FCC DFS TEST REPORT

FCC ID	:	**TVE-240607**
Equipment	:	**Secured Wireless Access Point**
Brand Name	:	**FORTINET**
Model Name	:	**FortiBranchSASE-10F-WiFixxxxxxxxx, FBS-10F-WiFixxxxxxxxx, FORTIBRANCHSASE-10F-WiFixxxxxxxxx (Where "x" can be used as "A-Z", or "0-9", or "-", or blank for sofware changes or marketing purposes only)**
Applicant	:	**Fortinet, Inc. 909 Kifer Road, Sunnyvale, CA 94086, USA**
Manufacturer	:	**Fortinet, Inc. 909 Kifer Road, Sunnyvale, CA 94086, USA**
Standard	:	**FCC Part 15 Subpart E**

The product was received on Jun. 24, 2024 and testing was performed from Jun. 26, 2024 to Aug. 30, 2024. We, Sporton International (USA) Inc., would like to declare that the tested sample has been evaluated in accordance with the procedures given in FCC Part 15 Subpart E and shown compliance with the applicable technical standards.

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

Neil Kao

Approved by: Neil Kao

Sporton International (USA) Inc.
1175 Montague Expressway, Milpitas, CA 95035
TEL : 408 9043300

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History of this test report

Report No.	Version	Description	Issue Date
FZ231211001	01	Initial issue of report	Sep. 11, 2024
FZ231211001	02	Add Section 3.2.5 This report is an updated version, replacing the report issued on Sep. 11, 2024.	Oct. 11, 2024

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/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
Disclaimer:
The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

1 General Description

1.1 Feature of Equipment Under Test

Product Feature	
Equipment	Secured Wireless Access Point
Model Name	FortiBranchSASE-10F-WiFixxxxxxxxxx, FBS-10F-WiFixxxxxxxxxx, FORTIBRANCHSASE-10F-WiFixxxxxxxxxx (where "x" can be used as "A-Z", or "0-9", or "-", or blank for software changes or marketing purposes only)

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

1.2 Product Specification of Equipment Under Test

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

Remark:

1. For other wireless features of this EUT, test report will be issued separately.
2. The EUT's information mentioned above is declared by the manufacturer. Please refer to Comments and Explanations in report summary.

Antenna Information						
Ant.	**Port.**	**Brand**	**Model Name**	**Antenna Type**	**Connector**	**Support**
1	Chain 0	SENAO	5718A0543300	PIFA	i-pex (MHF)	2.4G+5G
2	Chain 1	SENAO	5718A0544300	PIFA	i-pex (MHF)	2.4G+5G
3	BLE	SENAO	5718A0546300	PIFA	i-pex (MHF)	BLE

Gain (dBi)					Remark
Ant.	**Port.**	**BLE**	**2.4G**	**5G Band1-4**	
1	Chain 0	N/A	4.9	5.2	2.4G + 5G Tx/Rx
2	Chain 1	N/A	3.8	5.5	2.4G + 5G Tx/Rx
3	BLE	3.6	N/A	N/A	BLE Tx/Rx

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

FCC Designation No.: US1250

1.4 Modification of EUT

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

1.5 Applied Standards

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

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

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

1.6 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	HW / FW Version	Power Cord
1.	Notebook	MSI	MS-16J5	PD93165NG	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	Notebook	HP ENVY	13-ba1063cl	PD9AX201D2	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2 Requirements and Parameters for DFS Test

2.1 Summary of Dynamic Frequency Selection Test

UNII	Description	Limit
U-NII 2-A 5250-5350 MHz	Channel Availability Check Time	> 60sec
	U-NII Detection Bandwidth	> 100% of the U-NII 99% transmission power bandwidth
	Statistical Performance Check	Type 1,2,3,4 >= 60% Type 1~4 and 5 >= 80% Type 6 >= 70%
	Channel Move Time	< 10 sec
	Channel Closing Transmission Time	< 200 ms + aggregate of 60 ms over remaining 10 s period
	Non-Occupancy Period Test	> 30 minutes
U-NII 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 ≥ 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	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{\text{PRI}_{\mu\text{sec}}}\right)\right\}$	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
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) 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 / 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 / Burst_Count) – (Total Burst Length) + (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.

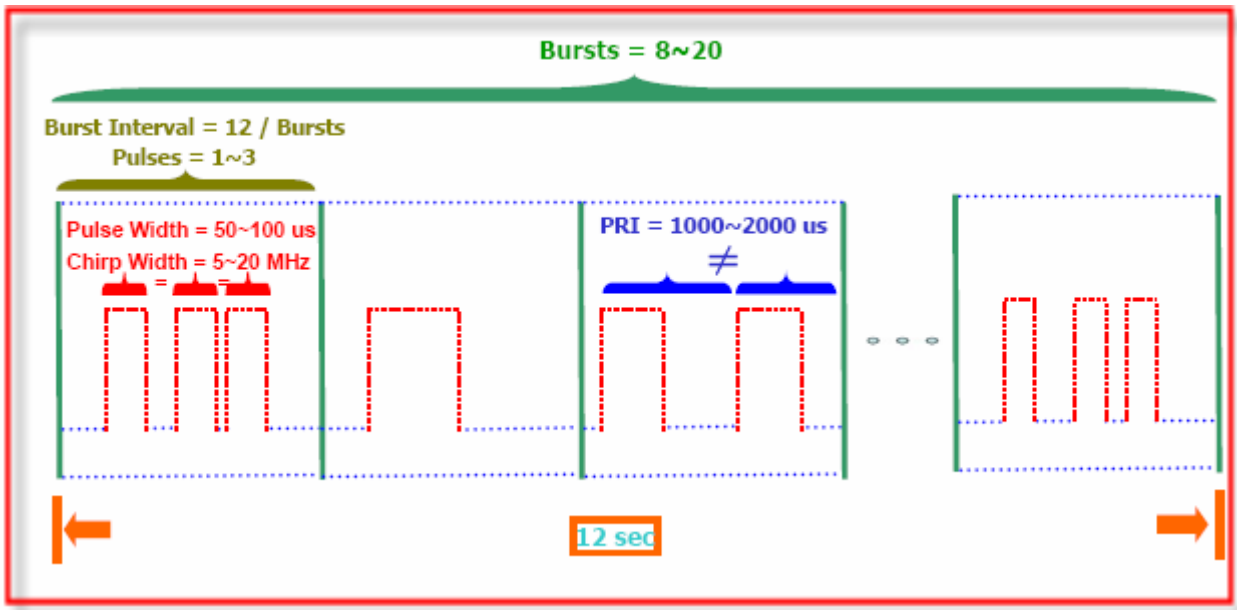
(3) Burst 1 has 2 randomly generated pulses.

(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.

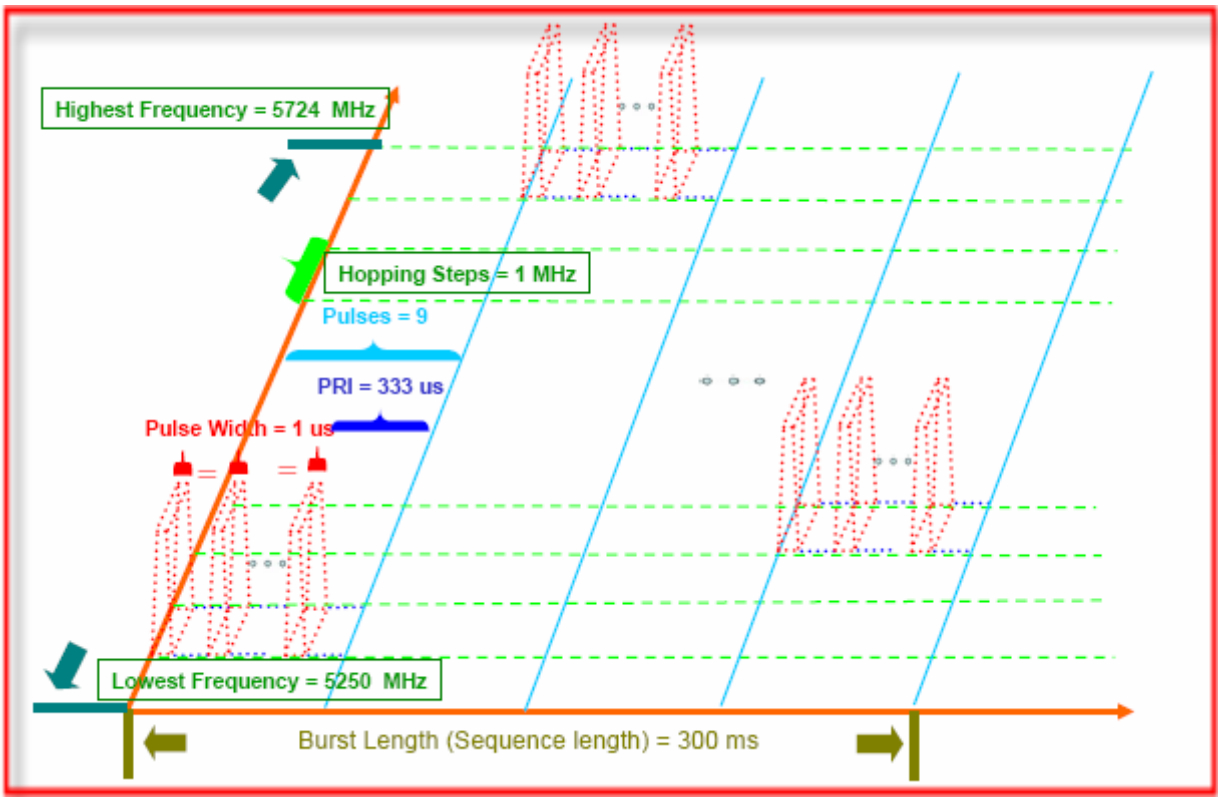
(7) Each Burst is contained in even intervals of 1,500,000 microseconds. The starting location for Pulse 1, Burst 1 is randomly generated (1 to 1,500,000 minus the total Burst 1 length + 1 random PRI interval) at the 325,001 microsecond step. Bursts 2 through 8 randomly fall in successive 1,500,000 microsecond 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.



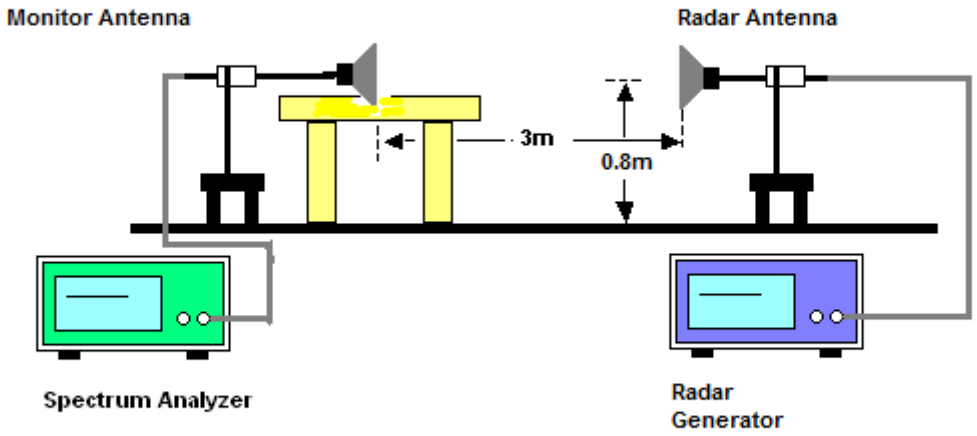
3 Calibration Setup and DFS Test Results

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

<80MHz / 5290MHz>

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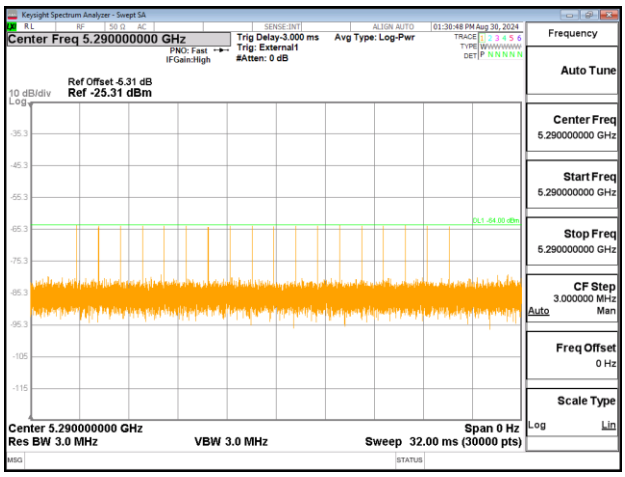	
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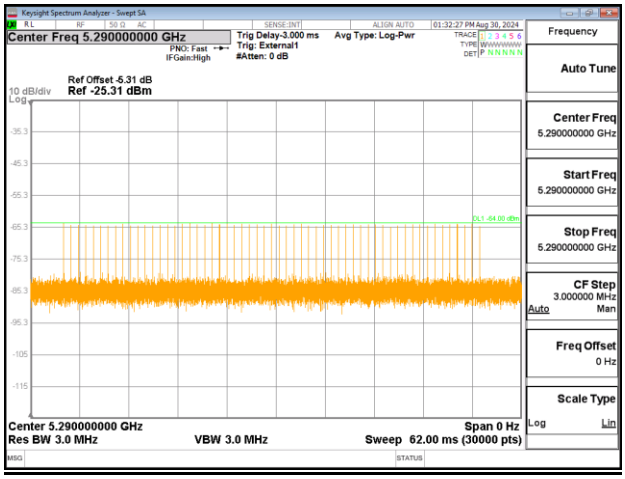	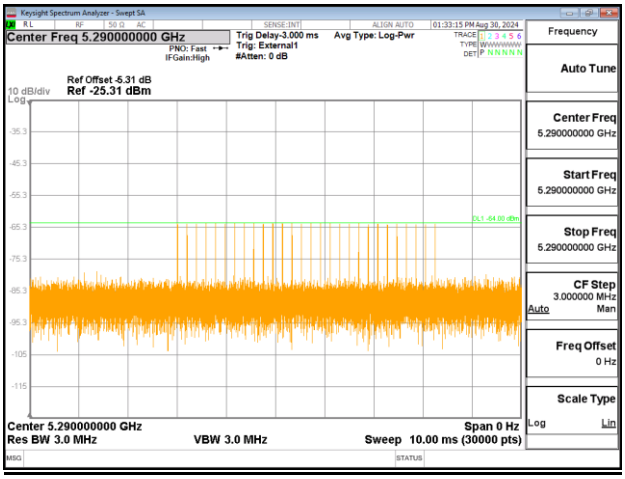

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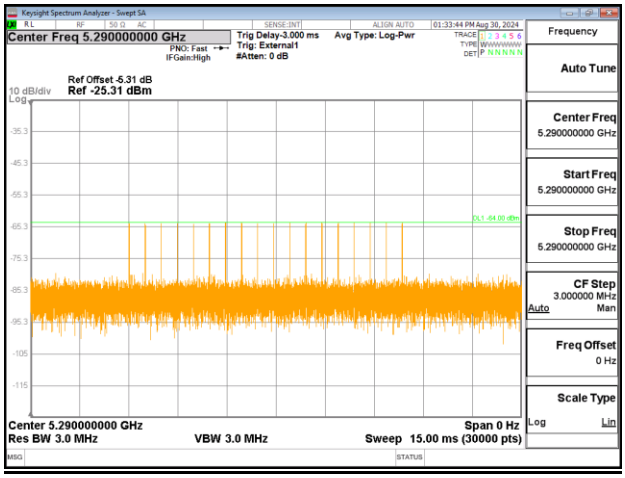	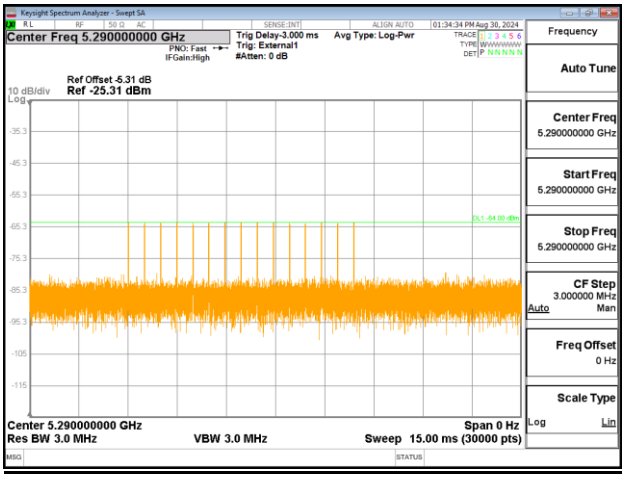
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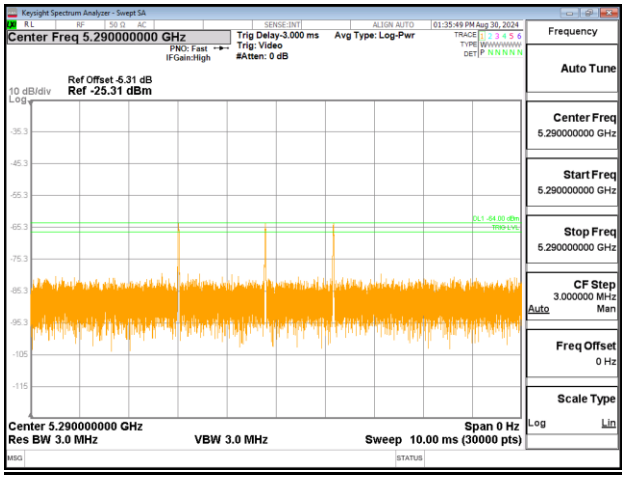	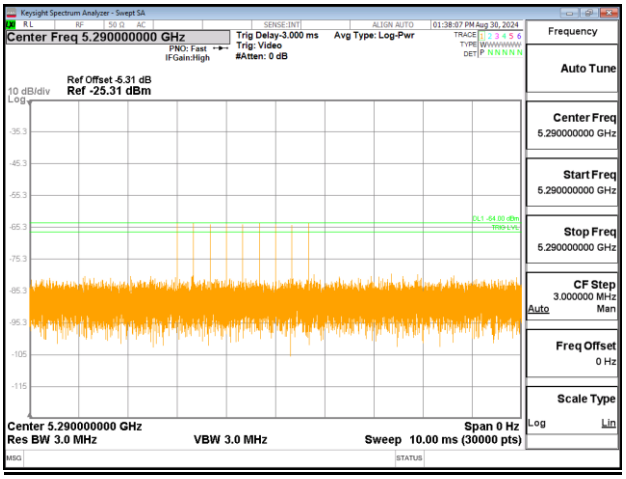

<20MHz / 5500MHz>

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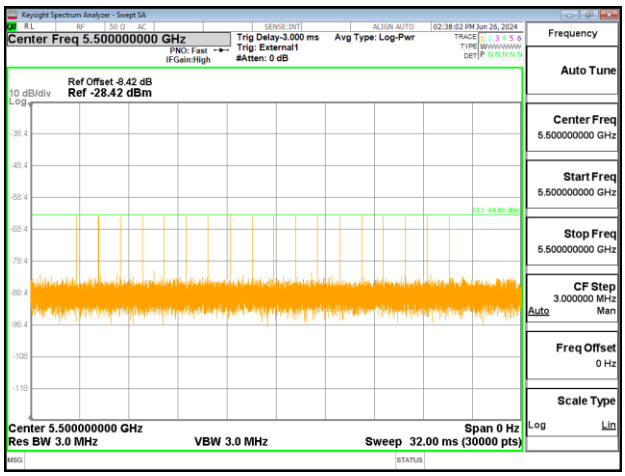	
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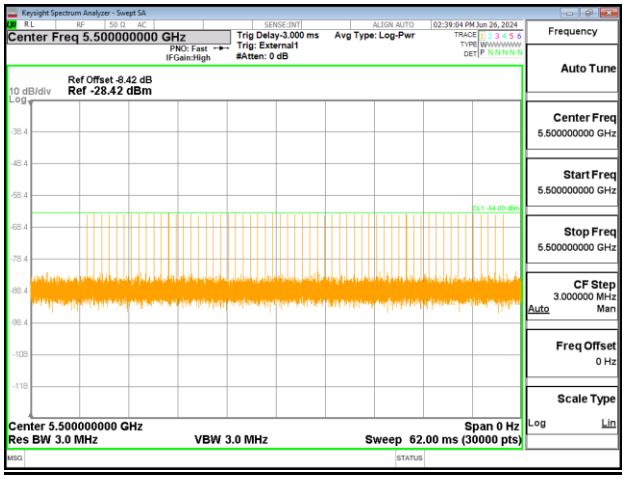	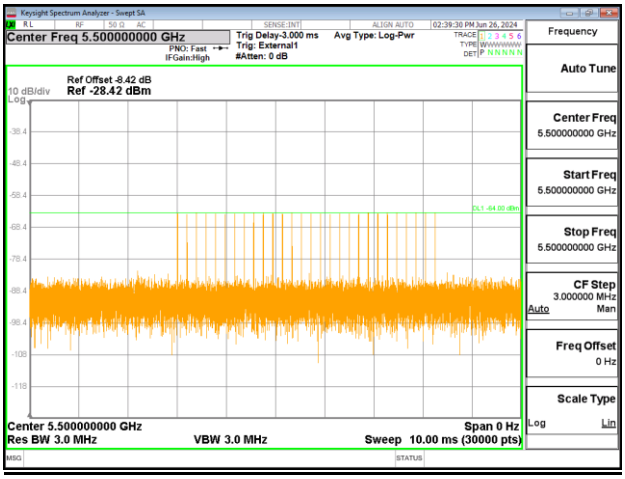

