



FCC DFS TEST REPORT

FCC ID : 2ATQRSMODBV3
Equipment : SkydioLink Third Generation Radio Module
Brand Name : Skydio
Model Name : SMODBV3
Applicant : Skydio, Inc.
3000 Clearview Way San Mateo, CA 94402
Manufacturer : Skydio, Inc.
3000 Clearview Way San Mateo, CA 94402
Standard : FCC Part 15 Subpart E

The product was received on Feb. 16, 2023 and testing was performed from May 23, 2023 to May 30, 2023. We, Sporton International (USA) Inc., would like to declare that the tested sample has been evaluated in accordance with the procedures given in FCC Part 15 Subpart E and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (USA) Inc., the test report shall not be reproduced except in full.

Approved by: Lance Tang

Sporton International (USA) Inc.

1175 Montague Expressway, Milpitas, CA 95035

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History of this test report

Report No.	Version	Description	Issue Date
FZ230303001B	01	Initial issue of report	Jun. 23, 2023

Summary of Test Result

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

Conformity Assessment Condition:

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

Disclaimer:

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

1 General Description

1.1 Feature of Equipment Under Test

Product Feature	
General Specs Wi-Fi 2.4GHz 802.11g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax.	
Antenna Type WLAN: Dipole Antenna Antenna 0: 2.4GHz/5GHz band Tx/Rx Antenna 1: Rx only Antenna 2: 2.4GHz/5GHz band Tx/Rx Antenna 3: Rx only	
FW version: P2GoldenSPC_ver1.1.0 HW version: 360-207231-000-3	

Antenna information (Low Gain Antenna)		
Type	Dipole Antenna	
Model	360-205976-000	
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 0: 1.90 Ant. 2: 2.10

Antenna information (Low Gain Antenna)		
Type	Dipole Antenna	
Model	360-208447-000	
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 0: 1.33 Ant. 2: 1.37

Remark:

1. This device is a software define radio (SDR), in which the operation modes can be configured to work as a master or a slave while integrated into specific hosts.
2. The testing is performed on master mode. Whereas the test result of client (slave) mode is issued in another test report.
3. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.2 Modification of EUT

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

1.3 Testing Facility

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

1.4 Applied Standards

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

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

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

1.5 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	HW / FW Version	Power Cord
1.	Notebook	MSI	MS-16J5	PD93165NG	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	Notebook	Dell XPS Laptop	P91F	PD9AX201D2	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Notebook	Dell XPS Laptop	P91F	PD9AX201D2	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	WLAN AP	Skydio	SMODBV3	2ATQRSMODBV3	N/A	Unshielded, 1.8 m

2 Requirements and Parameters for DFS Test

2.1 Summary of Dynamic Frequency Selection Test

UNII	Description	Limit
U-NII Band 2-C 5470-5725 MHz	Channel Availability Check Time	> 60sec
	U-NII Detection Bandwidth	> 100% of the U-NII 99% transmission power bandwidth
	Statistical Performance Check	Type 1,2,3,4 >= 60% 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 $\geq$ 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
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note 3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

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

2.4 DFS Response requirement values

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

Table 4: DFS Response Requirement Values

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

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 $\left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{PRI_{\mu sec}} \right) \right\}$	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: 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

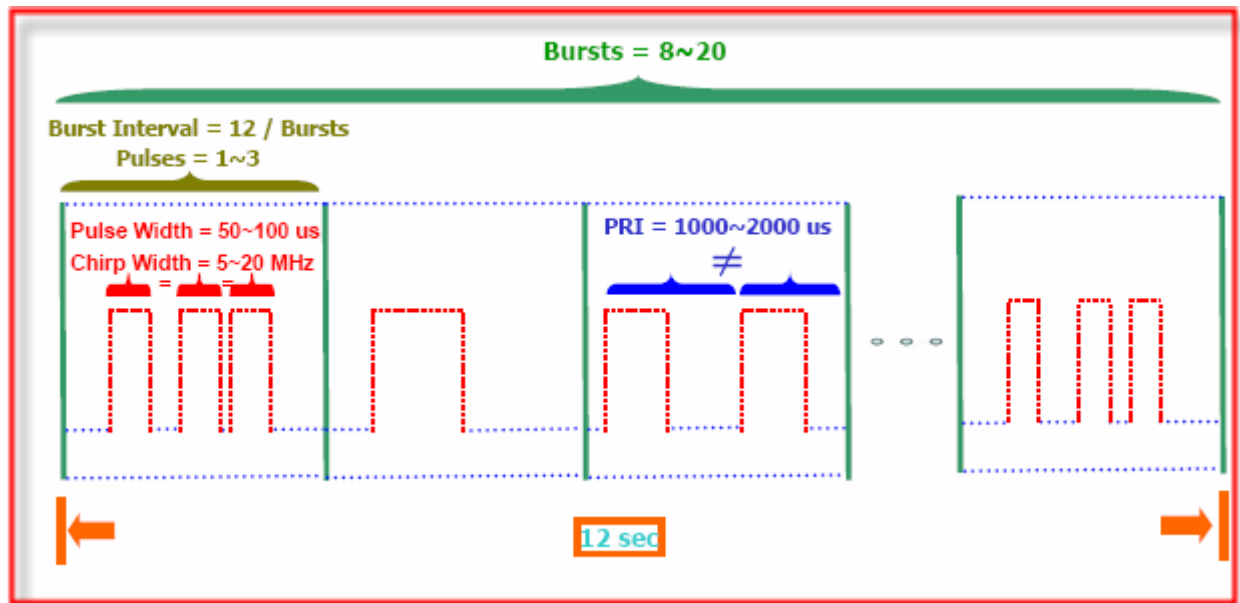
The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse radar test signal. If more than 30 waveforms are used for the Long Pulse radar test signal, then each additional waveform must also be unique and not repeated from the previous waveforms. Each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

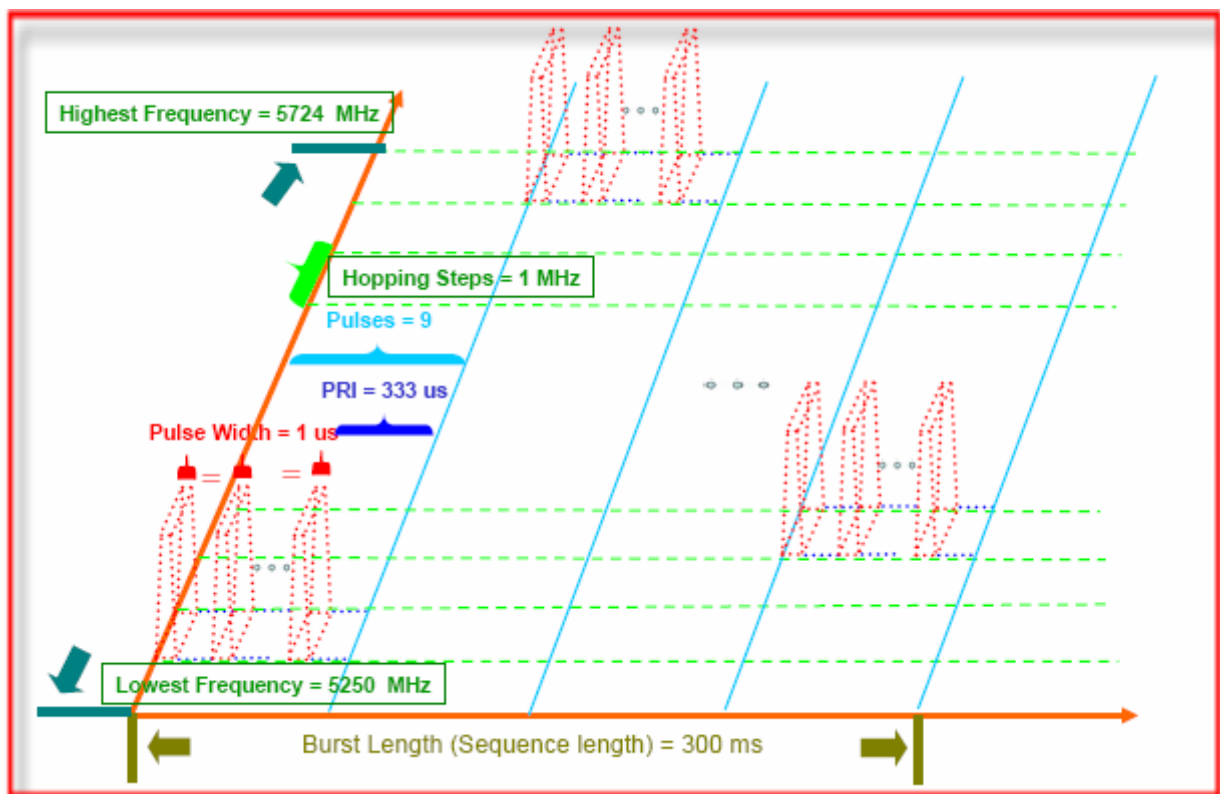


2.7 Frequency Hopping Radar Test Waveform

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.



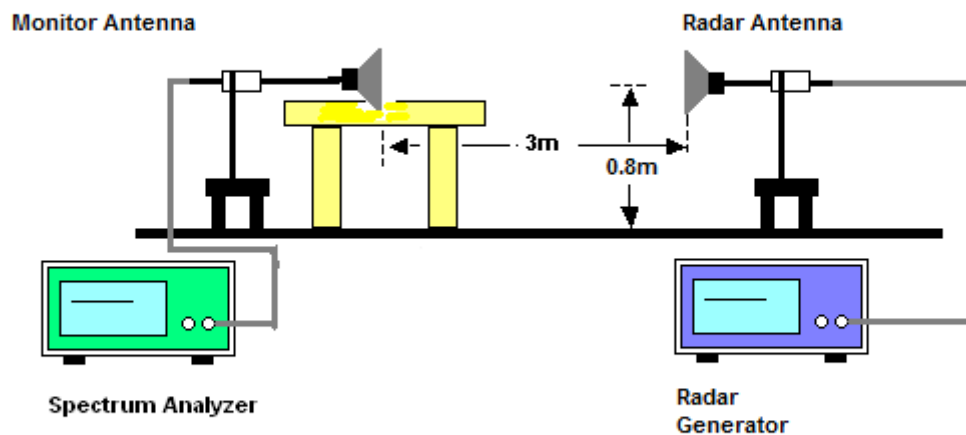
3 Calibration Setup and DFS Test Results

3.1 Calibration of Radar Waveform

3.1.1 Radar Waveform Calibration Procedure

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

3.1.2 Calibration Setup



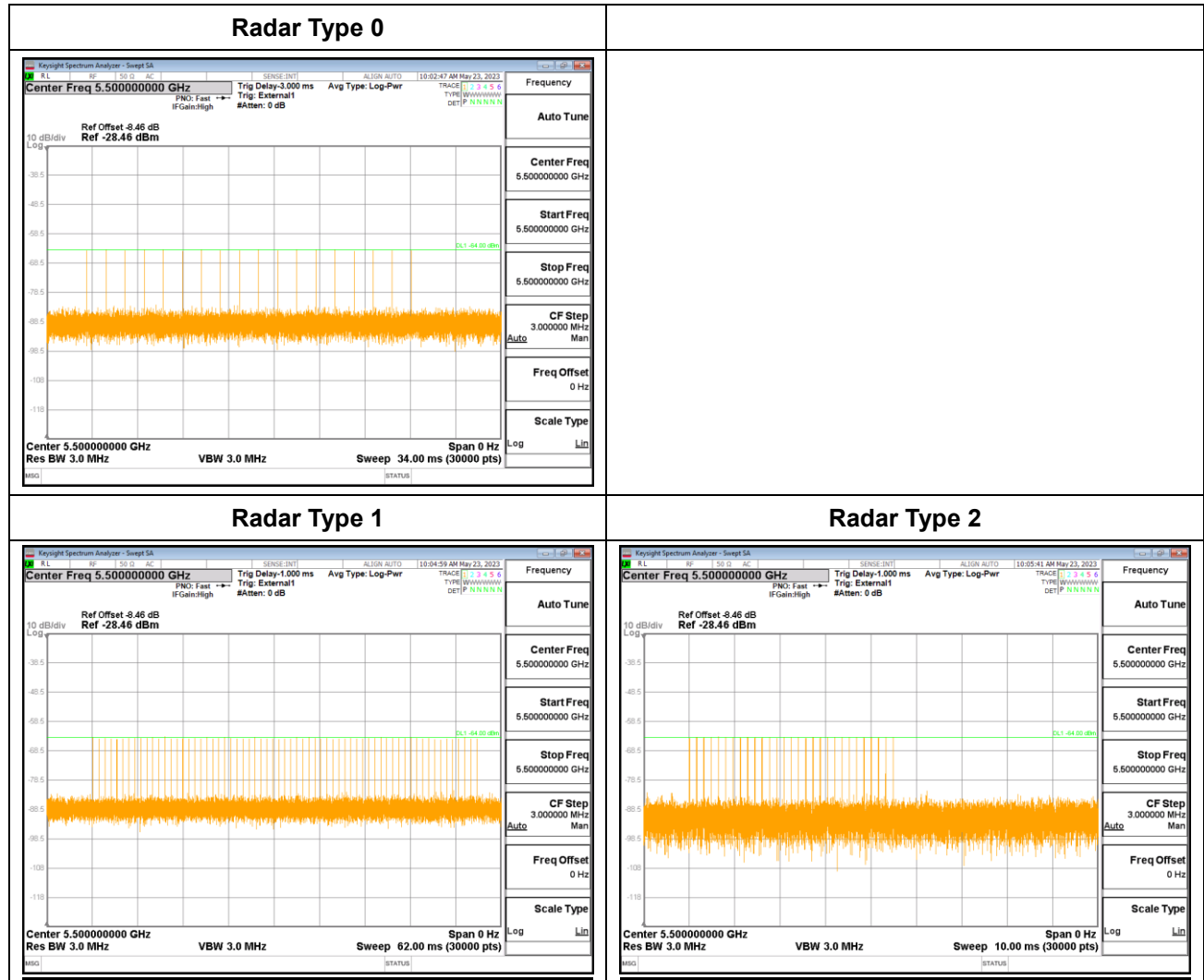
3.1.3 Calibration Deviation

There is no deviation with the original standard.



