	16	1277	-	329316
17	2	66.8	16	1047	-	500127
18						
19						
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

Trial Number:		19				Detection (Yes/No)
Number of Bursts in Trial:		9				
Chirp Center Frequency:		5255				
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	67.5	7	1205	-	1269141
2	1	64.6	7	-	-	261178
3	2	80.3	7	1476	-	583510
4	3	93.8	7	1839	1997	904686
5	3	99.9	7	1199	1376	1227728
6	2	81.8	7	1817	-	221085
7	1	64.6	7	-	-	544388
8	1	59.1	7	-	-	867459
9	2	75.7	7	1350	-	1189236
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Trial Number:		20				Detection (Yes/No)
Number of Bursts in Trial:		18				
Chirp Center Frequency:		5259				
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	98.3	17	1845	1017	90275
2	1	64.6	17	-	-	251942
3	1	60.3	17	-	-	413622
4	1	65.7	17	-	-	574596
5	2	68.1	17	1134	-	70714
6	1	56.1	17	-	-	232082
7	1	53.6	17	-	-	393547
8	3	95.4	17	1549	1331	552076
9	1	59	17	-	-	51013
10	2	71.7	17	1962	-	211766
11	2	67.7	17	1653	-	372732
12	2	72.4	17	1980	-	533639
13	2	79.7	17	1068	-	31082
14	1	61.4	17	-	-	192417
15	3	95.6	17	1269	1111	352614
16	3	98.7	17	1706	1466	512899
17	2	78	17	1615	-	11221
18	1	64.3	17	-	-	172613
19						
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

Trial Number:		21				Detection (Yes/No)
Number of Bursts in Trial:		14				
Chirp Center Frequency:		5323				
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	62.5	12	-	-	429459
2	3	95.8	12	1391	1063	635373
3	2	67.5	12	1204	-	842986
4	2	73.4	12	1411	-	196033
5	2	82.5	12	1141	-	403261
6	1	60.5	12	-	-	611418
7	3	83.9	12	1503	1689	815471
8	1	52.5	12	-	-	170915
9	2	67.9	12	1700	-	377461
10	2	68.5	12	1412	-	585223
11	1	64.7	12	-	-	793466
12	3	91.2	12	1462	1642	144855
13	2	78.1	12	1564	-	352375
14	2	71	12	1243	-	559672
15						
16						
17						
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19						
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Trial Number:		22				Detection (Yes/No)
Number of Bursts in Trial:		17				
Chirp Center Frequency:		5322				
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	69.6	16	1979	-	630513
2	3	83.7	16	1152	1837	98197
3	3	85	16	1127	1795	268113
4	1	61.2	16	-	-	439977
5	2	78.8	16	1745	-	609338
6	2	82.3	16	1443	-	77363
7	3	84.3	16	1327	1587	247348
8	3	91.1	16	1665	1073	417670
9	1	62.5	16	-	-	590203
10	3	84.3	16	1431	1123	56279
11	1	63.8	16	-	-	227331
12	2	82.8	16	1358	-	397253
13	1	51	16	-	-	568708
14	3	94.4	16	1348	1463	35283
15	3	87.8	16	1771	1478	205347
16	1	53.1	16	-	-	377293
17	3	84.8	16	1693	1129	545977
18						
19						
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

Trial Number:		23				Detection (Yes/No)
Number of Bursts in Trial:		14				
Chirp Center Frequency:		5323				
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	95.2	13	1779	1299	17436
2	2	71.9	13	1662	-	224602
3	2	67.5	13	1031	-	432147
4	1	52	13	-	-	640045
5	1	63.4	13	-	-	847760
6	1	58.1	13	-	-	199351
7	2	74.9	13	1228	-	406211
8	2	82.2	13	1484	-	613632
9	3	99.8	13	1504	1737	818431
10	2	81.8	13	1861	-	173581
11	1	65.6	13	-	-	381508
12	3	88.2	13	1757	1094	586677
13	3	85.1	13	1262	1874	793896
14	2	80.7	13	1658	-	147977
15						
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18						
19						
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Trial Number:		24				Detection (Yes/No)
Number of Bursts in Trial:		16				
Chirp Center Frequency:		5322				
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	67.9	15	1714	-	310464
2	3	93.7	15	1611	1520	490490
3	3	96.7	15	1956	1723	670595
4	1	52.7	15	-	-	107425
5	3	96	15	1957	1495	287524
6	2	76.5	15	1704	-	469347
7	3	84.3	15	1130	1399	649619
8	2	69.8	15	1193	-	84912
9	3	95.7	15	1053	1432	265820
10	2	80	15	1345	-	447511
11	2	71.4	15	1805	-	627976
12	2	83.2	15	1222	-	62543
13	2	83.3	15	1161	-	243827
14	1	59.5	15	-	-	426016
15	3	99.7	15	1049	1449	605285
16	1	59.5	15	-	-	40314
17						
18						
19						
20						

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

Trial Number:			25			Detection (Yes/No)
Number of Bursts in Trial:			16			
Chirp Center Frequency:			5322			
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	89.6	14	1217	1493	221161
2	1	64.7	14	-	-	403630
3	1	64.8	14	-	-	585036
4	3	83.8	14	1360	1229	17884
5	2	69.5	14	1985	-	198862
6	2	69.3	14	1500	-	380096
7	1	60.5	14	-	-	562198
8	2	68.9	14	1876	-	742377
9	1	56.2	14	-	-	177019
10	2	75.5	14	1009	-	358332
11	1	60	14	-	-	540464
12	2	79	14	1877	-	720227
13	2	79	14	1519	-	154374
14	1	50.4	14	-	-	336180
15	2	68.7	14	1898	-	516520
16	1	52.9	14	-	-	699385
17						
18						
19						
20						

Trial Number:			26			Detection (Yes/No)
Number of Bursts in Trial:			18			
Chirp Center Frequency:			5321			
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	77.5	17	1050	-	117499
2	1	53.5	17	-	-	279154
3	3	95.9	17	1820	1026	438499
4	3	89.2	17	1928	1319	598740
5	1	54.3	17	-	-	97771
6	3	91.6	17	1377	1616	257902
7	3	91.9	17	1028	1058	419134
8	2	76.6	17	1157	-	581043
9	1	50.4	17	-	-	77879
10	2	75.4	17	1440	-	238903
11	2	76.2	17	1328	-	399671
12	3	87.6	17	1469	1291	559209
13	2	80.6	17	1090	-	57945
14	2	80.3	17	1612	-	218997
15	2	74.9	17	1307	-	379902
16	1	65.3	17	-	-	541836
17	2	82.5	17	1550	-	38096
18	3	90.3	17	1847	1634	198477
19						
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 58 Bandwidth 80MHz**

Trial Number:			27			Detection (Yes/No)
Number of Bursts in Trial:			9			
Chirp Center Frequency:			5326			
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	92.3	6	1683	1521	720947
2	1	50.8	6	-	-	1045308
3	2	73.4	6	1618	-	36611
4	1	51.3	6	-	-	359614
5	1	61.2	6	-	-	682665
6	3	98.7	6	1378	1069	1003575
7	2	83.1	6	1780	-	1327374
8	2	77.7	6	1220	-	319530
9	3	96.6	6	1163	1460	641408
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16						
17						
18						
19						
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Trial Number:			28			Detection (Yes/No)
Number of Bursts in Trial:			16			
Chirp Center Frequency:			5322			
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	70.5	15	1666	-	541939
2	1	66.4	15	-	-	724456
3	1	55.2	15	-	-	157440
4	3	90.8	15	1814	1678	337579
5	3	95.2	15	1212	1483	518265
6	1	61.2	15	-	-	702313
7	2	68.5	15	1318	-	134896
8	1	55.6	15	-	-	316653
9	2	79.8	15	1758	-	496708
10	1	63.7	15	-	-	679614
11	1	60.5	15	-	-	112720
12	1	55.2	15	-	-	294327
13	3	98.1	15	1914	1103	473806
14	2	72.9	15	1511	-	656132
15	3	88.2	15	1426	1184	90023
16	2	83.3	15	1485	-	271463
17						
18						
19						
20						