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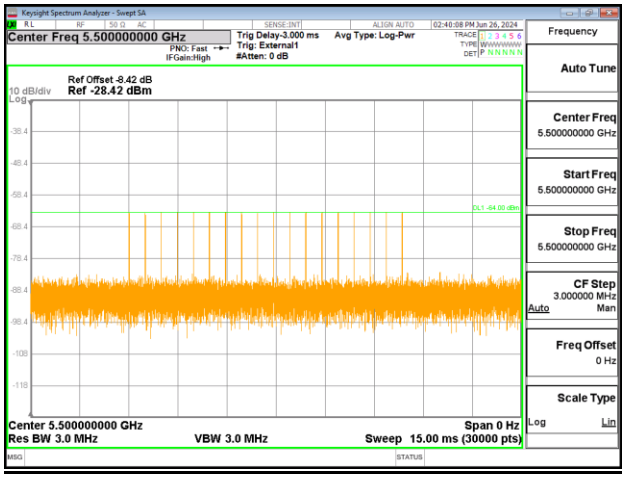
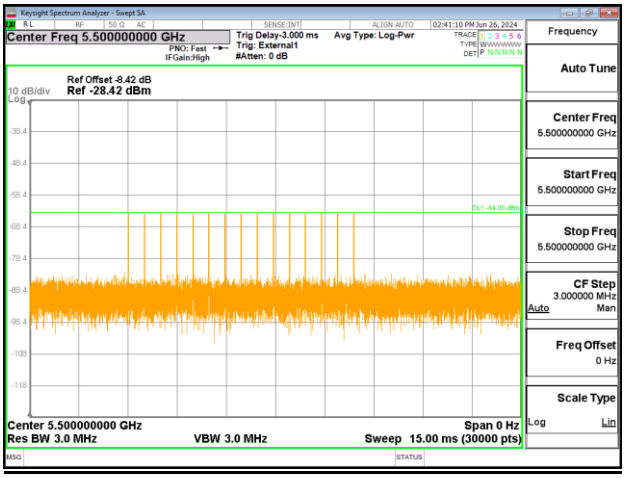
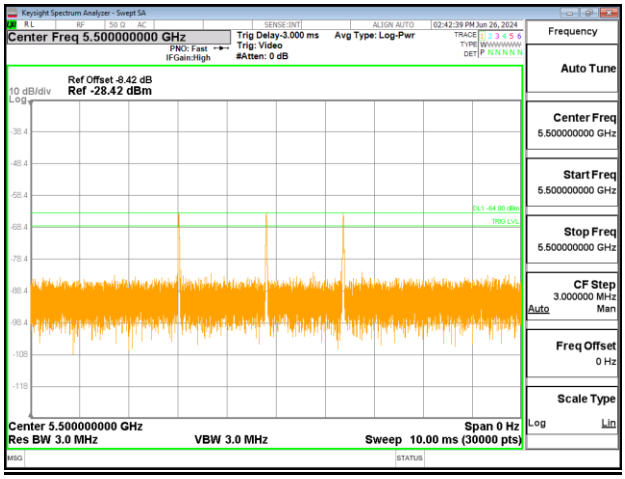
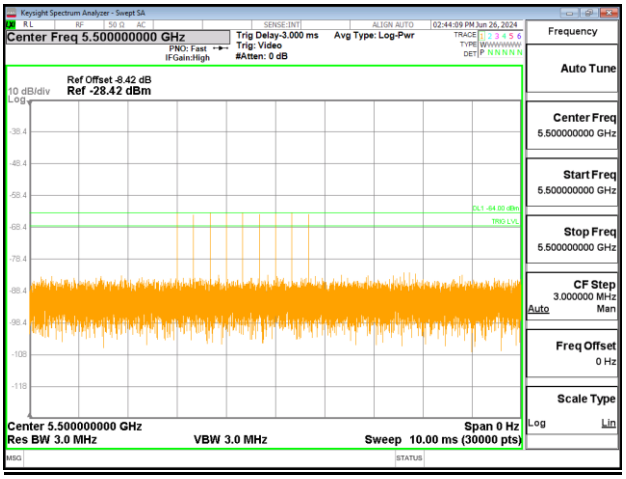
	
Single Burst of Radar Type 5	**Single Burst of Radar Type 6**
	

<40MHz / 5510MHz>

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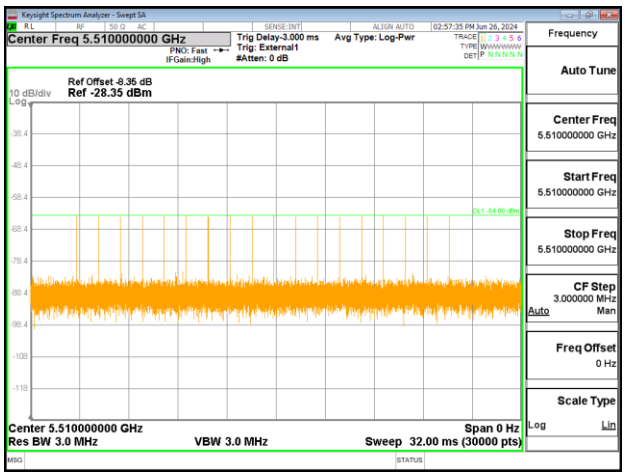	
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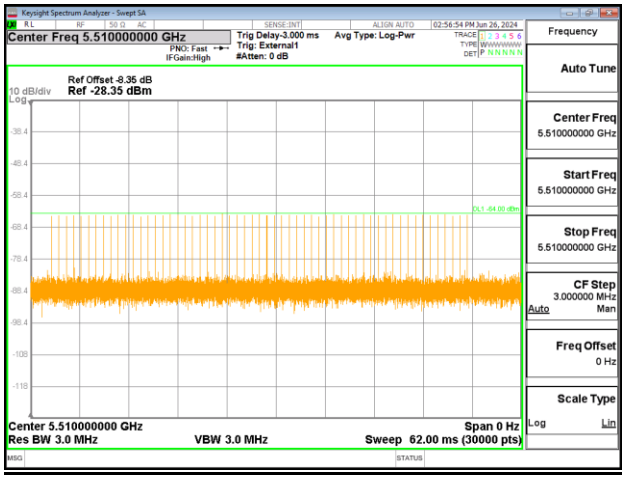	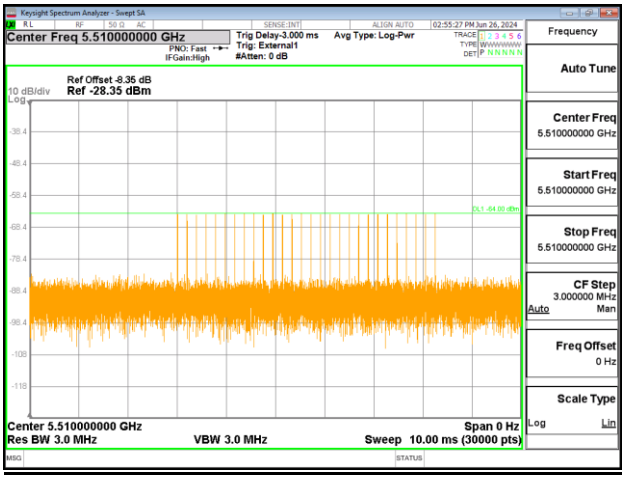

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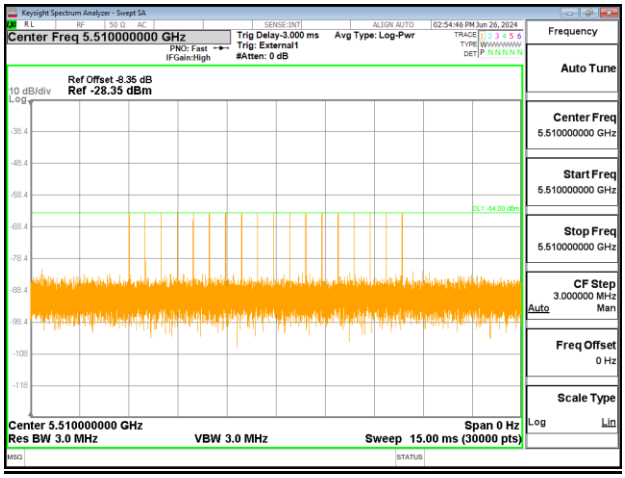
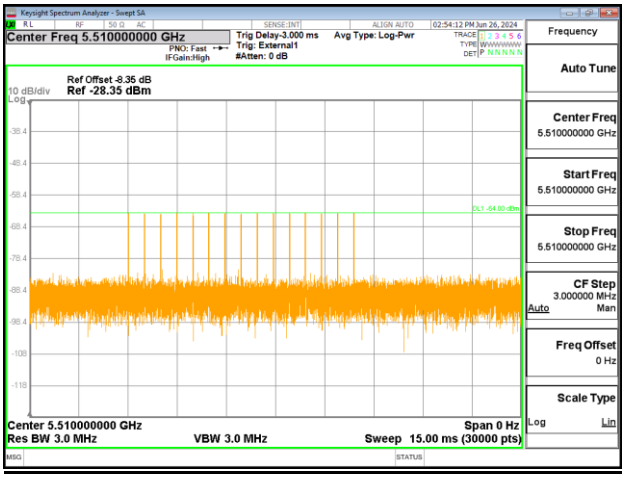
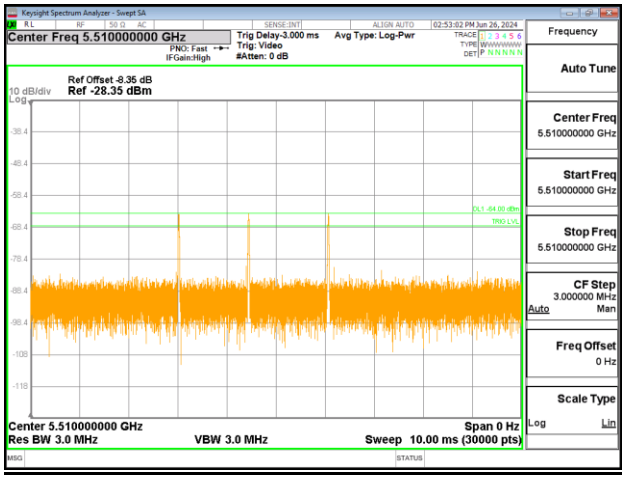
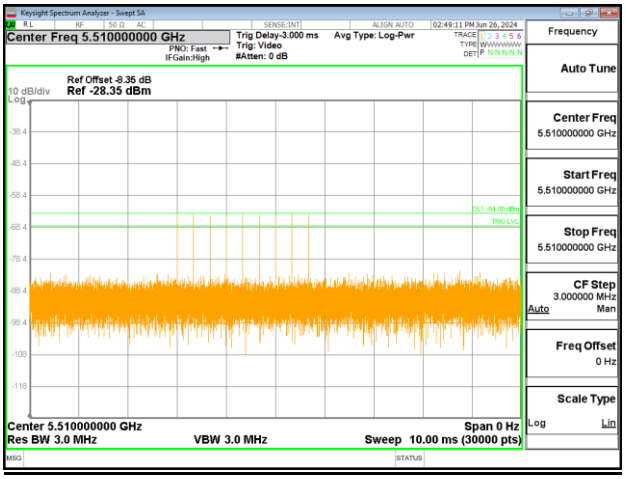
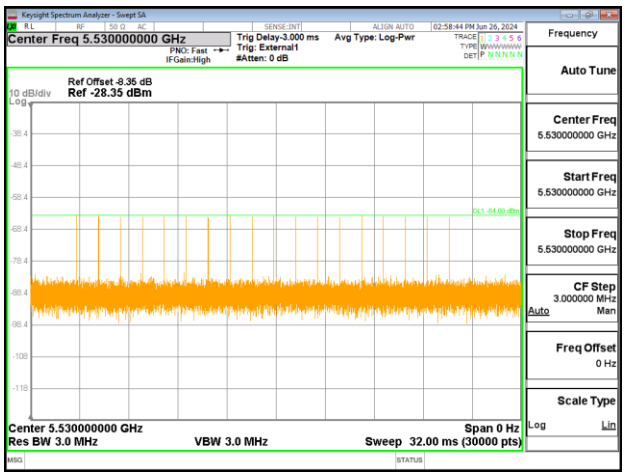
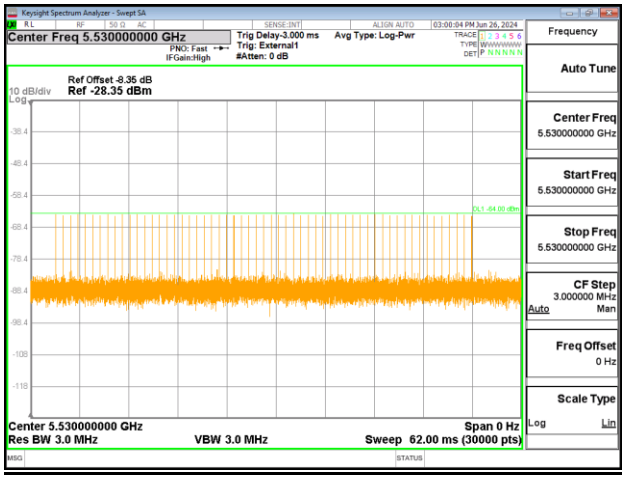
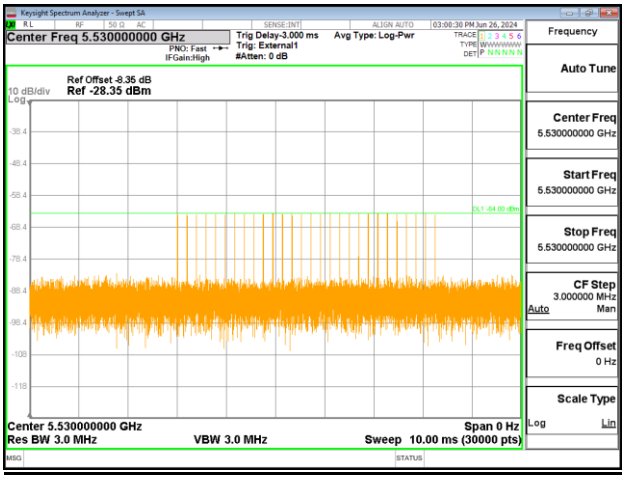
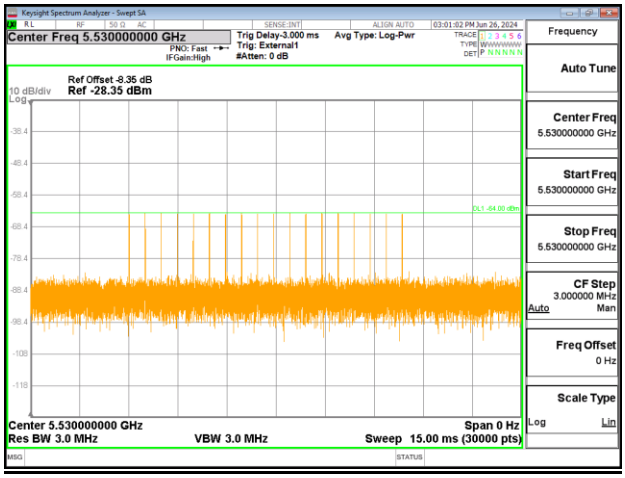
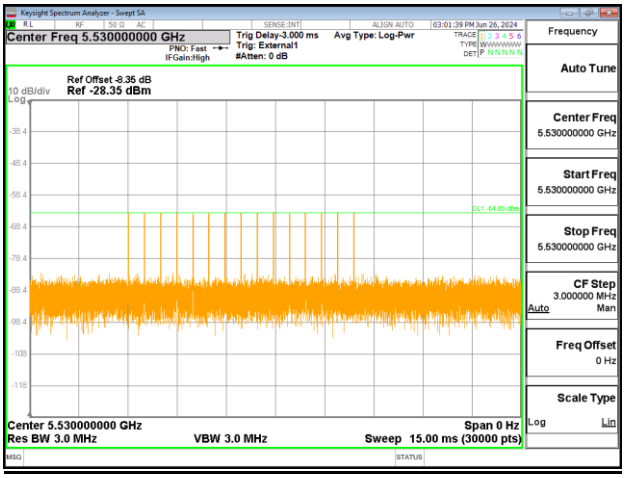
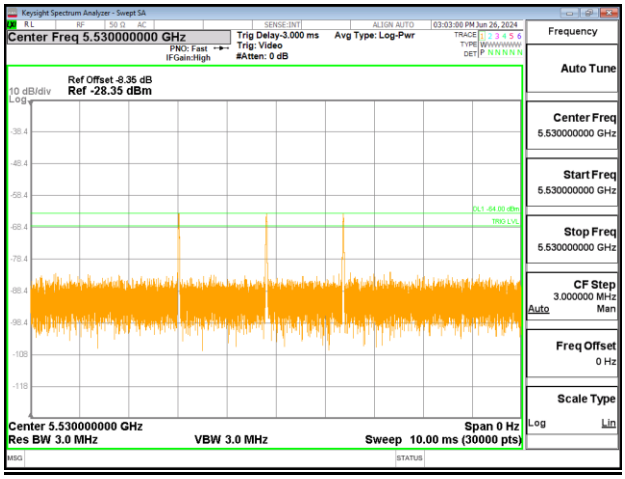
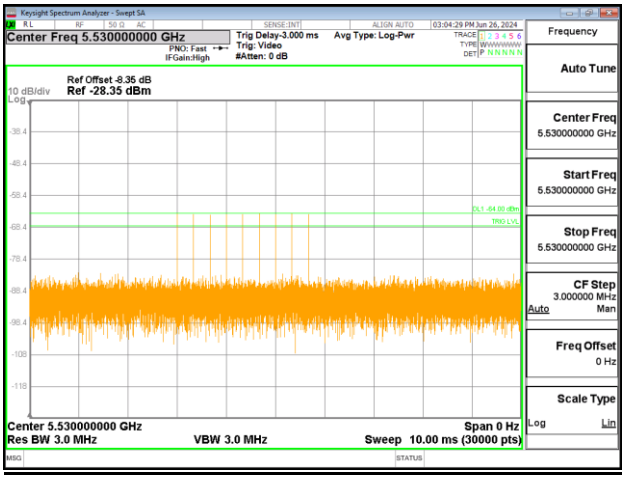
	
Single Burst of Radar Type 5	**Single Burst of Radar Type 6**
	

<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

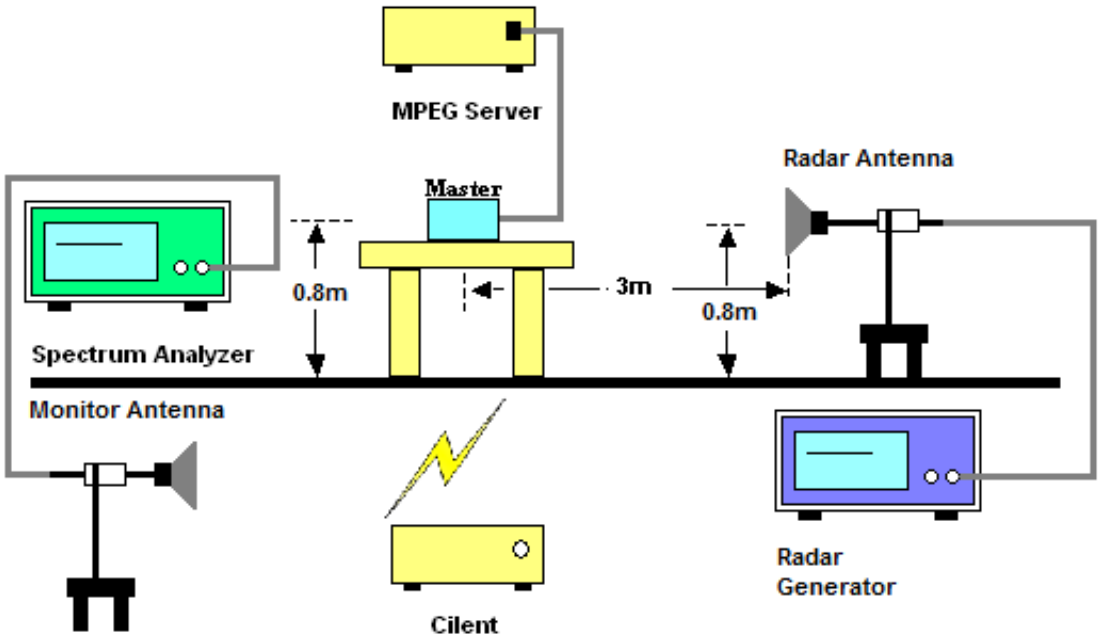
3.2.1 Limit of U-NII Detection Bandwidth

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 FH 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 FL 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

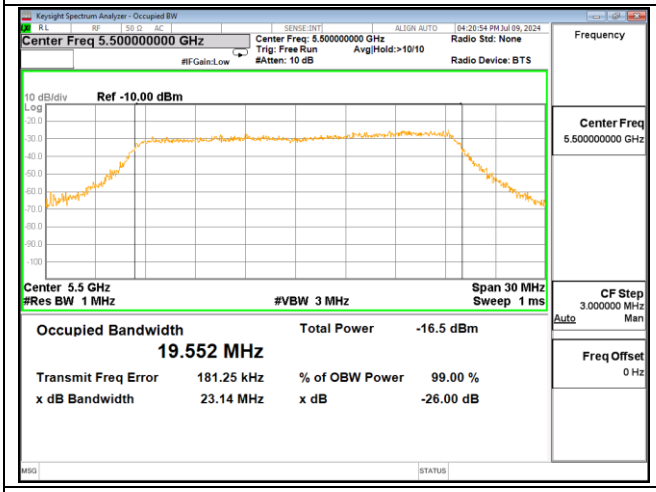


3.2.4 Test Deviation

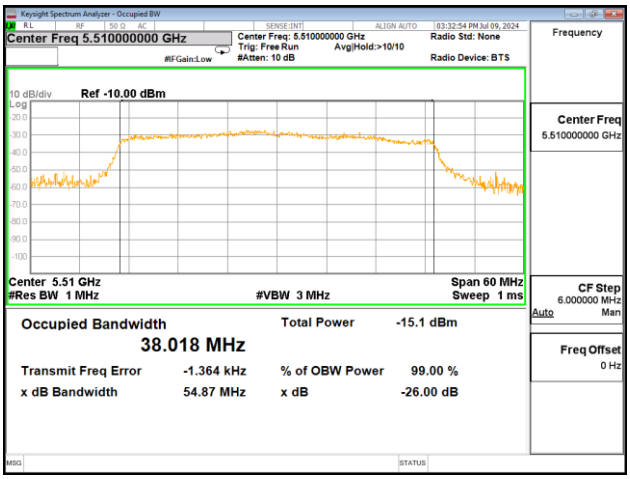
There is no deviation with the original standard.