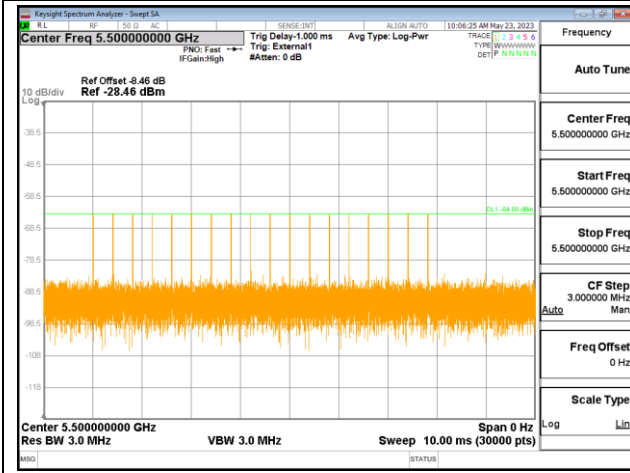
3.1.4 Radar Waveform Calibration Result

<20MHz / 5500MHz>

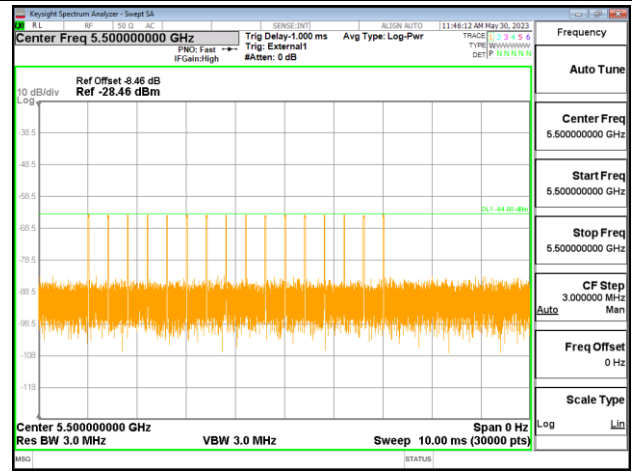




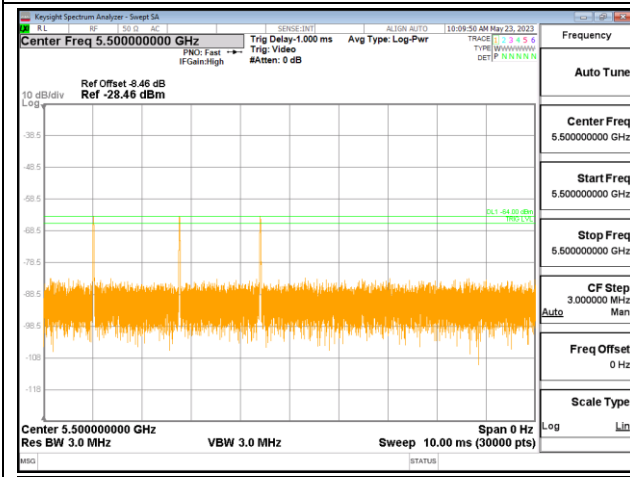
Radar Type 3



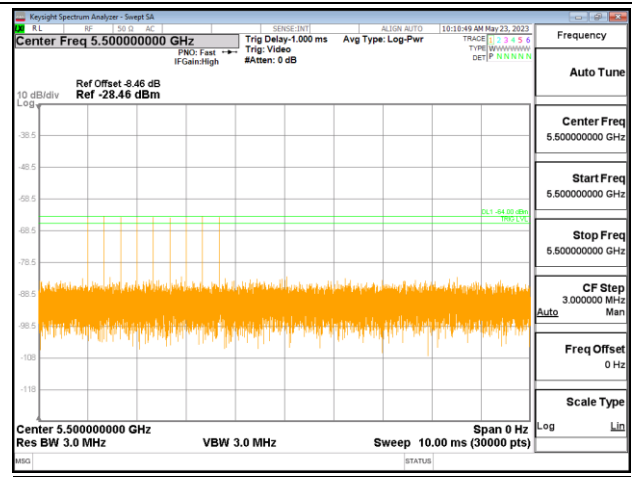
Radar Type 4



Single Burst of Radar Type 5



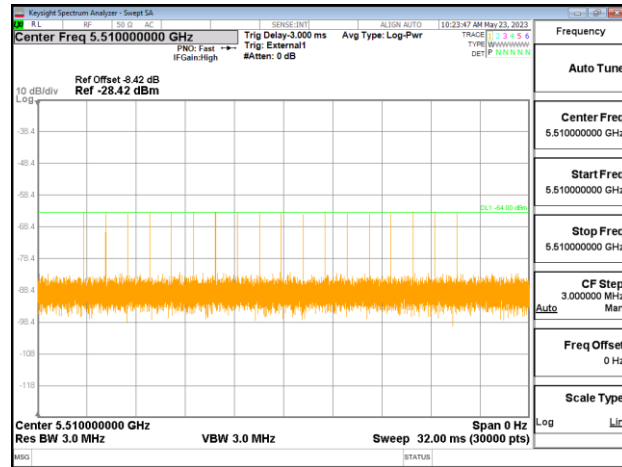
Single Burst of Radar Type 6



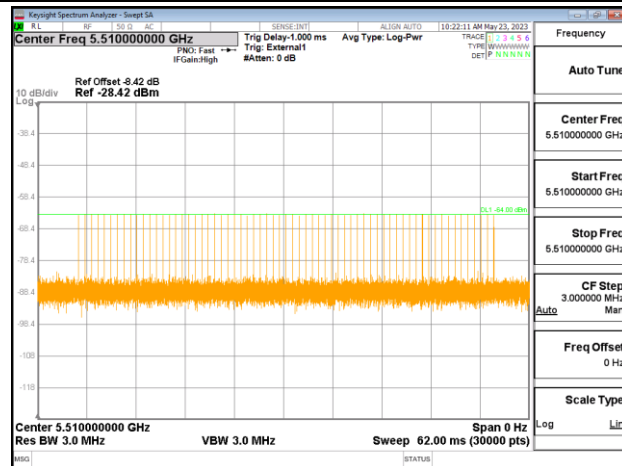


<40MHz / 5510MHz>

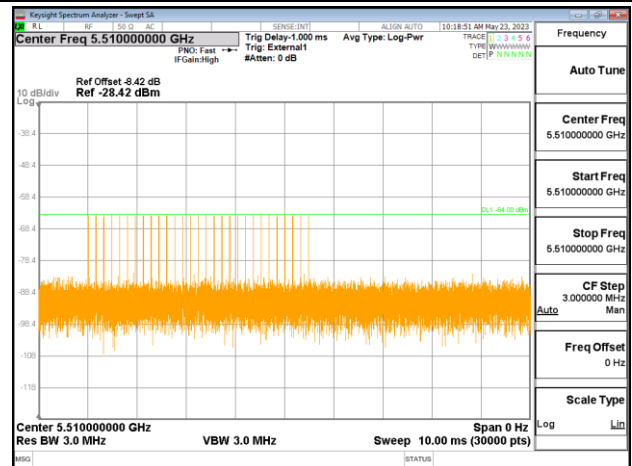
Radar Type 0



Radar Type 1

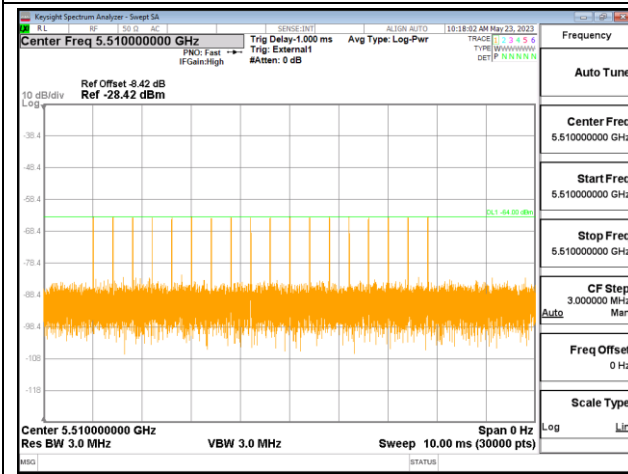


Radar Type 2

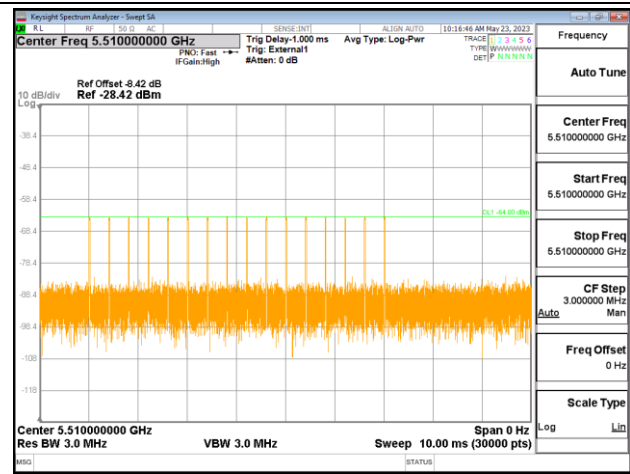




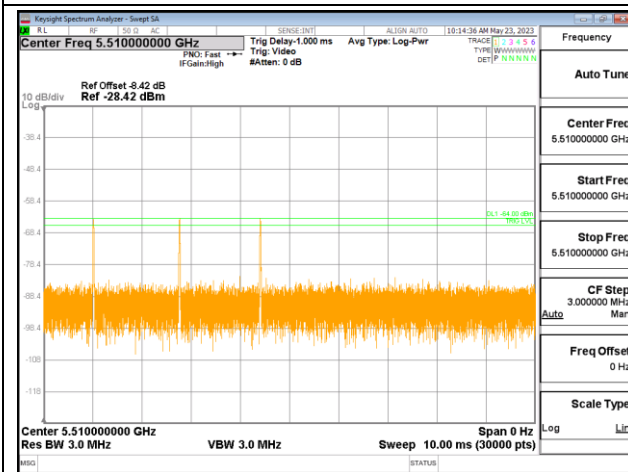
Radar Type 3



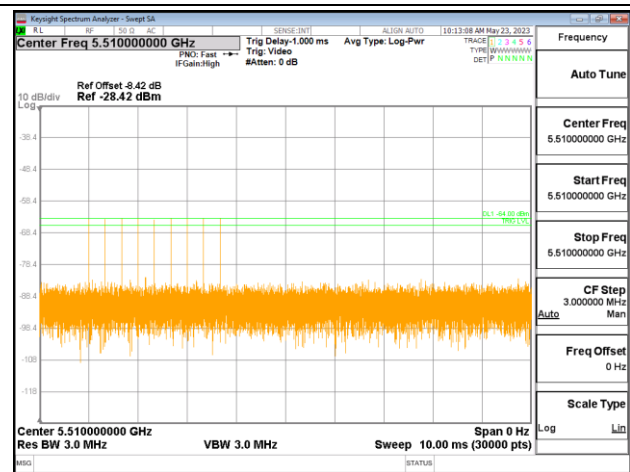
Radar Type 4



Single Burst of Radar Type 5



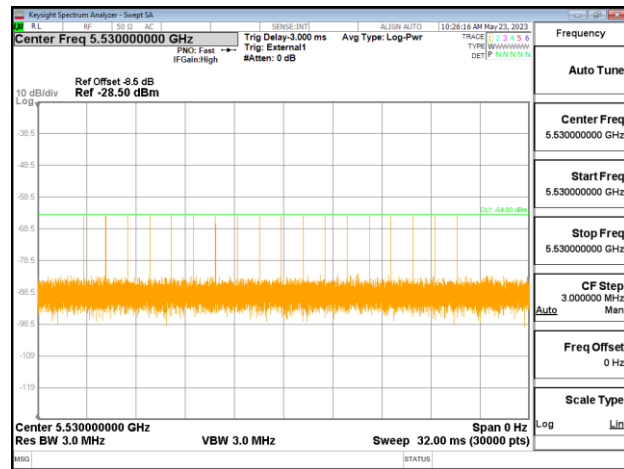
Single Burst of Radar Type 6



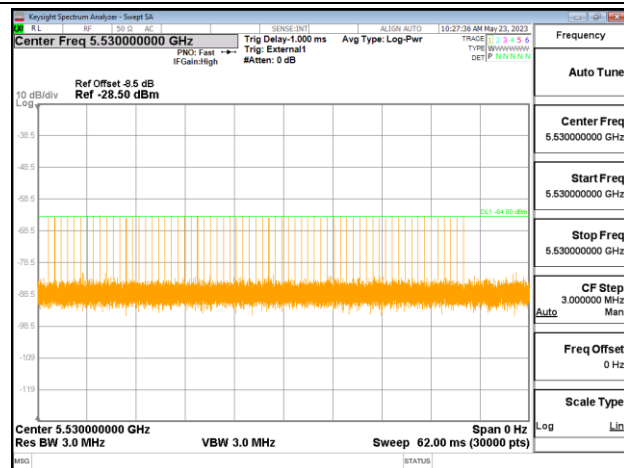


<80MHz / 5530MHz>

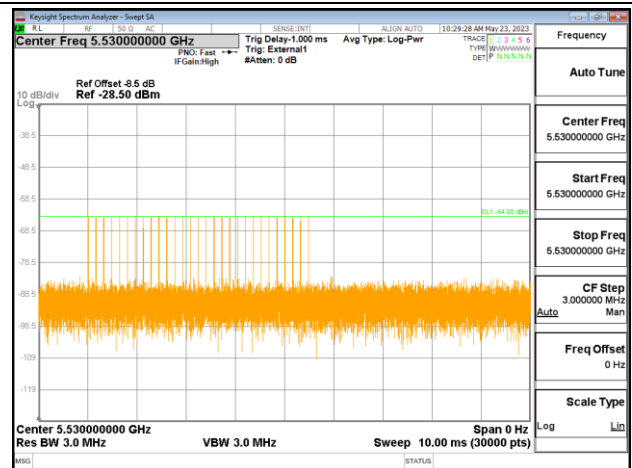
Radar Type 0



Radar Type 1

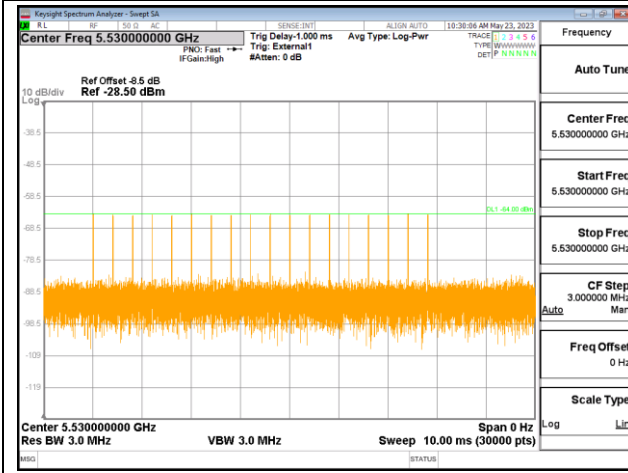


Radar Type 2

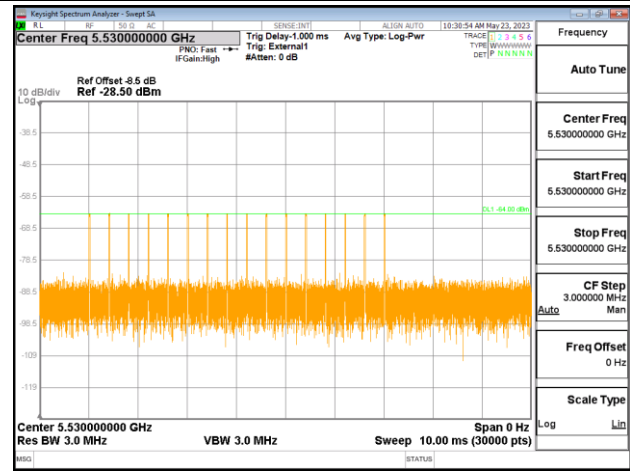




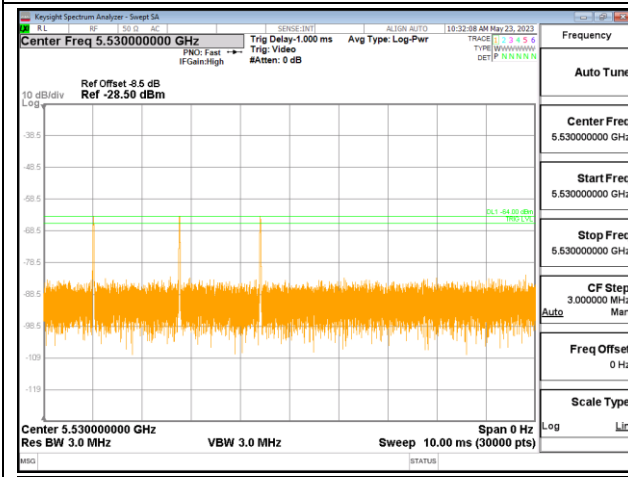
Radar Type 3



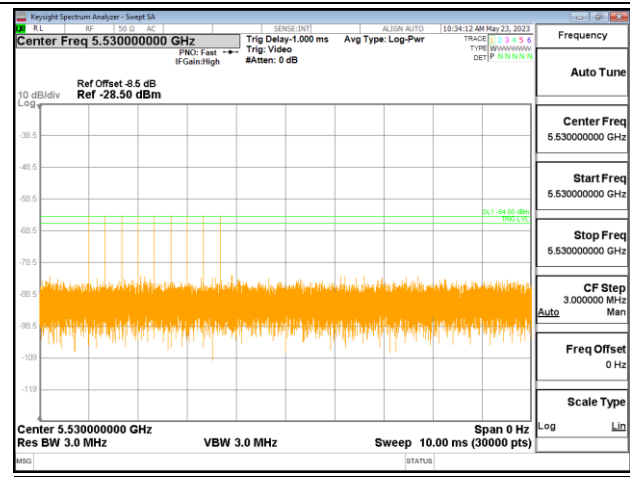
Radar Type 4



Single Burst of Radar Type 5



Single Burst of Radar Type 6





3.2 U-NII Detection Bandwidth

3.2.1 Limit of U-NII Detection Bandwidth

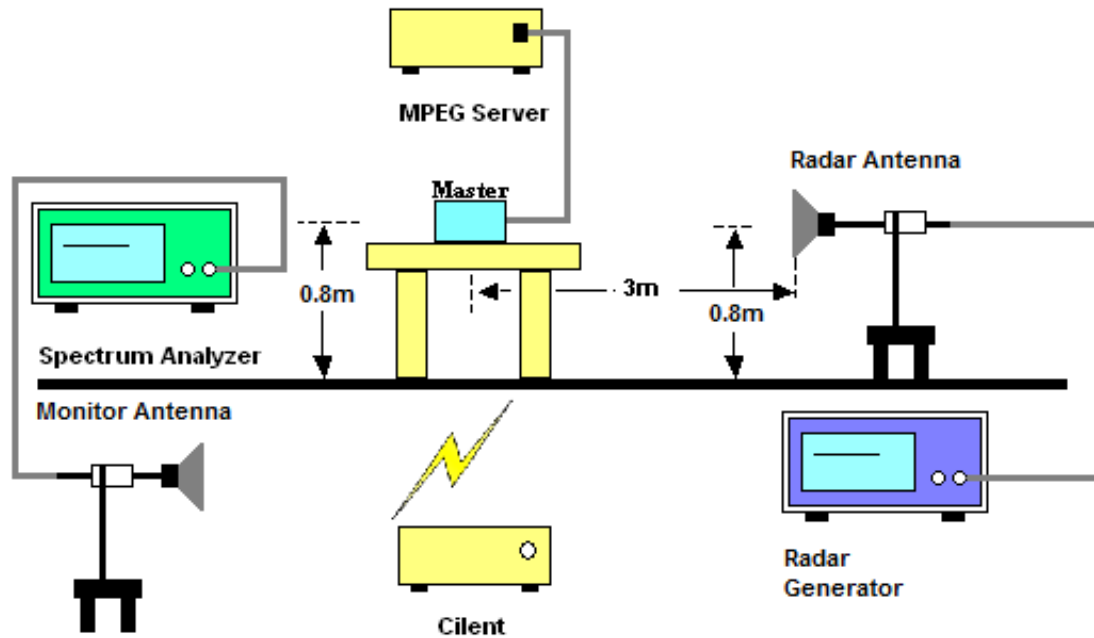
The U-NII Detection Bandwidth shall contain minimum 100% of the 99% power bandwidth.

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

3.2.2 Test Procedures

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

3.2.3 Test Setup



3.2.4 Test Deviation

There is no deviation with the original standard.

3.2.5 Result of U-NII Detection Bandwidth

<20MHz / 5500MHz>

Frequency (MHz)	Fc	Trial Number (Detection = Y, No Detection = N)										Rate (%)	F _H /F _L
		1	2	3	4	5	6	7	8	9	10		
5489	-11	N	N	N	N	N	N	N	N	N	N	0%	
5490	-10	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	F _L
5491	-9	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5492	-8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5493	-7	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5494	-6	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5495	-5	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5500	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5505	+5	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5506	+6	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5507	+7	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5508	+8	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	90%	
5509	+9	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	90%	F _H
5510	+10	N	Y	N	Y	Y	Y	Y	Y	Y	Y	80%	
5511	+11	N	N	N	N	N	N	N	N	N	N	0%	
Detection Bandwidth = F _H – F _L = 5509 – 5490 = 19 MHz													
EUT 99% Bandwidth = 17.781 MHz (Refer to channel 100)													

<40MHz / 5510MHz>

Frequency (MHz)	Fc	Trial Number (Detection = Y, No Detection = N)										Rate (%)	F _H /F _L
		1	2	3	4	5	6	7	8	9	10		
5489	-21	N	N	N	N	N	N	N	N	N	N	0%	
5490	-20	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	F _L
5491	-19	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5492	-18	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5493	-17	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5494	-16	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	90%	
5495	-15	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5500	-10	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5505	-5	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5510	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5515	+5	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5520	+10	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5525	+15	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5526	+16	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5527	+17	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5528	+18	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5529	+19	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5530	+20	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	F _H
5531	+21	N	N	N	N	N	N	N	N	N	N	0%	
Detection Bandwidth = F _H – F _L = 5530 – 5490 = 40 MHz													
EUT 99% Bandwidth = 37.546 MHz (Refer to channel 102)													

<80MHz / 5530MHz>

Frequency (MHz)	Fc	Trial Number (Detection = Y, No Detection = N)										Rate (%)	F _H /F _L
		1	2	3	4	5	6	7	8	9	10		
5489	-41	N	N	N	N	N	N	N	N	N	N	0%	
5490	-40	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	90%	F _L
5491	-39	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5492	-38	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5493	-37	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5494	-36	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	90%	
5495	-35	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	90%	
5500	-30	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5505	-25	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	90%	
5510	-20	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	90%	
5515	-15	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	90%	
5520	-10	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	90%	
5525	-5	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	90%	
5530	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5535	+5	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5540	+10	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	90%	
5545	+15	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5550	+20	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	90%	
5555	+25	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5560	+30	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5565	+35	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5566	+36	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5567	+37	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5568	+38	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5569	+39	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5570	+40	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	F _H
5571	+41	N	N	N	N	N	N	N	N	N	N	0%	
Detection Bandwidth = F _H – F _L = 5570 – 5490 = 80 MHz													
EUT 99% Bandwidth = 74.794 MHz (Refer to channel 106)													

3.3 Channel Availability Check

3.3.1 Limit of Channel Availability Check

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

3.3.2 Test Procedures of Initial Channel Availability Check Time

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

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

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

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

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

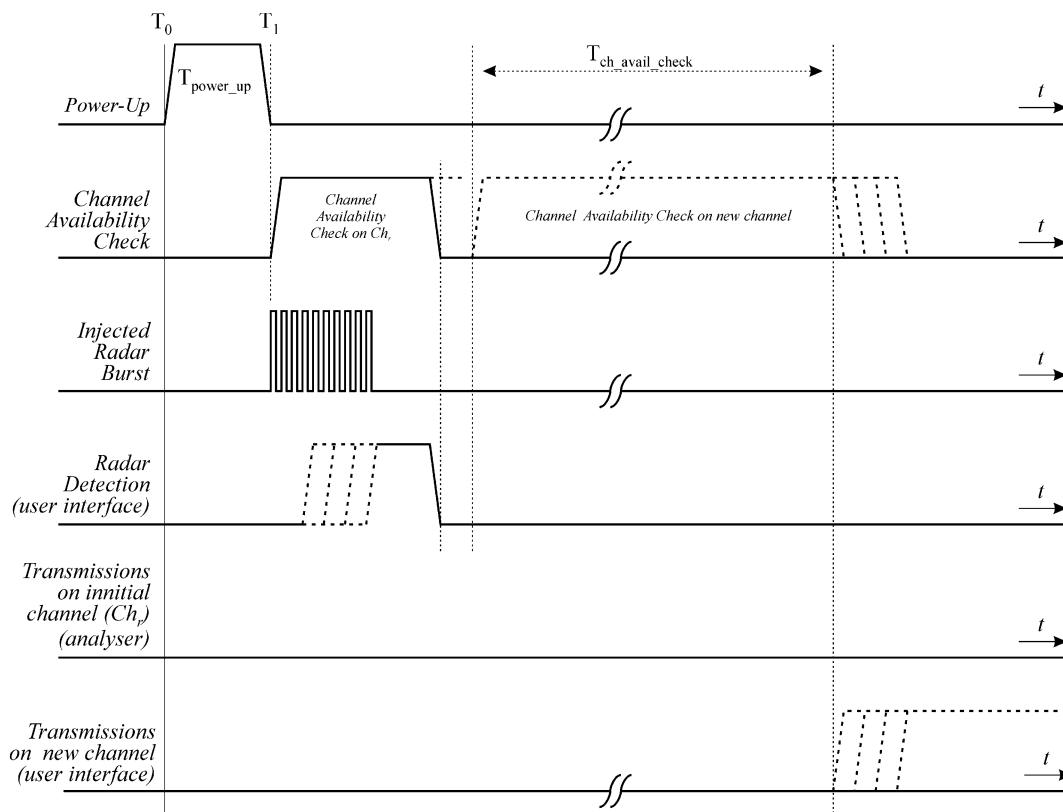


Figure 15: Example of timing for radar testing at the beginning of the Channel Availability Check Time