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

Trial Number:			29			Detection (Yes/No)
Number of Bursts in Trial:			18			
Chirp Center Frequency:			5321			
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	94.1	18	1223	1617	401071
2	3	93.1	18	1091	1969	561948
3	2	73	18	1976	-	60241
4	3	88.3	18	1019	1227	221080
5	2	75.9	18	1072	-	382357
6	1	50.6	18	-	-	544432
7	3	94.8	18	1496	1769	40328
8	3	96.5	18	1016	1775	201125
9	3	88.8	18	1259	1387	361510
10	1	58.2	18	-	-	524727
11	2	67.9	18	1734	-	20617
12	2	79.6	18	1416	-	181695
13	2	76.1	18	1098	-	342901
14	3	92.3	18	1140	1526	502981
15	3	97.3	18	1474	1039	783
16	1	56	18	-	-	162199
17	2	76.6	18	1636	-	322602
18	3	95	18	1661	1920	482341
19						
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Trial Number:			30			Detection (Yes/No)
Number of Bursts in Trial:			16			
Chirp Center Frequency:			5322			
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	71.3	15	1021	-	726479
2	1	60.1	15	-	-	160083
3	3	95.2	15	1224	1392	340319
4	3	84.6	15	1879	1253	521107
5	2	81	15	1109	-	703429
6	2	76.3	15	1033	-	137451
7	1	62.1	15	-	-	319352
8	2	74.6	15	1309	-	500226
9	3	95.2	15	1148	1185	680213
10	1	51.6	15	-	-	115286
11	2	72	15	1002	-	296287
12	3	85.1	15	1422	1414	476898
13	3	94.3	15	1739	1395	657030
14	2	77.9	15	1066	-	92833
15	3	85.2	15	1451	1290	273476
16	2	68	15	1303	-	455152
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**DFS Radar Parameters**  
**FCC Radar Type 1**  
**Channel 60 Bandwidth 20MHz**

Trial #	Pulse Repetition Frequency Number (1 to 23)	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	6	1618.12	618	Yes
2	12	326.16	3066	Yes
3	15	1253.13	798	Yes
4	1	1930.50	518	Yes
5	3	1792.11	558	Yes
6	21	1089.32	918	Yes
7	2	1858.74	538	Yes
8	11	1392.76	718	Yes
9	5	1672.24	598	Yes
10	22	1066.10	938	Yes
11	8	1519.76	658	Yes
12	7	1567.40	638	Yes
13	9	1474.93	678	Yes
14	18	1165.50	858	Yes
15	16	1222.49	818	Yes
16		1173.71	852	Yes
17		461.89	2165	Yes
18		556.48	1797	Yes
19		1572.33	636	Yes
20		527.15	1897	Yes
21		825.76	1211	Yes
22		456.83	2189	Yes
23		963.39	1038	Yes
24		432.90	2310	Yes
25		821.69	1217	Yes
26		646.83	1546	Yes
27		364.96	2740	Yes
28		378.36	2643	Yes
29		656.17	1524	Yes
30		916.59	1091	Yes

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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	29	4.50	223	Yes
2	27	3.40	165	Yes
3	24	1.80	160	Yes
4	24	1.60	184	Yes
5	25	2.70	176	Yes
6	25	2.30	158	Yes
7	25	2.50	157	Yes
8	26	2.80	220	Yes
9	24	1.90	161	Yes
10	27	3.30	214	Yes
11	26	3.20	164	Yes
12	23	1.00	197	Yes
13	29	4.90	174	Yes
14	28	4.10	203	Yes
15	26	3.10	206	Yes
16	28	4.20	162	Yes
17	27	3.70	194	Yes
18	28	4.00	175	Yes
19	24	1.60	190	Yes
20	28	4.20	177	Yes
21	26	3.00	218	Yes
22	28	3.90	183	Yes
23	26	3.00	170	No
24	27	3.70	230	Yes
25	27	3.50	205	Yes
26	28	4.10	202	Yes
27	23	1.30	226	Yes
28	27	3.50	201	Yes
29	28	4.30	188	Yes
30	27	3.70	168	Yes

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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	18	9.50	450	Yes
2	17	8.40	240	Yes
3	16	6.80	474	Yes
4	16	6.60	263	Yes
5	17	7.70	488	Yes
6	17	7.30	467	Yes
7	17	7.50	310	Yes
8	17	7.80	447	Yes
9	16	6.90	412	Yes
10	17	8.30	350	Yes
11	17	8.20	336	Yes
12	16	6.00	384	No
13	18	9.90	377	Yes
14	18	9.10	210	Yes
15	17	8.10	443	Yes
16	18	9.20	206	Yes
17	17	8.70	395	Yes
18	18	9.00	343	Yes
19	16	6.60	414	Yes
20	18	9.20	262	Yes
21	17	8.00	387	Yes
22	18	8.90	382	Yes
23	17	8.00	225	Yes
24	18	8.70	300	Yes
25	17	8.50	315	Yes
26	18	9.10	492	Yes
27	16	6.30	462	No
28	17	8.50	400	Yes
29	18	9.30	346	Yes
30	18	8.70	214	Yes

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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	16	18.80	450	Yes
2	14	16.30	240	Yes
3	13	12.90	474	Yes
4	12	12.50	263	Yes
5	14	14.80	488	Yes
6	13	14.00	467	Yes
7	13	14.40	310	No
8	14	15.00	447	Yes
9	13	13.10	412	Yes
10	14	16.20	350	Yes
11	14	15.90	336	Yes
12	12	11.00	384	Yes
13	16	19.80	377	Yes
14	15	17.80	210	Yes
15	14	15.80	443	Yes
16	15	18.10	206	Yes
17	15	17.00	395	Yes
18	15	17.70	343	Yes
19	12	12.30	414	Yes
20	16	18.20	262	Yes
21	14	15.40	387	Yes
22	15	17.50	382	Yes
23	14	15.60	225	Yes
24	15	17.10	300	Yes
25	15	16.60	315	Yes
26	15	18.00	492	No
27	12	11.80	462	Yes
28	15	16.70	400	Yes
29	16	18.40	346	Yes
30	15	17.10	214	Yes

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

Trial Number:			1			Detection (Yes/No)
Number of Bursts in Trial:			19			
Chirp Center Frequency:			5300			
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	93.3	18	1096	1652	67813
2	2	79.4	18	1064	-	220548
3	1	60.6	18	-	-	373921
4	1	58.5	18	-	-	526636
5	2	71.3	18	1374	-	49152
6	2	66.8	18	1082	-	201691
7	2	68.9	18	1955	-	353555
8	2	72.3	18	1707	-	506705
9	1	61.8	18	-	-	30460
10	2	78.9	18	1371	-	182826
11	2	77.1	18	1396	-	335561
12	1	50	18	-	-	488987
13	3	98.5	18	1211	1648	11592
14	3	87.9	18	1336	1398	163846
15	2	76.7	18	1080	-	316687
16	3	89.4	18	1195	1190	468594
17	2	83.3	18	1598	-	621430
18	3	87	18	1481	1859	144974
19	1	57.5	18	-	-	298507
20						

Trial Number:			2			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5300			
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	90	14	1363	1353	570095
2	2	74.6	14	1092	-	764596
3	3	86.2	14	1958	1306	160128
4	2	75.6	14	1821	-	353659
5	3	84	14	1180	1274	546581
6	2	80.9	14	1480	-	740244
7	3	89	14	1305	1846	136359
8	1	54.5	14	-	-	330362
9	2	81.7	14	1657	-	523256
10	3	91	14	1811	1071	714819
11	3	83.9	14	1505	1529	112628
12	1	61.8	14	-	-	306804
13	2	78.7	14	1357	-	499270
14	2	69.6	14	1479	-	693114
15	3	83.4	14	1323	1076	88838
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