3.2.5 Occupied Bandwidth

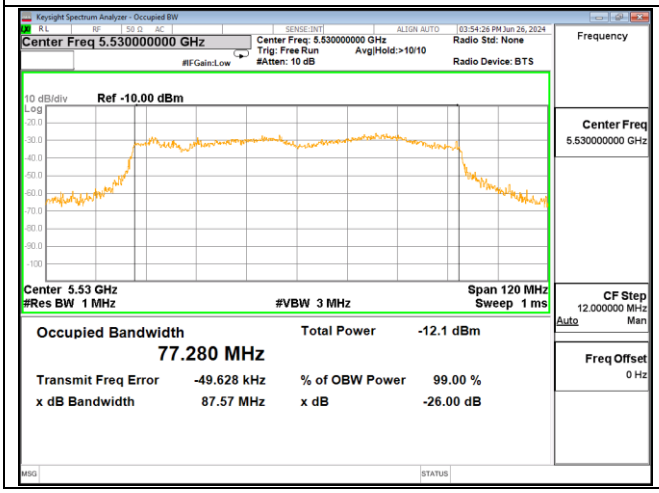
20MHz/5500MHz



40MHz/5510MHz



80MHz/5530MHz



Below Empty

3.2.6 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	N	Y	Y	Y	Y	90%	**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	N	Y	Y	Y	Y	Y	90%	
5494	-6	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	90%	
5495	-5	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	90%	
5500	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	90%	
5505	+5	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5506	+6	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5507	+7	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5508	+8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5509	+9	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5510	+10	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	**F_H**
5511	+11	N	N	N	N	N	N	N	N	N	N	0%	
Detection Bandwidth = $F_H - F_L$ = **5510** – **5490** = **20** MHz EUT 99% Bandwidth = 19.552 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	Y	Y	Y	Y	Y	Y	100%	
5495	-15	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5500	-10	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5505	-5	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5510	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5515	+5	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5520	+10	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5525	+15	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5526	+16	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5527	+17	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	90%	
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	N	Y	90%	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 = 38.018 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	Y	Y	Y	Y	100%	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	Y	Y	Y	Y	Y	100%	
5495	-35	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5500	-30	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5505	-25	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5510	-20	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5515	-15	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5520	-10	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5525	-5	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5530	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5535	+5	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5540	+10	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5545	+15	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5550	+20	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5555	+25	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5560	+30	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5565	+35	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5566	+36	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5567	+37	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5568	+38	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5569	+39	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	
5570	+40	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%	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 = 77.28 MHz (Refer to channel 106)													

3.3 Channel Availability Check

3.3.1 Limit of Channel Availability Check

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

3.3.2 Test Procedures of Initial Channel Availability Check Time

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

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

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

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

(1) The Radar Waveform generator and EUT are connected using the applicable test setup and the power of the EUT is switched off.
(2) The EUT is powered on at T0. T1 denotes the instant when the EUT has completed its power-up sequence (Tpower_up). The Channel Availability Check Time commences on Chr at instant T1 and will end no sooner than T1 + Tch_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 T1. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
(4) Visual indication or measured results on the EUT of successful detection of the radar Burst will be recorded and reported. Observation of Chr for EUT emissions will continue for 2.5 minutes after the radar Burst has been generated.
(5) Verify that during the 2.5 minute measurement window no EUT transmissions occurred on Chr. The Channel Availability Check results will be recorded.

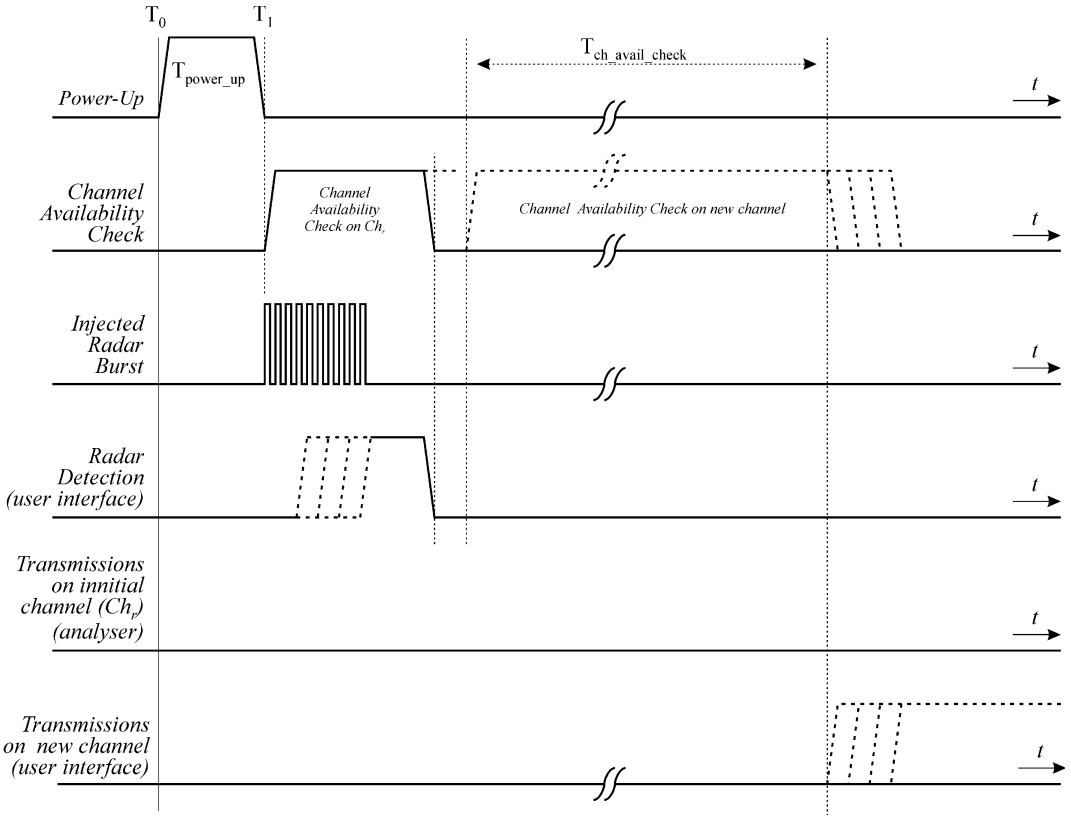


Figure 15: Example of timing for radar testing at the beginning of the Channel Availability Check Time

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

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

(1) The Radar Waveform generator and EUT are connected using the applicable test setup and the power of the EUT is switched off.
(2) The EUT is powered on at T0. T1 denotes the instant when the EUT has completed its power-up sequence (Tpower_up). The Channel Availability Check Time commences on Chr at instant T1 and will end no sooner than T1 + Tch_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 T1 + 54 seconds. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
(4) Visual indication or measured results on the EUT of successful detection of the radar Burst will be recorded and reported. Observation of Chr for EUT emissions will continue for 2.5 minutes after the radar Burst has been generated.
(5) Verify that during the 2.5 minute measurement window no EUT transmissions occurred on Chr. The Channel Availability Check results will be recorded.

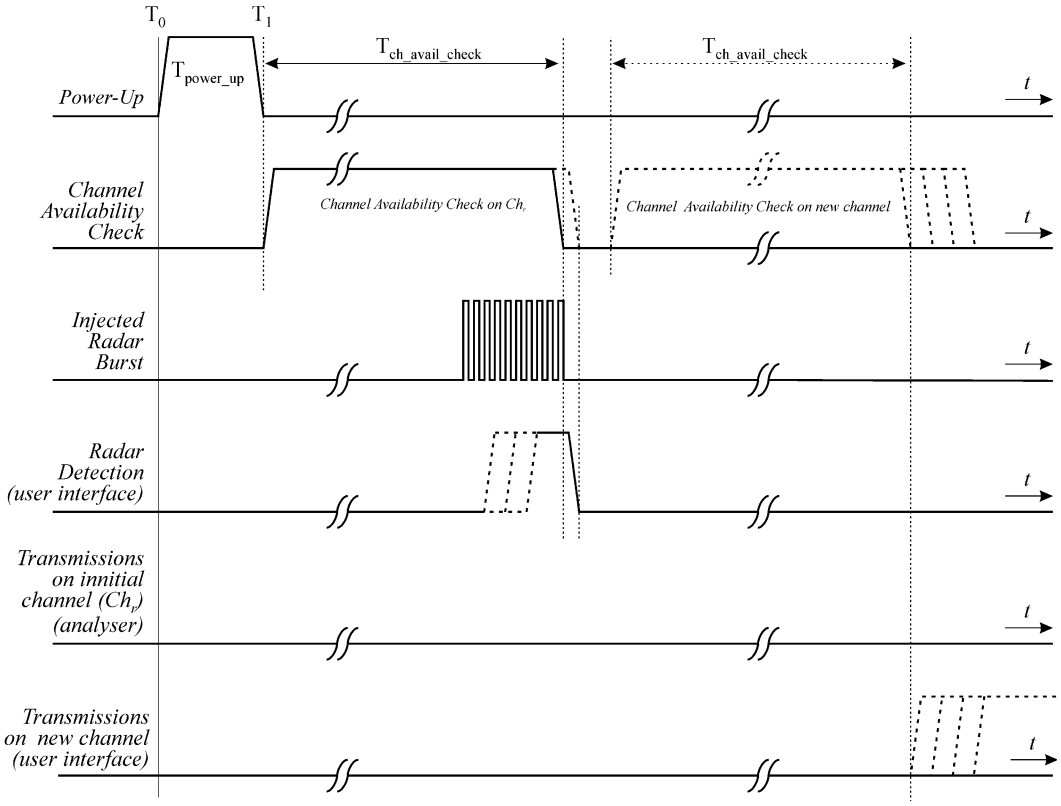
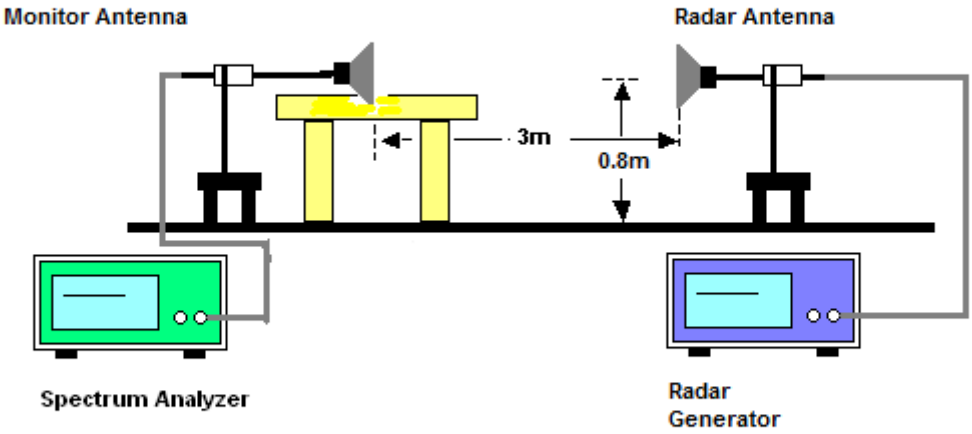


Figure 16: Example of timing for radar testing towards the end of the Channel Availability Check Time

3.3.5 Test Setup



3.3.6 Test Deviation

There is no deviation with the original standard.

3.3.7 Result of Channel Availability Check Time

<80MHz / 5530MHz>

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

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

Marker 2: End of Channel Availability Check

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

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

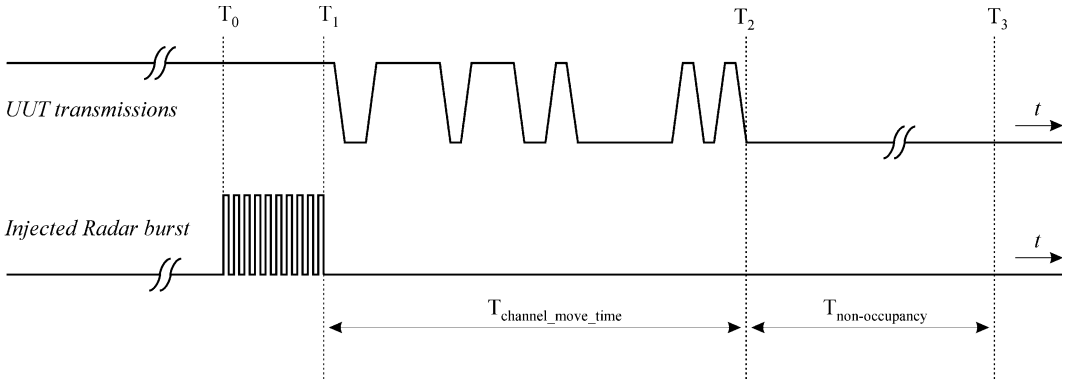
3.4.1 Limit of In-Service Monitoring

The EUT has In-Service Monitoring function to continuously monitor the radar signals, If radar is detected, it must leave the channel (Shutdown). The Channel Move Time to cease all transmissions on the current Channel upon detection of a Radar Waveform above the DFS Detection Threshold within 10 sec. The total duration of Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate Channel changes (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.
Non-Occupancy Period time is 30 minute during which a Channel will not be utilized after a Radar Waveform is detected on that Channel.

3.4.2 Test Procedures

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

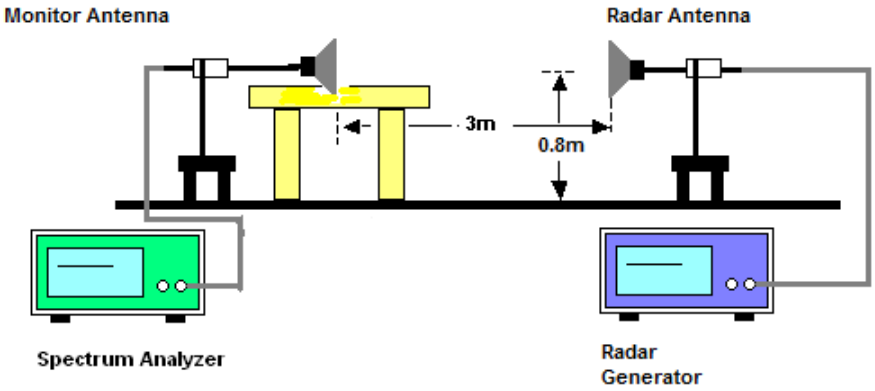
(7) When operating as a Master Device, monitor the EUT for more than 30 minutes following instant T2 to verify that the EUT does not resume any transmissions on this Channel. Perform this test once and record the measurement result.



(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 X 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

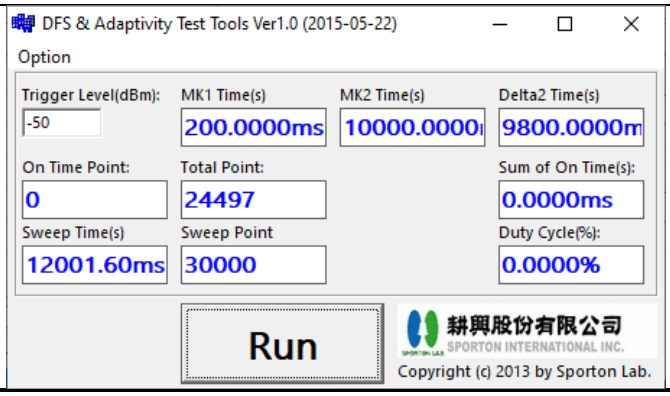
Test Mode :	Master	**Temperature :**	19.4~24.5℃
Test Engineer :	Liliana Gonzalez	**Relative Humidity :**	44.1~62.9%

BW / Channel	Test Item	Test Result	Limit	Pass/Fail
80MHz / 5530MHz	Channel Move Time	**0.003167 s**	**＜ 10s**	**Pass**
	Channel Closing Transmission Time	**200ms + 0 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.