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

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

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

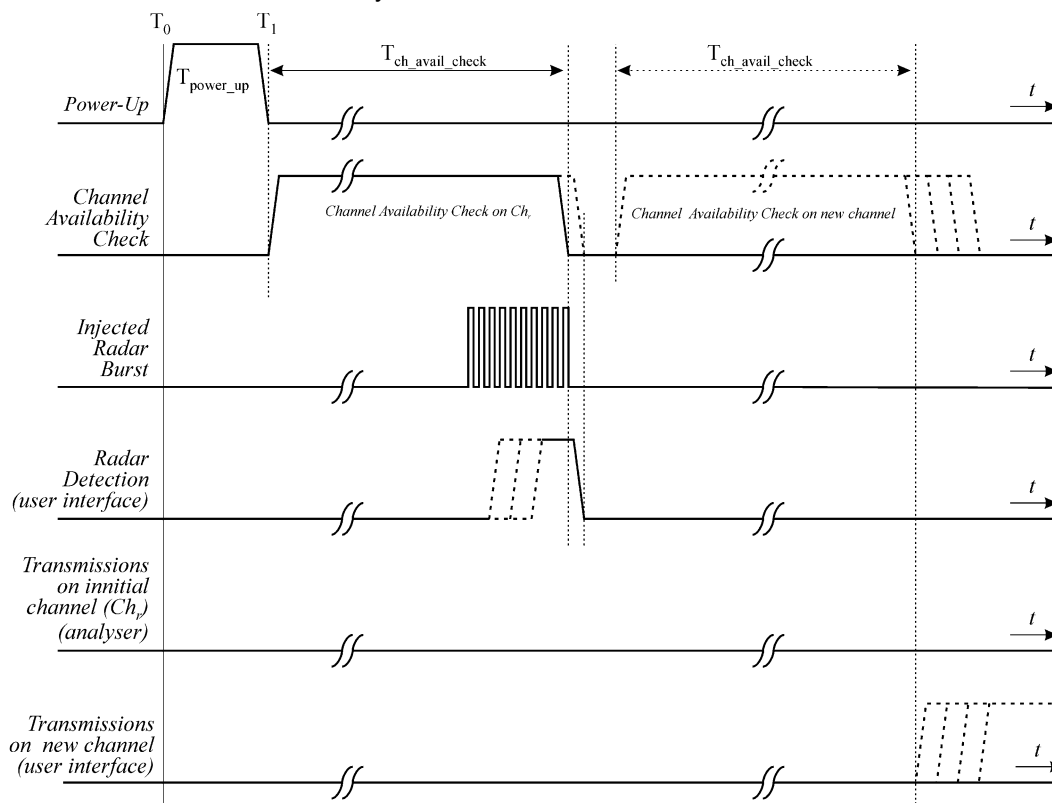
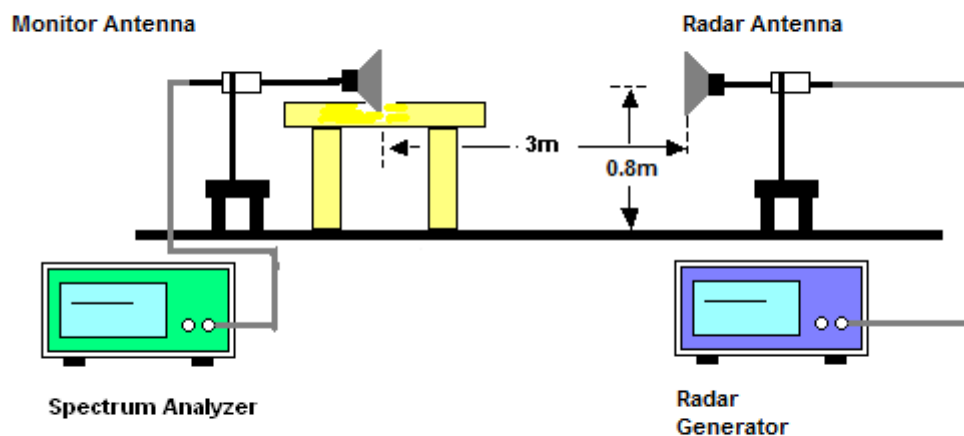


Figure 16: Example of timing for radar testing towards the end of the Channel Availability Check
Time

3.3.5 Test Setup

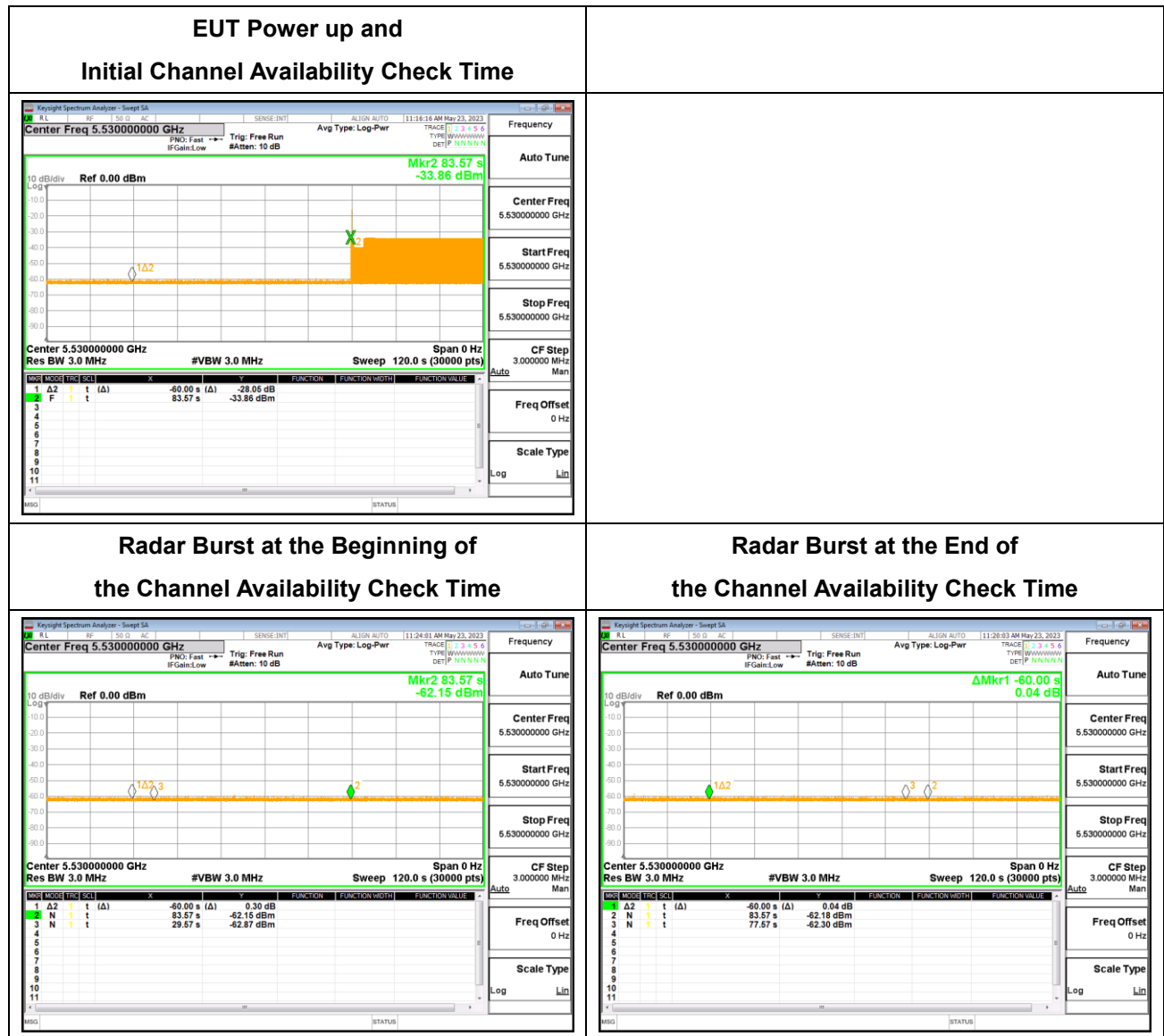


3.3.6 Test Deviation

There is no deviation with the original standard.

3.3.7 Result of Channel Availability Check Time

<80MHz / 5530MHz>



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

Marker 2: End of Channel Availability Check

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

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

3.4.1 Limit of In-Service Monitoring

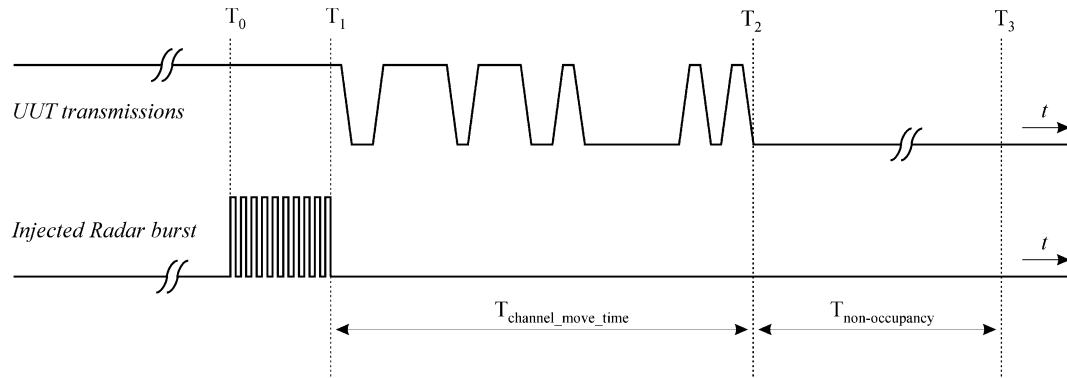
The EUT has In-Service Monitoring function to continuously monitor the radar signals, If radar is detected, it must leave the channel (Shutdown). The Channel Move Time to cease all transmissions on the current Channel upon detection of a Radar Waveform above the DFS Detection Threshold within 10 sec. The total duration of Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate Channel changes (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

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

3.4.2 Test Procedures

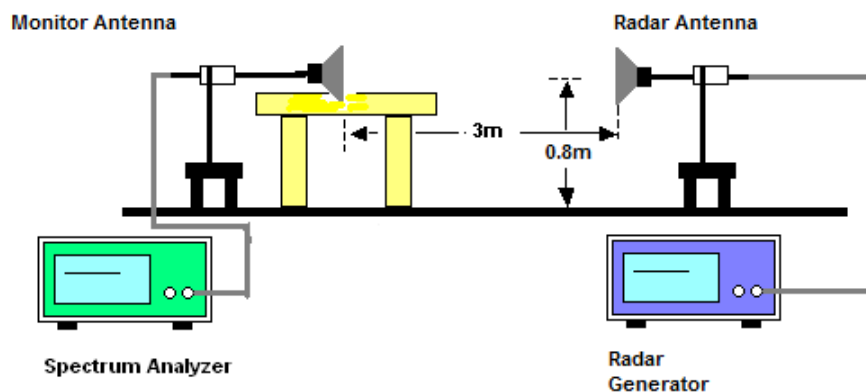
- (1) One frequency will be chosen from the Operating Channels of the EUT within the 5250-5350 MHz or 5470-5725 MHz bands. For 802.11 devices, the test frequency must contain control signals. This can be verified by disabling channel loading and monitoring the spectrum analyzer. If no control signals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

- (7) When operating as a Master Device, monitor the EUT for more than 30 minutes following instant 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 :	19.3~23.4℃
Test Engineer :	Liliana Gonzalez	Relative Humidity :	47.8~53.6%

BW / Channel	Test Item	Test Result	Limit	Pass/Fail
80MHz / 5530MHz	Channel Move Time	0.4852s	< 10s	Pass
	Channel Closing Transmission Time	200ms + 4.0005 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.

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

<80MHz / 5530MHz > In-Service Monitoring

Channel Move Time & Channel Closing Transmission Time

Marker 1: signal found within channel moving time.

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



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Option

Trigger Level(dBm):	MK1 Time(s)	MK2 Time(s)	Delta2 Time(s)
-52	200.0000ms	10000.0000	9800.0000m
On Time Point:	Total Point:	Sum of On Time(s):	
10	24497	4.0005ms	
Sweep Time(s)	Sweep Point	Duty Cycle(%)	
12001.60ms	30000	0.0408%	

Run

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Note:

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

Channel Closing Transmission Time (200 + 4.0005ms) = 200 + Number (10) X Dwell (0.4 ms) < 260ms



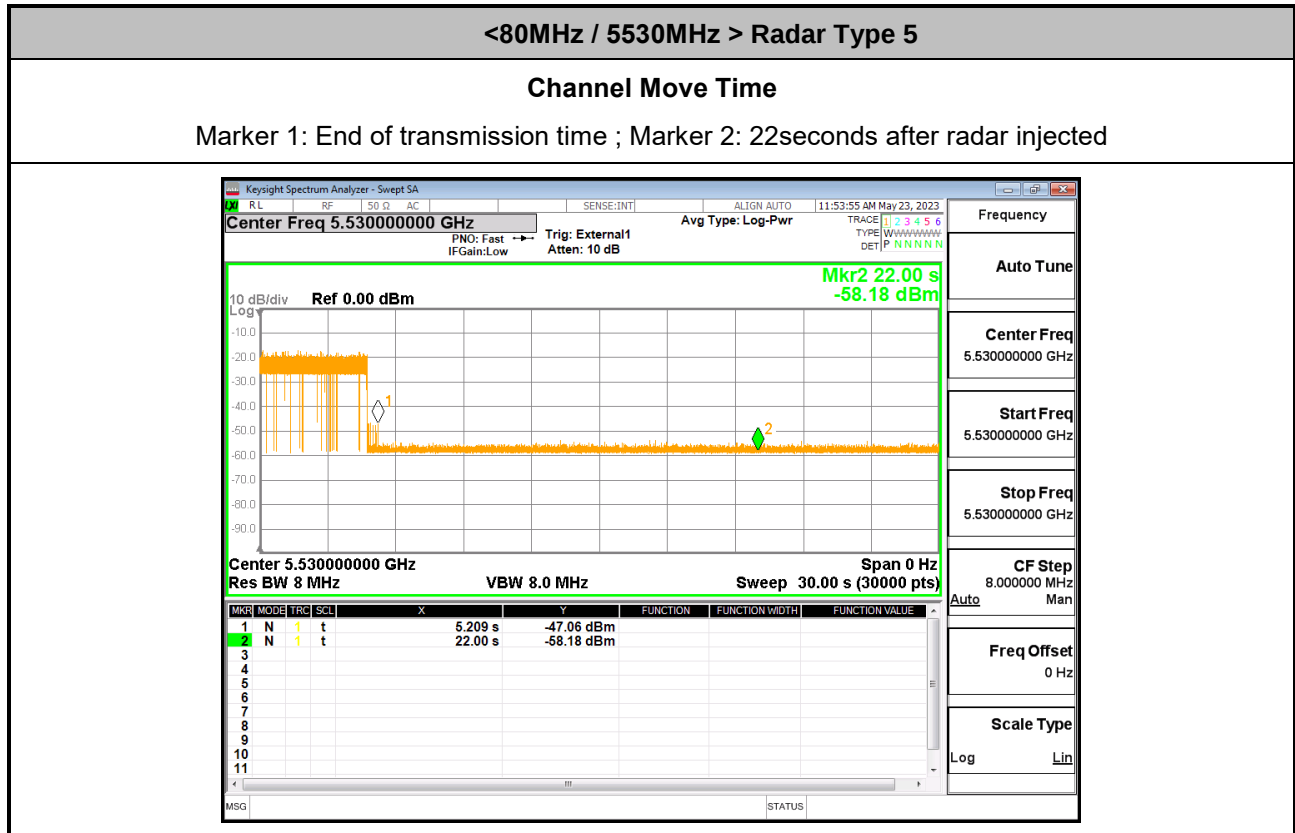
Non-Occupancy Period

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



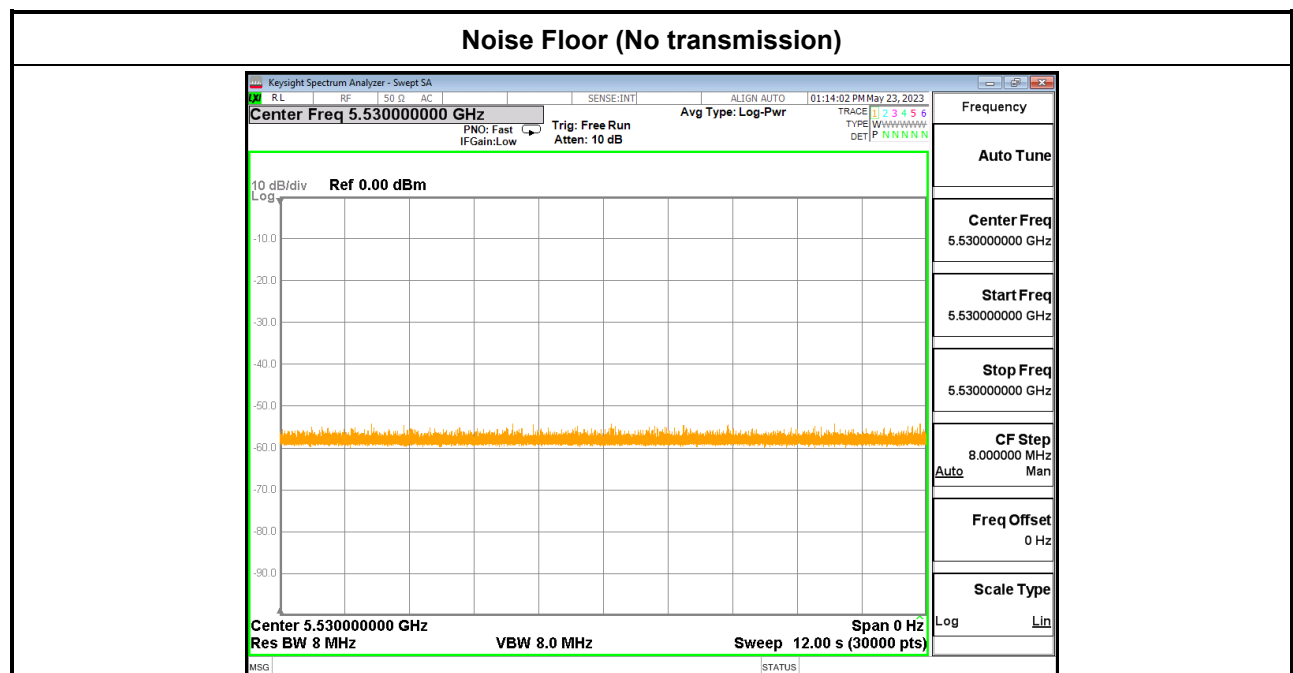
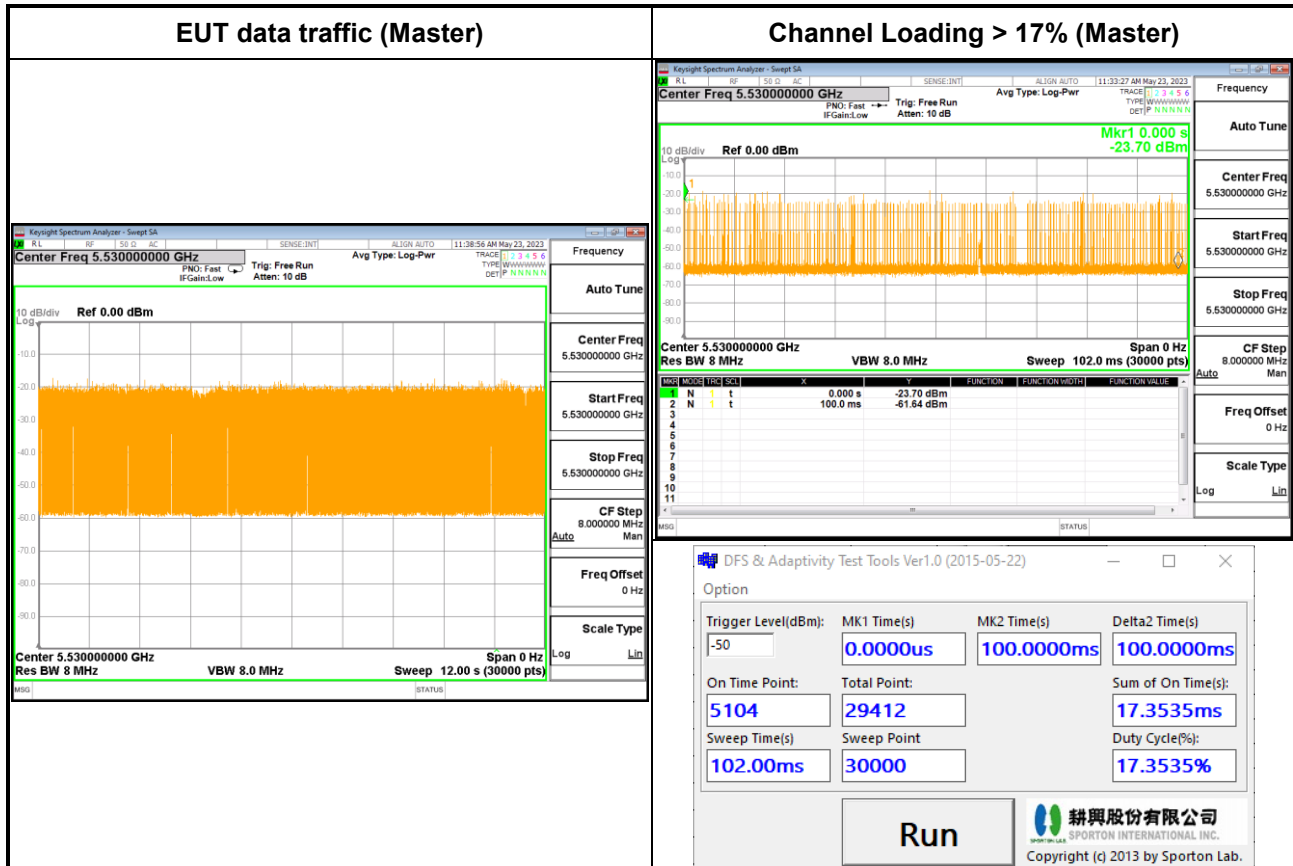