Trial Number:			3			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5300			
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	78.6	8	1043	-	424290
2	3	88.2	8	1650	1308	713095
3	2	71.5	8	1827	-	1004138
4	2	79.8	8	1832	-	97873
5	1	65.8	8	-	-	388705
6	2	68.4	8	1850	-	678077
7	1	56.3	8	-	-	969940
8	1	62.9	8	-	-	62177
9	2	81.4	8	1200	-	352583
10	2	78.5	8	1855	-	642502
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Trial Number:			4			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5300			
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	70.6	7	1567	-	932820
2	1	54.5	7	-	-	26396
3	3	92.4	7	1589	1629	316214
4	2	82.2	7	1942	-	606645
5	1	57.3	7	-	-	898201
6	2	71.4	7	1279	-	1187383
7	1	57.9	7	-	-	281160
8	1	52.8	7	-	-	571814
9	3	89.1	7	1233	1559	860442
10	3	88.5	7	1944	1232	1150525
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

Trial Number:			5			Detection (Yes/No)
Number of Bursts in Trial:			13			
Chirp Center Frequency:			5300			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	54.8	11	-	-	188800
2	1	57.1	11	-	-	412069
3	1	53.8	11	-	-	635989
4	2	76.7	11	1317	-	857852
5	2	77.6	11	1885	-	160958
6	2	82.3	11	1764	-	384073
7	1	62.2	11	-	-	608268
8	3	87.3	11	1731	1061	829220
9	2	81.3	11	1881	-	133384
10	2	78	11	1352	-	356826
11	2	67	11	1623	-	579813
12	3	98.4	11	1097	1491	801611
13	2	80.5	11	1004	-	105980
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Trial Number:			6			Detection (Yes/No)
Number of Bursts in Trial:			12			
Chirp Center Frequency:			5300			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	65	10	-	-	357085
2	1	59.2	10	-	-	599475
3	3	88.5	10	1575	1285	838786
4	2	67.9	10	1709	-	85000
5	1	53.5	10	-	-	327224
6	2	71.2	10	1961	-	568533
7	3	89.2	10	1231	1361	809936
8	3	83.7	10	1273	1978	55187
9	1	61.6	10	-	-	297423
10	1	54.7	10	-	-	539886
11	3	97.1	10	1941	1986	778856
12	1	63.3	10	-	-	25532
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

Trial Number:			7			Detection (Yes/No)
Number of Bursts in Trial:			12			
Chirp Center Frequency:			5300			
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	76.3	11	1870	-	267279
2	3	96.7	11	1946	1577	508310
3	2	72.4	11	1079	-	751342
4	2	74.3	11	1691	-	992638
5	2	69.6	11	1625	-	237561
6	2	76	11	1382	-	479391
7	1	59	11	-	-	721836
8	3	89.7	11	1729	1335	961805
9	2	81.1	11	1645	-	207654
10	2	78.5	11	1218	-	449634
11	2	71.5	11	1159	-	691623
12	3	84.4	11	1362	1349	931651
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Trial Number:			8			Detection (Yes/No)
Number of Bursts in Trial:			13			
Chirp Center Frequency:			5300			
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	94.8	12	1637	1970	163869
2	1	52.1	12	-	-	387914
3	3	83.5	12	1886	1548	609435
4	1	56.1	12	-	-	834662
5	2	69	12	1672	-	136629
6	2	81.7	12	1384	-	360064
7	1	53.4	12	-	-	583848
8	1	61.4	12	-	-	807127
9	2	72.2	12	1752	-	109161
10	2	74.1	12	1475	-	332489
11	2	77.3	12	1424	-	555284
12	2	72.9	12	1010	-	779336
13	2	68.9	12	1774	-	81685
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

Trial Number:			9			Detection (Yes/No)
Number of Bursts in Trial:			11			
Chirp Center Frequency:			5300			
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	53.4	8	-	-	361009
2	1	54.4	8	-	-	624988
3	2	81.7	8	1208	-	888838
4	3	100	8	1059	1397	64125
5	1	54.8	8	-	-	328482
6	3	93.3	8	1732	1680	590709
7	1	52.3	8	-	-	856605
8	1	56.7	8	-	-	31691
9	1	63.3	8	-	-	296036
10	1	51.3	8	-	-	559990
11	3	85.7	8	1932	1525	821457
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Trial Number:			10			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5300			
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	89.9	14	1445	1701	795205
2	1	62.9	14	-	-	192944
3	1	61.7	14	-	-	386721
4	1	51.9	14	-	-	580638
5	1	58	14	-	-	773608
6	1	58.7	14	-	-	169262
7	3	99.4	14	1150	1608	361589
8	3	86.6	14	1597	1136	554918
9	3	87.8	14	1937	1403	746794
10	1	54.1	14	-	-	145420
11	2	73.1	14	1862	-	338076
12	1	51.4	14	-	-	532821
13	3	87.8	14	1649	1600	723676
14	2	83.1	14	1249	-	121286
15	1	64.6	14	-	-	315054
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

Trial Number:			11			Detection (Yes/No) Yes
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5296			
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	79.9	13	1437	-	507880
2	1	51.2	13	-	-	702156
3	3	85.6	13	1036	1052	97392
4	3	91.1	13	1717	1721	290075
5	1	52.2	13	-	-	484839
6	2	69.4	13	1065	-	677387
7	3	99.5	13	1022	1741	73535
8	1	55.4	13	-	-	267386
9	1	66.1	13	-	-	461266
10	2	71.5	13	1654	-	653276
11	2	77.4	13	1730	-	49811
12	3	89.7	13	1853	1042	242746
13	2	76.3	13	1755	-	436174
14	3	85.3	13	1544	1413	628740
15	2	69.1	13	1888	-	25997
16						
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Trial Number:			12			Detection (Yes/No) Yes
Number of Bursts in Trial:			8			
Chirp Center Frequency:			5293			
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	77.6	5	1620	-	411857
2	2	81.5	5	1674	-	775049
3	1	50.8	5	-	-	1138987
4	3	97.8	5	1788	1747	4127
5	1	66.2	5	-	-	367635
6	1	56.1	5	-	-	731153
7	2	69.9	5	1417	-	1093704
8	1	51.4	5	-	-	1457595
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

Trial Number:			13			Detection (Yes/No)
Number of Bursts in Trial:			20			
Chirp Center Frequency:			5299			
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	53.4	20	-	-	128920
2	1	63.5	20	-	-	273994
3	2	74.7	20	1713	-	417804
4	3	90.8	20	1337	1815	561703
5	3	85.1	20	1242	1370	110491
6	1	64.7	20	-	-	256355
7	2	80.3	20	1984	-	400076
8	1	52.9	20	-	-	546866
9	3	93.9	20	1230	1226	92823
10	2	66.8	20	1831	-	237745
11	3	90.2	20	1250	1792	381243
12	1	63.3	20	-	-	528982
13	1	51	20	-	-	75251
14	2	71.1	20	1635	-	219776
15	2	72.2	20	1380	-	365056
16	3	99.1	20	1003	1194	508768
17	1	66.3	20	-	-	57453
18	3	90.4	20	1332	1897	201333
19	1	57.5	20	-	-	347724
20	3	95.6	20	1333	1518	490637

Trial Number:			14			Detection (Yes/No)
Number of Bursts in Trial:			17			
Chirp Center Frequency:			5298			
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	80.5	17	1344	-	46429
2	2	80.7	17	1968	-	216667
3	2	69	17	1664	-	387292
4	2	73.1	17	1838	-	557201
5	1	51.2	17	-	-	25494
6	2	68.7	17	1644	-	195776
7	2	76.5	17	1610	-	366403
8	3	91.7	17	1582	1527	535733
9	1	50.5	17	-	-	4436
10	3	90	17	1912	1448	174500
11	2	66.8	17	1735	-	345397
12	1	58.5	17	-	-	517178
13	1	60	17	-	-	687828
14	3	99.9	17	1101	1522	153623
15	2	82.2	17	1402	-	324401
16	2	77.6	17	1468	-	495207
17	2	77.6	17	1077	-	665418
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19						
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 60 Bandwidth 20MHz**

Trial Number:		15				Detection (Yes/No)
Number of Bursts in Trial:		14				
Chirp Center Frequency:		5296				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	78.6	13	1438	-	161495
2	1	64.4	13	-	-	369253
3	3	90.7	13	1921	1561	574534
4	3	85.8	13	1959	1869	780840
5	2	68.6	13	1696	-	135974
6	3	83.5	13	1834	1939	342234
7	2	72.9	13	1113	-	550387
8	3	86.1	13	1341	1840	756294
9	2	72	13	1405	-	110471
10	2	68	13	1562	-	317782
11	1	56.4	13	-	-	525591
12	1	59.2	13	-	-	733184
13	1	51.7	13	-	-	85098
14	2	81.5	13	1282	-	292037
15						
16						
17						
18						
19						
20						