Note:

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

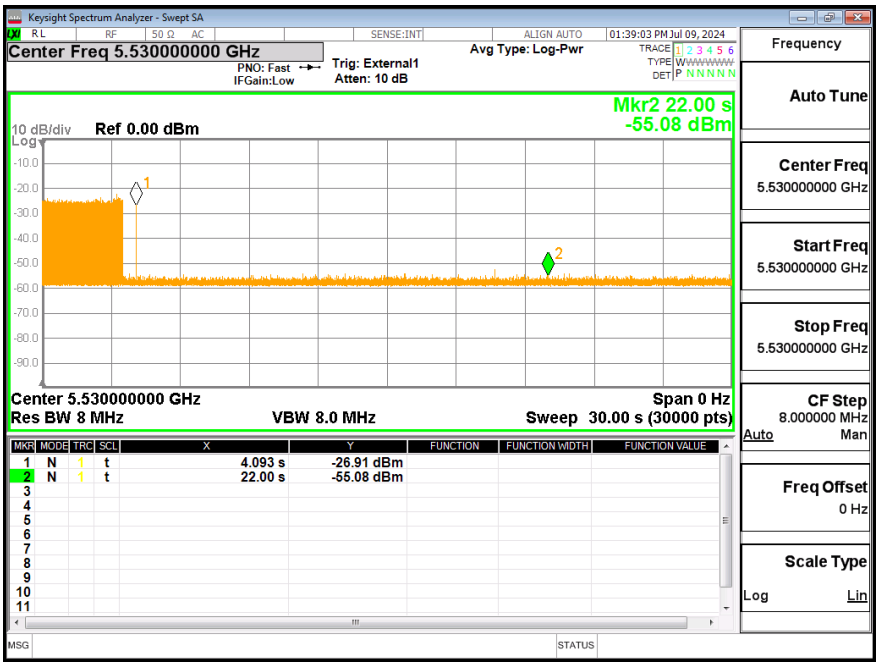
Channel Closing Transmission Time (200 + 0 ms) = 200 + Number (0) X Dwell (0.4 ms) < 260ms

Non-Occupancy Period

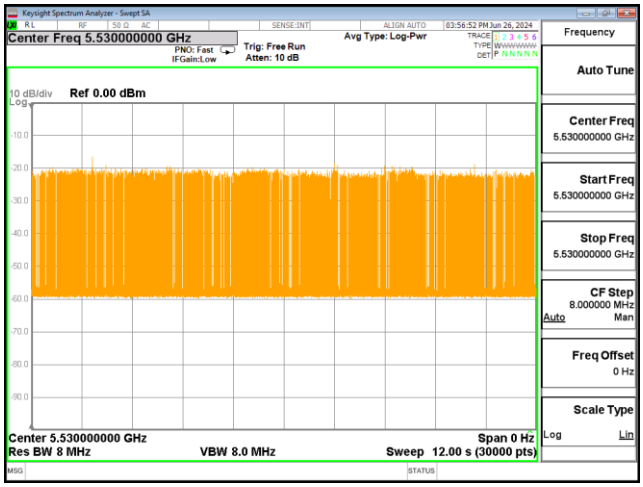
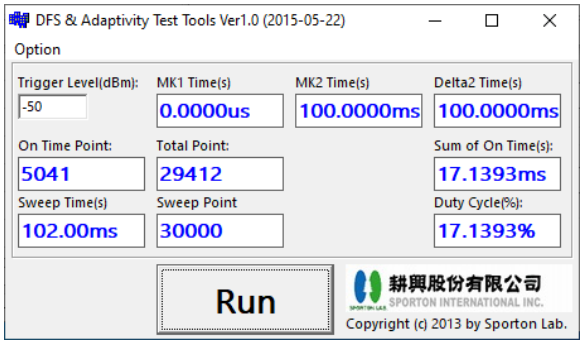
Marker 2: radar injected ; Delta 1: 30 minutes after radar injected

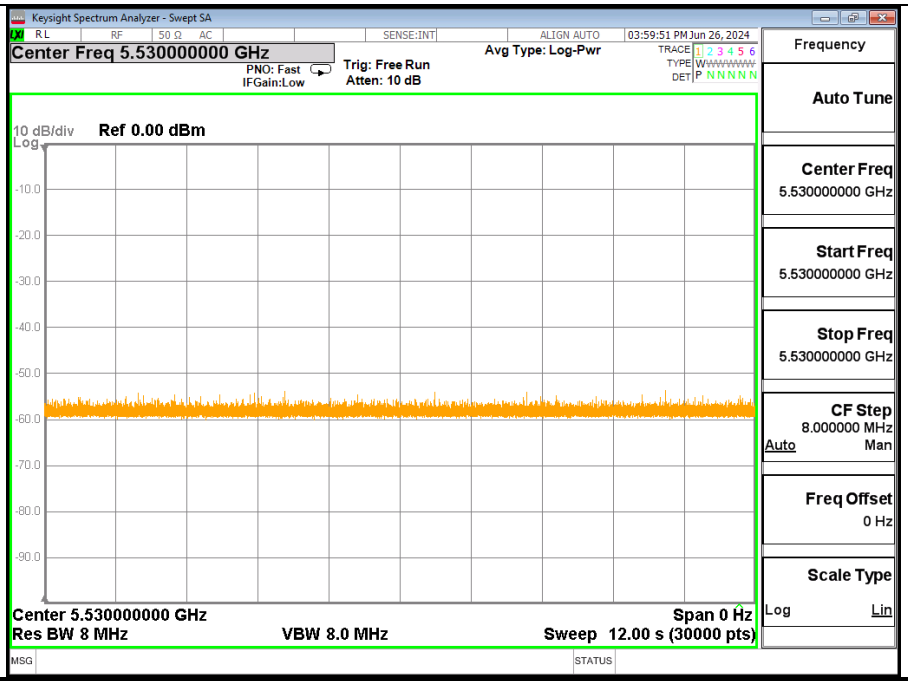
3.4.7 Long Pulsed Radar Type Channel Move Time Test Plots (22seconds)

<80MHz / 5530MHz > Radar Type 5
Channel Move Time
Marker 1: End of transmission time ; Marker 2: 22seconds after radar injected



3.4.8 Data Traffic Channel Loading and Noise Floor Plots

EUT data traffic (Master)	Channel Loading > 17% (Master)
	 

Noise Floor (No transmission)


3.5 Statistical Performance Check

3.5.1 Limit of Statistical Performance Check

Short Pulse Radar Test

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

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

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

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

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

Table 5 – Short Pulse Radar Test Waveforms

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

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

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

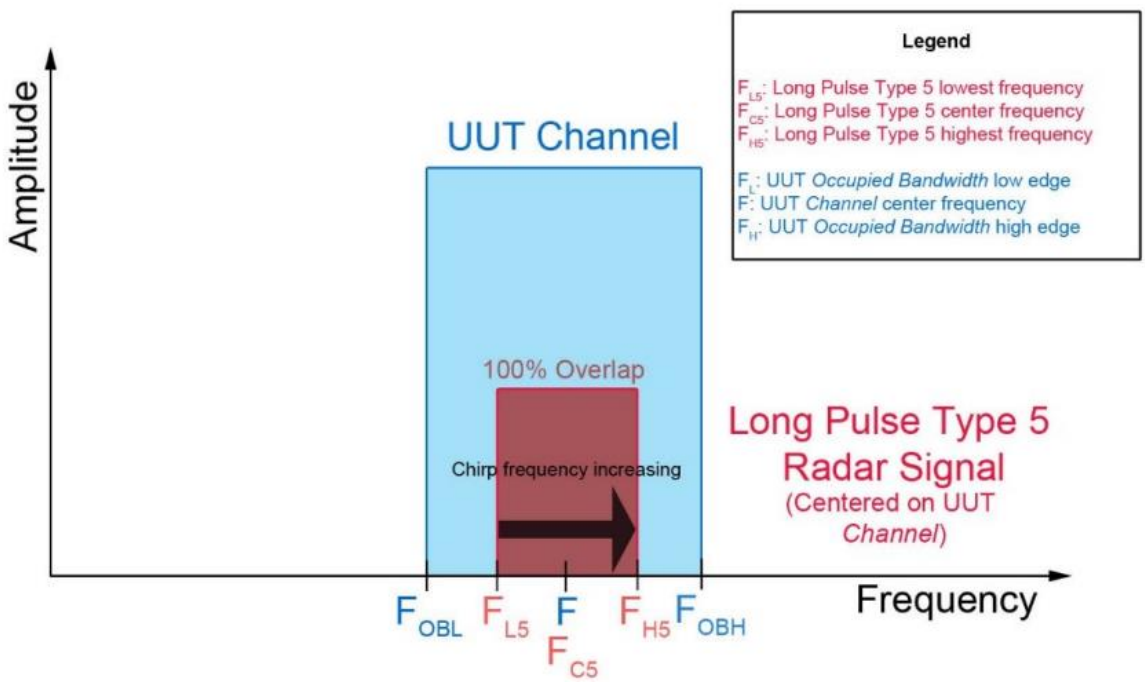
The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse Radar Type waveforms. If more than 30 waveforms are used for the Long Pulse Radar Type waveforms, then each additional waveform must also be unique and not repeated from the previous waveforms.

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

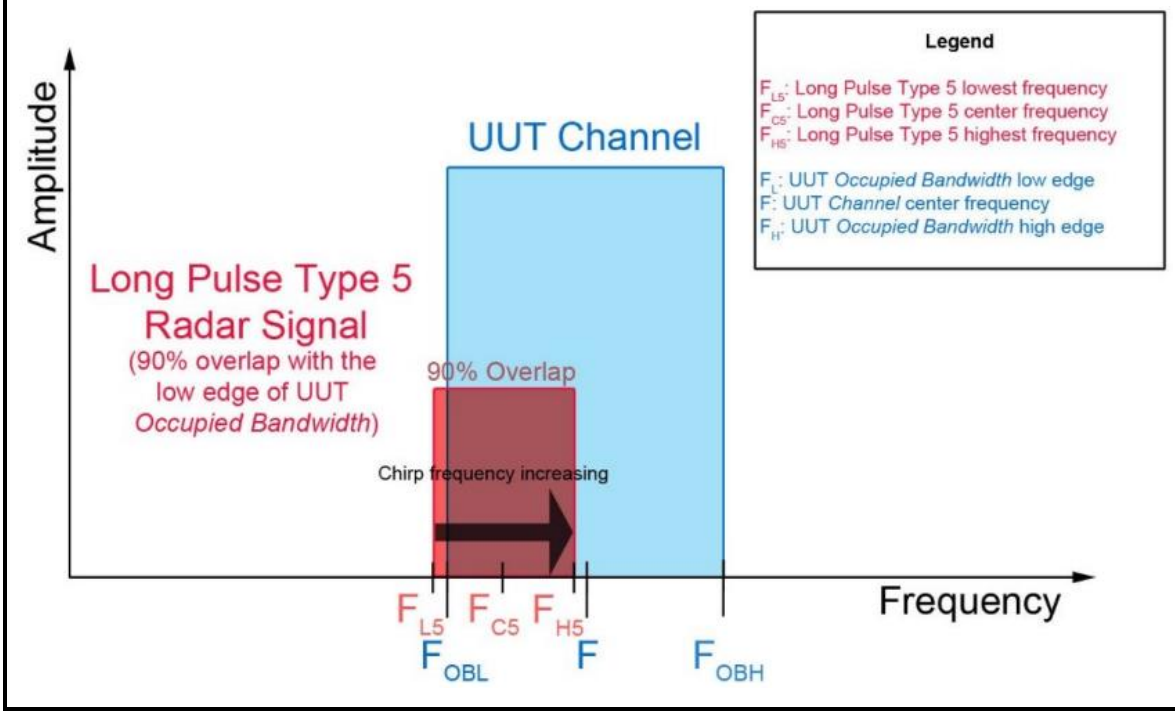
For subset case 1: the center frequency of the signal generator will remain fixed at the center of the UUT Channel.
For subset case 2: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 2. The center frequency of the signal generator for each trial is calculated by: FL + (0.4 $*$ $Chirp\ Width$ [$in\ MHz$])
For subset case 3: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 3. The center frequency of the signal generator for each trial is calculated by: FH − (0.4 $*$ $Chirp\ Width$ [$in\ MHz$])
Note: The FH and FL are Occupied Bandwidth low edge and high edge, where

FH = Fc + (OBW / 2) and FL = Fc – (OBW / 2)

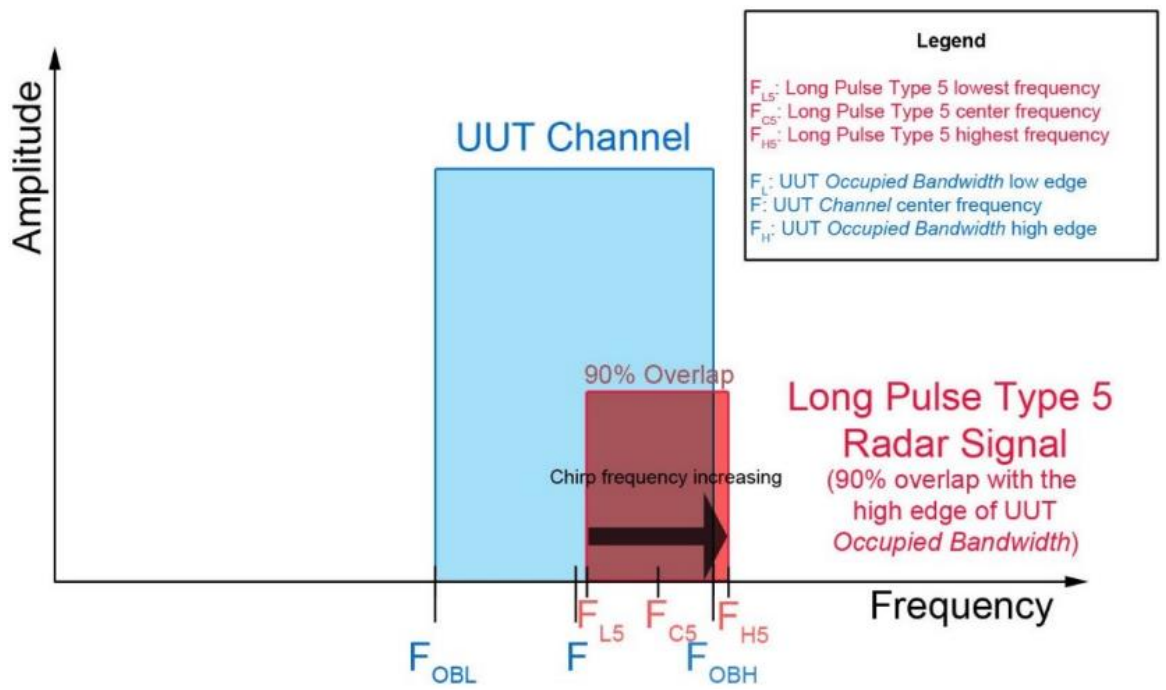
a) Channel center frequency (subset case 1)



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:

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

Frequency Hopping Radar Test

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

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

Table 7 – Frequency Hopping Radar Test Waveform

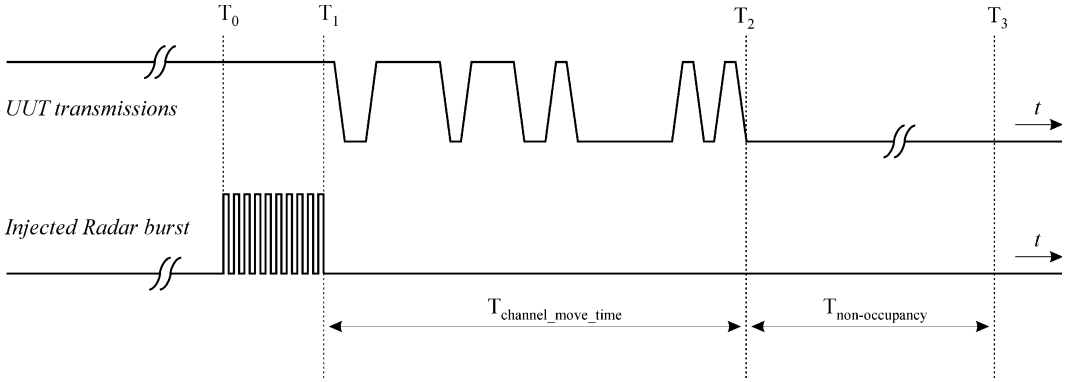
Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

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

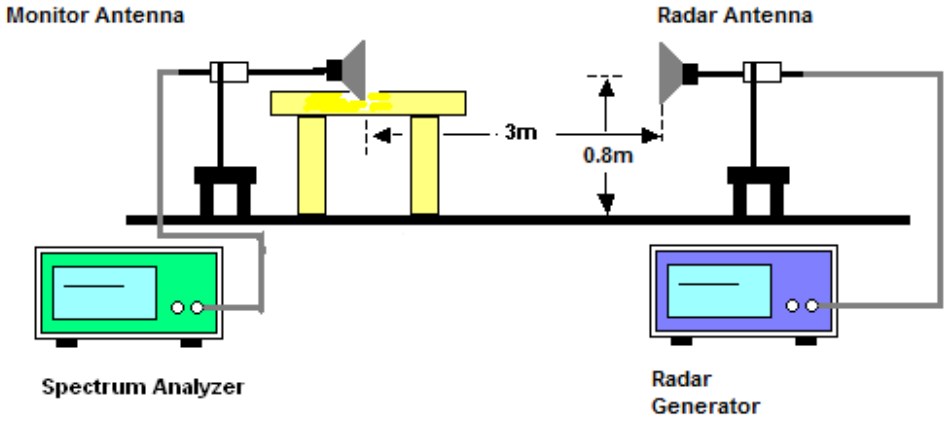
The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250 – 5724 MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group. This process continues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

3.5.2 Test Procedures

(1) One frequency will be chosen from the Operating Channels of the EUT within the 5250-5350 MHz or 5470-5725 MHz bands.
(2) In case the EUT is a Master Device, a U-NII device operating as a Client Device will be used and it is assumed that the Client will associate with the EUT (Master). If the Master Device has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing.
(3) The TCP protocol unicast data stream was generated by the iperf software command line with at least 17% activity ratio over any 100ms period.
(4) At time T0 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

<80MHz / 5290MHz>

(Detection = Y, No Detection = N)						
Trial Number	**Type 1**	**Type 2**	**Type 3**	**Type 4**	**Type 5**	**Type 6**
1	**Y**	**Y**	**Y**	**Y**	**Y**	**Y**
2	**Y**	**Y**	**Y**	**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**	**N**	**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**	**N**	**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**	**28/30**	**30/30**	**30/30**
Probability (%)	**100%**	**100%**	**100%**	**93.33%**	**100%**	**100%**
Limit (%)	>= 60%	>= 60%	>= 60%	>= 60%	>= 80%	>= 70%
Average Probability of Radar Type 1~4 (%)			**98.33%** (>=80%)			

<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**	**N**	**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**	**N**
8	**Y**	**Y**	**Y**	**Y**	**Y**	**Y**
9	**Y**	**Y**	**Y**	**Y**	**Y**	**Y**
10	**Y**	**Y**	**Y**	**Y**	**Y**	**Y**
11	**Y**	**Y**	**Y**	**Y**	**Y**	**Y**
12	**Y**	**Y**	**Y**	**N**	**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**	**28/30**	**30/30**	**29/30**
Probability (%)	**100%**	**100%**	**100%**	**93.33%**	**100%**	**96.67%**
Limit (%)	>= 60%	>= 60%	>= 60%	>= 60%	>= 80%	>= 70%
Average Probability of Radar Type 1~4 (%)			**98.33%** (>=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**	**N**	**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**	**N**	**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**	**N**	**Y**	**Y**
24	**Y**	**Y**	**Y**	**Y**	**Y**	**Y**
25	**Y**	**Y**	**N**	**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**	**28/30**	**28/30**	**30/30**	**30/30**
Probability (%)	**100%**	**100%**	**93.33%**	**93.33%**	**100%**	**100%**
Limit (%)	>= 60%	>= 60%	>= 60%	>= 60%	>= 80%	>= 70%
Average Probability of Radar Type 1~4 (%)			**96.67%** (>=80%)			

<80MHz / 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**	**N**	**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**	**N**	**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**	**29/30**	**30/30**	**29/30**	**30/30**	**30/30**
Probability (%)	**100%**	**96.67%**	**100%**	**96.67%**	**100%**	**100%**
Limit (%)	>= 60%	>= 60%	>= 60%	>= 60%	>= 80%	>= 70%
Average Probability of Radar Type 1~4 (%)			**98.33%** (>=80%)			

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
RF Vector Signal Generator	Keysight	N5182B	MY57300963	9KHz~6GHz	Mar. 26, 2024	Jun. 26, 2024~ Aug. 30, 2024	Mar. 25, 2025	DFS (DFS01-CA)
Frequency Extender	Keysight	N5182BX07	MY59360230	9kHz~7.2GHz	Mar. 26, 2024	Jun. 26, 2024~ Aug. 30, 2024	Mar. 25, 2025	DFS (DFS01-CA)
EXA Signal Analyzer	Keysight	N9010A	MY56070412	10Hz~7GHz	Nov. 30, 2023	Jun. 26, 2024~ Aug. 30, 2024	Nov. 29, 2024	DFS (DFS01-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120D	01895	1GHz ~18GHz	Sep. 25, 2023	Jun. 26, 2024~ Aug. 30, 2024	Sep. 24, 2024	DFS (DFS01-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120D	01894	1GHz ~18GHz	Aug. 30, 2023	Jun. 26, 2024~ Aug. 28, 2024	Aug. 29, 2024	DFS (DFS01-CA)
Horn Antenna	ETS-Lindgren	3117	00227739	1GHz ~18GHz	Apr. 26, 2024	Aug. 29, 2024~ Aug. 30, 2024	Apr. 25, 2025	DFS (DFS01-CA)
Hygrometer	ThermoPro	TP-55	SPT03	Temperature & Humidity	Mar. 10, 2024	Jun. 26, 2024~ Aug. 30, 2024	Mar. 09, 2025	DFS (DFS01-CA)

Channel 58 Bandwidth 80MHz

DFS Radar Parameters
FCC Radar Type 1
Channel 58 Bandwidth 80MHz

Trial #	Pulse Repetition Frequency Number (1 to 23)	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	22	1066.10	938	Yes
2	1	1930.50	518	Yes
3	6	1618.12	618	Yes
4	4	1730.10	578	Yes
5	8	1519.76	658	Yes
6	14	1285.35	778	Yes
7	9	1474.93	678	Yes
8	12	1355.01	738	Yes
9	7	1567.40	638	Yes
10	19	1138.95	878	Yes
11	11	1392.76	718	Yes
12	18	1165.50	858	Yes
13	5	1672.24	598	Yes
14	23	326.16	3066	Yes
15	21	1089.32	918	Yes
16		1166.86	857	Yes
17		1324.50	755	Yes
18		382.41	2615	Yes
19		803.21	1245	Yes
20		566.89	1764	Yes
21		762.78	1311	Yes
22		346.38	2887	Yes
23		388.35	2575	Yes
24		349.65	2860	Yes
25		547.65	1826	Yes
26		378.07	2645	Yes
27		366.84	2726	Yes
28		888.89	1125	Yes
29		1024.59	976	Yes
30		1218.03	821	Yes

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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	28	4.10	194	Yes
2	26	3.00	175	Yes
3	25	2.30	187	Yes
4	24	1.70	168	Yes
5	28	4.40	154	Yes
6	27	3.50	214	Yes
7	25	2.50	208	Yes
8	26	3.00	156	Yes
9	25	2.70	207	Yes
10	23	1.40	226	Yes
11	26	2.90	190	Yes
12	24	1.70	216	Yes
13	29	5.00	189	Yes
14	24	1.60	159	Yes
15	24	1.60	169	Yes
16	29	5.00	185	Yes
17	23	1.00	179	Yes
18	23	1.40	201	Yes
19	27	3.50	153	Yes
20	27	3.80	182	Yes
21	29	5.00	191	Yes
22	26	2.70	164	Yes
23	28	4.20	155	Yes
24	28	3.90	227	Yes
25	23	1.20	166	Yes
26	24	1.60	222	Yes
27	24	1.60	150	Yes
28	26	3.30	173	Yes
29	26	2.80	209	Yes
30	24	1.90	211	Yes