3.4.7 Long Pulsed Radar Type Channel Move Time Test Plots (22seconds)





3.4.8 Data Traffic Channel Loading and Noise Floor Plots



3.5 Statistical Performance Check

3.5.1 Limit of Statistical Performance Check

Short Pulse Radar Test

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

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

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

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

The minimum number of 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.

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

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

Long Pulse Radar Test

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

Table 6 – Long Pulse Radar Test Waveform

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

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

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

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

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

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

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

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

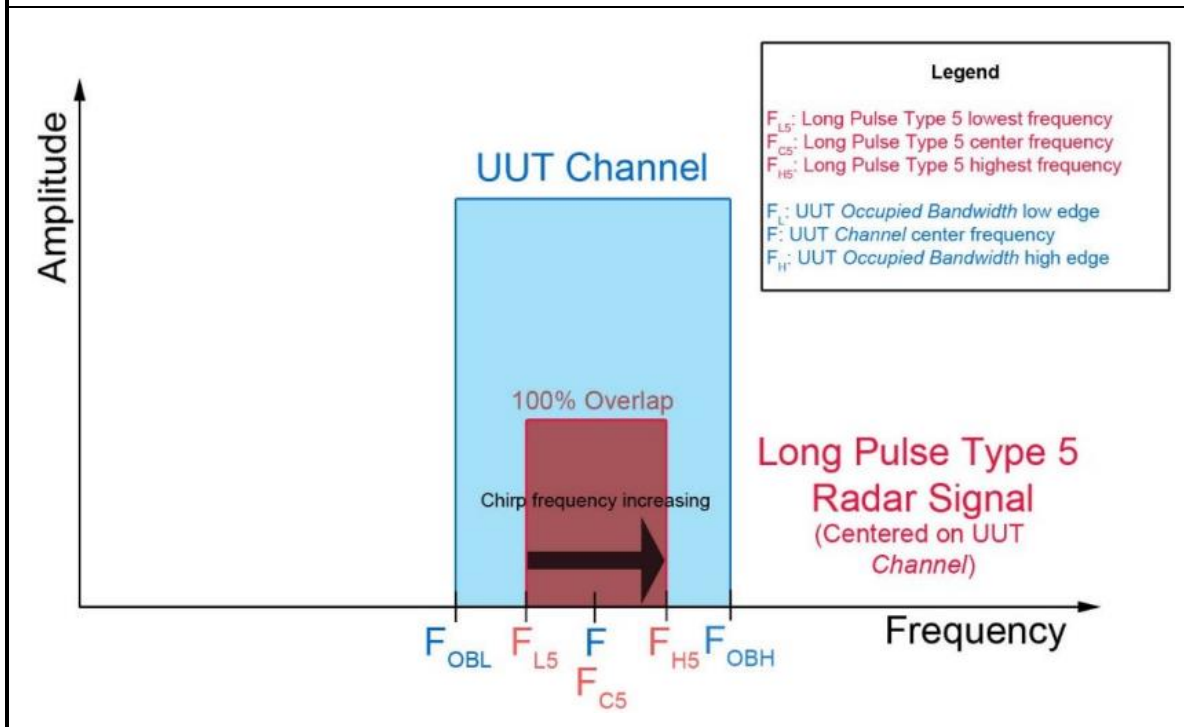
For subset case 3: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 3.

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

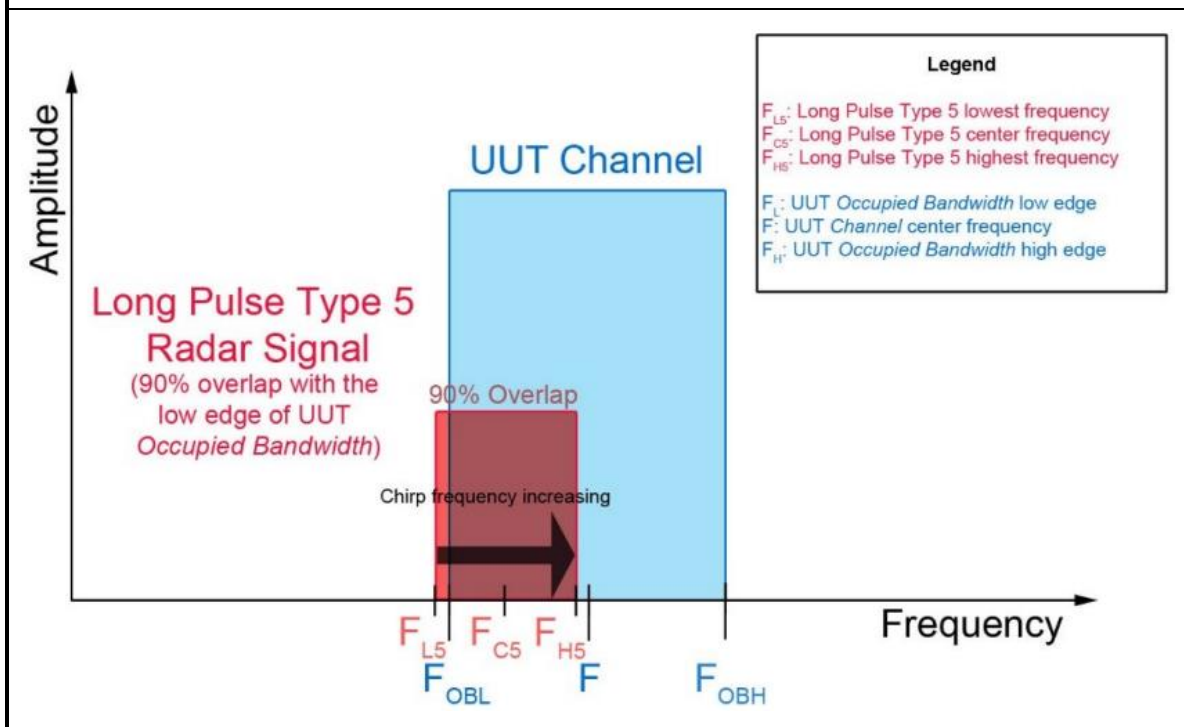
Note: The FH and FL are Occupied Bandwidth low edge and high edge, where

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

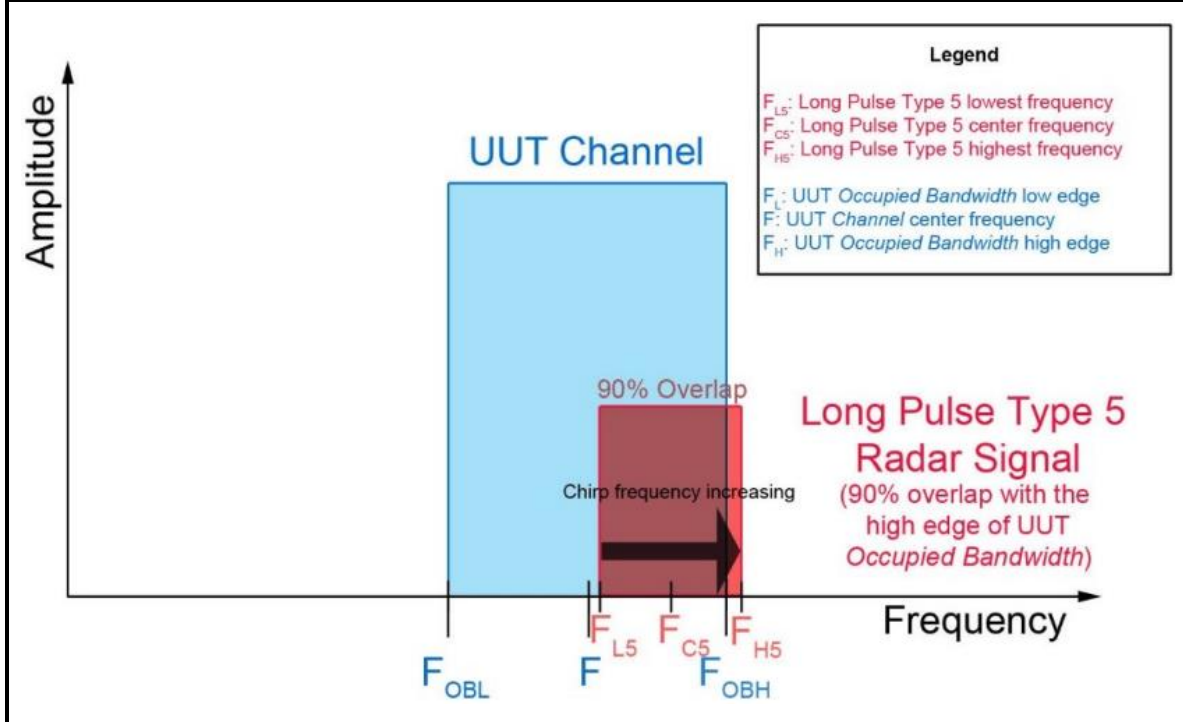
a) Channel center frequency (subset case 1)



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



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



The percentage of successful detection is calculated by:

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

Frequency Hopping Radar Test

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

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

Table 7 – Frequency Hopping Radar Test Waveform

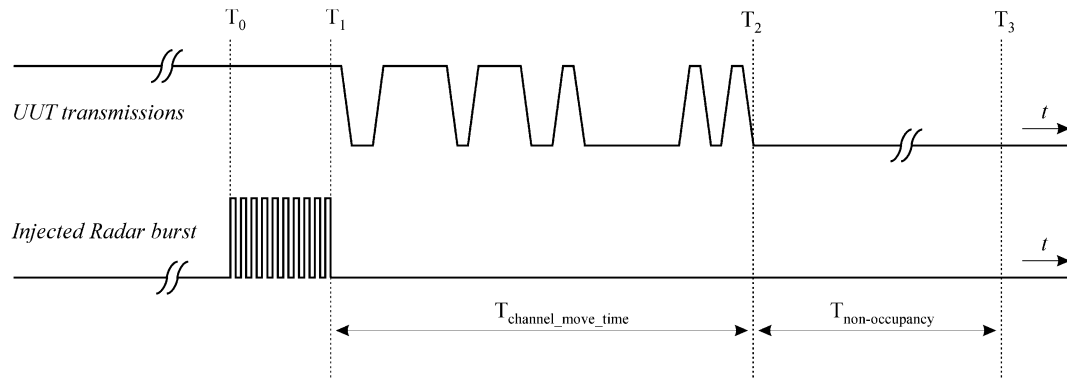
Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

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

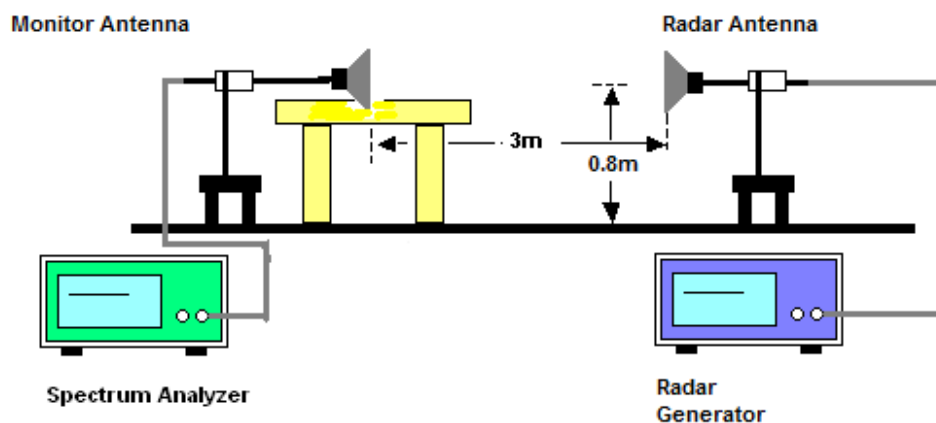
The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250 – 5724 MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group. This process continues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

3.5.2 Test Procedures

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



3.5.3 Test Setup



3.5.4 Test Deviation

There is no deviation with the original standard.



3.5.5 Result of Statistical Performance Check

<20MHz / 5500MHz>

(Detection = Y, No Detection = N)						
Trial Number	Type 1	Type 2	Type 3	Type 4	Type 5	Type 6
1	Y	Y	Y	Y	Y	Y
2	Y	Y	Y	Y	Y	Y
3	Y	Y	Y	Y	Y	Y
4	Y	Y	Y	Y	Y	Y
5	Y	Y	Y	Y	Y	Y
6	Y	Y	Y	Y	Y	Y
7	Y	Y	Y	Y	Y	Y
8	Y	Y	Y	Y	Y	Y
9	Y	Y	Y	Y	Y	Y
10	Y	Y	Y	Y	Y	Y
11	Y	Y	Y	Y	Y	Y
12	Y	Y	Y	Y	Y	Y
13	Y	Y	Y	Y	Y	Y
14	Y	Y	Y	Y	Y	Y
15	Y	Y	Y	Y	Y	Y
16	Y	Y	Y	Y	Y	Y
17	Y	Y	Y	Y	Y	Y
18	Y	Y	Y	Y	Y	Y
19	Y	Y	Y	Y	N	Y
20	Y	Y	Y	Y	N	Y
21	Y	Y	Y	Y	Y	Y
22	Y	Y	Y	Y	Y	Y
23	Y	Y	Y	Y	Y	Y
24	Y	Y	Y	Y	Y	Y
25	Y	Y	Y	Y	Y	Y
26	Y	Y	Y	Y	Y	Y
27	Y	Y	Y	Y	Y	Y
28	Y	Y	Y	Y	Y	Y
29	Y	Y	Y	Y	Y	Y
30	Y	Y	Y	Y	Y	Y
Trial of Detection	30/30	30/30	30/30	30/30	28/30	30/30
Probability (%)	100%	100%	100%	100%	93.33%	100%
Limit (%)	>= 60%	>= 60%	>= 60%	>= 60%	>= 80%	>= 70%
Average Probability of Radar Type 1~4 (%)			100% (>=80%)			



<40MHz / 5510MHz>

(Detection = Y, No Detection = N)						
Trial Number	Type 1	Type 2	Type 3	Type 4	Type 5	Type 6
1	Y	Y	Y	Y	Y	Y
2	Y	Y	Y	Y	Y	Y
3	Y	Y	Y	Y	Y	Y
4	Y	Y	Y	Y	Y	Y
5	Y	Y	Y	Y	Y	Y
6	Y	Y	Y	Y	Y	Y
7	Y	Y	Y	Y	Y	Y
8	Y	Y	Y	Y	Y	Y
9	Y	Y	Y	Y	Y	Y
10	Y	Y	Y	Y	Y	Y
11	Y	Y	Y	Y	Y	Y
12	Y	Y	Y	Y	Y	Y
13	Y	Y	Y	Y	Y	Y
14	Y	Y	Y	Y	Y	Y
15	Y	Y	Y	Y	Y	Y
16	Y	Y	Y	Y	Y	Y
17	Y	Y	Y	Y	Y	Y
18	Y	Y	Y	Y	Y	Y
19	Y	Y	Y	Y	N	Y
20	Y	Y	Y	Y	N	Y
21	Y	Y	Y	Y	Y	Y
22	Y	Y	Y	Y	Y	Y
23	Y	Y	Y	Y	Y	Y
24	Y	Y	Y	Y	Y	Y
25	Y	Y	Y	Y	Y	Y
26	Y	Y	Y	Y	Y	Y
27	Y	Y	Y	Y	Y	Y
28	Y	Y	Y	Y	Y	Y
29	Y	Y	Y	Y	Y	Y
30	Y	Y	Y	Y	Y	Y
Trial of Detection	30/30	30/30	30/30	30/30	28/30	30/30
Probability (%)	100%	100%	100%	100%	93.33%	100%
Limit (%)	>= 60%	>= 60%	>= 60%	>= 60%	>= 80%	>= 70%
Average Probability of Radar Type 1~4 (%)			100% (>=80%)			



<80 MHz / 5530MHz>

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



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
RF Vector Generator	Keysight	N5182B	MY57300963	9KHz~6GHz	Mar. 25, 2023	May 23, 2023 ~ May 30, 2023	Mar. 24, 2024	DFS (DFS01-CA)
Frequency Extender for EXG or MXG	Keysight	N5182BX07	MY59360230	9kHz~7.2GHz	Mar. 25, 2023	May 23, 2023 ~ May 30, 2023	Mar. 24, 2024	DFS (DFS01-CA)
EXA Signal Analyzer	Keysight	N9010A	MY56070412	10Hz~7GHz	Nov. 21, 2022	May 23, 2023 ~ May 30, 2023	Nov. 20, 2023	DFS (DFS01-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	02140	1GHz ~18GHz	Jan. 09, 2023	May 23, 2023 ~ May 30, 2023	Jan. 08, 2024	DFS (DFS01-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	01895	1GHz ~18GHz	Sep. 07, 2022	May 23, 2023 ~ May 30, 2023	Sep. 06, 2023	DFS (DFS01-CA)
Hygrometer	Testo	608-H1	45142588	Temperature & Humidity	Aug. 16, 2022	May 23, 2023 ~ May 30, 2023	Aug. 15, 2023	DFS (DFS01-CA)