Trial Number:		16				Detection (Yes/No)
Number of Bursts in Trial:		18				
Chirp Center Frequency:		5298				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	75.8	17	1619	-	387833
2	3	98.7	17	1895	1684	547120
3	2	74.4	17	1655	-	46171
4	2	71	17	1593	-	207220
5	2	72.8	17	1738	-	367953
6	3	94.5	17	1133	1843	528140
7	1	51.6	17	-	-	26404
8	3	89.6	17	1560	1695	186841
9	1	66.4	17	-	-	349231
10	3	88.2	17	1013	1467	508439
11	3	88.6	17	1668	1783	6505
12	1	52.3	17	-	-	167889
13	1	53.8	17	-	-	329155
14	1	50	17	-	-	490502
15	2	81.6	17	1784	-	650506
16	1	53.3	17	-	-	147890
17	1	51.2	17	-	-	309174
18	3	89	17	1441	1768	468165
19						
20						

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

Trial Number:		17				Detection (Yes/No)
Number of Bursts in Trial:		16				
Chirp Center Frequency:		5297				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	94.7	15	1326	1778	708585
2	2	71.5	15	1931	-	143814
3	3	87.7	15	1836	1584	324161
4	2	76	15	1651	-	506091
5	2	66.8	15	1400	-	687542
6	1	59.7	15	-	-	121861
7	1	61.9	15	-	-	303456
8	3	97.2	15	1037	1591	483459
9	3	96.2	15	1342	1298	664031
10	3	87	15	1595	1258	99132
11	2	79.2	15	1054	-	280589
12	1	50.6	15	-	-	462560
13	2	70	15	1488	-	643114
14	2	82.5	15	1604	-	76967
15	3	98.8	15	1162	1773	257573
16	1	58.5	15	-	-	439873
17						
18						
19						
20						

Trial Number:		18				Detection (Yes/No)
Number of Bursts in Trial:		17				
Chirp Center Frequency:		5298				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	91	16	1566	1433	582651
2	1	59.9	16	-	-	51506
3	3	85.6	16	1171	1247	221657
4	2	78.8	16	1244	-	392444
5	1	59.3	16	-	-	564123
6	2	83.2	16	1966	-	30356
7	2	75.9	16	1669	-	200871
8	3	89.1	16	1386	1781	370403
9	3	98.1	16	1120	1401	540811
10	1	52.4	16	-	-	9419
11	3	97.3	16	1947	1748	179240
12	1	66.2	16	-	-	351161
13	2	79.6	16	1125	-	521383
14	2	72.8	16	1536	-	691566
15	1	54.5	16	-	-	159271
16	2	68.7	16	1277	-	329316
17	2	66.8	16	1047	-	500127
18						
19						
20						

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

Trial Number:		19				Detection (Yes/No)
Number of Bursts in Trial:		9				
Chirp Center Frequency:		5294				
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	67.5	7	1205	-	1269141
2	1	64.6	7	-	-	261178
3	2	80.3	7	1476	-	583510
4	3	93.8	7	1839	1997	904686
5	3	99.9	7	1199	1376	1227728
6	2	81.8	7	1817	-	221085
7	1	64.6	7	-	-	544388
8	1	59.1	7	-	-	867459
9	2	75.7	7	1350	-	1189236
10						
11						
12						
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Trial Number:		20				Detection (Yes/No)
Number of Bursts in Trial:		18				
Chirp Center Frequency:		5298				
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	98.3	17	1845	1017	90275
2	1	64.6	17	-	-	251942
3	1	60.3	17	-	-	413622
4	1	65.7	17	-	-	574596
5	2	68.1	17	1134	-	70714
6	1	56.1	17	-	-	232082
7	1	53.6	17	-	-	393547
8	3	95.4	17	1549	1331	552076
9	1	59	17	-	-	51013
10	2	71.7	17	1962	-	211766
11	2	67.7	17	1653	-	372732
12	2	72.4	17	1980	-	533639
13	2	79.7	17	1068	-	31082
14	1	61.4	17	-	-	192417
15	3	95.6	17	1269	1111	352614
16	3	98.7	17	1706	1466	512899
17	2	78	17	1615	-	11221
18	1	64.3	17	-	-	172613
19						
20						

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

Trial Number:			21			Detection (Yes/No)
Number of Bursts in Trial:			14			
Chirp Center Frequency:			5304			
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	62.5	12	-	-	429459
2	3	95.8	12	1391	1063	635373
3	2	67.5	12	1204	-	842986
4	2	73.4	12	1411	-	196033
5	2	82.5	12	1141	-	403261
6	1	60.5	12	-	-	611418
7	3	83.9	12	1503	1689	815471
8	1	52.5	12	-	-	170915
9	2	67.9	12	1700	-	377461
10	2	68.5	12	1412	-	585223
11	1	64.7	12	-	-	793466
12	3	91.2	12	1462	1642	144855
13	2	78.1	12	1564	-	352375
14	2	71	12	1243	-	559672
15						
16						
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19						
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Trial Number:			22			Detection (Yes/No)
Number of Bursts in Trial:			17			
Chirp Center Frequency:			5302			
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	69.6	16	1979	-	630513
2	3	83.7	16	1152	1837	98197
3	3	85	16	1127	1795	268113
4	1	61.2	16	-	-	439977
5	2	78.8	16	1745	-	609338
6	2	82.3	16	1443	-	77363
7	3	84.3	16	1327	1587	247348
8	3	91.1	16	1665	1073	417670
9	1	62.5	16	-	-	590203
10	3	84.3	16	1431	1123	56279
11	1	63.8	16	-	-	227331
12	2	82.8	16	1358	-	397253
13	1	51	16	-	-	568708
14	3	94.4	16	1348	1463	35283
15	3	87.8	16	1771	1478	205347
16	1	53.1	16	-	-	377293
17	3	84.8	16	1693	1129	545977
18						
19						
20						



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

Trial Number:		23				Detection (Yes/No)
Number of Bursts in Trial:		14				
Chirp Center Frequency:		5304				
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	95.2	13	1779	1299	17436
2	2	71.9	13	1662	-	224602
3	2	67.5	13	1031	-	432147
4	1	52	13	-	-	640045
5	1	63.4	13	-	-	847760
6	1	58.1	13	-	-	199351
7	2	74.9	13	1228	-	406211
8	2	82.2	13	1484	-	613632
9	3	99.8	13	1504	1737	818431
10	2	81.8	13	1861	-	173581
11	1	65.6	13	-	-	381508
12	3	88.2	13	1757	1094	586677
13	3	85.1	13	1262	1874	793896
14	2	80.7	13	1658	-	147977
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19						
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Trial Number:		24				Detection (Yes/No)
Number of Bursts in Trial:		16				
Chirp Center Frequency:		5303				
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	67.9	15	1714	-	310464
2	3	93.7	15	1611	1520	490490
3	3	96.7	15	1956	1723	670595
4	1	52.7	15	-	-	107425
5	3	96	15	1957	1495	287524
6	2	76.5	15	1704	-	469347
7	3	84.3	15	1130	1399	649619
8	2	69.8	15	1193	-	84912
9	3	95.7	15	1053	1432	265820
10	2	80	15	1345	-	447511
11	2	71.4	15	1805	-	627976
12	2	83.2	15	1222	-	62543
13	2	83.3	15	1161	-	243827
14	1	59.5	15	-	-	426016
15	3	99.7	15	1049	1449	605285
16	1	59.5	15	-	-	40314
17						
18						
19						
20						