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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	18	9.10	491	Yes
2	17	8.00	444	Yes
3	17	7.30	394	Yes
4	16	6.70	353	Yes
5	18	9.40	303	Yes
6	17	8.50	216	Yes
7	17	7.50	357	Yes
8	17	8.00	302	Yes
9	17	7.70	285	Yes
10	16	6.40	450	Yes
11	17	7.90	464	Yes
12	16	6.70	454	Yes
13	18	10.00	429	Yes
14	16	6.60	363	Yes
15	16	6.60	298	Yes
16	18	10.00	416	Yes
17	16	6.00	493	Yes
18	16	6.40	469	Yes
19	17	8.50	455	Yes
20	18	8.80	465	Yes
21	18	10.00	390	Yes
22	17	7.70	262	Yes
23	18	9.20	409	Yes
24	18	8.90	480	Yes
25	16	6.20	308	Yes
26	16	6.60	467	Yes
27	16	6.60	389	Yes
28	17	8.30	354	Yes
29	17	7.80	459	Yes
30	16	6.90	236	Yes

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

Trial #	Number Pulses per Burst	Pulse Width (Microseconds)	Pulse Repetition Interval (Microseconds)	Detection (Yes / No)
1	15	17.90	491	Yes
2	14	15.50	444	Yes
3	13	14.00	394	Yes
4	12	12.50	353	Yes
5	16	18.60	303	Yes
6	15	16.60	216	Yes
7	13	14.50	357	Yes
8	14	15.50	302	Yes
9	14	14.80	285	Yes
10	12	12.00	450	Yes
11	14	15.40	464	Yes
12	12	12.70	454	No
13	16	19.80	429	Yes
14	12	12.30	363	Yes
15	12	12.40	298	Yes
16	16	19.90	416	Yes
17	12	11.00	493	Yes
18	12	12.00	469	Yes
19	15	16.60	455	Yes
20	15	17.40	465	Yes
21	16	20.00	390	Yes
22	14	14.90	262	No
23	15	18.10	409	Yes
24	15	17.50	480	Yes
25	12	11.40	308	Yes
26	12	12.40	467	Yes
27	12	12.30	389	Yes
28	14	16.10	354	Yes
29	14	15.10	459	Yes
30	13	13.10	236	Yes

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

Trial Number:			1			Detection (Yes/No)
Number of Bursts in Trial:			17			
Chirp Center Frequency:			5290			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	88.3	17	1388	1616	4923
2	2	74.9	17	1613	-	175254
3	2	66.7	17	1673	-	346028
4	1	58.6	17	-	-	517203
5	3	91.8	17	1732	1262	685553
6	2	81	17	1685	-	154291
7	2	69.5	17	1954	-	324571
8	2	74.8	17	1711	-	495124
9	2	71.2	17	1693	-	665453
10	1	55.6	17	-	-	133661
11	2	74.3	17	1384	-	303981
12	1	59.7	17	-	-	475375
13	3	98.9	17	1564	1083	643510
14	1	57.4	17	-	-	112628
15	1	58.2	17	-	-	283673
16	3	99.1	17	1625	1242	452523
17	1	50.3	17	-	-	625070
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Trial Number:			2			Detection (Yes/No)
Number of Bursts in Trial:			14			
Chirp Center Frequency:			5290			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	55.7	12	-	-	111242
2	2	81.2	12	1496	-	318170
3	3	85.3	12	1309	1026	524935
4	3	99.7	12	1143	1757	731581
5	2	71.4	12	1052	-	85658
6	3	89.5	12	1538	1976	291873
7	3	86.2	12	1274	1054	499431
8	1	52.5	12	-	-	707932
9	1	57.9	12	-	-	60154
10	1	57.3	12	-	-	267524
11	2	78.1	12	1841	-	474326
12	2	72.8	12	1156	-	681890
13	1	61.8	12	-	-	34599
14	1	64.6	12	-	-	242108
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DFS Radar Parameters
FCC Radar Type 5
Channel 58 Bandwidth 80MHz

Trial Number:			3			Detection
Number of Bursts in Trial:			12			(Yes/No)
Chirp Center Frequency:			5290			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	67.3	10	1888	-	523783
2	1	51.3	10	-	-	766940
3	3	84.2	10	1743	1666	10505
4	1	61.4	10	-	-	252825
5	3	94.7	10	1472	1787	493022
6	2	78.9	10	1713	-	735458
7	3	100	10	1924	1320	975983
8	2	77.3	10	1513	-	222581
9	2	70.1	10	1279	-	464592
10	1	54.1	10	-	-	707314
11	2	81.7	10	1766	-	947740
12	1	64.1	10	-	-	193028
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Trial Number:			4			Detection
Number of Bursts in Trial:			10			(Yes/No)
Chirp Center Frequency:			5290			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	55.7	7	-	-	522304
2	3	97.9	7	1860	1573	810437
3	1	53.7	7	-	-	1103410
4	1	65.8	7	-	-	195937
5	1	63.2	7	-	-	486685
6	1	65.1	7	-	-	777277
7	3	98	7	1962	1025	1065193
8	1	56.9	7	-	-	160161
9	3	92.9	7	1374	1484	449653
10	2	78.5	7	1745	-	740582
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DFS Radar Parameters
FCC Radar Type 5
Channel 58 Bandwidth 80MHz

Trial Number:			5			Detection (Yes/No)
Number of Bursts in Trial:			18			
Chirp Center Frequency:			5290			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	51	18	-	-	572411
2	2	76.9	18	1489	-	68864
3	2	66.8	18	1985	-	229539
4	3	85.4	18	1521	1051	390087
5	2	80.6	18	1135	-	551898
6	1	56.1	18	-	-	49126
7	3	83.9	18	1161	1048	209769
8	2	73.6	18	1059	-	371007
9	3	91.4	18	1126	1106	531322
10	1	52	18	-	-	29246
11	1	59.4	18	-	-	190693
12	3	91	18	1778	1802	350264
13	1	56.9	18	-	-	512893
14	1	58.4	18	-	-	9370
15	1	64.7	18	-	-	170821
16	3	96.1	18	1536	1373	330681
17	1	63.6	18	-	-	493541
18	2	70.2	18	1121	-	653788
19						
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Trial Number:			6			Detection (Yes/No)
Number of Bursts in Trial:			16			
Chirp Center Frequency:			5290			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	50.3	14	-	-	169814
2	2	78.4	14	1315	-	350681
3	1	61	14	-	-	532905
4	2	81.1	14	1541	-	713160
5	2	68	14	1253	-	147045
6	1	57.3	14	-	-	328853
7	3	83.8	14	1939	1113	508420
8	3	88.3	14	1116	1118	690115
9	3	98.9	14	1676	1640	124496
10	3	92.2	14	1667	1762	305302
11	3	94.2	14	1093	1869	485911
12	1	62.9	14	-	-	669271
13	2	74.8	14	1180	-	102432
14	1	54.9	14	-	-	284102
15	2	71.8	14	1464	-	464553
16	3	88.8	14	1044	1155	645095
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DFS Radar Parameters
FCC Radar Type 5
Channel 58 Bandwidth 80MHz

Trial Number:			7			Detection (Yes/No)
Number of Bursts in Trial:			13			
Chirp Center Frequency:			5290			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	50.2	11	-	-	98819
2	1	57.2	11	-	-	322368
3	3	94.7	11	1319	1560	544360
4	1	59.2	11	-	-	769508
5	3	98.3	11	1519	1510	71104
6	3	93.9	11	1447	1589	293913
7	3	93.5	11	1752	1504	516634
8	3	96.6	11	1222	1005	739859
9	1	62.7	11	-	-	43782
10	2	79.7	11	1944	-	266731
11	1	54.7	11	-	-	490853
12	1	64.7	11	-	-	714178
13	3	90.9	11	1471	1808	16196
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Trial Number:			8			Detection (Yes/No)
Number of Bursts in Trial:			14			
Chirp Center Frequency:			5290			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	95.4	12	1327	1064	222030
2	1	51	12	-	-	430282
3	2	67.1	12	1878	-	635894
4	1	51.5	12	-	-	844916
5	2	77.8	12	1535	-	196758
6	1	56.5	12	-	-	404555
7	1	64.4	12	-	-	612008
8	2	67.4	12	1988	-	817422
9	2	69.9	12	1145	-	171170
10	1	58.9	12	-	-	379093
11	1	59.5	12	-	-	586816
12	1	51.6	12	-	-	794370
13	3	92.3	12	1223	1394	145519
14	1	57.3	12	-	-	353383
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DFS Radar Parameters
FCC Radar Type 5
Channel 58 Bandwidth 80MHz

Trial Number:			9			Detection (Yes/No)
Number of Bursts in Trial:			13			
Chirp Center Frequency:			5290			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	91.7	11	1355	1953	602078
2	2	79.5	11	1247	-	826988
3	2	78.4	11	1291	-	129433
4	2	77.2	11	1689	-	352611
5	1	54.5	11	-	-	576668
6	2	69.2	11	1957	-	798203
7	2	68.1	11	1141	-	101927
8	1	58.1	11	-	-	325483
9	1	57.5	11	-	-	548937
10	1	51.4	11	-	-	772571
11	1	54.3	11	-	-	74544
12	2	71.9	11	1252	-	297830
13	1	56.5	11	-	-	521783
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Trial Number:			10			Detection (Yes/No)
Number of Bursts in Trial:			9			
Chirp Center Frequency:			5290			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	84.9	6	1619	1906	1073588
2	1	64.5	6	-	-	67967
3	2	68.3	6	1375	-	390495
4	3	88.4	6	1007	1542	712425
5	1	52.5	6	-	-	1036972
6	2	69	6	1148	-	28179
7	3	97.5	6	1692	1907	350212
8	1	53.4	6	-	-	674332
9	3	91.1	6	1522	1183	995516
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DFS Radar Parameters
FCC Radar Type 5
Channel 58 Bandwidth 80MHz

Trial Number:			11			Detection (Yes/No)
Number of Bursts in Trial:			14			
Chirp Center Frequency:			5256			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	77	12	1149	-	846766
2	1	61.4	12	-	-	200002
3	3	97.1	12	1250	1467	406377
4	3	98.4	12	1567	1314	613354
5	1	57.3	12	-	-	822567
6	2	71.3	12	1387	-	174311
7	2	80.4	12	1462	-	381340
8	3	98.3	12	1431	1177	587558
9	3	85.2	12	1117	1500	794221
10	1	57.5	12	-	-	148990
11	1	56	12	-	-	356380
12	3	86.6	12	1703	1192	561826
13	1	51.7	12	-	-	771162
14	2	67	12	1717	-	123086
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Trial Number:			12			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5255			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	84.4	8	1209	1179	462689
2	1	52.4	8	-	-	754297
3	1	50.2	8	-	-	1044809
4	3	95.6	8	1452	1074	136685
5	2	72.7	8	1377	-	427167
6	3	87.3	8	1190	1746	716342
7	3	93.6	8	1261	1196	1007182
8	1	65.7	8	-	-	101181
9	3	97.2	8	1835	1549	390645
10	1	55.9	8	-	-	682790
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DFS Radar Parameters
FCC Radar Type 5
Channel 58 Bandwidth 80MHz

Trial Number:			13			Detection (Yes/No)
Number of Bursts in Trial:			20			
Chirp Center Frequency:			5259			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	100	20	1877	1956	483164
2	2	79.5	20	1627	-	32590
3	1	52.9	20	-	-	177918
4	1	51.6	20	-	-	323044
5	2	70.6	20	1876	-	466834
6	1	56.9	20	-	-	14787
7	2	82.7	20	1916	-	159301
8	3	94.9	20	1894	1136	303785
9	1	53.8	20	-	-	450539
10	1	50.6	20	-	-	595204
11	1	52.4	20	-	-	142179
12	2	67	20	1189	-	286551
13	2	80.2	20	1090	-	431461
14	1	56.1	20	-	-	577519
15	1	61.9	20	-	-	124155
16	3	96.9	20	1423	1657	268167
17	2	77.8	20	1430	-	413363
18	1	59.2	20	-	-	559348
19	1	66.2	20	-	-	106247
20	3	96.9	20	1816	1635	249892

Trial Number:			14			Detection (Yes/No)
Number of Bursts in Trial:			9			
Chirp Center Frequency:			5254			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	65.8	7	-	-	882891
2	2	69.9	7	1801	-	1204214
3	2	83.2	7	1406	-	196569
4	3	97.5	7	1178	1439	518946
5	3	84	7	1285	1191	841026
6	3	85.9	7	1147	1000	1164033
7	1	52.3	7	-	-	157006
8	2	73.5	7	1554	-	479394
9	2	74.7	7	1233	-	802471
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DFS Radar Parameters
FCC Radar Type 5
Channel 58 Bandwidth 80MHz

Trial Number:			15			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5254			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	1	66.1	7	-	-	1013243
2	3	97.6	7	1393	1688	105219
3	1	61.2	7	-	-	396203
4	1	64.2	7	-	-	686856
5	3	91.2	7	1623	1881	974648
6	3	98.4	7	1063	1782	69513
7	2	77.8	7	1517	-	359954
8	2	68.4	7	1518	-	650152
9	2	78.7	7	1062	-	940481
10	2	77.7	7	1756	-	33804
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Trial Number:			16			Detection (Yes/No)
Number of Bursts in Trial:			20			
Chirp Center Frequency:			5259			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	2	78.2	20	1168	-	161829
2	2	74.9	20	1588	-	306406
3	1	61.2	20	-	-	452676
4	2	82.7	20	1709	-	595993
5	1	51.1	20	-	-	144214
6	1	64.5	20	-	-	289221
7	2	67.3	20	1027	-	433797
8	2	72.3	20	1851	-	577483
9	3	94.1	20	1774	1634	125506
10	3	83.6	20	1379	1920	269826
11	2	75.9	20	1565	-	415463
12	1	59.5	20	-	-	561971
13	3	84.3	20	1278	1459	107991
14	3	99.6	20	1211	1385	252566
15	1	50.3	20	-	-	398475
16	3	90.1	20	1553	1037	541810
17	2	80.1	20	1331	-	90397
18	3	96.4	20	1707	1994	234250
19	1	55.4	20	-	-	381066
20	2	67.6	20	1662	-	524669

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

Trial Number:			17			Detection (Yes/No)
Number of Bursts in Trial:			8			
Chirp Center Frequency:			5253			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	84.7	5	1488	1245	181648
2	1	54.6	5	-	-	545381
3	1	59.1	5	-	-	908641
4	2	70.1	5	1682	-	1270482
5	3	87.7	5	1981	1544	136857
6	1	53.1	5	-	-	500755
7	3	91.3	5	1392	1328	862646
8	1	52.7	5	-	-	1227117
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Trial Number:			18			Detection (Yes/No)
Number of Bursts in Trial:			9			
Chirp Center Frequency:			5254			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	89	6	1728	1842	81868
2	1	57.7	6	-	-	405189
3	3	84.2	6	1650	1176	726745
4	2	78.4	6	1138	-	1050643
5	3	99.1	6	1873	1058	42229
6	2	81.5	6	1107	-	365108
7	3	88	6	1081	1534	686928
8	2	72	6	1013	-	1010418
9	1	54.6	6	-	-	2537
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DFS Radar Parameters
FCC Radar Type 5
Channel 58 Bandwidth 80MHz

Trial Number:			19			Detection (Yes/No)
Number of Bursts in Trial:			16			
Chirp Center Frequency:			5257			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (μsec)
1	3	87.3	14	1941	1008	182272
2	2	82	14	1584	-	363653
3	2	82.9	14	1469	-	544596
4	1	66.6	14	-	-	727420
5	1	63.5	14	-	-	160517
6	1	58.2	14	-	-	341972
7	3	89.9	14	1045	1930	521583
8	3	98.9	14	1228	1207	703342
9	1	56.6	14	-	-	138156
10	1	63.2	14	-	-	319830
11	1	61.7	14	-	-	501220
12	1	63.9	14	-	-	683011
13	1	51	14	-	-	115859
14	2	68.3	14	1572	-	296784
15	2	81.4	14	1411	-	477898
16	1	63	14	-	-	660602
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Trial Number:			20			Detection (Yes/No)
Number of Bursts in Trial:			17			
Chirp Center Frequency:			5258			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (μsec)
1	1	61	16	-	-	88030
2	3	93	16	1637	1158	257745
3	2	73.6	16	1914	-	428499
4	1	65.7	16	-	-	600221
5	3	91.2	16	1440	1982	66681
6	3	95.1	16	1826	1501	236808
7	3	98.1	16	1902	1631	406438
8	2	73.3	16	1381	-	578071
9	1	64.6	16	-	-	45911
10	2	83.3	16	1925	-	216222
11	3	86.4	16	1308	1017	386414
12	3	99.5	16	1540	1710	555957
13	3	97.6	16	1039	1514	24780
14	1	60.4	16	-	-	195626
15	1	52.8	16	-	-	366336
16	1	61.5	16	-	-	537297
17	2	78.4	16	1134	-	3826
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DFS Radar Parameters
FCC Radar Type 5
Channel 58 Bandwidth 80MHz

Trial Number:			21			Detection (Yes/No)
Number of Bursts in Trial:			20			
Chirp Center Frequency:			5321			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	85.5	20	1110	1171	147746
2	3	92.9	20	1157	1674	292298
3	1	64.4	20	-	-	438665
4	2	72.5	20	1695	-	582134
5	1	51	20	-	-	130615
6	2	71.2	20	1966	-	274828
7	3	96.4	20	1528	1069	419051
8	2	69.2	20	1020	-	564793
9	2	71.3	20	1470	-	112329
10	2	81.1	20	1780	-	257217
11	3	89.9	20	1267	1326	401336
12	2	79.6	20	1457	-	546785
13	3	88.9	20	1759	1399	94226
14	3	88	20	1594	1928	238373
15	3	89.5	20	1292	1683	383186
16	1	52.7	20	-	-	530393
17	1	65.3	20	-	-	76901
18	3	88	20	1672	1085	220943
19	3	88.6	20	1607	1509	365330
20	1	64.3	20	-	-	512669

Trial Number:			22			Detection (Yes/No)
Number of Bursts in Trial:			13			
Chirp Center Frequency:			5324			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	56.2	11	-	-	90831
2	1	63.5	11	-	-	314541
3	3	92.3	11	1456	1174	536396
4	3	84	11	1418	1321	758980
5	1	59.6	11	-	-	63303
6	1	52	11	-	-	286882
7	2	80.2	11	1289	-	509712
8	2	71.9	11	1624	-	732736
9	3	90.5	11	1733	1036	35696
10	1	51.2	11	-	-	259178
11	3	96.2	11	1730	1296	481201
12	1	60.4	11	-	-	706198
13	1	50.1	11	-	-	8278
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DFS Radar Parameters
FCC Radar Type 5
Channel 58 Bandwidth 80MHz

Trial Number:			23			Detection (Yes/No)
Number of Bursts in Trial:			18			
Chirp Center Frequency:			5322			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	85.6	17	1130	1600	166524
2	1	65.6	17	-	-	328668
3	2	75.5	17	1577	-	488836
4	2	67	17	1846	-	649735
5	3	90.6	17	1777	1539	146783
6	1	60	17	-	-	308723
7	2	71.8	17	1951	-	468949
8	2	77.3	17	1336	-	630166
9	3	96.5	17	1297	1248	126971
10	2	69.8	17	1390	-	288244
11	1	63.9	17	-	-	449950
12	1	58.1	17	-	-	611655
13	3	93.7	17	1266	1749	107163
14	2	75.7	17	1587	-	268557
15	3	95.4	17	1814	1322	428012
16	3	96.9	17	1405	1664	588527
17	3	96.8	17	1586	1527	87402
18	2	82.2	17	1232	-	248772
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Trial Number:			24			Detection (Yes/No)
Number of Bursts in Trial:			17			
Chirp Center Frequency:			5322			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	72.5	16	1003	-	434254
2	1	64.2	16	-	-	605716
3	3	97.2	16	1482	1738	71627
4	2	72.1	16	1904	-	242282
5	2	71.9	16	1210	-	412732
6	1	50.6	16	-	-	584365
7	2	80.4	16	1909	-	50776
8	1	62.8	16	-	-	221649
9	3	99.1	16	1830	1195	391076
10	3	91	16	1803	1202	560695
11	2	74.5	16	1276	-	29824
12	2	78.8	16	1095	-	200355
13	2	70	16	1590	-	370894
14	3	84.9	16	1334	1391	540038
15	2	79.5	16	1520	-	8793
16	2	79.4	16	1984	-	179229
17	1	53.3	16	-	-	350485
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DFS Radar Parameters
FCC Radar Type 5
Channel 58 Bandwidth 80MHz