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

Trial #	Pulse Repetition Frequency Number (1 to 23)	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	16	1222.49	818	Yes
2	3	1792.11	558	Yes
3	7	1567.40	638	Yes
4	9	1474.93	678	Yes
5	22	1066.10	938	Yes
6	6	1618.12	618	Yes
7	21	1089.32	918	Yes
8	19	1138.95	878	Yes
9	4	1730.10	578	Yes
10	8	1519.76	658	Yes
11	5	1672.24	598	Yes
12	2	1858.74	538	Yes
13	18	1165.50	858	Yes
14	12	326.16	3066	Yes
15	17	1193.32	838	Yes
16		396.67	2521	Yes
17		843.17	1186	Yes
18		652.74	1532	Yes
19		1377.41	726	Yes
20		712.76	1403	Yes
21		481.46	2077	Yes
22		422.12	2369	Yes
23		805.15	1242	Yes
24		1760.56	568	Yes
25		398.88	2507	Yes
26		953.29	1049	Yes
27		368.73	2712	Yes
28		597.01	1675	Yes
29		475.06	2105	Yes
30		648.09	1543	Yes

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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	29	4.90	160	Yes
2	24	2.10	170	Yes
3	25	2.30	223	Yes
4	24	1.70	226	Yes
5	25	2.30	203	Yes
6	27	3.40	180	Yes
7	24	1.90	158	Yes
8	28	4.30	171	Yes
9	27	3.70	185	Yes
10	23	1.50	151	Yes
11	27	3.40	213	Yes
12	28	4.20	187	Yes
13	24	1.60	210	Yes
14	26	3.30	161	Yes
15	23	1.20	215	Yes
16	27	3.60	196	Yes
17	27	3.90	152	Yes
18	24	2.00	197	Yes
19	28	4.40	150	Yes
20	28	4.30	169	Yes
21	25	2.20	173	Yes
22	24	1.60	168	Yes
23	25	2.50	205	Yes
24	28	4.00	192	Yes
25	29	4.90	155	Yes
26	29	4.70	217	Yes
27	27	3.40	218	Yes
28	28	4.00	194	Yes
29	23	1.00	166	Yes
30	24	2.10	177	Yes

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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	18	9.90	400	Yes
2	16	7.10	405	Yes
3	17	7.30	283	Yes
4	16	6.70	374	Yes
5	16	7.30	318	Yes
6	17	8.40	281	Yes
7	16	6.90	310	Yes
8	18	9.30	401	Yes
9	18	8.70	377	Yes
10	16	6.50	430	Yes
11	17	8.40	243	Yes
12	18	9.20	476	Yes
13	16	6.60	312	Yes
14	17	8.30	239	Yes
15	16	6.20	332	Yes
16	17	8.60	462	Yes
17	18	8.90	499	Yes
18	16	7.00	402	Yes
19	18	9.40	282	Yes
20	18	9.30	437	Yes
21	16	7.20	217	Yes
22	16	6.60	410	Yes
23	17	7.50	287	Yes
24	18	9.00	392	Yes
25	18	9.90	339	Yes
26	18	9.70	348	Yes
27	17	8.40	459	Yes
28	18	9.00	254	Yes
29	16	6.00	349	Yes
30	16	7.10	292	Yes

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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	16	19.60	400	Yes
2	13	13.50	405	Yes
3	13	14.00	283	Yes
4	12	12.70	374	Yes
5	13	14.00	318	Yes
6	15	16.50	281	Yes
7	13	13.10	310	Yes
8	16	18.40	401	Yes
9	15	17.20	377	Yes
10	12	12.10	430	Yes
11	15	16.40	243	Yes
12	15	18.10	476	Yes
13	12	12.50	312	Yes
14	14	16.10	239	Yes
15	12	11.60	332	Yes
16	15	16.90	462	Yes
17	15	17.40	499	Yes
18	13	13.30	402	Yes
19	16	18.50	282	Yes
20	16	18.40	437	Yes
21	13	13.80	217	Yes
22	12	12.40	410	Yes
23	13	14.40	287	Yes
24	15	17.70	392	Yes
25	16	19.70	339	Yes
26	16	19.20	348	Yes
27	14	16.30	459	Yes
28	15	17.70	254	Yes
29	12	11.00	349	Yes
30	13	13.50	292	Yes

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

Trial Number:			1			Detection (Yes/No)
Number of Bursts in Trial:			20			
Chirp Center Frequency:			5500			
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	97.8	20	1533	1301	117552
2	1	63.7	20	-	-	263229
3	2	66.9	20	1789	-	407098
4	1	59.4	20	-	-	553670
5	1	66.6	20	-	-	100121
6	2	80.4	20	1376	-	244758
7	1	62	20	-	-	390404
8	3	91.2	20	1642	1992	532142
9	3	84.1	20	1458	1188	81862
10	1	56.5	20	-	-	227290
11	2	80.1	20	1446	-	371900
12	3	89.1	20	1275	1170	515965
13	1	58.4	20	-	-	64381
14	2	78.2	20	1731	-	209108
15	1	53.3	20	-	-	354655
16	2	82.8	20	1276	-	498974
17	3	85.5	20	1517	1338	46254
18	1	62.7	20	-	-	191681
19	3	91.8	20	1860	1191	334871
20	3	91.2	20	1845	1246	479814

Trial Number:			2			Detection (Yes/No)
Number of Bursts in Trial:			11			
Chirp Center Frequency:			5500			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	65.4	9	-	-	52142
2	1	57.9	9	-	-	316268
3	2	69.1	9	1131	-	579684
4	3	87.1	9	1057	1611	842688
5	3	97.9	9	1209	1946	19521
6	3	95.6	9	1737	1862	282955
7	2	79.6	9	1785	-	546932
8	3	87.2	9	1616	1941	809323
9	1	50.3	9	-	-	1076310
10	1	64.2	9	-	-	251348
11	1	63.3	9	-	-	515601
12						
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DFS Radar Parameters
FCC Radar Type 5
Channel 100 Bandwidth 20MHz

Trial Number:			3			Detection (Yes/No)
Number of Bursts in Trial:			12			
Chirp Center Frequency:			5500			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	60.7	10	-	-	714770
2	2	80.4	10	1480	-	955444
3	1	55	10	-	-	200528
4	1	63.1	10	-	-	442728
5	2	71.4	10	1454	-	683934
6	1	62.8	10	-	-	927350
7	3	90.3	10	1267	1344	170218
8	3	95.4	10	1159	1399	411825
9	3	96	10	1530	1292	653191
10	1	50.5	10	-	-	897484
11	1	50.8	10	-	-	140724
12	2	67.6	10	1475	-	382539
13						
14						
15						
16						
17						
18						
19						
20						

Trial Number:			4			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5500			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (μsec)
1	2	72.9	8	1585	-	749614
2	2	82.6	8	1033	-	1039788
3	2	68.5	8	1658	-	132990
4	1	63.6	8	-	-	423918
5	2	82.5	8	1505	-	713640
6	1	62	8	-	-	1005236
7	2	67.3	8	1039	-	97275
8	1	58.6	8	-	-	388214
9	2	71.7	8	1773	-	677685
10	3	85.7	8	1263	1772	967134
11						
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18						
19						
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DFS Radar Parameters
FCC Radar Type 5
Channel 100 Bandwidth 20MHz

Trial Number:			5			Detection (Yes/No)
Number of Bursts in Trial:			12			
Chirp Center Frequency:			5500			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	51.8	10	-	-	51320
2	3	95.8	10	1218	1932	292607
3	3	89.8	10	1956	1706	533931
4	3	94.7	10	1556	1577	775430
5	2	79.9	10	1913	-	21425
6	1	61.6	10	-	-	263512
7	2	71.1	10	1834	-	504898
8	1	50.8	10	-	-	747898
9	2	74.9	10	1777	-	988799
10	3	90.9	10	1049	1749	233056
11	2	69.9	10	1741	-	475380
12	3	93.2	10	1797	1010	716212
13						
14						
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16						
17						
18						
19						
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Trial Number:			6			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5500			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	69.3	14	1201	-	767203
2	1	58.6	14	-	-	163029
3	1	53.4	14	-	-	356925
4	1	65	14	-	-	550716
5	2	81.9	14	1571	-	742264
6	2	69.9	14	1495	-	138937
7	3	95.3	14	1173	1665	331941
8	2	67.3	14	1849	-	525169
9	3	95.9	14	1808	1742	717454
10	3	90.7	14	1193	1361	115094
11	1	64.5	14	-	-	309087
12	3	90.4	14	1397	1978	500351
13	3	96.2	14	1576	1621	693319
14	1	54.4	14	-	-	91555
15	2	79.4	14	1004	-	284843
16						
17						
18						
19						
20						

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

Trial Number:			7			Detection (Yes/No)
Number of Bursts in Trial:			11			
Chirp Center Frequency:			5500			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	81.9	8	1228	-	652486
2	3	97.1	8	1354	1179	915811
3	2	75.1	8	1763	-	92201
4	2	83	8	1950	-	356108
5	1	55.6	8	-	-	620617
6	3	91.6	8	1321	1894	882529
7	2	75.1	8	1830	-	59736
8	2	78.6	8	1843	-	323627
9	1	59.2	8	-	-	588486
10	2	73.4	8	1357	-	851531
11	2	76.8	8	1640	-	27237
12						
13						
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Trial Number:			8			Detection (Yes/No)
Number of Bursts in Trial:			18			
Chirp Center Frequency:			5500			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	83	18	1967	-	177323
2	2	78.7	18	1447	-	338519
3	2	74.3	18	1876	-	499152
4	3	95.1	18	1871	1914	658193
5	2	75.7	18	1003	-	157967
6	1	60	18	-	-	319282
7	3	97.8	18	1432	1994	478337
8	2	79.7	18	1897	-	640146
9	1	63.2	18	-	-	138172
10	1	59.8	18	-	-	299753
11	1	60.2	18	-	-	461175
12	2	67.5	18	1958	-	620317
13	2	80.1	18	1656	-	118031
14	3	97.5	18	1420	1969	278213
15	1	63.3	18	-	-	441054
16	1	54.4	18	-	-	602761
17	3	89.9	18	1555	1686	98027
18	1	61.2	18	-	-	259748
19						
20						

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

Trial Number:			9			Detection (Yes/No)
Number of Bursts in Trial:			16			
Chirp Center Frequency:			5500			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	81.2	15	1211	-	473165
2	3	99.5	15	1476	1526	652864
3	3	98.6	15	1494	1673	88092
4	2	75.5	15	1358	-	269465
5	2	82.2	15	1799	-	450593
6	3	89.2	15	1428	1891	629850
7	1	53.7	15	-	-	66112
8	3	99.8	15	1563	1790	246426
9	1	57.8	15	-	-	429389
10	1	64.2	15	-	-	610915
11	1	51.5	15	-	-	43753
12	3	94.3	15	1838	1740	224061
13	2	80.1	15	1264	-	406065
14	3	94.2	15	1648	1378	585827
15	3	91.6	15	1855	1813	21297
16	1	55.1	15	-	-	202892
17						
18						
19						
20						

Trial Number:			10			Detection (Yes/No)
Number of Bursts in Trial:			9			
Chirp Center Frequency:			5500			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (μsec)
1	3	87	7	1551	1583	682456
2	1	66.6	7	-	-	1007177
3	3	93.1	7	1145	1912	1327542
4	1	50.7	7	-	-	321203
5	1	65	7	-	-	644360
6	1	54.4	7	-	-	967003
7	3	92.7	7	1435	1986	1287423
8	1	66.4	7	-	-	281492
9	3	91.3	7	1031	1639	603471
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DFS Radar Parameters
FCC Radar Type 5
Channel 100 Bandwidth 20MHz

Trial Number:			11			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5497			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	69.5	14	1885	-	554490
2	2	71.7	14	1127	-	748535
3	2	79.5	14	1050	-	144762
4	3	95	14	1700	1984	337107
5	3	85.6	14	1491	1962	529960
6	3	92.3	14	1443	1769	723290
7	3	87.2	14	1259	1484	120713
8	3	85.2	14	1196	1535	313503
9	2	67.3	14	1736	-	507300
10	2	78	14	1507	-	700982
11	2	74	14	1632	-	96986
12	2	78.2	14	1521	-	290350
13	1	57.4	14	-	-	484434
14	3	96.5	14	1212	1896	675794
15	3	85.1	14	1009	1824	73058
16						
17						
18						
19						
20						

Trial Number:			12			Detection (Yes/No)
Number of Bursts in Trial:			18			
Chirp Center Frequency:			5498			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	91.4	17	1543	1122	221584
2	2	75.9	17	1285	-	383008
3	1	52.2	17	-	-	544806
4	3	83.5	17	1645	1698	41016
5	2	78.2	17	1418	-	202246
6	2	68.9	17	1735	-	362787
7	2	79.7	17	1620	-	524123
8	1	66	17	-	-	21373
9	2	75.9	17	1652	-	182340
10	2	74.9	17	1142	-	343347
11	1	60.4	17	-	-	505199
12	3	96.8	17	1425	1929	1483
13	1	61.3	17	-	-	162766
14	3	89.2	17	1664	1527	322477
15	3	96.3	17	1691	1382	483321
16	2	76.8	17	1598	-	644846
17	1	56.7	17	-	-	142961
18	2	82.1	17	1401	-	303677
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DFS Radar Parameters
FCC Radar Type 5
Channel 100 Bandwidth 20MHz

Trial Number:			13			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5494			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	84.3	7	1185	1840	837037
2	1	62.6	7	-	-	1129685
3	2	67.5	7	1121	-	221568
4	2	74.3	7	1299	-	512060
5	1	54.7	7	-	-	803240
6	2	72.2	7	1348	-	1092131
7	2	72	7	1782	-	185625
8	1	64.3	7	-	-	476461
9	1	59.1	7	-	-	767153
10	1	62.8	7	-	-	1058338
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Trial Number:			14			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5497			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	66.1	14	-	-	99977
2	2	67.6	14	1561	-	293277
3	2	77	14	1848	-	486166
4	2	79.5	14	1774	-	679443
5	2	70.2	14	1452	-	76019
6	1	57.9	14	-	-	269907
7	1	59.4	14	-	-	463476
8	3	89.1	14	1139	1182	655444
9	1	52.2	14	-	-	52351
10	1	59.1	14	-	-	246040
11	3	88.3	14	1451	1394	437904
12	2	72.3	14	1930	-	631477
13	3	89.9	14	1304	1171	28394
14	1	55.7	14	-	-	222121
15	1	53.5	14	-	-	415779
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DFS Radar Parameters
FCC Radar Type 5
Channel 100 Bandwidth 20MHz

Trial Number:			15			Detection (Yes/No)
Number of Bursts in Trial:			8			
Chirp Center Frequency:			5494			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	70.1	6	1690	-	1142083
2	2	75.1	6	1130	-	8651
3	3	95.6	6	1634	1547	371364
4	2	75.9	6	1540	-	734769
5	3	96.1	6	1979	1092	1097053
6	2	71.1	6	1927	-	1460746
7	1	51.2	6	-	-	327241
8	2	67.2	6	1254	-	690289
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Trial Number:			16			Detection (Yes/No)
Number of Bursts in Trial:			16			
Chirp Center Frequency:			5497			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	96.2	15	1747	1375	524599
2	2	73.2	15	1256	-	706546
3	3	83.8	15	1503	1247	140647
4	2	67.6	15	1580	-	322136
5	2	67	15	1764	-	503147
6	2	71.1	15	1045	-	685206
7	2	80	15	1093	-	118649
8	1	61.5	15	-	-	300227
9	1	63.8	15	-	-	481837
10	1	59.8	15	-	-	663567
11	2	66.9	15	1133	-	96285
12	3	99.9	15	1237	1839	276805
13	1	58.2	15	-	-	459765
14	3	98	15	1422	1309	638362
15	2	81	15	1697	-	73890
16	2	76.5	15	1225	-	255301
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DFS Radar Parameters
FCC Radar Type 5
Channel 100 Bandwidth 20MHz

Trial Number:			17			Detection (Yes/No)
Number of Bursts in Trial:			17			
Chirp Center Frequency:			5498			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	53.3	16	-	-	411383
2	2	79.8	16	1113	-	581429
3	1	57.1	16	-	-	48641
4	2	74.5	16	1323	-	219167
5	3	97.6	16	1756	1329	388403
6	3	93.9	16	1431	1924	558498
7	1	61.9	16	-	-	27623
8	2	72.8	16	1071	-	198141
9	1	61.8	16	-	-	369042
10	2	70.7	16	1205	-	539355
11	3	84.7	16	1754	1011	6540
12	3	97.1	16	1232	1663	176762
13	2	76.4	16	1637	-	347184
14	3	88.5	16	1148	1925	516725
15	1	63.1	16	-	-	689509
16	3	91.7	16	1607	1627	155628
17	1	64.8	16	-	-	327166
18						
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Trial Number:			18			Detection (Yes/No)
Number of Bursts in Trial:			11			
Chirp Center Frequency:			5495			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	50.4	9	-	-	769962
2	2	80.8	9	1183	-	1033317
3	1	56.2	9	-	-	209366
4	3	86.4	9	1699	1889	471893
5	3	90.4	9	1326	1578	735977
6	3	92.4	9	1935	1307	999376
7	2	67.9	9	1061	-	176633
8	2	72.3	9	1000	-	440415
9	3	97.7	9	1609	1980	702556
10	2	74.5	9	1257	-	968341
11	1	62.4	9	-	-	144142
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DFS Radar Parameters
FCC Radar Type 5
Channel 100 Bandwidth 20MHz

Trial Number:			19			Detection (Yes/No)
Number of Bursts in Trial:			18			
Chirp Center Frequency:			5498			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	72.9	18	1415	-	248935
2	1	55.8	18	-	-	410871
3	3	95.4	18	1001	1618	569349
4	2	72.1	18	1365	-	68050
5	3	94.2	18	1219	1146	228765
6	2	69	18	1197	-	390115
7	2	72.5	18	1313	-	551375
8	1	66.3	18	-	-	48276
9	1	63.9	18	-	-	209701
10	2	76.8	18	1744	-	369703
11	2	69.6	18	1064	-	531757
12	1	52.2	18	-	-	28426
13	1	61.2	18	-	-	189782
14	1	60.9	18	-	-	350977
15	1	55.8	18	-	-	512672
16	3	96.4	18	1030	1938	8515
17	3	86.5	18	1868	1364	169159
18	2	82.9	18	1223	-	330608
19						
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Trial Number:			20			Detection (Yes/No)
Number of Bursts in Trial:			18			
Chirp Center Frequency:			5498			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	3	85.1	18	1255	1424	490706
2	2	75.3	18	1014	-	652784
3	3	96.8	18	1436	1667	149224
4	2	75.2	18	1345	-	310876
5	3	85	18	1377	1548	470356
6	1	57.8	18	-	-	634238
7	2	67.1	18	1117	-	129955
8	2	74.8	18	1960	-	290681
9	3	90.1	18	1356	1573	450738
10	1	63	18	-	-	613830
11	3	87.4	18	1701	1128	109872
12	3	89.2	18	1811	1708	270309
13	1	52.2	18	-	-	433136
14	3	100	18	1518	1721	590903
15	2	69.4	18	1261	-	90266
16	3	99.6	18	1757	1161	250454
17	3	100	18	1411	1859	410989
18	1	55.9	18	-	-	574135
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DFS Radar Parameters
FCC Radar Type 5
Channel 100 Bandwidth 20MHz

Trial Number:			21			Detection (Yes/No)
Number of Bursts in Trial:			12			
Chirp Center Frequency:			5505			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	75.4	9	1294	-	105728
2	1	62.5	9	-	-	347884
3	1	52.9	9	-	-	590253
4	1	57.3	9	-	-	832089
5	1	66	9	-	-	76055
6	3	96.9	9	1409	1826	317125
7	2	77.8	9	1805	-	559475
8	3	88.1	9	1877	1567	799936
9	2	80.8	9	1302	-	46134
10	2	78.5	9	1156	-	288165
11	3	95	9	1680	1733	528636
12	2	75.5	9	1732	-	771413
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Trial Number:			22			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5506			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	84.6	7	1438	1134	19605
2	3	96.1	7	1104	1715	309706
3	2	81.5	7	1268	-	600138
4	3	89.4	7	1032	1704	889826
5	1	62.5	7	-	-	1182510
6	3	99.2	7	1803	1444	273804
7	1	65.7	7	-	-	565176
8	3	97.7	7	1241	1160	853864
9	2	70.8	7	1305	-	1145427
10	3	87.5	7	1947	1165	238176
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DFS Radar Parameters
FCC Radar Type 5
Channel 100 Bandwidth 20MHz