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

Trial Number:			25			Detection (Yes/No)
Number of Bursts in Trial:			16			
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	89.6	14	1217	1493	221161
2	1	64.7	14	-	-	403630
3	1	64.8	14	-	-	585036
4	3	83.8	14	1360	1229	17884
5	2	69.5	14	1985	-	198862
6	2	69.3	14	1500	-	380096
7	1	60.5	14	-	-	562198
8	2	68.9	14	1876	-	742377
9	1	56.2	14	-	-	177019
10	2	75.5	14	1009	-	358332
11	1	60	14	-	-	540464
12	2	79	14	1877	-	720227
13	2	79	14	1519	-	154374
14	1	50.4	14	-	-	336180
15	2	68.7	14	1898	-	516520
16	1	52.9	14	-	-	699385
17						
18						
19						
20						

Trial Number:			26			Detection (Yes/No)
Number of Bursts in Trial:			18			
Chirp Center Frequency:			5302			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	77.5	17	1050	-	117499
2	1	53.5	17	-	-	279154
3	3	95.9	17	1820	1026	438499
4	3	89.2	17	1928	1319	598740
5	1	54.3	17	-	-	97771
6	3	91.6	17	1377	1616	257902
7	3	91.9	17	1028	1058	419134
8	2	76.6	17	1157	-	581043
9	1	50.4	17	-	-	77879
10	2	75.4	17	1440	-	238903
11	2	76.2	17	1328	-	399671
12	3	87.6	17	1469	1291	559209
13	2	80.6	17	1090	-	57945
14	2	80.3	17	1612	-	218997
15	2	74.9	17	1307	-	379902
16	1	65.3	17	-	-	541836
17	2	82.5	17	1550	-	38096
18	3	90.3	17	1847	1634	198477
19						
20						

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

Trial Number:		27				Detection (Yes/No)
Number of Bursts in Trial:		9				
Chirp Center Frequency:		5306				
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	92.3	6	1683	1521	720947
2	1	50.8	6	-	-	1045308
3	2	73.4	6	1618	-	36611
4	1	51.3	6	-	-	359614
5	1	61.2	6	-	-	682665
6	3	98.7	6	1378	1069	1003575
7	2	83.1	6	1780	-	1327374
8	2	77.7	6	1220	-	319530
9	3	96.6	6	1163	1460	641408
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Trial Number:		28				Detection (Yes/No)
Number of Bursts in Trial:		16				
Chirp Center Frequency:		5303				
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	70.5	15	1666	-	541939
2	1	66.4	15	-	-	724456
3	1	55.2	15	-	-	157440
4	3	90.8	15	1814	1678	337579
5	3	95.2	15	1212	1483	518265
6	1	61.2	15	-	-	702313
7	2	68.5	15	1318	-	134896
8	1	55.6	15	-	-	316653
9	2	79.8	15	1758	-	496708
10	1	63.7	15	-	-	679614
11	1	60.5	15	-	-	112720
12	1	55.2	15	-	-	294327
13	3	98.1	15	1914	1103	473806
14	2	72.9	15	1511	-	656132
15	3	88.2	15	1426	1184	90023
16	2	83.3	15	1485	-	271463
17						
18						
19						
20						

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

Trial Number:			29			Detection (Yes/No)
Number of Bursts in Trial:			18			
Chirp Center Frequency:			5302			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	94.1	18	1223	1617	401071
2	3	93.1	18	1091	1969	561948
3	2	73	18	1976	-	60241
4	3	88.3	18	1019	1227	221080
5	2	75.9	18	1072	-	382357
6	1	50.6	18	-	-	544432
7	3	94.8	18	1496	1769	40328
8	3	96.5	18	1016	1775	201125
9	3	88.8	18	1259	1387	361510
10	1	58.2	18	-	-	524727
11	2	67.9	18	1734	-	20617
12	2	79.6	18	1416	-	181695
13	2	76.1	18	1098	-	342901
14	3	92.3	18	1140	1526	502981
15	3	97.3	18	1474	1039	783
16	1	56	18	-	-	162199
17	2	76.6	18	1636	-	322602
18	3	95	18	1661	1920	482341
19						
20						

Trial Number:			30			Detection (Yes/No)
Number of Bursts in Trial:			16			
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	2	71.3	15	1021	-	726479
2	1	60.1	15	-	-	160083
3	3	95.2	15	1224	1392	340319
4	3	84.6	15	1879	1253	521107
5	2	81	15	1109	-	703429
6	2	76.3	15	1033	-	137451
7	1	62.1	15	-	-	319352
8	2	74.6	15	1309	-	500226
9	3	95.2	15	1148	1185	680213
10	1	51.6	15	-	-	115286
11	2	72	15	1002	-	296287
12	3	85.1	15	1422	1414	476898
13	3	94.3	15	1739	1395	657030
14	2	77.9	15	1066	-	92833
15	3	85.2	15	1451	1290	273476
16	2	68	15	1303	-	455152
17						
18						
19						
20						

**DFS Radar Parameters**  
**FCC Radar Type 1**  
**Channel 62 Bandwidth 40MHz**

Trial #	Pulse Repetition Frequency Number (1 to 23)	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	6	1618.12	618	Yes
2	12	326.16	3066	Yes
3	15	1253.13	798	Yes
4	1	1930.50	518	Yes
5	3	1792.11	558	Yes
6	21	1089.32	918	Yes
7	2	1858.74	538	Yes
8	11	1392.76	718	Yes
9	5	1672.24	598	Yes
10	22	1066.10	938	Yes
11	8	1519.76	658	Yes
12	7	1567.40	638	Yes
13	9	1474.93	678	Yes
14	18	1165.50	858	Yes
15	16	1222.49	818	Yes
16		1173.71	852	Yes
17		461.89	2165	Yes
18		556.48	1797	Yes
19		1572.33	636	Yes
20		527.15	1897	Yes
21		825.76	1211	Yes
22		456.83	2189	Yes
23		963.39	1038	Yes
24		432.90	2310	Yes
25		821.69	1217	Yes
26		646.83	1546	Yes
27		364.96	2740	Yes
28		378.36	2643	Yes
29		656.17	1524	Yes
30		916.59	1091	Yes

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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	29	4.50	223	Yes
2	27	3.40	165	Yes
3	24	1.80	160	Yes
4	24	1.60	184	Yes
5	25	2.70	176	Yes
6	25	2.30	158	Yes
7	25	2.50	157	Yes
8	26	2.80	220	Yes
9	24	1.90	161	Yes
10	27	3.30	214	Yes
11	26	3.20	164	Yes
12	23	1.00	197	Yes
13	29	4.90	174	Yes
14	28	4.10	203	Yes
15	26	3.10	206	Yes
16	28	4.20	162	Yes
17	27	3.70	194	Yes
18	28	4.00	175	Yes
19	24	1.60	190	Yes
20	28	4.20	177	No
21	26	3.00	218	Yes
22	28	3.90	183	Yes
23	26	3.00	170	Yes
24	27	3.70	230	Yes
25	27	3.50	205	Yes
26	28	4.10	202	Yes
27	23	1.30	226	Yes
28	27	3.50	201	Yes
29	28	4.30	188	Yes
30	27	3.70	168	Yes

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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	18	9.50	450	Yes
2	17	8.40	240	Yes
3	16	6.80	474	Yes
4	16	6.60	263	Yes
5	17	7.70	488	Yes
6	17	7.30	467	Yes
7	17	7.50	310	Yes
8	17	7.80	447	Yes
9	16	6.90	412	Yes
10	17	8.30	350	Yes
11	17	8.20	336	Yes
12	16	6.00	384	Yes
13	18	9.90	377	Yes
14	18	9.10	210	Yes
15	17	8.10	443	Yes
16	18	9.20	206	Yes
17	17	8.70	395	Yes
18	18	9.00	343	Yes
19	16	6.60	414	Yes
20	18	9.20	262	Yes
21	17	8.00	387	Yes
22	18	8.90	382	Yes
23	17	8.00	225	Yes
24	18	8.70	300	Yes
25	17	8.50	315	Yes
26	18	9.10	492	Yes
27	16	6.30	462	Yes
28	17	8.50	400	Yes
29	18	9.30	346	Yes
30	18	8.70	214	Yes