Trial Number:			25			Detection (Yes/No)
Number of Bursts in Trial:			8			
Chirp Center Frequency:			5327			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	72.3	5	1684	-	1107614
2	1	63.9	5	-	-	1472170
3	3	85.7	5	1736	1343	336693
4	2	74.8	5	1654	-	699949
5	2	78	5	1678	-	1063404
6	2	66.7	5	1824	-	1426282
7	3	87.1	5	1740	1903	292027
8	1	59.7	5	-	-	656155
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Trial Number:			26			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5326			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	93.7	7	1427	1329	813801
2	2	78.3	7	1721	-	1104139
3	2	75.8	7	1739	-	197981
4	1	65.9	7	-	-	488869
5	2	76.3	7	1926	-	778085
6	3	84.8	7	1164	1032	1068467
7	2	75	7	1599	-	162280
8	3	93.8	7	1712	1896	451739
9	2	69.1	7	1182	-	743320
10	2	73.6	7	1737	-	1032988
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DFS Radar Parameters
FCC Radar Type 5
Channel 58 Bandwidth 80MHz

Trial Number:			27			Detection (Yes/No)
Number of Bursts in Trial:			9			
Chirp Center Frequency:			5326			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	7	1929	1300	140407
2	1	52.9	7	-	-	463659
3	1	63.4	7	-	-	787000
4	3	93.8	7	1833	1506	1106771
5	2	74.9	7	1111	-	100870
6	3	86.6	7	1731	1979	422902
7	2	77.7	7	1492	-	746015
8	1	61	7	-	-	1070110
9	2	80.8	7	1446	-	61107
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Trial Number:			28			Detection (Yes/No)
Number of Bursts in Trial:			15			
Chirp Center Frequency:			5323			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	52.8	13	-	-	230422
2	2	67.6	13	1799	-	423047
3	3	99.9	13	1973	1583	614910
4	2	79	13	1294	-	12793
5	2	78.6	13	1726	-	206158
6	1	64.2	13	-	-	399975
7	2	72.4	13	1862	-	592330
8	2	73.1	13	1628	-	785671
9	2	83	13	1781	-	182240
10	1	61	13	-	-	376516
11	1	57.4	13	-	-	570235
12	3	94.6	13	1970	1335	760596
13	3	97.6	13	1983	1234	158187
14	1	60.1	13	-	-	352389
15	1	62.3	13	-	-	546299
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DFS Radar Parameters
FCC Radar Type 5
Channel 58 Bandwidth 80MHz

Trial Number:			29			Detection (Yes/No)
Number of Bursts in Trial:			13			
Chirp Center Frequency:			5324			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (μsec)
1	2	78.3	12	1144	-	852610
2	2	72.3	12	1716	-	155498
3	1	54.6	12	-	-	379369
4	3	97	12	1969	1922	600011
5	2	72.7	12	1162	-	825025
6	1	56.1	12	-	-	128149
7	3	99.5	12	1053	1410	350883
8	3	85.1	12	1477	1526	573173
9	1	50.9	12	-	-	798624
10	1	61.2	12	-	-	100600
11	3	83.4	12	1287	1865	322940
12	2	76.5	12	1940	-	546362
13	3	89.9	12	1852	1348	768636
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Trial Number:			30			Detection (Yes/No)
Number of Bursts in Trial:			11			
Chirp Center Frequency:			5325			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μsec)	Pulse 2-to-3 Spacing (μsec)	Starting Location Within Interval (μsec)
1	2	78.6	8	1870	-	86300
2	3	89.1	8	1620	1265	349743
3	3	99.2	8	2000	1455	613051
4	3	97.1	8	1096	1893	876400
5	2	66.9	8	1543	-	53832
6	3	85.9	8	1626	1295	317146
7	3	84.2	8	1972	1575	580563
8	3	92.1	8	1829	1474	844110
9	3	93.9	8	1432	1071	21301
10	3	99.3	8	1576	1789	284681
11	3	97.2	8	1670	1225	548379
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Channel 100 Bandwidth 20MHz

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	22	1066.10	938	Yes
2	1	1930.50	518	Yes
3	6	1618.12	618	Yes
4	4	1730.10	578	Yes
5	8	1519.76	658	Yes
6	14	1285.35	778	Yes
7	9	1474.93	678	Yes
8	12	1355.01	738	Yes
9	7	1567.40	638	Yes
10	19	1138.95	878	Yes
11	11	1392.76	718	Yes
12	18	1165.50	858	Yes
13	5	1672.24	598	Yes
14	23	326.16	3066	Yes
15	21	1089.32	918	Yes
16		1166.86	857	Yes
17		1324.50	755	Yes
18		382.41	2615	Yes
19		803.21	1245	Yes
20		566.89	1764	Yes
21		762.78	1311	Yes
22		346.38	2887	Yes
23		388.35	2575	Yes
24		349.65	2860	Yes
25		547.65	1826	Yes
26		378.07	2645	Yes
27		366.84	2726	Yes
28		888.89	1125	Yes
29		1024.59	976	Yes
30		1218.03	821	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	28	4.10	194	Yes
2	26	3.00	175	Yes
3	25	2.30	187	Yes
4	24	1.70	168	Yes
5	28	4.40	154	Yes
6	27	3.50	214	Yes
7	25	2.50	208	Yes
8	26	3.00	156	Yes
9	25	2.70	207	Yes
10	23	1.40	226	Yes
11	26	2.90	190	Yes
12	24	1.70	216	Yes
13	29	5.00	189	Yes
14	24	1.60	159	Yes
15	24	1.60	169	Yes
16	29	5.00	185	Yes
17	23	1.00	179	Yes
18	23	1.40	201	Yes
19	27	3.50	153	Yes
20	27	3.80	182	Yes
21	29	5.00	191	Yes
22	26	2.70	164	Yes
23	28	4.20	155	Yes
24	28	3.90	227	Yes
25	23	1.20	166	Yes
26	24	1.60	222	Yes
27	24	1.60	150	Yes
28	26	3.30	173	Yes
29	26	2.80	209	Yes
30	24	1.90	211	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	9.10	491	Yes
2	17	8.00	444	Yes
3	17	7.30	394	Yes
4	16	6.70	353	Yes
5	18	9.40	303	Yes
6	17	8.50	216	Yes
7	17	7.50	357	Yes
8	17	8.00	302	Yes
9	17	7.70	285	Yes
10	16	6.40	450	Yes
11	17	7.90	464	Yes
12	16	6.70	454	Yes
13	18	10.00	429	Yes
14	16	6.60	363	Yes
15	16	6.60	298	Yes
16	18	10.00	416	Yes
17	16	6.00	493	Yes
18	16	6.40	469	Yes
19	17	8.50	455	Yes
20	18	8.80	465	Yes
21	18	10.00	390	Yes
22	17	7.70	262	Yes
23	18	9.20	409	Yes
24	18	8.90	480	Yes
25	16	6.20	308	Yes
26	16	6.60	467	Yes
27	16	6.60	389	Yes
28	17	8.30	354	Yes
29	17	7.80	459	Yes
30	16	6.90	236	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	15	17.90	491	Yes
2	14	15.50	444	Yes
3	13	14.00	394	No
4	12	12.50	353	Yes
5	16	18.60	303	Yes
6	15	16.60	216	Yes
7	13	14.50	357	Yes
8	14	15.50	302	Yes
9	14	14.80	285	Yes
10	12	12.00	450	Yes
11	14	15.40	464	Yes
12	12	12.70	454	No
13	16	19.80	429	Yes
14	12	12.30	363	Yes
15	12	12.40	298	Yes
16	16	19.90	416	Yes
17	12	11.00	493	Yes
18	12	12.00	469	Yes
19	15	16.60	455	Yes
20	15	17.40	465	Yes
21	16	20.00	390	Yes
22	14	14.90	262	Yes
23	15	18.10	409	Yes
24	15	17.50	480	Yes
25	12	11.40	308	Yes
26	12	12.40	467	Yes
27	12	12.30	389	Yes
28	14	16.10	354	Yes
29	14	15.10	459	Yes
30	13	13.10	236	Yes

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

Trial Number:			1			Detection (Yes/No)
Number of Bursts in Trial:			17			
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	88.3	17	1388	1616	4923
2	2	74.9	17	1613	-	175254
3	2	66.7	17	1673	-	346028
4	1	58.6	17	-	-	517203
5	3	91.8	17	1732	1262	685553
6	2	81	17	1685	-	154291
7	2	69.5	17	1954	-	324571
8	2	74.8	17	1711	-	495124
9	2	71.2	17	1693	-	665453
10	1	55.6	17	-	-	133661
11	2	74.3	17	1384	-	303981
12	1	59.7	17	-	-	475375
13	3	98.9	17	1564	1083	643510
14	1	57.4	17	-	-	112628
15	1	58.2	17	-	-	283673
16	3	99.1	17	1625	1242	452523
17	1	50.3	17	-	-	625070
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Trial Number:			2			Detection (Yes/No)
Number of Bursts in Trial:			14			
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	55.7	12	-	-	111242
2	2	81.2	12	1496	-	318170
3	3	85.3	12	1309	1026	524935
4	3	99.7	12	1143	1757	731581
5	2	71.4	12	1052	-	85658
6	3	89.5	12	1538	1976	291873
7	3	86.2	12	1274	1054	499431
8	1	52.5	12	-	-	707932
9	1	57.9	12	-	-	60154
10	1	57.3	12	-	-	267524
11	2	78.1	12	1841	-	474326
12	2	72.8	12	1156	-	681890
13	1	61.8	12	-	-	34599
14	1	64.6	12	-	-	242108
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DFS Radar Parameters
FCC Radar Type 5
Channel 100 Bandwidth 20MHz

Trial Number:			3			Detection
Number of Bursts in Trial:			12			(Yes/No)
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	67.3	10	1888	-	523783
2	1	51.3	10	-	-	766940
3	3	84.2	10	1743	1666	10505
4	1	61.4	10	-	-	252825
5	3	94.7	10	1472	1787	493022
6	2	78.9	10	1713	-	735458
7	3	100	10	1924	1320	975983
8	2	77.3	10	1513	-	222581
9	2	70.1	10	1279	-	464592
10	1	54.1	10	-	-	707314
11	2	81.7	10	1766	-	947740
12	1	64.1	10	-	-	193028
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Trial Number:			4			Detection
Number of Bursts in Trial:			10			(Yes/No)
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	55.7	7	-	-	522304
2	3	97.9	7	1860	1573	810437
3	1	53.7	7	-	-	1103410
4	1	65.8	7	-	-	195937
5	1	63.2	7	-	-	486685
6	1	65.1	7	-	-	777277
7	3	98	7	1962	1025	1065193
8	1	56.9	7	-	-	160161
9	3	92.9	7	1374	1484	449653
10	2	78.5	7	1745	-	740582
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DFS Radar Parameters
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Channel 100 Bandwidth 20MHz

Trial Number:			5			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	1	51	18	-	-	572411
2	2	76.9	18	1489	-	68864
3	2	66.8	18	1985	-	229539
4	3	85.4	18	1521	1051	390087
5	2	80.6	18	1135	-	551898
6	1	56.1	18	-	-	49126
7	3	83.9	18	1161	1048	209769
8	2	73.6	18	1059	-	371007
9	3	91.4	18	1126	1106	531322
10	1	52	18	-	-	29246
11	1	59.4	18	-	-	190693
12	3	91	18	1778	1802	350264
13	1	56.9	18	-	-	512893
14	1	58.4	18	-	-	9370
15	1	64.7	18	-	-	170821
16	3	96.1	18	1536	1373	330681
17	1	63.6	18	-	-	493541
18	2	70.2	18	1121	-	653788
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Trial Number:			6			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	1	50.3	14	-	-	169814
2	2	78.4	14	1315	-	350681
3	1	61	14	-	-	532905
4	2	81.1	14	1541	-	713160
5	2	68	14	1253	-	147045
6	1	57.3	14	-	-	328853
7	3	83.8	14	1939	1113	508420
8	3	88.3	14	1116	1118	690115
9	3	98.9	14	1676	1640	124496
10	3	92.2	14	1667	1762	305302
11	3	94.2	14	1093	1869	485911
12	1	62.9	14	-	-	669271
13	2	74.8	14	1180	-	102432
14	1	54.9	14	-	-	284102
15	2	71.8	14	1464	-	464553
16	3	88.8	14	1044	1155	645095
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Trial Number:			7			Detection (Yes/No)
Number of Bursts in Trial:			13			
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	50.2	11	-	-	98819
2	1	57.2	11	-	-	322368
3	3	94.7	11	1319	1560	544360
4	1	59.2	11	-	-	769508
5	3	98.3	11	1519	1510	71104
6	3	93.9	11	1447	1589	293913
7	3	93.5	11	1752	1504	516634
8	3	96.6	11	1222	1005	739859
9	1	62.7	11	-	-	43782
10	2	79.7	11	1944	-	266731
11	1	54.7	11	-	-	490853
12	1	64.7	11	-	-	714178
13	3	90.9	11	1471	1808	16196
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Trial Number:			8			Detection (Yes/No)
Number of Bursts in Trial:			14			
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	95.4	12	1327	1064	222030
2	1	51	12	-	-	430282
3	2	67.1	12	1878	-	635894
4	1	51.5	12	-	-	844916
5	2	77.8	12	1535	-	196758
6	1	56.5	12	-	-	404555
7	1	64.4	12	-	-	612008
8	2	67.4	12	1988	-	817422
9	2	69.9	12	1145	-	171170
10	1	58.9	12	-	-	379093
11	1	59.5	12	-	-	586816
12	1	51.6	12	-	-	794370
13	3	92.3	12	1223	1394	145519
14	1	57.3	12	-	-	353383
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Trial Number:			9			Detection (Yes/No)
Number of Bursts in Trial:			13			
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	91.7	11	1355	1953	602078
2	2	79.5	11	1247	-	826988
3	2	78.4	11	1291	-	129433
4	2	77.2	11	1689	-	352611
5	1	54.5	11	-	-	576668
6	2	69.2	11	1957	-	798203
7	2	68.1	11	1141	-	101927
8	1	58.1	11	-	-	325483
9	1	57.5	11	-	-	548937
10	1	51.4	11	-	-	772571
11	1	54.3	11	-	-	74544
12	2	71.9	11	1252	-	297830
13	1	56.5	11	-	-	521783
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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	84.9	6	1619	1906	1073588
2	1	64.5	6	-	-	67967
3	2	68.3	6	1375	-	390495
4	3	88.4	6	1007	1542	712425
5	1	52.5	6	-	-	1036972
6	2	69	6	1148	-	28179
7	3	97.5	6	1692	1907	350212
8	1	53.4	6	-	-	674332
9	3	91.1	6	1522	1183	995516
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Trial Number:			11			Detection (Yes/No)
Number of Bursts in Trial:			14			
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	77	12	1149	-	846766
2	1	61.4	12	-	-	200002
3	3	97.1	12	1250	1467	406377
4	3	98.4	12	1567	1314	613354
5	1	57.3	12	-	-	822567
6	2	71.3	12	1387	-	174311
7	2	80.4	12	1462	-	381340
8	3	98.3	12	1431	1177	587558
9	3	85.2	12	1117	1500	794221
10	1	57.5	12	-	-	148990
11	1	56	12	-	-	356380
12	3	86.6	12	1703	1192	561826
13	1	51.7	12	-	-	771162
14	2	67	12	1717	-	123086
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Trial Number:			12			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5493			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	84.4	8	1209	1179	462689
2	1	52.4	8	-	-	754297
3	1	50.2	8	-	-	1044809
4	3	95.6	8	1452	1074	136685
5	2	72.7	8	1377	-	427167
6	3	87.3	8	1190	1746	716342
7	3	93.6	8	1261	1196	1007182
8	1	65.7	8	-	-	101181
9	3	97.2	8	1835	1549	390645
10	1	55.9	8	-	-	682790
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Trial Number:			13			Detection (Yes/No)
Number of Bursts in Trial:			20			
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	100	20	1877	1956	483164
2	2	79.5	20	1627	-	32590
3	1	52.9	20	-	-	177918
4	1	51.6	20	-	-	323044
5	2	70.6	20	1876	-	466834
6	1	56.9	20	-	-	14787
7	2	82.7	20	1916	-	159301
8	3	94.9	20	1894	1136	303785
9	1	53.8	20	-	-	450539
10	1	50.6	20	-	-	595204
11	1	52.4	20	-	-	142179
12	2	67	20	1189	-	286551
13	2	80.2	20	1090	-	431461
14	1	56.1	20	-	-	577519
15	1	61.9	20	-	-	124155
16	3	96.9	20	1423	1657	268167
17	2	77.8	20	1430	-	413363
18	1	59.2	20	-	-	559348
19	1	66.2	20	-	-	106247
20	3	96.9	20	1816	1635	249892

Trial Number:			14			Detection (Yes/No)
Number of Bursts in Trial:			9			
Chirp Center Frequency:			5493			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	65.8	7	-	-	882891
2	2	69.9	7	1801	-	1204214
3	2	83.2	7	1406	-	196569
4	3	97.5	7	1178	1439	518946
5	3	84	7	1285	1191	841026
6	3	85.9	7	1147	1000	1164033
7	1	52.3	7	-	-	157006
8	2	73.5	7	1554	-	479394
9	2	74.7	7	1233	-	802471
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Trial Number:			15			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5493			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	7	-	-	1013243
2	3	97.6	7	1393	1688	105219
3	1	61.2	7	-	-	396203
4	1	64.2	7	-	-	686856
5	3	91.2	7	1623	1881	974648
6	3	98.4	7	1063	1782	69513
7	2	77.8	7	1517	-	359954
8	2	68.4	7	1518	-	650152
9	2	78.7	7	1062	-	940481
10	2	77.7	7	1756	-	33804
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Trial Number:			16			Detection (Yes/No)
Number of Bursts in Trial:			20			
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	78.2	20	1168	-	161829
2	2	74.9	20	1588	-	306406
3	1	61.2	20	-	-	452676
4	2	82.7	20	1709	-	595993
5	1	51.1	20	-	-	144214
6	1	64.5	20	-	-	289221
7	2	67.3	20	1027	-	433797
8	2	72.3	20	1851	-	577483
9	3	94.1	20	1774	1634	125506
10	3	83.6	20	1379	1920	269826
11	2	75.9	20	1565	-	415463
12	1	59.5	20	-	-	561971
13	3	84.3	20	1278	1459	107991
14	3	99.6	20	1211	1385	252566
15	1	50.3	20	-	-	398475
16	3	90.1	20	1553	1037	541810
17	2	80.1	20	1331	-	90397
18	3	96.4	20	1707	1994	234250
19	1	55.4	20	-	-	381066
20	2	67.6	20	1662	-	524669

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Trial Number:			17			Detection (Yes/No)
Number of Bursts in Trial:			8			
Chirp Center Frequency:			5492			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	84.7	5	1488	1245	181648
2	1	54.6	5	-	-	545381
3	1	59.1	5	-	-	908641
4	2	70.1	5	1682	-	1270482
5	3	87.7	5	1981	1544	136857
6	1	53.1	5	-	-	500755
7	3	91.3	5	1392	1328	862646
8	1	52.7	5	-	-	1227117
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Trial Number:			18			Detection (Yes/No)
Number of Bursts in Trial:			9			
Chirp Center Frequency:			5493			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	89	6	1728	1842	81868
2	1	57.7	6	-	-	405189
3	3	84.2	6	1650	1176	726745
4	2	78.4	6	1138	-	1050643
5	3	99.1	6	1873	1058	42229
6	2	81.5	6	1107	-	365108
7	3	88	6	1081	1534	686928
8	2	72	6	1013	-	1010418
9	1	54.6	6	-	-	2537
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Trial Number:			19			Detection (Yes/No)
Number of Bursts in Trial:			16			
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	3	87.3	14	1941	1008	182272
2	2	82	14	1584	-	363653
3	2	82.9	14	1469	-	544596
4	1	66.6	14	-	-	727420
5	1	63.5	14	-	-	160517
6	1	58.2	14	-	-	341972
7	3	89.9	14	1045	1930	521583
8	3	98.9	14	1228	1207	703342
9	1	56.6	14	-	-	138156
10	1	63.2	14	-	-	319830
11	1	61.7	14	-	-	501220
12	1	63.9	14	-	-	683011
13	1	51	14	-	-	115859
14	2	68.3	14	1572	-	296784
15	2	81.4	14	1411	-	477898
16	1	63	14	-	-	660602
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Trial Number:			20			Detection (Yes/No)
Number of Bursts in Trial:			17			
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	61	16	-	-	88030
2	3	93	16	1637	1158	257745
3	2	73.6	16	1914	-	428499
4	1	65.7	16	-	-	600221
5	3	91.2	16	1440	1982	66681
6	3	95.1	16	1826	1501	236808
7	3	98.1	16	1902	1631	406438
8	2	73.3	16	1381	-	578071
9	1	64.6	16	-	-	45911
10	2	83.3	16	1925	-	216222
11	3	86.4	16	1308	1017	386414
12	3	99.5	16	1540	1710	555957
13	3	97.6	16	1039	1514	24780
14	1	60.4	16	-	-	195626
15	1	52.8	16	-	-	366336
16	1	61.5	16	-	-	537297
17	2	78.4	16	1134	-	3826
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Trial Number:			21			Detection (Yes/No)
Number of Bursts in Trial:			20			
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	3	85.5	20	1110	1171	147746
2	3	92.9	20	1157	1674	292298
3	1	64.4	20	-	-	438665
4	2	72.5	20	1695	-	582134
5	1	51	20	-	-	130615
6	2	71.2	20	1966	-	274828
7	3	96.4	20	1528	1069	419051
8	2	69.2	20	1020	-	564793
9	2	71.3	20	1470	-	112329
10	2	81.1	20	1780	-	257217
11	3	89.9	20	1267	1326	401336
12	2	79.6	20	1457	-	546785
13	3	88.9	20	1759	1399	94226
14	3	88	20	1594	1928	238373
15	3	89.5	20	1292	1683	383186
16	1	52.7	20	-	-	530393
17	1	65.3	20	-	-	76901
18	3	88	20	1672	1085	220943
19	3	88.6	20	1607	1509	365330
20	1	64.3	20	-	-	512669