Trial Number:			23			Detection (Yes/No)
Number of Bursts in Trial:			12			
Chirp Center Frequency:			5504			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	55	11	-	-	440879
2	2	69.3	11	1524	-	682230
3	2	78.9	11	1874	-	923264
4	1	59.5	11	-	-	168989
5	2	78.9	11	1310	-	410663
6	2	74.7	11	1724	-	652226
7	2	74.5	11	1400	-	893975
8	2	69.7	11	1295	-	138987
9	2	82.9	11	1414	-	380887
10	1	61.7	11	-	-	623768
11	1	60.9	11	-	-	866033
12	3	99.9	11	1964	1529	109031
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Trial Number:			24			Detection (Yes/No)
Number of Bursts in Trial:			17			
Chirp Center Frequency:			5502			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	16	1683	-	247393
2	2	73.9	16	1786	-	417650
3	2	80	16	1472	-	588053
4	2	77.8	16	1579	-	56018
5	1	59.3	16	-	-	227085
6	3	100	16	1184	1387	396059
7	3	97.5	16	1500	1096	566915
8	3	97	16	1863	1752	34890
9	2	77.1	16	1729	-	205373
10	3	88.6	16	1545	1186	375366
11	2	79.8	16	1784	-	546122
12	1	64.6	16	-	-	14032
13	2	78.4	16	1226	-	184662
14	3	91.4	16	1250	1200	354694
15	1	57.7	16	-	-	526319
16	1	62.9	16	-	-	697546
17	3	87.4	16	1367	1588	163217
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DFS Radar Parameters
FCC Radar Type 5
Channel 100 Bandwidth 20MHz

Trial Number:			25			Detection (Yes/No)
Number of Bursts in Trial:			20			
Chirp Center Frequency:			5501			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	70.2	20	1684	-	283507
2	3	83.8	20	1780	1298	427582
3	1	52.2	20	-	-	575047
4	3	85.1	20	1613	1389	120618
5	3	87.9	20	1936	1779	264713
6	1	57.5	20	-	-	411930
7	3	83.6	20	1858	1734	553051
8	2	78.4	20	1954	-	103100
9	1	56.4	20	-	-	248660
10	2	67.9	20	1875	-	392311
11	1	53	20	-	-	538714
12	1	63.5	20	-	-	85606
13	1	61	20	-	-	230531
14	3	95.7	20	1762	1649	373944
15	2	83.2	20	1872	-	519825
16	1	64.5	20	-	-	67705
17	3	84.7	20	1137	1262	211903
18	2	75.1	20	1760	-	357089
19	1	57.5	20	-	-	502766
20	1	59.4	20	-	-	49820

Trial Number:			26			Detection (Yes/No)
Number of Bursts in Trial:			19			
Chirp Center Frequency:			5501			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	84.8	19	1402	1483	204315
2	3	89.9	19	1270	1088	356811
3	1	65.7	19	-	-	510576
4	1	50.2	19	-	-	33589
5	2	73.9	19	1975	-	185900
6	1	60.4	19	-	-	339270
7	1	66.4	19	-	-	491849
8	3	89.5	19	1636	1644	14709
9	1	64.3	19	-	-	167565
10	2	81.1	19	1132	-	319889
11	3	87.5	19	1694	1461	470799
12	2	67	19	1710	-	624747
13	1	61.6	19	-	-	148771
14	2	82.3	19	1115	-	300870
15	1	62.7	19	-	-	454109
16	2	77.9	19	1144	-	606553
17	1	58.7	19	-	-	129857
18	1	64.7	19	-	-	282885
19	2	83.1	19	1814	-	434550
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DFS Radar Parameters
FCC Radar Type 5
Channel 100 Bandwidth 20MHz

Trial Number:			27			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5503			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	66.4	14	-	-	745935
2	3	96.4	14	1837	1192	140379
3	3	99.4	14	1381	1426	333254
4	1	52.8	14	-	-	528146
5	2	82	14	1966	-	719719
6	3	94.4	14	1023	1542	116535
7	3	83.4	14	1559	1553	309393
8	1	66	14	-	-	504537
9	3	93	14	1248	1229	696099
10	3	96.7	14	1489	1766	92755
11	1	50	14	-	-	286683
12	3	93.8	14	1725	1450	478266
13	1	66.3	14	-	-	673817
14	1	50.1	14	-	-	69261
15	1	53.5	14	-	-	262911
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Trial Number:			28			Detection (Yes/No)
Number of Bursts in Trial:			17			
Chirp Center Frequency:			5502			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	52.6	16	-	-	402981
2	2	80.4	16	1317	-	572774
3	2	68	16	1083	-	40002
4	1	52	16	-	-	210766
5	1	61.2	16	-	-	381585
6	2	77.5	16	1835	-	550980
7	3	91.2	16	1242	1508	18933
8	3	94.1	16	1172	1781	189168
9	1	64.1	16	-	-	360581
10	2	75.4	16	1671	-	529998
11	2	80.4	16	1062	-	701074
12	3	86.1	16	1654	1771	167903
13	1	51.9	16	-	-	339580
14	2	78.8	16	1750	-	509147
15	2	82.9	16	1739	-	679339
16	1	55.2	16	-	-	147730
17	1	55.8	16	-	-	318574
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DFS Radar Parameters
FCC Radar Type 5
Channel 100 Bandwidth 20MHz

Trial Number:			29			Detection (Yes/No)
Number of Bursts in Trial:			8			
Chirp Center Frequency:			5507			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	69.9	5	1231	-	1040092
2	3	92	5	1593	1940	1401346
3	3	91.2	5	1430	1213	269077
4	1	63	5	-	-	632858
5	3	85.5	5	1398	1388	994496
6	3	87	5	1238	1335	1357259
7	3	83.8	5	1795	1453	224400
8	1	55.9	5	-	-	588118
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Trial Number:			30			Detection (Yes/No)
Number of Bursts in Trial:			11			
Chirp Center Frequency:			5505			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	90.6	9	1281	1306	689974
2	3	94.4	9	1552	1239	953509
3	2	73.4	9	1022	-	130794
4	3	92.9	9	1006	1991	394036
5	1	64.2	9	-	-	659636
6	3	87.4	9	1059	1043	921421
7	2	71.2	9	1439	-	98200
8	2	66.8	9	1944	-	361982
9	1	58.1	9	-	-	626743
10	2	79.7	9	1788	-	889284
11	2	82.3	9	1800	-	65697
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DFS Radar Parameters
FCC Radar Type 1
Channel 102 Bandwidth 40MHz

Trial #	Pulse Repetition Frequency Number (1 to 23)	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	16	1222.49	818	Yes
2	3	1792.11	558	Yes
3	7	1567.40	638	Yes
4	9	1474.93	678	Yes
5	22	1066.10	938	Yes
6	6	1618.12	618	Yes
7	21	1089.32	918	Yes
8	19	1138.95	878	Yes
9	4	1730.10	578	Yes
10	8	1519.76	658	Yes
11	5	1672.24	598	Yes
12	2	1858.74	538	Yes
13	18	1165.50	858	Yes
14	12	326.16	3066	Yes
15	17	1193.32	838	Yes
16		396.67	2521	Yes
17		843.17	1186	Yes
18		652.74	1532	Yes
19		1377.41	726	Yes
20		712.76	1403	Yes
21		481.46	2077	Yes
22		422.12	2369	Yes
23		805.15	1242	Yes
24		1760.56	568	Yes
25		398.88	2507	Yes
26		953.29	1049	Yes
27		368.73	2712	Yes
28		597.01	1675	Yes
29		475.06	2105	Yes
30		648.09	1543	Yes

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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	29	4.90	160	Yes
2	24	2.10	170	Yes
3	25	2.30	223	Yes
4	24	1.70	226	Yes
5	25	2.30	203	Yes
6	27	3.40	180	Yes
7	24	1.90	158	Yes
8	28	4.30	171	Yes
9	27	3.70	185	Yes
10	23	1.50	151	Yes
11	27	3.40	213	Yes
12	28	4.20	187	Yes
13	24	1.60	210	Yes
14	26	3.30	161	Yes
15	23	1.20	215	Yes
16	27	3.60	196	Yes
17	27	3.90	152	Yes
18	24	2.00	197	Yes
19	28	4.40	150	Yes
20	28	4.30	169	Yes
21	25	2.20	173	Yes
22	24	1.60	168	Yes
23	25	2.50	205	Yes
24	28	4.00	192	Yes
25	29	4.90	155	Yes
26	29	4.70	217	Yes
27	27	3.40	218	Yes
28	28	4.00	194	Yes
29	23	1.00	166	Yes
30	24	2.10	177	Yes

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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	18	9.90	400	Yes
2	16	7.10	405	Yes
3	17	7.30	283	Yes
4	16	6.70	374	Yes
5	16	7.30	318	Yes
6	17	8.40	281	Yes
7	16	6.90	310	Yes
8	18	9.30	401	Yes
9	18	8.70	377	Yes
10	16	6.50	430	Yes
11	17	8.40	243	Yes
12	18	9.20	476	Yes
13	16	6.60	312	Yes
14	17	8.30	239	Yes
15	16	6.20	332	Yes
16	17	8.60	462	Yes
17	18	8.90	499	Yes
18	16	7.00	402	Yes
19	18	9.40	282	Yes
20	18	9.30	437	Yes
21	16	7.20	217	Yes
22	16	6.60	410	Yes
23	17	7.50	287	Yes
24	18	9.00	392	Yes
25	18	9.90	339	Yes
26	18	9.70	348	Yes
27	17	8.40	459	Yes
28	18	9.00	254	Yes
29	16	6.00	349	Yes
30	16	7.10	292	Yes

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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	16	19.60	400	Yes
2	13	13.50	405	Yes
3	13	14.00	283	Yes
4	12	12.70	374	Yes
5	13	14.00	318	Yes
6	15	16.50	281	Yes
7	13	13.10	310	Yes
8	16	18.40	401	Yes
9	15	17.20	377	Yes
10	12	12.10	430	Yes
11	15	16.40	243	Yes
12	15	18.10	476	Yes
13	12	12.50	312	Yes
14	14	16.10	239	Yes
15	12	11.60	332	Yes
16	15	16.90	462	Yes
17	15	17.40	499	Yes
18	13	13.30	402	Yes
19	16	18.50	282	Yes
20	16	18.40	437	Yes
21	13	13.80	217	Yes
22	12	12.40	410	Yes
23	13	14.40	287	Yes
24	15	17.70	392	Yes
25	16	19.70	339	Yes
26	16	19.20	348	Yes
27	14	16.30	459	Yes
28	15	17.70	254	Yes
29	12	11.00	349	Yes
30	13	13.50	292	Yes

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

Trial Number:			1			Detection (Yes/No)
Number of Bursts in Trial:			20			
Chirp Center Frequency:			5510			
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	97.8	20	1533	1301	117552
2	1	63.7	20	-	-	263229
3	2	66.9	20	1789	-	407098
4	1	59.4	20	-	-	553670
5	1	66.6	20	-	-	100121
6	2	80.4	20	1376	-	244758
7	1	62	20	-	-	390404
8	3	91.2	20	1642	1992	532142
9	3	84.1	20	1458	1188	81862
10	1	56.5	20	-	-	227290
11	2	80.1	20	1446	-	371900
12	3	89.1	20	1275	1170	515965
13	1	58.4	20	-	-	64381
14	2	78.2	20	1731	-	209108
15	1	53.3	20	-	-	354655
16	2	82.8	20	1276	-	498974
17	3	85.5	20	1517	1338	46254
18	1	62.7	20	-	-	191681
19	3	91.8	20	1860	1191	334871
20	3	91.2	20	1845	1246	479814

Trial Number:			2			Detection (Yes/No)
Number of Bursts in Trial:			11			
Chirp Center Frequency:			5510			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	65.4	9	-	-	52142
2	1	57.9	9	-	-	316268
3	2	69.1	9	1131	-	579684
4	3	87.1	9	1057	1611	842688
5	3	97.9	9	1209	1946	19521
6	3	95.6	9	1737	1862	282955
7	2	79.6	9	1785	-	546932
8	3	87.2	9	1616	1941	809323
9	1	50.3	9	-	-	1076310
10	1	64.2	9	-	-	251348
11	1	63.3	9	-	-	515601
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DFS Radar Parameters
FCC Radar Type 5
Channel 102 Bandwidth 40MHz

Trial Number:			3			Detection (Yes/No)
Number of Bursts in Trial:			12			
Chirp Center Frequency:			5510			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	60.7	10	-	-	714770
2	2	80.4	10	1480	-	955444
3	1	55	10	-	-	200528
4	1	63.1	10	-	-	442728
5	2	71.4	10	1454	-	683934
6	1	62.8	10	-	-	927350
7	3	90.3	10	1267	1344	170218
8	3	95.4	10	1159	1399	411825
9	3	96	10	1530	1292	653191
10	1	50.5	10	-	-	897484
11	1	50.8	10	-	-	140724
12	2	67.6	10	1475	-	382539
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Trial Number:			4			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5510			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (μsec)
1	2	72.9	8	1585	-	749614
2	2	82.6	8	1033	-	1039788
3	2	68.5	8	1658	-	132990
4	1	63.6	8	-	-	423918
5	2	82.5	8	1505	-	713640
6	1	62	8	-	-	1005236
7	2	67.3	8	1039	-	97275
8	1	58.6	8	-	-	388214
9	2	71.7	8	1773	-	677685
10	3	85.7	8	1263	1772	967134
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DFS Radar Parameters
FCC Radar Type 5
Channel 102 Bandwidth 40MHz

Trial Number:			5			Detection (Yes/No)
Number of Bursts in Trial:			12			
Chirp Center Frequency:			5510			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	51.8	10	-	-	51320
2	3	95.8	10	1218	1932	292607
3	3	89.8	10	1956	1706	533931
4	3	94.7	10	1556	1577	775430
5	2	79.9	10	1913	-	21425
6	1	61.6	10	-	-	263512
7	2	71.1	10	1834	-	504898
8	1	50.8	10	-	-	747898
9	2	74.9	10	1777	-	988799
10	3	90.9	10	1049	1749	233056
11	2	69.9	10	1741	-	475380
12	3	93.2	10	1797	1010	716212
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Trial Number:			6			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5510			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	69.3	14	1201	-	767203
2	1	58.6	14	-	-	163029
3	1	53.4	14	-	-	356925
4	1	65	14	-	-	550716
5	2	81.9	14	1571	-	742264
6	2	69.9	14	1495	-	138937
7	3	95.3	14	1173	1665	331941
8	2	67.3	14	1849	-	525169
9	3	95.9	14	1808	1742	717454
10	3	90.7	14	1193	1361	115094
11	1	64.5	14	-	-	309087
12	3	90.4	14	1397	1978	500351
13	3	96.2	14	1576	1621	693319
14	1	54.4	14	-	-	91555
15	2	79.4	14	1004	-	284843
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DFS Radar Parameters
FCC Radar Type 5
Channel 102 Bandwidth 40MHz

Trial Number:			7			Detection (Yes/No)
Number of Bursts in Trial:			11			
Chirp Center Frequency:			5510			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	81.9	8	1228	-	652486
2	3	97.1	8	1354	1179	915811
3	2	75.1	8	1763	-	92201
4	2	83	8	1950	-	356108
5	1	55.6	8	-	-	620617
6	3	91.6	8	1321	1894	882529
7	2	75.1	8	1830	-	59736
8	2	78.6	8	1843	-	323627
9	1	59.2	8	-	-	588486
10	2	73.4	8	1357	-	851531
11	2	76.8	8	1640	-	27237
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Trial Number:			8			Detection (Yes/No)
Number of Bursts in Trial:			18			
Chirp Center Frequency:			5510			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	83	18	1967	-	177323
2	2	78.7	18	1447	-	338519
3	2	74.3	18	1876	-	499152
4	3	95.1	18	1871	1914	658193
5	2	75.7	18	1003	-	157967
6	1	60	18	-	-	319282
7	3	97.8	18	1432	1994	478337
8	2	79.7	18	1897	-	640146
9	1	63.2	18	-	-	138172
10	1	59.8	18	-	-	299753
11	1	60.2	18	-	-	461175
12	2	67.5	18	1958	-	620317
13	2	80.1	18	1656	-	118031
14	3	97.5	18	1420	1969	278213
15	1	63.3	18	-	-	441054
16	1	54.4	18	-	-	602761
17	3	89.9	18	1555	1686	98027
18	1	61.2	18	-	-	259748
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DFS Radar Parameters
FCC Radar Type 5
Channel 102 Bandwidth 40MHz

Trial Number:			9			Detection (Yes/No)
Number of Bursts in Trial:			16			
Chirp Center Frequency:			5510			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	81.2	15	1211	-	473165
2	3	99.5	15	1476	1526	652864
3	3	98.6	15	1494	1673	88092
4	2	75.5	15	1358	-	269465
5	2	82.2	15	1799	-	450593
6	3	89.2	15	1428	1891	629850
7	1	53.7	15	-	-	66112
8	3	99.8	15	1563	1790	246426
9	1	57.8	15	-	-	429389
10	1	64.2	15	-	-	610915
11	1	51.5	15	-	-	43753
12	3	94.3	15	1838	1740	224061
13	2	80.1	15	1264	-	406065
14	3	94.2	15	1648	1378	585827
15	3	91.6	15	1855	1813	21297
16	1	55.1	15	-	-	202892
17						
18						
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Trial Number:			10			Detection (Yes/No)
Number of Bursts in Trial:			9			
Chirp Center Frequency:			5510			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (μsec)
1	3	87	7	1551	1583	682456
2	1	66.6	7	-	-	1007177
3	3	93.1	7	1145	1912	1327542
4	1	50.7	7	-	-	321203
5	1	65	7	-	-	644360
6	1	54.4	7	-	-	967003
7	3	92.7	7	1435	1986	1287423
8	1	66.4	7	-	-	281492
9	3	91.3	7	1031	1639	603471
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DFS Radar Parameters
FCC Radar Type 5
Channel 102 Bandwidth 40MHz

Trial Number:			11			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5497			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	69.5	14	1885	-	554490
2	2	71.7	14	1127	-	748535
3	2	79.5	14	1050	-	144762
4	3	95	14	1700	1984	337107
5	3	85.6	14	1491	1962	529960
6	3	92.3	14	1443	1769	723290
7	3	87.2	14	1259	1484	120713
8	3	85.2	14	1196	1535	313503
9	2	67.3	14	1736	-	507300
10	2	78	14	1507	-	700982
11	2	74	14	1632	-	96986
12	2	78.2	14	1521	-	290350
13	1	57.4	14	-	-	484434
14	3	96.5	14	1212	1896	675794
15	3	85.1	14	1009	1824	73058
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Trial Number:			12			Detection (Yes/No)
Number of Bursts in Trial:			18			
Chirp Center Frequency:			5498			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	91.4	17	1543	1122	221584
2	2	75.9	17	1285	-	383008
3	1	52.2	17	-	-	544806
4	3	83.5	17	1645	1698	41016
5	2	78.2	17	1418	-	202246
6	2	68.9	17	1735	-	362787
7	2	79.7	17	1620	-	524123
8	1	66	17	-	-	21373
9	2	75.9	17	1652	-	182340
10	2	74.9	17	1142	-	343347
11	1	60.4	17	-	-	505199
12	3	96.8	17	1425	1929	1483
13	1	61.3	17	-	-	162766
14	3	89.2	17	1664	1527	322477
15	3	96.3	17	1691	1382	483321
16	2	76.8	17	1598	-	644846
17	1	56.7	17	-	-	142961
18	2	82.1	17	1401	-	303677
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DFS Radar Parameters
FCC Radar Type 5
Channel 102 Bandwidth 40MHz