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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	16	18.80	450	Yes
2	14	16.30	240	Yes
3	13	12.90	474	Yes
4	12	12.50	263	Yes
5	14	14.80	488	No
6	13	14.00	467	Yes
7	13	14.40	310	Yes
8	14	15.00	447	Yes
9	13	13.10	412	Yes
10	14	16.20	350	Yes
11	14	15.90	336	Yes
12	12	11.00	384	No
13	16	19.80	377	Yes
14	15	17.80	210	Yes
15	14	15.80	443	Yes
16	15	18.10	206	Yes
17	15	17.00	395	Yes
18	15	17.70	343	Yes
19	12	12.30	414	Yes
20	16	18.20	262	Yes
21	14	15.40	387	Yes
22	15	17.50	382	Yes
23	14	15.60	225	Yes
24	15	17.10	300	Yes
25	15	16.60	315	Yes
26	15	18.00	492	No
27	12	11.80	462	Yes
28	15	16.70	400	Yes
29	16	18.40	346	Yes
30	15	17.10	214	Yes



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

Trial Number:			1			Detection (Yes/No)
Number of Bursts in Trial:			19			
Chirp Center Frequency:			5310			
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	93.3	18	1096	1652	67813
2	2	79.4	18	1064	-	220548
3	1	60.6	18	-	-	373921
4	1	58.5	18	-	-	526636
5	2	71.3	18	1374	-	49152
6	2	66.8	18	1082	-	201691
7	2	68.9	18	1955	-	353555
8	2	72.3	18	1707	-	506705
9	1	61.8	18	-	-	30460
10	2	78.9	18	1371	-	182826
11	2	77.1	18	1396	-	335561
12	1	50	18	-	-	488987
13	3	98.5	18	1211	1648	11592
14	3	87.9	18	1336	1398	163846
15	2	76.7	18	1080	-	316687
16	3	89.4	18	1195	1190	468594
17	2	83.3	18	1598	-	621430
18	3	87	18	1481	1859	144974
19	1	57.5	18	-	-	298507
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Trial Number:			2			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5310			
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	90	14	1363	1353	570095
2	2	74.6	14	1092	-	764596
3	3	86.2	14	1958	1306	160128
4	2	75.6	14	1821	-	353659
5	3	84	14	1180	1274	546581
6	2	80.9	14	1480	-	740244
7	3	89	14	1305	1846	136359
8	1	54.5	14	-	-	330362
9	2	81.7	14	1657	-	523256
10	3	91	14	1811	1071	714819
11	3	83.9	14	1505	1529	112628
12	1	61.8	14	-	-	306804
13	2	78.7	14	1357	-	499270
14	2	69.6	14	1479	-	693114
15	3	83.4	14	1323	1076	88838
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 62 Bandwidth 40MHz**

Trial Number:			3			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5310			
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	78.6	8	1043	-	424290
2	3	88.2	8	1650	1308	713095
3	2	71.5	8	1827	-	1004138
4	2	79.8	8	1832	-	97873
5	1	65.8	8	-	-	388705
6	2	68.4	8	1850	-	678077
7	1	56.3	8	-	-	969940
8	1	62.9	8	-	-	62177
9	2	81.4	8	1200	-	352583
10	2	78.5	8	1855	-	642502
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Trial Number:			4			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5310			
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	70.6	7	1567	-	932820
2	1	54.5	7	-	-	26396
3	3	92.4	7	1589	1629	316214
4	2	82.2	7	1942	-	606645
5	1	57.3	7	-	-	898201
6	2	71.4	7	1279	-	1187383
7	1	57.9	7	-	-	281160
8	1	52.8	7	-	-	571814
9	3	89.1	7	1233	1559	860442
10	3	88.5	7	1944	1232	1150525
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 62 Bandwidth 40MHz**

Trial Number:			5			Detection (Yes/No)
Number of Bursts in Trial:			13			
Chirp Center Frequency:			5310			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	54.8	11	-	-	188800
2	1	57.1	11	-	-	412069
3	1	53.8	11	-	-	635989
4	2	76.7	11	1317	-	857852
5	2	77.6	11	1885	-	160958
6	2	82.3	11	1764	-	384073
7	1	62.2	11	-	-	608268
8	3	87.3	11	1731	1061	829220
9	2	81.3	11	1881	-	133384
10	2	78	11	1352	-	356826
11	2	67	11	1623	-	579813
12	3	98.4	11	1097	1491	801611
13	2	80.5	11	1004	-	105980
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Trial Number:			6			Detection (Yes/No)
Number of Bursts in Trial:			12			
Chirp Center Frequency:			5310			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	65	10	-	-	357085
2	1	59.2	10	-	-	599475
3	3	88.5	10	1575	1285	838786
4	2	67.9	10	1709	-	85000
5	1	53.5	10	-	-	327224
6	2	71.2	10	1961	-	568533
7	3	89.2	10	1231	1361	809936
8	3	83.7	10	1273	1978	55187
9	1	61.6	10	-	-	297423
10	1	54.7	10	-	-	539886
11	3	97.1	10	1941	1986	778856
12	1	63.3	10	-	-	25532
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 62 Bandwidth 40MHz**

Trial Number:			7			Detection (Yes/No)
Number of Bursts in Trial:			12			
Chirp Center Frequency:			5310			
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	76.3	11	1870	-	267279
2	3	96.7	11	1946	1577	508310
3	2	72.4	11	1079	-	751342
4	2	74.3	11	1691	-	992638
5	2	69.6	11	1625	-	237561
6	2	76	11	1382	-	479391
7	1	59	11	-	-	721836
8	3	89.7	11	1729	1335	961805
9	2	81.1	11	1645	-	207654
10	2	78.5	11	1218	-	449634
11	2	71.5	11	1159	-	691623
12	3	84.4	11	1362	1349	931651
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Trial Number:			8			Detection (Yes/No)
Number of Bursts in Trial:			13			
Chirp Center Frequency:			5310			
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	94.8	12	1637	1970	163869
2	1	52.1	12	-	-	387914
3	3	83.5	12	1886	1548	609435
4	1	56.1	12	-	-	834662
5	2	69	12	1672	-	136629
6	2	81.7	12	1384	-	360064
7	1	53.4	12	-	-	583848
8	1	61.4	12	-	-	807127
9	2	72.2	12	1752	-	109161
10	2	74.1	12	1475	-	332489
11	2	77.3	12	1424	-	555284
12	2	72.9	12	1010	-	779336
13	2	68.9	12	1774	-	81685
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 62 Bandwidth 40MHz**

Trial Number:			9			Detection (Yes/No)
Number of Bursts in Trial:			11			
Chirp Center Frequency:			5310			
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	53.4	8	-	-	361009
2	1	54.4	8	-	-	624988
3	2	81.7	8	1208	-	888838
4	3	100	8	1059	1397	64125
5	1	54.8	8	-	-	328482
6	3	93.3	8	1732	1680	590709
7	1	52.3	8	-	-	856605
8	1	56.7	8	-	-	31691
9	1	63.3	8	-	-	296036
10	1	51.3	8	-	-	559990
11	3	85.7	8	1932	1525	821457
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Trial Number:			10			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5310			
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	89.9	14	1445	1701	795205
2	1	62.9	14	-	-	192944
3	1	61.7	14	-	-	386721
4	1	51.9	14	-	-	580638
5	1	58	14	-	-	773608
6	1	58.7	14	-	-	169262
7	3	99.4	14	1150	1608	361589
8	3	86.6	14	1597	1136	554918
9	3	87.8	14	1937	1403	746794
10	1	54.1	14	-	-	145420
11	2	73.1	14	1862	-	338076
12	1	51.4	14	-	-	532821
13	3	87.8	14	1649	1600	723676
14	2	83.1	14	1249	-	121286
15	1	64.6	14	-	-	315054
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 62 Bandwidth 40MHz**