Trial Number:			22			Detection (Yes/No)
Number of Bursts in Trial:			13			
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	1	56.2	11	-	-	90831
2	1	63.5	11	-	-	314541
3	3	92.3	11	1456	1174	536396
4	3	84	11	1418	1321	758980
5	1	59.6	11	-	-	63303
6	1	52	11	-	-	286882
7	2	80.2	11	1289	-	509712
8	2	71.9	11	1624	-	732736
9	3	90.5	11	1733	1036	35696
10	1	51.2	11	-	-	259178
11	3	96.2	11	1730	1296	481201
12	1	60.4	11	-	-	706198
13	1	50.1	11	-	-	8278
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Trial Number:			23			Detection (Yes/No)
Number of Bursts in Trial:			18			
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	3	85.6	17	1130	1600	166524
2	1	65.6	17	-	-	328668
3	2	75.5	17	1577	-	488836
4	2	67	17	1846	-	649735
5	3	90.6	17	1777	1539	146783
6	1	60	17	-	-	308723
7	2	71.8	17	1951	-	468949
8	2	77.3	17	1336	-	630166
9	3	96.5	17	1297	1248	126971
10	2	69.8	17	1390	-	288244
11	1	63.9	17	-	-	449950
12	1	58.1	17	-	-	611655
13	3	93.7	17	1266	1749	107163
14	2	75.7	17	1587	-	268557
15	3	95.4	17	1814	1322	428012
16	3	96.9	17	1405	1664	588527
17	3	96.8	17	1586	1527	87402
18	2	82.2	17	1232	-	248772
19						
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Trial Number:			24			Detection (Yes/No)
Number of Bursts in Trial:			17			
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	2	72.5	16	1003	-	434254
2	1	64.2	16	-	-	605716
3	3	97.2	16	1482	1738	71627
4	2	72.1	16	1904	-	242282
5	2	71.9	16	1210	-	412732
6	1	50.6	16	-	-	584365
7	2	80.4	16	1909	-	50776
8	1	62.8	16	-	-	221649
9	3	99.1	16	1830	1195	391076
10	3	91	16	1803	1202	560695
11	2	74.5	16	1276	-	29824
12	2	78.8	16	1095	-	200355
13	2	70	16	1590	-	370894
14	3	84.9	16	1334	1391	540038
15	2	79.5	16	1520	-	8793
16	2	79.4	16	1984	-	179229
17	1	53.3	16	-	-	350485
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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:			8			
Chirp Center Frequency:			5508			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	72.3	5	1684	-	1107614
2	1	63.9	5	-	-	1472170
3	3	85.7	5	1736	1343	336693
4	2	74.8	5	1654	-	699949
5	2	78	5	1678	-	1063404
6	2	66.7	5	1824	-	1426282
7	3	87.1	5	1740	1903	292027
8	1	59.7	5	-	-	656155
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Trial Number:			26			Detection (Yes/No)
Number of Bursts in Trial:			10			
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	3	93.7	7	1427	1329	813801
2	2	78.3	7	1721	-	1104139
3	2	75.8	7	1739	-	197981
4	1	65.9	7	-	-	488869
5	2	76.3	7	1926	-	778085
6	3	84.8	7	1164	1032	1068467
7	2	75	7	1599	-	162280
8	3	93.8	7	1712	1896	451739
9	2	69.1	7	1182	-	743320
10	2	73.6	7	1737	-	1032988
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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:			9			
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	3	96.2	7	1929	1300	140407
2	1	52.9	7	-	-	463659
3	1	63.4	7	-	-	787000
4	3	93.8	7	1833	1506	1106771
5	2	74.9	7	1111	-	100870
6	3	86.6	7	1731	1979	422902
7	2	77.7	7	1492	-	746015
8	1	61	7	-	-	1070110
9	2	80.8	7	1446	-	61107
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Trial Number:			28			Detection (Yes/No)
Number of Bursts in Trial:			15			
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	1	52.8	13	-	-	230422
2	2	67.6	13	1799	-	423047
3	3	99.9	13	1973	1583	614910
4	2	79	13	1294	-	12793
5	2	78.6	13	1726	-	206158
6	1	64.2	13	-	-	399975
7	2	72.4	13	1862	-	592330
8	2	73.1	13	1628	-	785671
9	2	83	13	1781	-	182240
10	1	61	13	-	-	376516
11	1	57.4	13	-	-	570235
12	3	94.6	13	1970	1335	760596
13	3	97.6	13	1983	1234	158187
14	1	60.1	13	-	-	352389
15	1	62.3	13	-	-	546299
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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:			13			
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	78.3	12	1144	-	852610
2	2	72.3	12	1716	-	155498
3	1	54.6	12	-	-	379369
4	3	97	12	1969	1922	600011
5	2	72.7	12	1162	-	825025
6	1	56.1	12	-	-	128149
7	3	99.5	12	1053	1410	350883
8	3	85.1	12	1477	1526	573173
9	1	50.9	12	-	-	798624
10	1	61.2	12	-	-	100600
11	3	83.4	12	1287	1865	322940
12	2	76.5	12	1940	-	546362
13	3	89.9	12	1852	1348	768636
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Trial Number:			30			Detection (Yes/No)
Number of Bursts in Trial:			11			
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	78.6	8	1870	-	86300
2	3	89.1	8	1620	1265	349743
3	3	99.2	8	2000	1455	613051
4	3	97.1	8	1096	1893	876400
5	2	66.9	8	1543	-	53832
6	3	85.9	8	1626	1295	317146
7	3	84.2	8	1972	1575	580563
8	3	92.1	8	1829	1474	844110
9	3	93.9	8	1432	1071	21301
10	3	99.3	8	1576	1789	284681
11	3	97.2	8	1670	1225	548379
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Channel 102 Bandwidth 40MHz

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	22	1066.10	938	Yes
2	1	1930.50	518	Yes
3	6	1618.12	618	Yes
4	4	1730.10	578	Yes
5	8	1519.76	658	Yes
6	14	1285.35	778	Yes
7	9	1474.93	678	Yes
8	12	1355.01	738	Yes
9	7	1567.40	638	Yes
10	19	1138.95	878	Yes
11	11	1392.76	718	Yes
12	18	1165.50	858	Yes
13	5	1672.24	598	Yes
14	23	326.16	3066	Yes
15	21	1089.32	918	Yes
16		1166.86	857	Yes
17		1324.50	755	Yes
18		382.41	2615	Yes
19		803.21	1245	Yes
20		566.89	1764	Yes
21		762.78	1311	Yes
22		346.38	2887	Yes
23		388.35	2575	Yes
24		349.65	2860	Yes
25		547.65	1826	Yes
26		378.07	2645	Yes
27		366.84	2726	Yes
28		888.89	1125	Yes
29		1024.59	976	Yes
30		1218.03	821	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	28	4.10	194	Yes
2	26	3.00	175	Yes
3	25	2.30	187	Yes
4	24	1.70	168	Yes
5	28	4.40	154	Yes
6	27	3.50	214	Yes
7	25	2.50	208	Yes
8	26	3.00	156	Yes
9	25	2.70	207	Yes
10	23	1.40	226	Yes
11	26	2.90	190	Yes
12	24	1.70	216	Yes
13	29	5.00	189	Yes
14	24	1.60	159	Yes
15	24	1.60	169	Yes
16	29	5.00	185	Yes
17	23	1.00	179	Yes
18	23	1.40	201	Yes
19	27	3.50	153	Yes
20	27	3.80	182	Yes
21	29	5.00	191	Yes
22	26	2.70	164	Yes
23	28	4.20	155	Yes
24	28	3.90	227	Yes
25	23	1.20	166	Yes
26	24	1.60	222	Yes
27	24	1.60	150	Yes
28	26	3.30	173	Yes
29	26	2.80	209	Yes
30	24	1.90	211	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	9.10	491	Yes
2	17	8.00	444	Yes
3	17	7.30	394	Yes
4	16	6.70	353	No
5	18	9.40	303	Yes
6	17	8.50	216	Yes
7	17	7.50	357	Yes
8	17	8.00	302	Yes
9	17	7.70	285	Yes
10	16	6.40	450	Yes
11	17	7.90	464	Yes
12	16	6.70	454	Yes
13	18	10.00	429	Yes
14	16	6.60	363	Yes
15	16	6.60	298	Yes
16	18	10.00	416	Yes
17	16	6.00	493	Yes
18	16	6.40	469	Yes
19	17	8.50	455	Yes
20	18	8.80	465	Yes
21	18	10.00	390	Yes
22	17	7.70	262	Yes
23	18	9.20	409	Yes
24	18	8.90	480	Yes
25	16	6.20	308	No
26	16	6.60	467	Yes
27	16	6.60	389	Yes
28	17	8.30	354	Yes
29	17	7.80	459	Yes
30	16	6.90	236	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	15	17.90	491	Yes
2	14	15.50	444	Yes
3	13	14.00	394	Yes
4	12	12.50	353	Yes
5	16	18.60	303	Yes
6	15	16.60	216	Yes
7	13	14.50	357	Yes
8	14	15.50	302	Yes
9	14	14.80	285	Yes
10	12	12.00	450	No
11	14	15.40	464	Yes
12	12	12.70	454	Yes
13	16	19.80	429	Yes
14	12	12.30	363	Yes
15	12	12.40	298	Yes
16	16	19.90	416	Yes
17	12	11.00	493	Yes
18	12	12.00	469	Yes
19	15	16.60	455	Yes
20	15	17.40	465	Yes
21	16	20.00	390	Yes
22	14	14.90	262	Yes
23	15	18.10	409	No
24	15	17.50	480	Yes
25	12	11.40	308	Yes
26	12	12.40	467	Yes
27	12	12.30	389	Yes
28	14	16.10	354	Yes
29	14	15.10	459	Yes
30	13	13.10	236	Yes

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

Trial Number:			1			Detection (Yes/No)
Number of Bursts in Trial:			17			
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	88.3	17	1388	1616	4923
2	2	74.9	17	1613	-	175254
3	2	66.7	17	1673	-	346028
4	1	58.6	17	-	-	517203
5	3	91.8	17	1732	1262	685553
6	2	81	17	1685	-	154291
7	2	69.5	17	1954	-	324571
8	2	74.8	17	1711	-	495124
9	2	71.2	17	1693	-	665453
10	1	55.6	17	-	-	133661
11	2	74.3	17	1384	-	303981
12	1	59.7	17	-	-	475375
13	3	98.9	17	1564	1083	643510
14	1	57.4	17	-	-	112628
15	1	58.2	17	-	-	283673
16	3	99.1	17	1625	1242	452523
17	1	50.3	17	-	-	625070
18						
19						
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Trial Number:			2			Detection (Yes/No)
Number of Bursts in Trial:			14			
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	55.7	12	-	-	111242
2	2	81.2	12	1496	-	318170
3	3	85.3	12	1309	1026	524935
4	3	99.7	12	1143	1757	731581
5	2	71.4	12	1052	-	85658
6	3	89.5	12	1538	1976	291873
7	3	86.2	12	1274	1054	499431
8	1	52.5	12	-	-	707932
9	1	57.9	12	-	-	60154
10	1	57.3	12	-	-	267524
11	2	78.1	12	1841	-	474326
12	2	72.8	12	1156	-	681890
13	1	61.8	12	-	-	34599
14	1	64.6	12	-	-	242108
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DFS Radar Parameters
FCC Radar Type 5
Channel 102 Bandwidth 40MHz

Trial Number:			3			Detection
Number of Bursts in Trial:			12			(Yes/No)
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	67.3	10	1888	-	523783
2	1	51.3	10	-	-	766940
3	3	84.2	10	1743	1666	10505
4	1	61.4	10	-	-	252825
5	3	94.7	10	1472	1787	493022
6	2	78.9	10	1713	-	735458
7	3	100	10	1924	1320	975983
8	2	77.3	10	1513	-	222581
9	2	70.1	10	1279	-	464592
10	1	54.1	10	-	-	707314
11	2	81.7	10	1766	-	947740
12	1	64.1	10	-	-	193028
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Trial Number:			4			Detection
Number of Bursts in Trial:			10			(Yes/No)
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	55.7	7	-	-	522304
2	3	97.9	7	1860	1573	810437
3	1	53.7	7	-	-	1103410
4	1	65.8	7	-	-	195937
5	1	63.2	7	-	-	486685
6	1	65.1	7	-	-	777277
7	3	98	7	1962	1025	1065193
8	1	56.9	7	-	-	160161
9	3	92.9	7	1374	1484	449653
10	2	78.5	7	1745	-	740582
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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:			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	1	51	18	-	-	572411
2	2	76.9	18	1489	-	68864
3	2	66.8	18	1985	-	229539
4	3	85.4	18	1521	1051	390087
5	2	80.6	18	1135	-	551898
6	1	56.1	18	-	-	49126
7	3	83.9	18	1161	1048	209769
8	2	73.6	18	1059	-	371007
9	3	91.4	18	1126	1106	531322
10	1	52	18	-	-	29246
11	1	59.4	18	-	-	190693
12	3	91	18	1778	1802	350264
13	1	56.9	18	-	-	512893
14	1	58.4	18	-	-	9370
15	1	64.7	18	-	-	170821
16	3	96.1	18	1536	1373	330681
17	1	63.6	18	-	-	493541
18	2	70.2	18	1121	-	653788
19						
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Trial Number:			6			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	1	50.3	14	-	-	169814
2	2	78.4	14	1315	-	350681
3	1	61	14	-	-	532905
4	2	81.1	14	1541	-	713160
5	2	68	14	1253	-	147045
6	1	57.3	14	-	-	328853
7	3	83.8	14	1939	1113	508420
8	3	88.3	14	1116	1118	690115
9	3	98.9	14	1676	1640	124496
10	3	92.2	14	1667	1762	305302
11	3	94.2	14	1093	1869	485911
12	1	62.9	14	-	-	669271
13	2	74.8	14	1180	-	102432
14	1	54.9	14	-	-	284102
15	2	71.8	14	1464	-	464553
16	3	88.8	14	1044	1155	645095
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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:			13			
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	50.2	11	-	-	98819
2	1	57.2	11	-	-	322368
3	3	94.7	11	1319	1560	544360
4	1	59.2	11	-	-	769508
5	3	98.3	11	1519	1510	71104
6	3	93.9	11	1447	1589	293913
7	3	93.5	11	1752	1504	516634
8	3	96.6	11	1222	1005	739859
9	1	62.7	11	-	-	43782
10	2	79.7	11	1944	-	266731
11	1	54.7	11	-	-	490853
12	1	64.7	11	-	-	714178
13	3	90.9	11	1471	1808	16196
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Trial Number:			8			Detection (Yes/No)
Number of Bursts in Trial:			14			
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	95.4	12	1327	1064	222030
2	1	51	12	-	-	430282
3	2	67.1	12	1878	-	635894
4	1	51.5	12	-	-	844916
5	2	77.8	12	1535	-	196758
6	1	56.5	12	-	-	404555
7	1	64.4	12	-	-	612008
8	2	67.4	12	1988	-	817422
9	2	69.9	12	1145	-	171170
10	1	58.9	12	-	-	379093
11	1	59.5	12	-	-	586816
12	1	51.6	12	-	-	794370
13	3	92.3	12	1223	1394	145519
14	1	57.3	12	-	-	353383
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DFS Radar Parameters
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Channel 102 Bandwidth 40MHz

Trial Number:			9			Detection (Yes/No)
Number of Bursts in Trial:			13			
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	91.7	11	1355	1953	602078
2	2	79.5	11	1247	-	826988
3	2	78.4	11	1291	-	129433
4	2	77.2	11	1689	-	352611
5	1	54.5	11	-	-	576668
6	2	69.2	11	1957	-	798203
7	2	68.1	11	1141	-	101927
8	1	58.1	11	-	-	325483
9	1	57.5	11	-	-	548937
10	1	51.4	11	-	-	772571
11	1	54.3	11	-	-	74544
12	2	71.9	11	1252	-	297830
13	1	56.5	11	-	-	521783
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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	84.9	6	1619	1906	1073588
2	1	64.5	6	-	-	67967
3	2	68.3	6	1375	-	390495
4	3	88.4	6	1007	1542	712425
5	1	52.5	6	-	-	1036972
6	2	69	6	1148	-	28179
7	3	97.5	6	1692	1907	350212
8	1	53.4	6	-	-	674332
9	3	91.1	6	1522	1183	995516
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Channel 102 Bandwidth 40MHz

Trial Number:			11			Detection (Yes/No)
Number of Bursts in Trial:			14			
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	2	77	12	1149	-	846766
2	1	61.4	12	-	-	200002
3	3	97.1	12	1250	1467	406377
4	3	98.4	12	1567	1314	613354
5	1	57.3	12	-	-	822567
6	2	71.3	12	1387	-	174311
7	2	80.4	12	1462	-	381340
8	3	98.3	12	1431	1177	587558
9	3	85.2	12	1117	1500	794221
10	1	57.5	12	-	-	148990
11	1	56	12	-	-	356380
12	3	86.6	12	1703	1192	561826
13	1	51.7	12	-	-	771162
14	2	67	12	1717	-	123086
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Trial Number:			12			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	84.4	8	1209	1179	462689
2	1	52.4	8	-	-	754297
3	1	50.2	8	-	-	1044809
4	3	95.6	8	1452	1074	136685
5	2	72.7	8	1377	-	427167
6	3	87.3	8	1190	1746	716342
7	3	93.6	8	1261	1196	1007182
8	1	65.7	8	-	-	101181
9	3	97.2	8	1835	1549	390645
10	1	55.9	8	-	-	682790
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DFS Radar Parameters
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Trial Number:			13			Detection (Yes/No)
Number of Bursts in Trial:			20			
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	100	20	1877	1956	483164
2	2	79.5	20	1627	-	32590
3	1	52.9	20	-	-	177918
4	1	51.6	20	-	-	323044
5	2	70.6	20	1876	-	466834
6	1	56.9	20	-	-	14787
7	2	82.7	20	1916	-	159301
8	3	94.9	20	1894	1136	303785
9	1	53.8	20	-	-	450539
10	1	50.6	20	-	-	595204
11	1	52.4	20	-	-	142179
12	2	67	20	1189	-	286551
13	2	80.2	20	1090	-	431461
14	1	56.1	20	-	-	577519
15	1	61.9	20	-	-	124155
16	3	96.9	20	1423	1657	268167
17	2	77.8	20	1430	-	413363
18	1	59.2	20	-	-	559348
19	1	66.2	20	-	-	106247
20	3	96.9	20	1816	1635	249892

Trial Number:			14			Detection (Yes/No)
Number of Bursts in Trial:			9			
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	1	65.8	7	-	-	882891
2	2	69.9	7	1801	-	1204214
3	2	83.2	7	1406	-	196569
4	3	97.5	7	1178	1439	518946
5	3	84	7	1285	1191	841026
6	3	85.9	7	1147	1000	1164033
7	1	52.3	7	-	-	157006
8	2	73.5	7	1554	-	479394
9	2	74.7	7	1233	-	802471
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Trial Number:			15			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	1	66.1	7	-	-	1013243
2	3	97.6	7	1393	1688	105219
3	1	61.2	7	-	-	396203
4	1	64.2	7	-	-	686856
5	3	91.2	7	1623	1881	974648
6	3	98.4	7	1063	1782	69513
7	2	77.8	7	1517	-	359954
8	2	68.4	7	1518	-	650152
9	2	78.7	7	1062	-	940481
10	2	77.7	7	1756	-	33804
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Trial Number:			16			Detection (Yes/No)
Number of Bursts in Trial:			20			
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	2	78.2	20	1168	-	161829
2	2	74.9	20	1588	-	306406
3	1	61.2	20	-	-	452676
4	2	82.7	20	1709	-	595993
5	1	51.1	20	-	-	144214
6	1	64.5	20	-	-	289221
7	2	67.3	20	1027	-	433797
8	2	72.3	20	1851	-	577483
9	3	94.1	20	1774	1634	125506
10	3	83.6	20	1379	1920	269826
11	2	75.9	20	1565	-	415463
12	1	59.5	20	-	-	561971
13	3	84.3	20	1278	1459	107991
14	3	99.6	20	1211	1385	252566
15	1	50.3	20	-	-	398475
16	3	90.1	20	1553	1037	541810
17	2	80.1	20	1331	-	90397
18	3	96.4	20	1707	1994	234250
19	1	55.4	20	-	-	381066
20	2	67.6	20	1662	-	524669