Trial Number:			13			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5494			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	84.3	7	1185	1840	837037
2	1	62.6	7	-	-	1129685
3	2	67.5	7	1121	-	221568
4	2	74.3	7	1299	-	512060
5	1	54.7	7	-	-	803240
6	2	72.2	7	1348	-	1092131
7	2	72	7	1782	-	185625
8	1	64.3	7	-	-	476461
9	1	59.1	7	-	-	767153
10	1	62.8	7	-	-	1058338
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Trial Number:			14			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5497			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	66.1	14	-	-	99977
2	2	67.6	14	1561	-	293277
3	2	77	14	1848	-	486166
4	2	79.5	14	1774	-	679443
5	2	70.2	14	1452	-	76019
6	1	57.9	14	-	-	269907
7	1	59.4	14	-	-	463476
8	3	89.1	14	1139	1182	655444
9	1	52.2	14	-	-	52351
10	1	59.1	14	-	-	246040
11	3	88.3	14	1451	1394	437904
12	2	72.3	14	1930	-	631477
13	3	89.9	14	1304	1171	28394
14	1	55.7	14	-	-	222121
15	1	53.5	14	-	-	415779
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DFS Radar Parameters
FCC Radar Type 5
Channel 102 Bandwidth 40MHz

Trial Number:			15			Detection (Yes/No)
Number of Bursts in Trial:			8			
Chirp Center Frequency:			5494			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	70.1	6	1690	-	1142083
2	2	75.1	6	1130	-	8651
3	3	95.6	6	1634	1547	371364
4	2	75.9	6	1540	-	734769
5	3	96.1	6	1979	1092	1097053
6	2	71.1	6	1927	-	1460746
7	1	51.2	6	-	-	327241
8	2	67.2	6	1254	-	690289
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Trial Number:			16			Detection (Yes/No)
Number of Bursts in Trial:			16			
Chirp Center Frequency:			5497			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	96.2	15	1747	1375	524599
2	2	73.2	15	1256	-	706546
3	3	83.8	15	1503	1247	140647
4	2	67.6	15	1580	-	322136
5	2	67	15	1764	-	503147
6	2	71.1	15	1045	-	685206
7	2	80	15	1093	-	118649
8	1	61.5	15	-	-	300227
9	1	63.8	15	-	-	481837
10	1	59.8	15	-	-	663567
11	2	66.9	15	1133	-	96285
12	3	99.9	15	1237	1839	276805
13	1	58.2	15	-	-	459765
14	3	98	15	1422	1309	638362
15	2	81	15	1697	-	73890
16	2	76.5	15	1225	-	255301
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DFS Radar Parameters
FCC Radar Type 5
Channel 102 Bandwidth 40MHz

Trial Number:			17			Detection (Yes/No)
Number of Bursts in Trial:			17			
Chirp Center Frequency:			5498			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	53.3	16	-	-	411383
2	2	79.8	16	1113	-	581429
3	1	57.1	16	-	-	48641
4	2	74.5	16	1323	-	219167
5	3	97.6	16	1756	1329	388403
6	3	93.9	16	1431	1924	558498
7	1	61.9	16	-	-	27623
8	2	72.8	16	1071	-	198141
9	1	61.8	16	-	-	369042
10	2	70.7	16	1205	-	539355
11	3	84.7	16	1754	1011	6540
12	3	97.1	16	1232	1663	176762
13	2	76.4	16	1637	-	347184
14	3	88.5	16	1148	1925	516725
15	1	63.1	16	-	-	689509
16	3	91.7	16	1607	1627	155628
17	1	64.8	16	-	-	327166
18						
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Trial Number:			18			Detection (Yes/No)
Number of Bursts in Trial:			11			
Chirp Center Frequency:			5495			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	50.4	9	-	-	769962
2	2	80.8	9	1183	-	1033317
3	1	56.2	9	-	-	209366
4	3	86.4	9	1699	1889	471893
5	3	90.4	9	1326	1578	735977
6	3	92.4	9	1935	1307	999376
7	2	67.9	9	1061	-	176633
8	2	72.3	9	1000	-	440415
9	3	97.7	9	1609	1980	702556
10	2	74.5	9	1257	-	968341
11	1	62.4	9	-	-	144142
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DFS Radar Parameters
FCC Radar Type 5
Channel 102 Bandwidth 40MHz

Trial Number:			19			Detection (Yes/No)
Number of Bursts in Trial:			18			
Chirp Center Frequency:			5498			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	72.9	18	1415	-	248935
2	1	55.8	18	-	-	410871
3	3	95.4	18	1001	1618	569349
4	2	72.1	18	1365	-	68050
5	3	94.2	18	1219	1146	228765
6	2	69	18	1197	-	390115
7	2	72.5	18	1313	-	551375
8	1	66.3	18	-	-	48276
9	1	63.9	18	-	-	209701
10	2	76.8	18	1744	-	369703
11	2	69.6	18	1064	-	531757
12	1	52.2	18	-	-	28426
13	1	61.2	18	-	-	189782
14	1	60.9	18	-	-	350977
15	1	55.8	18	-	-	512672
16	3	96.4	18	1030	1938	8515
17	3	86.5	18	1868	1364	169159
18	2	82.9	18	1223	-	330608
19						
20						

Trial Number:			20			Detection (Yes/No)
Number of Bursts in Trial:			18			
Chirp Center Frequency:			5498			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	3	85.1	18	1255	1424	490706
2	2	75.3	18	1014	-	652784
3	3	96.8	18	1436	1667	149224
4	2	75.2	18	1345	-	310876
5	3	85	18	1377	1548	470356
6	1	57.8	18	-	-	634238
7	2	67.1	18	1117	-	129955
8	2	74.8	18	1960	-	290681
9	3	90.1	18	1356	1573	450738
10	1	63	18	-	-	613830
11	3	87.4	18	1701	1128	109872
12	3	89.2	18	1811	1708	270309
13	1	52.2	18	-	-	433136
14	3	100	18	1518	1721	590903
15	2	69.4	18	1261	-	90266
16	3	99.6	18	1757	1161	250454
17	3	100	18	1411	1859	410989
18	1	55.9	18	-	-	574135
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DFS Radar Parameters
FCC Radar Type 5
Channel 102 Bandwidth 40MHz

Trial Number:			21			Detection (Yes/No)
Number of Bursts in Trial:			12			
Chirp Center Frequency:			5525			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	75.4	9	1294	-	105728
2	1	62.5	9	-	-	347884
3	1	52.9	9	-	-	590253
4	1	57.3	9	-	-	832089
5	1	66	9	-	-	76055
6	3	96.9	9	1409	1826	317125
7	2	77.8	9	1805	-	559475
8	3	88.1	9	1877	1567	799936
9	2	80.8	9	1302	-	46134
10	2	78.5	9	1156	-	288165
11	3	95	9	1680	1733	528636
12	2	75.5	9	1732	-	771413
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Trial Number:			22			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5526			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	84.6	7	1438	1134	19605
2	3	96.1	7	1104	1715	309706
3	2	81.5	7	1268	-	600138
4	3	89.4	7	1032	1704	889826
5	1	62.5	7	-	-	1182510
6	3	99.2	7	1803	1444	273804
7	1	65.7	7	-	-	565176
8	3	97.7	7	1241	1160	853864
9	2	70.8	7	1305	-	1145427
10	3	87.5	7	1947	1165	238176
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DFS Radar Parameters
FCC Radar Type 5
Channel 102 Bandwidth 40MHz

Trial Number:			23			Detection (Yes/No)
Number of Bursts in Trial:			12			
Chirp Center Frequency:			5524			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	55	11	-	-	440879
2	2	69.3	11	1524	-	682230
3	2	78.9	11	1874	-	923264
4	1	59.5	11	-	-	168989
5	2	78.9	11	1310	-	410663
6	2	74.7	11	1724	-	652226
7	2	74.5	11	1400	-	893975
8	2	69.7	11	1295	-	138987
9	2	82.9	11	1414	-	380887
10	1	61.7	11	-	-	623768
11	1	60.9	11	-	-	866033
12	3	99.9	11	1964	1529	109031
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Trial Number:			24			Detection (Yes/No)
Number of Bursts in Trial:			17			
Chirp Center Frequency:			5522			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	16	1683	-	247393
2	2	73.9	16	1786	-	417650
3	2	80	16	1472	-	588053
4	2	77.8	16	1579	-	56018
5	1	59.3	16	-	-	227085
6	3	100	16	1184	1387	396059
7	3	97.5	16	1500	1096	566915
8	3	97	16	1863	1752	34890
9	2	77.1	16	1729	-	205373
10	3	88.6	16	1545	1186	375366
11	2	79.8	16	1784	-	546122
12	1	64.6	16	-	-	14032
13	2	78.4	16	1226	-	184662
14	3	91.4	16	1250	1200	354694
15	1	57.7	16	-	-	526319
16	1	62.9	16	-	-	697546
17	3	87.4	16	1367	1588	163217
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19						
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DFS Radar Parameters
FCC Radar Type 5
Channel 102 Bandwidth 40MHz

Trial Number:			25			Detection (Yes/No)
Number of Bursts in Trial:			20			
Chirp Center Frequency:			5521			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	70.2	20	1684	-	283507
2	3	83.8	20	1780	1298	427582
3	1	52.2	20	-	-	575047
4	3	85.1	20	1613	1389	120618
5	3	87.9	20	1936	1779	264713
6	1	57.5	20	-	-	411930
7	3	83.6	20	1858	1734	553051
8	2	78.4	20	1954	-	103100
9	1	56.4	20	-	-	248660
10	2	67.9	20	1875	-	392311
11	1	53	20	-	-	538714
12	1	63.5	20	-	-	85606
13	1	61	20	-	-	230531
14	3	95.7	20	1762	1649	373944
15	2	83.2	20	1872	-	519825
16	1	64.5	20	-	-	67705
17	3	84.7	20	1137	1262	211903
18	2	75.1	20	1760	-	357089
19	1	57.5	20	-	-	502766
20	1	59.4	20	-	-	49820

Trial Number:			26			Detection (Yes/No)
Number of Bursts in Trial:			19			
Chirp Center Frequency:			5521			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	84.8	19	1402	1483	204315
2	3	89.9	19	1270	1088	356811
3	1	65.7	19	-	-	510576
4	1	50.2	19	-	-	33589
5	2	73.9	19	1975	-	185900
6	1	60.4	19	-	-	339270
7	1	66.4	19	-	-	491849
8	3	89.5	19	1636	1644	14709
9	1	64.3	19	-	-	167565
10	2	81.1	19	1132	-	319889
11	3	87.5	19	1694	1461	470799
12	2	67	19	1710	-	624747
13	1	61.6	19	-	-	148771
14	2	82.3	19	1115	-	300870
15	1	62.7	19	-	-	454109
16	2	77.9	19	1144	-	606553
17	1	58.7	19	-	-	129857
18	1	64.7	19	-	-	282885
19	2	83.1	19	1814	-	434550
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DFS Radar Parameters
FCC Radar Type 5
Channel 102 Bandwidth 40MHz

Trial Number:			27			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5523			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	66.4	14	-	-	745935
2	3	96.4	14	1837	1192	140379
3	3	99.4	14	1381	1426	333254
4	1	52.8	14	-	-	528146
5	2	82	14	1966	-	719719
6	3	94.4	14	1023	1542	116535
7	3	83.4	14	1559	1553	309393
8	1	66	14	-	-	504537
9	3	93	14	1248	1229	696099
10	3	96.7	14	1489	1766	92755
11	1	50	14	-	-	286683
12	3	93.8	14	1725	1450	478266
13	1	66.3	14	-	-	673817
14	1	50.1	14	-	-	69261
15	1	53.5	14	-	-	262911
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18						
19						
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Trial Number:			28			Detection (Yes/No)
Number of Bursts in Trial:			17			
Chirp Center Frequency:			5522			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	52.6	16	-	-	402981
2	2	80.4	16	1317	-	572774
3	2	68	16	1083	-	40002
4	1	52	16	-	-	210766
5	1	61.2	16	-	-	381585
6	2	77.5	16	1835	-	550980
7	3	91.2	16	1242	1508	18933
8	3	94.1	16	1172	1781	189168
9	1	64.1	16	-	-	360581
10	2	75.4	16	1671	-	529998
11	2	80.4	16	1062	-	701074
12	3	86.1	16	1654	1771	167903
13	1	51.9	16	-	-	339580
14	2	78.8	16	1750	-	509147
15	2	82.9	16	1739	-	679339
16	1	55.2	16	-	-	147730
17	1	55.8	16	-	-	318574
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DFS Radar Parameters
FCC Radar Type 5
Channel 102 Bandwidth 40MHz

Trial Number:			29			Detection (Yes/No)
Number of Bursts in Trial:			8			
Chirp Center Frequency:			5527			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	69.9	5	1231	-	1040092
2	3	92	5	1593	1940	1401346
3	3	91.2	5	1430	1213	269077
4	1	63	5	-	-	632858
5	3	85.5	5	1398	1388	994496
6	3	87	5	1238	1335	1357259
7	3	83.8	5	1795	1453	224400
8	1	55.9	5	-	-	588118
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Trial Number:			30			Detection (Yes/No)
Number of Bursts in Trial:			11			
Chirp Center Frequency:			5525			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	90.6	9	1281	1306	689974
2	3	94.4	9	1552	1239	953509
3	2	73.4	9	1022	-	130794
4	3	92.9	9	1006	1991	394036
5	1	64.2	9	-	-	659636
6	3	87.4	9	1059	1043	921421
7	2	71.2	9	1439	-	98200
8	2	66.8	9	1944	-	361982
9	1	58.1	9	-	-	626743
10	2	79.7	9	1788	-	889284
11	2	82.3	9	1800	-	65697
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DFS Radar Parameters
FCC Radar Type 1
Channel 106 Bandwidth 80MHz

Trial #	Pulse Repetition Frequency Number (1 to 23)	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	16	1222.49	818	Yes
2	3	1792.11	558	Yes
3	7	1567.40	638	Yes
4	9	1474.93	678	Yes
5	22	1066.10	938	Yes
6	6	1618.12	618	Yes
7	21	1089.32	918	Yes
8	19	1138.95	878	Yes
9	4	1730.10	578	Yes
10	8	1519.76	658	Yes
11	5	1672.24	598	Yes
12	2	1858.74	538	Yes
13	18	1165.50	858	Yes
14	12	326.16	3066	Yes
15	17	1193.32	838	Yes
16		396.67	2521	Yes
17		843.17	1186	Yes
18		652.74	1532	Yes
19		1377.41	726	Yes
20		712.76	1403	Yes
21		481.46	2077	Yes
22		422.12	2369	Yes
23		805.15	1242	Yes
24		1760.56	568	Yes
25		398.88	2507	Yes
26		953.29	1049	Yes
27		368.73	2712	Yes
28		597.01	1675	Yes
29		475.06	2105	Yes
30		648.09	1543	Yes

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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	29	4.90	160	Yes
2	24	2.10	170	Yes
3	25	2.30	223	Yes
4	24	1.70	226	Yes
5	25	2.30	203	Yes
6	27	3.40	180	Yes
7	24	1.90	158	Yes
8	28	4.30	171	Yes
9	27	3.70	185	Yes
10	23	1.50	151	Yes
11	27	3.40	213	Yes
12	28	4.20	187	Yes
13	24	1.60	210	Yes
14	26	3.30	161	Yes
15	23	1.20	215	Yes
16	27	3.60	196	Yes
17	27	3.90	152	Yes
18	24	2.00	197	Yes
19	28	4.40	150	Yes
20	28	4.30	169	Yes
21	25	2.20	173	Yes
22	24	1.60	168	Yes
23	25	2.50	205	Yes
24	28	4.00	192	Yes
25	29	4.90	155	Yes
26	29	4.70	217	Yes
27	27	3.40	218	Yes
28	28	4.00	194	Yes
29	23	1.00	166	Yes
30	24	2.10	177	Yes

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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	18	9.90	400	Yes
2	16	7.10	405	Yes
3	17	7.30	283	Yes
4	16	6.70	374	Yes
5	16	7.30	318	Yes
6	17	8.40	281	Yes
7	16	6.90	310	Yes
8	18	9.30	401	Yes
9	18	8.70	377	Yes
10	16	6.50	430	Yes
11	17	8.40	243	Yes
12	18	9.20	476	Yes
13	16	6.60	312	Yes
14	17	8.30	239	Yes
15	16	6.20	332	Yes
16	17	8.60	462	Yes
17	18	8.90	499	Yes
18	16	7.00	402	Yes
19	18	9.40	282	Yes
20	18	9.30	437	Yes
21	16	7.20	217	Yes
22	16	6.60	410	Yes
23	17	7.50	287	Yes
24	18	9.00	392	Yes
25	18	9.90	339	Yes
26	18	9.70	348	Yes
27	17	8.40	459	Yes
28	18	9.00	254	Yes
29	16	6.00	349	Yes
30	16	7.10	292	Yes

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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	16	19.60	400	Yes
2	13	13.50	405	Yes
3	13	14.00	283	Yes
4	12	12.70	374	Yes
5	13	14.00	318	Yes
6	15	16.50	281	Yes
7	13	13.10	310	Yes
8	16	18.40	401	Yes
9	15	17.20	377	Yes
10	12	12.10	430	Yes
11	15	16.40	243	Yes
12	15	18.10	476	Yes
13	12	12.50	312	Yes
14	14	16.10	239	Yes
15	12	11.60	332	Yes
16	15	16.90	462	Yes
17	15	17.40	499	Yes
18	13	13.30	402	Yes
19	16	18.50	282	Yes
20	16	18.40	437	Yes
21	13	13.80	217	Yes
22	12	12.40	410	Yes
23	13	14.40	287	Yes
24	15	17.70	392	Yes
25	16	19.70	339	Yes
26	16	19.20	348	Yes
27	14	16.30	459	Yes
28	15	17.70	254	Yes
29	12	11.00	349	Yes
30	13	13.50	292	Yes

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

Trial Number:			1			Detection (Yes/No)
Number of Bursts in Trial:			20			
Chirp Center Frequency:			5530			
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	97.8	20	1533	1301	117552
2	1	63.7	20	-	-	263229
3	2	66.9	20	1789	-	407098
4	1	59.4	20	-	-	553670
5	1	66.6	20	-	-	100121
6	2	80.4	20	1376	-	244758
7	1	62	20	-	-	390404
8	3	91.2	20	1642	1992	532142
9	3	84.1	20	1458	1188	81862
10	1	56.5	20	-	-	227290
11	2	80.1	20	1446	-	371900
12	3	89.1	20	1275	1170	515965
13	1	58.4	20	-	-	64381
14	2	78.2	20	1731	-	209108
15	1	53.3	20	-	-	354655
16	2	82.8	20	1276	-	498974
17	3	85.5	20	1517	1338	46254
18	1	62.7	20	-	-	191681
19	3	91.8	20	1860	1191	334871
20	3	91.2	20	1845	1246	479814

Trial Number:			2			Detection (Yes/No)
Number of Bursts in Trial:			11			
Chirp Center Frequency:			5530			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	65.4	9	-	-	52142
2	1	57.9	9	-	-	316268
3	2	69.1	9	1131	-	579684
4	3	87.1	9	1057	1611	842688
5	3	97.9	9	1209	1946	19521
6	3	95.6	9	1737	1862	282955
7	2	79.6	9	1785	-	546932
8	3	87.2	9	1616	1941	809323
9	1	50.3	9	-	-	1076310
10	1	64.2	9	-	-	251348
11	1	63.3	9	-	-	515601
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DFS Radar Parameters
FCC Radar Type 5
Channel 106 Bandwidth 80MHz