Trial Number:			11			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5297			
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	79.9	13	1437	-	507880
2	1	51.2	13	-	-	702156
3	3	85.6	13	1036	1052	97392
4	3	91.1	13	1717	1721	290075
5	1	52.2	13	-	-	484839
6	2	69.4	13	1065	-	677387
7	3	99.5	13	1022	1741	73535
8	1	55.4	13	-	-	267386
9	1	66.1	13	-	-	461266
10	2	71.5	13	1654	-	653276
11	2	77.4	13	1730	-	49811
12	3	89.7	13	1853	1042	242746
13	2	76.3	13	1755	-	436174
14	3	85.3	13	1544	1413	628740
15	2	69.1	13	1888	-	25997
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Trial Number:			12			Detection (Yes/No)
Number of Bursts in Trial:			8			
Chirp Center Frequency:			5294			
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	77.6	5	1620	-	411857
2	2	81.5	5	1674	-	775049
3	1	50.8	5	-	-	1138987
4	3	97.8	5	1788	1747	4127
5	1	66.2	5	-	-	367635
6	1	56.1	5	-	-	731153
7	2	69.9	5	1417	-	1093704
8	1	51.4	5	-	-	1457595
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 62 Bandwidth 40MHz**

Trial Number:			13			Detection (Yes/No)
Number of Bursts in Trial:			20			
Chirp Center Frequency:			5300			
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	53.4	20	-	-	128920
2	1	63.5	20	-	-	273994
3	2	74.7	20	1713	-	417804
4	3	90.8	20	1337	1815	561703
5	3	85.1	20	1242	1370	110491
6	1	64.7	20	-	-	256355
7	2	80.3	20	1984	-	400076
8	1	52.9	20	-	-	546866
9	3	93.9	20	1230	1226	92823
10	2	66.8	20	1831	-	237745
11	3	90.2	20	1250	1792	381243
12	1	63.3	20	-	-	528982
13	1	51	20	-	-	75251
14	2	71.1	20	1635	-	219776
15	2	72.2	20	1380	-	365056
16	3	99.1	20	1003	1194	508768
17	1	66.3	20	-	-	57453
18	3	90.4	20	1332	1897	201333
19	1	57.5	20	-	-	347724
20	3	95.6	20	1333	1518	490637

Trial Number:			14			Detection (Yes/No)
Number of Bursts in Trial:			17			
Chirp Center Frequency:			5299			
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	80.5	17	1344	-	46429
2	2	80.7	17	1968	-	216667
3	2	69	17	1664	-	387292
4	2	73.1	17	1838	-	557201
5	1	51.2	17	-	-	25494
6	2	68.7	17	1644	-	195776
7	2	76.5	17	1610	-	366403
8	3	91.7	17	1582	1527	535733
9	1	50.5	17	-	-	4436
10	3	90	17	1912	1448	174500
11	2	66.8	17	1735	-	345397
12	1	58.5	17	-	-	517178
13	1	60	17	-	-	687828
14	3	99.9	17	1101	1522	153623
15	2	82.2	17	1402	-	324401
16	2	77.6	17	1468	-	495207
17	2	77.6	17	1077	-	665418
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 62 Bandwidth 40MHz**

Trial Number:		15				Detection (Yes/No)
Number of Bursts in Trial:		14				
Chirp Center Frequency:		5297				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	78.6	13	1438	-	161495
2	1	64.4	13	-	-	369253
3	3	90.7	13	1921	1561	574534
4	3	85.8	13	1959	1869	780840
5	2	68.6	13	1696	-	135974
6	3	83.5	13	1834	1939	342234
7	2	72.9	13	1113	-	550387
8	3	86.1	13	1341	1840	756294
9	2	72	13	1405	-	110471
10	2	68	13	1562	-	317782
11	1	56.4	13	-	-	525591
12	1	59.2	13	-	-	733184
13	1	51.7	13	-	-	85098
14	2	81.5	13	1282	-	292037
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Trial Number:		16				Detection (Yes/No)
Number of Bursts in Trial:		18				
Chirp Center Frequency:		5299				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	75.8	17	1619	-	387833
2	3	98.7	17	1895	1684	547120
3	2	74.4	17	1655	-	46171
4	2	71	17	1593	-	207220
5	2	72.8	17	1738	-	367953
6	3	94.5	17	1133	1843	528140
7	1	51.6	17	-	-	26404
8	3	89.6	17	1560	1695	186841
9	1	66.4	17	-	-	349231
10	3	88.2	17	1013	1467	508439
11	3	88.6	17	1668	1783	6505
12	1	52.3	17	-	-	167889
13	1	53.8	17	-	-	329155
14	1	50	17	-	-	490502
15	2	81.6	17	1784	-	650506
16	1	53.3	17	-	-	147890
17	1	51.2	17	-	-	309174
18	3	89	17	1441	1768	468165
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 62 Bandwidth 40MHz**

Trial Number:		17				Detection (Yes/No)
Number of Bursts in Trial:		16				
Chirp Center Frequency:		5298				
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing ( $\mu$ sec)	Pulse 2-to-3 Spacing ( $\mu$ sec)	Starting Location Within Interval ( $\mu$ sec)
1	3	94.7	15	1326	1778	708585
2	2	71.5	15	1931	-	143814
3	3	87.7	15	1836	1584	324161
4	2	76	15	1651	-	506091
5	2	66.8	15	1400	-	687542
6	1	59.7	15	-	-	121861
7	1	61.9	15	-	-	303456
8	3	97.2	15	1037	1591	483459
9	3	96.2	15	1342	1298	664031
10	3	87	15	1595	1258	99132
11	2	79.2	15	1054	-	280589
12	1	50.6	15	-	-	462560
13	2	70	15	1488	-	643114
14	2	82.5	15	1604	-	76967
15	3	98.8	15	1162	1773	257573
16	1	58.5	15	-	-	439873
17						
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Trial Number:		18				Detection (Yes/No)
Number of Bursts in Trial:		17				
Chirp Center Frequency:		5298				
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing ( $\mu$ sec)	Pulse 2-to-3 Spacing ( $\mu$ sec)	Starting Location Within Interval ( $\mu$ sec)
1	3	91	16	1566	1433	582651
2	1	59.9	16	-	-	51506
3	3	85.6	16	1171	1247	221657
4	2	78.8	16	1244	-	392444
5	1	59.3	16	-	-	564123
6	2	83.2	16	1966	-	30356
7	2	75.9	16	1669	-	200871
8	3	89.1	16	1386	1781	370403
9	3	98.1	16	1120	1401	540811
10	1	52.4	16	-	-	9419
11	3	97.3	16	1947	1748	179240
12	1	66.2	16	-	-	351161
13	2	79.6	16	1125	-	521383
14	2	72.8	16	1536	-	691566
15	1	54.5	16	-	-	159271
16	2	68.7	16	1277	-	329316
17	2	66.8	16	1047	-	500127
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 62 Bandwidth 40MHz**

Trial Number:		19				Detection (Yes/No)
Number of Bursts in Trial:		9				
Chirp Center Frequency:		5295				
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	67.5	7	1205	-	1269141
2	1	64.6	7	-	-	261178
3	2	80.3	7	1476	-	583510
4	3	93.8	7	1839	1997	904686
5	3	99.9	7	1199	1376	1227728
6	2	81.8	7	1817	-	221085
7	1	64.6	7	-	-	544388
8	1	59.1	7	-	-	867459
9	2	75.7	7	1350	-	1189236
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Trial Number:		20				Detection (Yes/No)
Number of Bursts in Trial:		18				
Chirp Center Frequency:		5299				
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	98.3	17	1845	1017	90275
2	1	64.6	17	-	-	251942
3	1	60.3	17	-	-	413622
4	1	65.7	17	-	-	574596
5	2	68.1	17	1134	-	70714
6	1	56.1	17	-	-	232082
7	1	53.6	17	-	-	393547
8	3	95.4	17	1549	1331	552076
9	1	59	17	-	-	51013
10	2	71.7	17	1962	-	211766
11	2	67.7	17	1653	-	372732
12	2	72.4	17	1980	-	533639
13	2	79.7	17	1068	-	31082
14	1	61.4	17	-	-	192417
15	3	95.6	17	1269	1111	352614
16	3	98.7	17	1706	1466	512899
17	2	78	17	1615	-	11221
18	1	64.3	17	-	-	172613
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 62 Bandwidth 40MHz**

Trial Number:			21			Detection (Yes/No)
Number of Bursts in Trial:			14			
Chirp Center Frequency:			5323			
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	62.5	12	-	-	429459
2	3	95.8	12	1391	1063	635373
3	2	67.5	12	1204	-	842986
4	2	73.4	12	1411	-	196033
5	2	82.5	12	1141	-	403261
6	1	60.5	12	-	-	611418
7	3	83.9	12	1503	1689	815471
8	1	52.5	12	-	-	170915
9	2	67.9	12	1700	-	377461
10	2	68.5	12	1412	-	585223
11	1	64.7	12	-	-	793466
12	3	91.2	12	1462	1642	144855
13	2	78.1	12	1564	-	352375
14	2	71	12	1243	-	559672
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Trial Number:			22			Detection (Yes/No)
Number of Bursts in Trial:			17			
Chirp Center Frequency:			5322			
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	69.6	16	1979	-	630513
2	3	83.7	16	1152	1837	98197
3	3	85	16	1127	1795	268113
4	1	61.2	16	-	-	439977
5	2	78.8	16	1745	-	609338
6	2	82.3	16	1443	-	77363
7	3	84.3	16	1327	1587	247348
8	3	91.1	16	1665	1073	417670
9	1	62.5	16	-	-	590203
10	3	84.3	16	1431	1123	56279
11	1	63.8	16	-	-	227331
12	2	82.8	16	1358	-	397253
13	1	51	16	-	-	568708
14	3	94.4	16	1348	1463	35283
15	3	87.8	16	1771	1478	205347
16	1	53.1	16	-	-	377293
17	3	84.8	16	1693	1129	545977
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 62 Bandwidth 40MHz**

Trial Number:		23				Detection (Yes/No)
Number of Bursts in Trial:		14				
Chirp Center Frequency:		5323				
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	95.2	13	1779	1299	17436
2	2	71.9	13	1662	-	224602
3	2	67.5	13	1031	-	432147
4	1	52	13	-	-	640045
5	1	63.4	13	-	-	847760
6	1	58.1	13	-	-	199351
7	2	74.9	13	1228	-	406211
8	2	82.2	13	1484	-	613632
9	3	99.8	13	1504	1737	818431
10	2	81.8	13	1861	-	173581
11	1	65.6	13	-	-	381508
12	3	88.2	13	1757	1094	586677
13	3	85.1	13	1262	1874	793896
14	2	80.7	13	1658	-	147977
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Trial Number:		24				Detection (Yes/No)
Number of Bursts in Trial:		16				
Chirp Center Frequency:		5322				
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	67.9	15	1714	-	310464
2	3	93.7	15	1611	1520	490490
3	3	96.7	15	1956	1723	670595
4	1	52.7	15	-	-	107425
5	3	96	15	1957	1495	287524
6	2	76.5	15	1704	-	469347
7	3	84.3	15	1130	1399	649619
8	2	69.8	15	1193	-	84912
9	3	95.7	15	1053	1432	265820
10	2	80	15	1345	-	447511
11	2	71.4	15	1805	-	627976
12	2	83.2	15	1222	-	62543
13	2	83.3	15	1161	-	243827
14	1	59.5	15	-	-	426016
15	3	99.7	15	1049	1449	605285
16	1	59.5	15	-	-	40314
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 62 Bandwidth 40MHz**

Trial Number:		25				Detection (Yes/No)
Number of Bursts in Trial:		16				
Chirp Center Frequency:		5322				
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	89.6	14	1217	1493	221161
2	1	64.7	14	-	-	403630
3	1	64.8	14	-	-	585036
4	3	83.8	14	1360	1229	17884
5	2	69.5	14	1985	-	198862
6	2	69.3	14	1500	-	380096
7	1	60.5	14	-	-	562198
8	2	68.9	14	1876	-	742377
9	1	56.2	14	-	-	177019
10	2	75.5	14	1009	-	358332
11	1	60	14	-	-	540464
12	2	79	14	1877	-	720227
13	2	79	14	1519	-	154374
14	1	50.4	14	-	-	336180
15	2	68.7	14	1898	-	516520
16	1	52.9	14	-	-	699385
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Trial Number:		26				Detection (Yes/No)
Number of Bursts in Trial:		18				
Chirp Center Frequency:		5321				
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	77.5	17	1050	-	117499
2	1	53.5	17	-	-	279154
3	3	95.9	17	1820	1026	438499
4	3	89.2	17	1928	1319	598740
5	1	54.3	17	-	-	97771
6	3	91.6	17	1377	1616	257902
7	3	91.9	17	1028	1058	419134
8	2	76.6	17	1157	-	581043
9	1	50.4	17	-	-	77879
10	2	75.4	17	1440	-	238903
11	2	76.2	17	1328	-	399671
12	3	87.6	17	1469	1291	559209
13	2	80.6	17	1090	-	57945
14	2	80.3	17	1612	-	218997
15	2	74.9	17	1307	-	379902
16	1	65.3	17	-	-	541836
17	2	82.5	17	1550	-	38096
18	3	90.3	17	1847	1634	198477
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 62 Bandwidth 40MHz**

Trial Number:			27			Detection (Yes/No)
Number of Bursts in Trial:			9			
Chirp Center Frequency:			5326			
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	92.3	6	1683	1521	720947
2	1	50.8	6	-	-	1045308
3	2	73.4	6	1618	-	36611
4	1	51.3	6	-	-	359614
5	1	61.2	6	-	-	682665
6	3	98.7	6	1378	1069	1003575
7	2	83.1	6	1780	-	1327374
8	2	77.7	6	1220	-	319530
9	3	96.6	6	1163	1460	641408
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Trial Number:			28			Detection (Yes/No)
Number of Bursts in Trial:			16			
Chirp Center Frequency:			5322			
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	70.5	15	1666	-	541939
2	1	66.4	15	-	-	724456
3	1	55.2	15	-	-	157440
4	3	90.8	15	1814	1678	337579
5	3	95.2	15	1212	1483	518265
6	1	61.2	15	-	-	702313
7	2	68.5	15	1318	-	134896
8	1	55.6	15	-	-	316653
9	2	79.8	15	1758	-	496708
10	1	63.7	15	-	-	679614
11	1	60.5	15	-	-	112720
12	1	55.2	15	-	-	294327
13	3	98.1	15	1914	1103	473806
14	2	72.9	15	1511	-	656132
15	3	88.2	15	1426	1184	90023
16	2	83.3	15	1485	-	271463
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19						
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**DFS Radar Parameters**  
**FCC Radar Type 5**  
**Channel 62 Bandwidth 40MHz**

Trial Number:			29			Detection (Yes/No) Yes
Number of Bursts in Trial:			18			
Chirp Center Frequency:			5321			
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	94.1	18	1223	1617	401071
2	3	93.1	18	1091	1969	561948
3	2	73	18	1976	-	60241
4	3	88.3	18	1019	1227	221080
5	2	75.9	18	1072	-	382357
6	1	50.6	18	-	-	544432
7	3	94.8	18	1496	1769	40328
8	3	96.5	18	1016	1775	201125
9	3	88.8	18	1259	1387	361510
10	1	58.2	18	-	-	524727
11	2	67.9	18	1734	-	20617
12	2	79.6	18	1416	-	181695
13	2	76.1	18	1098	-	342901
14	3	92.3	18	1140	1526	502981
15	3	97.3	18	1474	1039	783
16	1	56	18	-	-	162199
17	2	76.6	18	1636	-	322602
18	3	95	18	1661	1920	482341
19						
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Trial Number:			30			Detection (Yes/No) Yes
Number of Bursts in Trial:			16			
Chirp Center Frequency:			5322			
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	71.3	15	1021	-	726479
2	1	60.1	15	-	-	160083
3	3	95.2	15	1224	1392	340319
4	3	84.6	15	1879	1253	521107
5	2	81	15	1109	-	703429
6	2	76.3	15	1033	-	137451
7	1	62.1	15	-	-	319352
8	2	74.6	15	1309	-	500226
9	3	95.2	15	1148	1185	680213
10	1	51.6	15	-	-	115286
11	2	72	15	1002	-	296287
12	3	85.1	15	1422	1414	476898
13	3	94.3	15	1739	1395	657030
14	2	77.9	15	1066	-	92833
15	3	85.2	15	1451	1290	273476
16	2	68	15	1303	-	455152
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