Trial Number:			3			Detection (Yes/No)
Number of Bursts in Trial:			12			
Chirp Center Frequency:			5530			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	60.7	10	-	-	714770
2	2	80.4	10	1480	-	955444
3	1	55	10	-	-	200528
4	1	63.1	10	-	-	442728
5	2	71.4	10	1454	-	683934
6	1	62.8	10	-	-	927350
7	3	90.3	10	1267	1344	170218
8	3	95.4	10	1159	1399	411825
9	3	96	10	1530	1292	653191
10	1	50.5	10	-	-	897484
11	1	50.8	10	-	-	140724
12	2	67.6	10	1475	-	382539
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Trial Number:			4			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5530			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (μsec)
1	2	72.9	8	1585	-	749614
2	2	82.6	8	1033	-	1039788
3	2	68.5	8	1658	-	132990
4	1	63.6	8	-	-	423918
5	2	82.5	8	1505	-	713640
6	1	62	8	-	-	1005236
7	2	67.3	8	1039	-	97275
8	1	58.6	8	-	-	388214
9	2	71.7	8	1773	-	677685
10	3	85.7	8	1263	1772	967134
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DFS Radar Parameters
FCC Radar Type 5
Channel 106 Bandwidth 80MHz

Trial Number:			5			Detection (Yes/No)
Number of Bursts in Trial:			12			
Chirp Center Frequency:			5530			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	51.8	10	-	-	51320
2	3	95.8	10	1218	1932	292607
3	3	89.8	10	1956	1706	533931
4	3	94.7	10	1556	1577	775430
5	2	79.9	10	1913	-	21425
6	1	61.6	10	-	-	263512
7	2	71.1	10	1834	-	504898
8	1	50.8	10	-	-	747898
9	2	74.9	10	1777	-	988799
10	3	90.9	10	1049	1749	233056
11	2	69.9	10	1741	-	475380
12	3	93.2	10	1797	1010	716212
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Trial Number:			6			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5530			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	69.3	14	1201	-	767203
2	1	58.6	14	-	-	163029
3	1	53.4	14	-	-	356925
4	1	65	14	-	-	550716
5	2	81.9	14	1571	-	742264
6	2	69.9	14	1495	-	138937
7	3	95.3	14	1173	1665	331941
8	2	67.3	14	1849	-	525169
9	3	95.9	14	1808	1742	717454
10	3	90.7	14	1193	1361	115094
11	1	64.5	14	-	-	309087
12	3	90.4	14	1397	1978	500351
13	3	96.2	14	1576	1621	693319
14	1	54.4	14	-	-	91555
15	2	79.4	14	1004	-	284843
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DFS Radar Parameters
FCC Radar Type 5
Channel 106 Bandwidth 80MHz

Trial Number:			7			Detection (Yes/No)
Number of Bursts in Trial:			11			
Chirp Center Frequency:			5530			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	81.9	8	1228	-	652486
2	3	97.1	8	1354	1179	915811
3	2	75.1	8	1763	-	92201
4	2	83	8	1950	-	356108
5	1	55.6	8	-	-	620617
6	3	91.6	8	1321	1894	882529
7	2	75.1	8	1830	-	59736
8	2	78.6	8	1843	-	323627
9	1	59.2	8	-	-	588486
10	2	73.4	8	1357	-	851531
11	2	76.8	8	1640	-	27237
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Trial Number:			8			Detection (Yes/No)
Number of Bursts in Trial:			18			
Chirp Center Frequency:			5530			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	83	18	1967	-	177323
2	2	78.7	18	1447	-	338519
3	2	74.3	18	1876	-	499152
4	3	95.1	18	1871	1914	658193
5	2	75.7	18	1003	-	157967
6	1	60	18	-	-	319282
7	3	97.8	18	1432	1994	478337
8	2	79.7	18	1897	-	640146
9	1	63.2	18	-	-	138172
10	1	59.8	18	-	-	299753
11	1	60.2	18	-	-	461175
12	2	67.5	18	1958	-	620317
13	2	80.1	18	1656	-	118031
14	3	97.5	18	1420	1969	278213
15	1	63.3	18	-	-	441054
16	1	54.4	18	-	-	602761
17	3	89.9	18	1555	1686	98027
18	1	61.2	18	-	-	259748
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DFS Radar Parameters
FCC Radar Type 5
Channel 106 Bandwidth 80MHz

Trial Number:			9			Detection (Yes/No)
Number of Bursts in Trial:			16			
Chirp Center Frequency:			5530			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	81.2	15	1211	-	473165
2	3	99.5	15	1476	1526	652864
3	3	98.6	15	1494	1673	88092
4	2	75.5	15	1358	-	269465
5	2	82.2	15	1799	-	450593
6	3	89.2	15	1428	1891	629850
7	1	53.7	15	-	-	66112
8	3	99.8	15	1563	1790	246426
9	1	57.8	15	-	-	429389
10	1	64.2	15	-	-	610915
11	1	51.5	15	-	-	43753
12	3	94.3	15	1838	1740	224061
13	2	80.1	15	1264	-	406065
14	3	94.2	15	1648	1378	585827
15	3	91.6	15	1855	1813	21297
16	1	55.1	15	-	-	202892
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Trial Number:			10			Detection (Yes/No)
Number of Bursts in Trial:			9			
Chirp Center Frequency:			5530			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (μsec)
1	3	87	7	1551	1583	682456
2	1	66.6	7	-	-	1007177
3	3	93.1	7	1145	1912	1327542
4	1	50.7	7	-	-	321203
5	1	65	7	-	-	644360
6	1	54.4	7	-	-	967003
7	3	92.7	7	1435	1986	1287423
8	1	66.4	7	-	-	281492
9	3	91.3	7	1031	1639	603471
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DFS Radar Parameters
FCC Radar Type 5
Channel 106 Bandwidth 80MHz

Trial Number:			11			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5498			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	69.5	14	1885	-	554490
2	2	71.7	14	1127	-	748535
3	2	79.5	14	1050	-	144762
4	3	95	14	1700	1984	337107
5	3	85.6	14	1491	1962	529960
6	3	92.3	14	1443	1769	723290
7	3	87.2	14	1259	1484	120713
8	3	85.2	14	1196	1535	313503
9	2	67.3	14	1736	-	507300
10	2	78	14	1507	-	700982
11	2	74	14	1632	-	96986
12	2	78.2	14	1521	-	290350
13	1	57.4	14	-	-	484434
14	3	96.5	14	1212	1896	675794
15	3	85.1	14	1009	1824	73058
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Trial Number:			12			Detection (Yes/No)
Number of Bursts in Trial:			18			
Chirp Center Frequency:			5499			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	91.4	17	1543	1122	221584
2	2	75.9	17	1285	-	383008
3	1	52.2	17	-	-	544806
4	3	83.5	17	1645	1698	41016
5	2	78.2	17	1418	-	202246
6	2	68.9	17	1735	-	362787
7	2	79.7	17	1620	-	524123
8	1	66	17	-	-	21373
9	2	75.9	17	1652	-	182340
10	2	74.9	17	1142	-	343347
11	1	60.4	17	-	-	505199
12	3	96.8	17	1425	1929	1483
13	1	61.3	17	-	-	162766
14	3	89.2	17	1664	1527	322477
15	3	96.3	17	1691	1382	483321
16	2	76.8	17	1598	-	644846
17	1	56.7	17	-	-	142961
18	2	82.1	17	1401	-	303677
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DFS Radar Parameters
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Trial Number:			13			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5495			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	84.3	7	1185	1840	837037
2	1	62.6	7	-	-	1129685
3	2	67.5	7	1121	-	221568
4	2	74.3	7	1299	-	512060
5	1	54.7	7	-	-	803240
6	2	72.2	7	1348	-	1092131
7	2	72	7	1782	-	185625
8	1	64.3	7	-	-	476461
9	1	59.1	7	-	-	767153
10	1	62.8	7	-	-	1058338
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Trial Number:			14			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5498			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	66.1	14	-	-	99977
2	2	67.6	14	1561	-	293277
3	2	77	14	1848	-	486166
4	2	79.5	14	1774	-	679443
5	2	70.2	14	1452	-	76019
6	1	57.9	14	-	-	269907
7	1	59.4	14	-	-	463476
8	3	89.1	14	1139	1182	655444
9	1	52.2	14	-	-	52351
10	1	59.1	14	-	-	246040
11	3	88.3	14	1451	1394	437904
12	2	72.3	14	1930	-	631477
13	3	89.9	14	1304	1171	28394
14	1	55.7	14	-	-	222121
15	1	53.5	14	-	-	415779
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DFS Radar Parameters
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Channel 106 Bandwidth 80MHz

Trial Number:			15			Detection (Yes/No)
Number of Bursts in Trial:			8			
Chirp Center Frequency:			5495			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	70.1	6	1690	-	1142083
2	2	75.1	6	1130	-	8651
3	3	95.6	6	1634	1547	371364
4	2	75.9	6	1540	-	734769
5	3	96.1	6	1979	1092	1097053
6	2	71.1	6	1927	-	1460746
7	1	51.2	6	-	-	327241
8	2	67.2	6	1254	-	690289
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Trial Number:			16			Detection (Yes/No)
Number of Bursts in Trial:			16			
Chirp Center Frequency:			5499			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	96.2	15	1747	1375	524599
2	2	73.2	15	1256	-	706546
3	3	83.8	15	1503	1247	140647
4	2	67.6	15	1580	-	322136
5	2	67	15	1764	-	503147
6	2	71.1	15	1045	-	685206
7	2	80	15	1093	-	118649
8	1	61.5	15	-	-	300227
9	1	63.8	15	-	-	481837
10	1	59.8	15	-	-	663567
11	2	66.9	15	1133	-	96285
12	3	99.9	15	1237	1839	276805
13	1	58.2	15	-	-	459765
14	3	98	15	1422	1309	638362
15	2	81	15	1697	-	73890
16	2	76.5	15	1225	-	255301
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DFS Radar Parameters
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Channel 106 Bandwidth 80MHz

Trial Number:			17			Detection (Yes/No)
Number of Bursts in Trial:			17			
Chirp Center Frequency:			5499			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	53.3	16	-	-	411383
2	2	79.8	16	1113	-	581429
3	1	57.1	16	-	-	48641
4	2	74.5	16	1323	-	219167
5	3	97.6	16	1756	1329	388403
6	3	93.9	16	1431	1924	558498
7	1	61.9	16	-	-	27623
8	2	72.8	16	1071	-	198141
9	1	61.8	16	-	-	369042
10	2	70.7	16	1205	-	539355
11	3	84.7	16	1754	1011	6540
12	3	97.1	16	1232	1663	176762
13	2	76.4	16	1637	-	347184
14	3	88.5	16	1148	1925	516725
15	1	63.1	16	-	-	689509
16	3	91.7	16	1607	1627	155628
17	1	64.8	16	-	-	327166
18						
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Trial Number:			18			Detection (Yes/No)
Number of Bursts in Trial:			11			
Chirp Center Frequency:			5496			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	50.4	9	-	-	769962
2	2	80.8	9	1183	-	1033317
3	1	56.2	9	-	-	209366
4	3	86.4	9	1699	1889	471893
5	3	90.4	9	1326	1578	735977
6	3	92.4	9	1935	1307	999376
7	2	67.9	9	1061	-	176633
8	2	72.3	9	1000	-	440415
9	3	97.7	9	1609	1980	702556
10	2	74.5	9	1257	-	968341
11	1	62.4	9	-	-	144142
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Trial Number:			19			Detection (Yes/No)
Number of Bursts in Trial:			18			
Chirp Center Frequency:			5500			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (μsec)
1	2	72.9	18	1415	-	248935
2	1	55.8	18	-	-	410871
3	3	95.4	18	1001	1618	569349
4	2	72.1	18	1365	-	68050
5	3	94.2	18	1219	1146	228765
6	2	69	18	1197	-	390115
7	2	72.5	18	1313	-	551375
8	1	66.3	18	-	-	48276
9	1	63.9	18	-	-	209701
10	2	76.8	18	1744	-	369703
11	2	69.6	18	1064	-	531757
12	1	52.2	18	-	-	28426
13	1	61.2	18	-	-	189782
14	1	60.9	18	-	-	350977
15	1	55.8	18	-	-	512672
16	3	96.4	18	1030	1938	8515
17	3	86.5	18	1868	1364	169159
18	2	82.9	18	1223	-	330608
19						
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Trial Number:			20			Detection (Yes/No)
Number of Bursts in Trial:			18			
Chirp Center Frequency:			5500			
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	85.1	18	1255	1424	490706
2	2	75.3	18	1014	-	652784
3	3	96.8	18	1436	1667	149224
4	2	75.2	18	1345	-	310876
5	3	85	18	1377	1548	470356
6	1	57.8	18	-	-	634238
7	2	67.1	18	1117	-	129955
8	2	74.8	18	1960	-	290681
9	3	90.1	18	1356	1573	450738
10	1	63	18	-	-	613830
11	3	87.4	18	1701	1128	109872
12	3	89.2	18	1811	1708	270309
13	1	52.2	18	-	-	433136
14	3	100	18	1518	1721	590903
15	2	69.4	18	1261	-	90266
16	3	99.6	18	1757	1161	250454
17	3	100	18	1411	1859	410989
18	1	55.9	18	-	-	574135
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Trial Number:			21			Detection (Yes/No)
Number of Bursts in Trial:			12			
Chirp Center Frequency:			5564			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	75.4	9	1294	-	105728
2	1	62.5	9	-	-	347884
3	1	52.9	9	-	-	590253
4	1	57.3	9	-	-	832089
5	1	66	9	-	-	76055
6	3	96.9	9	1409	1826	317125
7	2	77.8	9	1805	-	559475
8	3	88.1	9	1877	1567	799936
9	2	80.8	9	1302	-	46134
10	2	78.5	9	1156	-	288165
11	3	95	9	1680	1733	528636
12	2	75.5	9	1732	-	771413
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Trial Number:			22			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5565			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	84.6	7	1438	1134	19605
2	3	96.1	7	1104	1715	309706
3	2	81.5	7	1268	-	600138
4	3	89.4	7	1032	1704	889826
5	1	62.5	7	-	-	1182510
6	3	99.2	7	1803	1444	273804
7	1	65.7	7	-	-	565176
8	3	97.7	7	1241	1160	853864
9	2	70.8	7	1305	-	1145427
10	3	87.5	7	1947	1165	238176
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Trial Number:			23			Detection (Yes/No)
Number of Bursts in Trial:			12			
Chirp Center Frequency:			5563			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	55	11	-	-	440879
2	2	69.3	11	1524	-	682230
3	2	78.9	11	1874	-	923264
4	1	59.5	11	-	-	168989
5	2	78.9	11	1310	-	410663
6	2	74.7	11	1724	-	652226
7	2	74.5	11	1400	-	893975
8	2	69.7	11	1295	-	138987
9	2	82.9	11	1414	-	380887
10	1	61.7	11	-	-	623768
11	1	60.9	11	-	-	866033
12	3	99.9	11	1964	1529	109031
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Trial Number:			24			Detection (Yes/No)
Number of Bursts in Trial:			17			
Chirp Center Frequency:			5561			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	16	1683	-	247393
2	2	73.9	16	1786	-	417650
3	2	80	16	1472	-	588053
4	2	77.8	16	1579	-	56018
5	1	59.3	16	-	-	227085
6	3	100	16	1184	1387	396059
7	3	97.5	16	1500	1096	566915
8	3	97	16	1863	1752	34890
9	2	77.1	16	1729	-	205373
10	3	88.6	16	1545	1186	375366
11	2	79.8	16	1784	-	546122
12	1	64.6	16	-	-	14032
13	2	78.4	16	1226	-	184662
14	3	91.4	16	1250	1200	354694
15	1	57.7	16	-	-	526319
16	1	62.9	16	-	-	697546
17	3	87.4	16	1367	1588	163217
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Trial Number:			25			Detection (Yes/No)
Number of Bursts in Trial:			20			
Chirp Center Frequency:			5559			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	70.2	20	1684	-	283507
2	3	83.8	20	1780	1298	427582
3	1	52.2	20	-	-	575047
4	3	85.1	20	1613	1389	120618
5	3	87.9	20	1936	1779	264713
6	1	57.5	20	-	-	411930
7	3	83.6	20	1858	1734	553051
8	2	78.4	20	1954	-	103100
9	1	56.4	20	-	-	248660
10	2	67.9	20	1875	-	392311
11	1	53	20	-	-	538714
12	1	63.5	20	-	-	85606
13	1	61	20	-	-	230531
14	3	95.7	20	1762	1649	373944
15	2	83.2	20	1872	-	519825
16	1	64.5	20	-	-	67705
17	3	84.7	20	1137	1262	211903
18	2	75.1	20	1760	-	357089
19	1	57.5	20	-	-	502766
20	1	59.4	20	-	-	49820

Trial Number:			26			Detection (Yes/No)
Number of Bursts in Trial:			19			
Chirp Center Frequency:			5560			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	84.8	19	1402	1483	204315
2	3	89.9	19	1270	1088	356811
3	1	65.7	19	-	-	510576
4	1	50.2	19	-	-	33589
5	2	73.9	19	1975	-	185900
6	1	60.4	19	-	-	339270
7	1	66.4	19	-	-	491849
8	3	89.5	19	1636	1644	14709
9	1	64.3	19	-	-	167565
10	2	81.1	19	1132	-	319889
11	3	87.5	19	1694	1461	470799
12	2	67	19	1710	-	624747
13	1	61.6	19	-	-	148771
14	2	82.3	19	1115	-	300870
15	1	62.7	19	-	-	454109
16	2	77.9	19	1144	-	606553
17	1	58.7	19	-	-	129857
18	1	64.7	19	-	-	282885
19	2	83.1	19	1814	-	434550
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Trial Number:			27			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5562			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	66.4	14	-	-	745935
2	3	96.4	14	1837	1192	140379
3	3	99.4	14	1381	1426	333254
4	1	52.8	14	-	-	528146
5	2	82	14	1966	-	719719
6	3	94.4	14	1023	1542	116535
7	3	83.4	14	1559	1553	309393
8	1	66	14	-	-	504537
9	3	93	14	1248	1229	696099
10	3	96.7	14	1489	1766	92755
11	1	50	14	-	-	286683
12	3	93.8	14	1725	1450	478266
13	1	66.3	14	-	-	673817
14	1	50.1	14	-	-	69261
15	1	53.5	14	-	-	262911
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Trial Number:			28			Detection (Yes/No)
Number of Bursts in Trial:			17			
Chirp Center Frequency:			5561			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	52.6	16	-	-	402981
2	2	80.4	16	1317	-	572774
3	2	68	16	1083	-	40002
4	1	52	16	-	-	210766
5	1	61.2	16	-	-	381585
6	2	77.5	16	1835	-	550980
7	3	91.2	16	1242	1508	18933
8	3	94.1	16	1172	1781	189168
9	1	64.1	16	-	-	360581
10	2	75.4	16	1671	-	529998
11	2	80.4	16	1062	-	701074
12	3	86.1	16	1654	1771	167903
13	1	51.9	16	-	-	339580
14	2	78.8	16	1750	-	509147
15	2	82.9	16	1739	-	679339
16	1	55.2	16	-	-	147730
17	1	55.8	16	-	-	318574
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Trial Number:			29			Detection (Yes/No)
Number of Bursts in Trial:			8			
Chirp Center Frequency:			5565			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	69.9	5	1231	-	1040092
2	3	92	5	1593	1940	1401346
3	3	91.2	5	1430	1213	269077
4	1	63	5	-	-	632858
5	3	85.5	5	1398	1388	994496
6	3	87	5	1238	1335	1357259
7	3	83.8	5	1795	1453	224400
8	1	55.9	5	-	-	588118
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Trial Number:			30			Detection (Yes/No)
Number of Bursts in Trial:			11			
Chirp Center Frequency:			5564			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	90.6	9	1281	1306	689974
2	3	94.4	9	1552	1239	953509
3	2	73.4	9	1022	-	130794
4	3	92.9	9	1006	1991	394036
5	1	64.2	9	-	-	659636
6	3	87.4	9	1059	1043	921421
7	2	71.2	9	1439	-	98200
8	2	66.8	9	1944	-	361982
9	1	58.1	9	-	-	626743
10	2	79.7	9	1788	-	889284
11	2	82.3	9	1800	-	65697
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