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Trial Number:			17			Detection (Yes/No)
Number of Bursts in Trial:			8			
Chirp Center Frequency:			5493			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	84.7	5	1488	1245	181648
2	1	54.6	5	-	-	545381
3	1	59.1	5	-	-	908641
4	2	70.1	5	1682	-	1270482
5	3	87.7	5	1981	1544	136857
6	1	53.1	5	-	-	500755
7	3	91.3	5	1392	1328	862646
8	1	52.7	5	-	-	1227117
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Trial Number:			18			Detection (Yes/No)
Number of Bursts in Trial:			9			
Chirp Center Frequency:			5493			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	89	6	1728	1842	81868
2	1	57.7	6	-	-	405189
3	3	84.2	6	1650	1176	726745
4	2	78.4	6	1138	-	1050643
5	3	99.1	6	1873	1058	42229
6	2	81.5	6	1107	-	365108
7	3	88	6	1081	1534	686928
8	2	72	6	1013	-	1010418
9	1	54.6	6	-	-	2537
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Trial Number:			19			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	87.3	14	1941	1008	182272
2	2	82	14	1584	-	363653
3	2	82.9	14	1469	-	544596
4	1	66.6	14	-	-	727420
5	1	63.5	14	-	-	160517
6	1	58.2	14	-	-	341972
7	3	89.9	14	1045	1930	521583
8	3	98.9	14	1228	1207	703342
9	1	56.6	14	-	-	138156
10	1	63.2	14	-	-	319830
11	1	61.7	14	-	-	501220
12	1	63.9	14	-	-	683011
13	1	51	14	-	-	115859
14	2	68.3	14	1572	-	296784
15	2	81.4	14	1411	-	477898
16	1	63	14	-	-	660602
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Trial Number:			20			Detection (Yes/No)
Number of Bursts in Trial:			17			
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	61	16	-	-	88030
2	3	93	16	1637	1158	257745
3	2	73.6	16	1914	-	428499
4	1	65.7	16	-	-	600221
5	3	91.2	16	1440	1982	66681
6	3	95.1	16	1826	1501	236808
7	3	98.1	16	1902	1631	406438
8	2	73.3	16	1381	-	578071
9	1	64.6	16	-	-	45911
10	2	83.3	16	1925	-	216222
11	3	86.4	16	1308	1017	386414
12	3	99.5	16	1540	1710	555957
13	3	97.6	16	1039	1514	24780
14	1	60.4	16	-	-	195626
15	1	52.8	16	-	-	366336
16	1	61.5	16	-	-	537297
17	2	78.4	16	1134	-	3826
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Trial Number:			21			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	3	85.5	20	1110	1171	147746
2	3	92.9	20	1157	1674	292298
3	1	64.4	20	-	-	438665
4	2	72.5	20	1695	-	582134
5	1	51	20	-	-	130615
6	2	71.2	20	1966	-	274828
7	3	96.4	20	1528	1069	419051
8	2	69.2	20	1020	-	564793
9	2	71.3	20	1470	-	112329
10	2	81.1	20	1780	-	257217
11	3	89.9	20	1267	1326	401336
12	2	79.6	20	1457	-	546785
13	3	88.9	20	1759	1399	94226
14	3	88	20	1594	1928	238373
15	3	89.5	20	1292	1683	383186
16	1	52.7	20	-	-	530393
17	1	65.3	20	-	-	76901
18	3	88	20	1672	1085	220943
19	3	88.6	20	1607	1509	365330
20	1	64.3	20	-	-	512669

Trial Number:			22			Detection (Yes/No)
Number of Bursts in Trial:			13			
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	1	56.2	11	-	-	90831
2	1	63.5	11	-	-	314541
3	3	92.3	11	1456	1174	536396
4	3	84	11	1418	1321	758980
5	1	59.6	11	-	-	63303
6	1	52	11	-	-	286882
7	2	80.2	11	1289	-	509712
8	2	71.9	11	1624	-	732736
9	3	90.5	11	1733	1036	35696
10	1	51.2	11	-	-	259178
11	3	96.2	11	1730	1296	481201
12	1	60.4	11	-	-	706198
13	1	50.1	11	-	-	8278
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Trial Number:			23			Detection (Yes/No)
Number of Bursts in Trial:			18			
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	3	85.6	17	1130	1600	166524
2	1	65.6	17	-	-	328668
3	2	75.5	17	1577	-	488836
4	2	67	17	1846	-	649735
5	3	90.6	17	1777	1539	146783
6	1	60	17	-	-	308723
7	2	71.8	17	1951	-	468949
8	2	77.3	17	1336	-	630166
9	3	96.5	17	1297	1248	126971
10	2	69.8	17	1390	-	288244
11	1	63.9	17	-	-	449950
12	1	58.1	17	-	-	611655
13	3	93.7	17	1266	1749	107163
14	2	75.7	17	1587	-	268557
15	3	95.4	17	1814	1322	428012
16	3	96.9	17	1405	1664	588527
17	3	96.8	17	1586	1527	87402
18	2	82.2	17	1232	-	248772
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Trial Number:			24			Detection (Yes/No)
Number of Bursts in Trial:			17			
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	2	72.5	16	1003	-	434254
2	1	64.2	16	-	-	605716
3	3	97.2	16	1482	1738	71627
4	2	72.1	16	1904	-	242282
5	2	71.9	16	1210	-	412732
6	1	50.6	16	-	-	584365
7	2	80.4	16	1909	-	50776
8	1	62.8	16	-	-	221649
9	3	99.1	16	1830	1195	391076
10	3	91	16	1803	1202	560695
11	2	74.5	16	1276	-	29824
12	2	78.8	16	1095	-	200355
13	2	70	16	1590	-	370894
14	3	84.9	16	1334	1391	540038
15	2	79.5	16	1520	-	8793
16	2	79.4	16	1984	-	179229
17	1	53.3	16	-	-	350485
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Trial Number:			25			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	72.3	5	1684	-	1107614
2	1	63.9	5	-	-	1472170
3	3	85.7	5	1736	1343	336693
4	2	74.8	5	1654	-	699949
5	2	78	5	1678	-	1063404
6	2	66.7	5	1824	-	1426282
7	3	87.1	5	1740	1903	292027
8	1	59.7	5	-	-	656155
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Trial Number:			26			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	93.7	7	1427	1329	813801
2	2	78.3	7	1721	-	1104139
3	2	75.8	7	1739	-	197981
4	1	65.9	7	-	-	488869
5	2	76.3	7	1926	-	778085
6	3	84.8	7	1164	1032	1068467
7	2	75	7	1599	-	162280
8	3	93.8	7	1712	1896	451739
9	2	69.1	7	1182	-	743320
10	2	73.6	7	1737	-	1032988
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Trial Number:			27			Detection (Yes/No)
Number of Bursts in Trial:			9			
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	96.2	7	1929	1300	140407
2	1	52.9	7	-	-	463659
3	1	63.4	7	-	-	787000
4	3	93.8	7	1833	1506	1106771
5	2	74.9	7	1111	-	100870
6	3	86.6	7	1731	1979	422902
7	2	77.7	7	1492	-	746015
8	1	61	7	-	-	1070110
9	2	80.8	7	1446	-	61107
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Trial Number:			28			Detection (Yes/No)
Number of Bursts in Trial:			15			
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	52.8	13	-	-	230422
2	2	67.6	13	1799	-	423047
3	3	99.9	13	1973	1583	614910
4	2	79	13	1294	-	12793
5	2	78.6	13	1726	-	206158
6	1	64.2	13	-	-	399975
7	2	72.4	13	1862	-	592330
8	2	73.1	13	1628	-	785671
9	2	83	13	1781	-	182240
10	1	61	13	-	-	376516
11	1	57.4	13	-	-	570235
12	3	94.6	13	1970	1335	760596
13	3	97.6	13	1983	1234	158187
14	1	60.1	13	-	-	352389
15	1	62.3	13	-	-	546299
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Trial Number:			29			Detection (Yes/No)
Number of Bursts in Trial:			13			
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	2	78.3	12	1144	-	852610
2	2	72.3	12	1716	-	155498
3	1	54.6	12	-	-	379369
4	3	97	12	1969	1922	600011
5	2	72.7	12	1162	-	825025
6	1	56.1	12	-	-	128149
7	3	99.5	12	1053	1410	350883
8	3	85.1	12	1477	1526	573173
9	1	50.9	12	-	-	798624
10	1	61.2	12	-	-	100600
11	3	83.4	12	1287	1865	322940
12	2	76.5	12	1940	-	546362
13	3	89.9	12	1852	1348	768636
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Trial Number:			30			Detection (Yes/No)
Number of Bursts in Trial:			11			
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	2	78.6	8	1870	-	86300
2	3	89.1	8	1620	1265	349743
3	3	99.2	8	2000	1455	613051
4	3	97.1	8	1096	1893	876400
5	2	66.9	8	1543	-	53832
6	3	85.9	8	1626	1295	317146
7	3	84.2	8	1972	1575	580563
8	3	92.1	8	1829	1474	844110
9	3	93.9	8	1432	1071	21301
10	3	99.3	8	1576	1789	284681
11	3	97.2	8	1670	1225	548379
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Channel 106 Bandwidth 80MHz

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	22	1066.10	938	Yes
2	1	1930.50	518	Yes
3	6	1618.12	618	Yes
4	4	1730.10	578	Yes
5	8	1519.76	658	Yes
6	14	1285.35	778	Yes
7	9	1474.93	678	Yes
8	12	1355.01	738	Yes
9	7	1567.40	638	Yes
10	19	1138.95	878	Yes
11	11	1392.76	718	Yes
12	18	1165.50	858	Yes
13	5	1672.24	598	Yes
14	23	326.16	3066	Yes
15	21	1089.32	918	Yes
16		1166.86	857	Yes
17		1324.50	755	Yes
18		382.41	2615	Yes
19		803.21	1245	Yes
20		566.89	1764	Yes
21		762.78	1311	Yes
22		346.38	2887	Yes
23		388.35	2575	Yes
24		349.65	2860	Yes
25		547.65	1826	Yes
26		378.07	2645	Yes
27		366.84	2726	Yes
28		888.89	1125	Yes
29		1024.59	976	Yes
30		1218.03	821	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	28	4.10	194	Yes
2	26	3.00	175	Yes
3	25	2.30	187	Yes
4	24	1.70	168	Yes
5	28	4.40	154	Yes
6	27	3.50	214	Yes
7	25	2.50	208	Yes
8	26	3.00	156	Yes
9	25	2.70	207	Yes
10	23	1.40	226	Yes
11	26	2.90	190	Yes
12	24	1.70	216	Yes
13	29	5.00	189	Yes
14	24	1.60	159	Yes
15	24	1.60	169	Yes
16	29	5.00	185	Yes
17	23	1.00	179	Yes
18	23	1.40	201	Yes
19	27	3.50	153	Yes
20	27	3.80	182	Yes
21	29	5.00	191	Yes
22	26	2.70	164	Yes
23	28	4.20	155	No
24	28	3.90	227	Yes
25	23	1.20	166	Yes
26	24	1.60	222	Yes
27	24	1.60	150	Yes
28	26	3.30	173	Yes
29	26	2.80	209	Yes
30	24	1.90	211	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	9.10	491	Yes
2	17	8.00	444	Yes
3	17	7.30	394	Yes
4	16	6.70	353	Yes
5	18	9.40	303	Yes
6	17	8.50	216	Yes
7	17	7.50	357	Yes
8	17	8.00	302	Yes
9	17	7.70	285	Yes
10	16	6.40	450	Yes
11	17	7.90	464	Yes
12	16	6.70	454	Yes
13	18	10.00	429	Yes
14	16	6.60	363	Yes
15	16	6.60	298	Yes
16	18	10.00	416	Yes
17	16	6.00	493	Yes
18	16	6.40	469	Yes
19	17	8.50	455	Yes
20	18	8.80	465	Yes
21	18	10.00	390	Yes
22	17	7.70	262	Yes
23	18	9.20	409	Yes
24	18	8.90	480	Yes
25	16	6.20	308	Yes
26	16	6.60	467	Yes
27	16	6.60	389	Yes
28	17	8.30	354	Yes
29	17	7.80	459	Yes
30	16	6.90	236	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	15	17.90	491	Yes
2	14	15.50	444	Yes
3	13	14.00	394	Yes
4	12	12.50	353	Yes
5	16	18.60	303	Yes
6	15	16.60	216	Yes
7	13	14.50	357	Yes
8	14	15.50	302	Yes
9	14	14.80	285	Yes
10	12	12.00	450	Yes
11	14	15.40	464	Yes
12	12	12.70	454	Yes
13	16	19.80	429	Yes
14	12	12.30	363	Yes
15	12	12.40	298	Yes
16	16	19.90	416	Yes
17	12	11.00	493	No
18	12	12.00	469	Yes
19	15	16.60	455	Yes
20	15	17.40	465	Yes
21	16	20.00	390	Yes
22	14	14.90	262	Yes
23	15	18.10	409	Yes
24	15	17.50	480	Yes
25	12	11.40	308	Yes
26	12	12.40	467	Yes
27	12	12.30	389	Yes
28	14	16.10	354	Yes
29	14	15.10	459	Yes
30	13	13.10	236	Yes

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

Trial Number:			1			Detection (Yes/No)
Number of Bursts in Trial:			17			
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	88.3	17	1388	1616	4923
2	2	74.9	17	1613	-	175254
3	2	66.7	17	1673	-	346028
4	1	58.6	17	-	-	517203
5	3	91.8	17	1732	1262	685553
6	2	81	17	1685	-	154291
7	2	69.5	17	1954	-	324571
8	2	74.8	17	1711	-	495124
9	2	71.2	17	1693	-	665453
10	1	55.6	17	-	-	133661
11	2	74.3	17	1384	-	303981
12	1	59.7	17	-	-	475375
13	3	98.9	17	1564	1083	643510
14	1	57.4	17	-	-	112628
15	1	58.2	17	-	-	283673
16	3	99.1	17	1625	1242	452523
17	1	50.3	17	-	-	625070
18						
19						
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Trial Number:			2			Detection (Yes/No)
Number of Bursts in Trial:			14			
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	55.7	12	-	-	111242
2	2	81.2	12	1496	-	318170
3	3	85.3	12	1309	1026	524935
4	3	99.7	12	1143	1757	731581
5	2	71.4	12	1052	-	85658
6	3	89.5	12	1538	1976	291873
7	3	86.2	12	1274	1054	499431
8	1	52.5	12	-	-	707932
9	1	57.9	12	-	-	60154
10	1	57.3	12	-	-	267524
11	2	78.1	12	1841	-	474326
12	2	72.8	12	1156	-	681890
13	1	61.8	12	-	-	34599
14	1	64.6	12	-	-	242108
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DFS Radar Parameters
FCC Radar Type 5
Channel 106 Bandwidth 80MHz

Trial Number:			3			Detection
Number of Bursts in Trial:			12			(Yes/No)
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	67.3	10	1888	-	523783
2	1	51.3	10	-	-	766940
3	3	84.2	10	1743	1666	10505
4	1	61.4	10	-	-	252825
5	3	94.7	10	1472	1787	493022
6	2	78.9	10	1713	-	735458
7	3	100	10	1924	1320	975983
8	2	77.3	10	1513	-	222581
9	2	70.1	10	1279	-	464592
10	1	54.1	10	-	-	707314
11	2	81.7	10	1766	-	947740
12	1	64.1	10	-	-	193028
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Trial Number:			4			Detection
Number of Bursts in Trial:			10			(Yes/No)
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	55.7	7	-	-	522304
2	3	97.9	7	1860	1573	810437
3	1	53.7	7	-	-	1103410
4	1	65.8	7	-	-	195937
5	1	63.2	7	-	-	486685
6	1	65.1	7	-	-	777277
7	3	98	7	1962	1025	1065193
8	1	56.9	7	-	-	160161
9	3	92.9	7	1374	1484	449653
10	2	78.5	7	1745	-	740582
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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:			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	1	51	18	-	-	572411
2	2	76.9	18	1489	-	68864
3	2	66.8	18	1985	-	229539
4	3	85.4	18	1521	1051	390087
5	2	80.6	18	1135	-	551898
6	1	56.1	18	-	-	49126
7	3	83.9	18	1161	1048	209769
8	2	73.6	18	1059	-	371007
9	3	91.4	18	1126	1106	531322
10	1	52	18	-	-	29246
11	1	59.4	18	-	-	190693
12	3	91	18	1778	1802	350264
13	1	56.9	18	-	-	512893
14	1	58.4	18	-	-	9370
15	1	64.7	18	-	-	170821
16	3	96.1	18	1536	1373	330681
17	1	63.6	18	-	-	493541
18	2	70.2	18	1121	-	653788
19						
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Trial Number:			6			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	1	50.3	14	-	-	169814
2	2	78.4	14	1315	-	350681
3	1	61	14	-	-	532905
4	2	81.1	14	1541	-	713160
5	2	68	14	1253	-	147045
6	1	57.3	14	-	-	328853
7	3	83.8	14	1939	1113	508420
8	3	88.3	14	1116	1118	690115
9	3	98.9	14	1676	1640	124496
10	3	92.2	14	1667	1762	305302
11	3	94.2	14	1093	1869	485911
12	1	62.9	14	-	-	669271
13	2	74.8	14	1180	-	102432
14	1	54.9	14	-	-	284102
15	2	71.8	14	1464	-	464553
16	3	88.8	14	1044	1155	645095
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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:			13			
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	50.2	11	-	-	98819
2	1	57.2	11	-	-	322368
3	3	94.7	11	1319	1560	544360
4	1	59.2	11	-	-	769508
5	3	98.3	11	1519	1510	71104
6	3	93.9	11	1447	1589	293913
7	3	93.5	11	1752	1504	516634
8	3	96.6	11	1222	1005	739859
9	1	62.7	11	-	-	43782
10	2	79.7	11	1944	-	266731
11	1	54.7	11	-	-	490853
12	1	64.7	11	-	-	714178
13	3	90.9	11	1471	1808	16196
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Trial Number:			8			Detection (Yes/No)
Number of Bursts in Trial:			14			
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	95.4	12	1327	1064	222030
2	1	51	12	-	-	430282
3	2	67.1	12	1878	-	635894
4	1	51.5	12	-	-	844916
5	2	77.8	12	1535	-	196758
6	1	56.5	12	-	-	404555
7	1	64.4	12	-	-	612008
8	2	67.4	12	1988	-	817422
9	2	69.9	12	1145	-	171170
10	1	58.9	12	-	-	379093
11	1	59.5	12	-	-	586816
12	1	51.6	12	-	-	794370
13	3	92.3	12	1223	1394	145519
14	1	57.3	12	-	-	353383
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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:			13			
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	91.7	11	1355	1953	602078
2	2	79.5	11	1247	-	826988
3	2	78.4	11	1291	-	129433
4	2	77.2	11	1689	-	352611
5	1	54.5	11	-	-	576668
6	2	69.2	11	1957	-	798203
7	2	68.1	11	1141	-	101927
8	1	58.1	11	-	-	325483
9	1	57.5	11	-	-	548937
10	1	51.4	11	-	-	772571
11	1	54.3	11	-	-	74544
12	2	71.9	11	1252	-	297830
13	1	56.5	11	-	-	521783
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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	84.9	6	1619	1906	1073588
2	1	64.5	6	-	-	67967
3	2	68.3	6	1375	-	390495
4	3	88.4	6	1007	1542	712425
5	1	52.5	6	-	-	1036972
6	2	69	6	1148	-	28179
7	3	97.5	6	1692	1907	350212
8	1	53.4	6	-	-	674332
9	3	91.1	6	1522	1183	995516
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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:			14			
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	2	77	12	1149	-	846766
2	1	61.4	12	-	-	200002
3	3	97.1	12	1250	1467	406377
4	3	98.4	12	1567	1314	613354
5	1	57.3	12	-	-	822567
6	2	71.3	12	1387	-	174311
7	2	80.4	12	1462	-	381340
8	3	98.3	12	1431	1177	587558
9	3	85.2	12	1117	1500	794221
10	1	57.5	12	-	-	148990
11	1	56	12	-	-	356380
12	3	86.6	12	1703	1192	561826
13	1	51.7	12	-	-	771162
14	2	67	12	1717	-	123086
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Trial Number:			12			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	84.4	8	1209	1179	462689
2	1	52.4	8	-	-	754297
3	1	50.2	8	-	-	1044809
4	3	95.6	8	1452	1074	136685
5	2	72.7	8	1377	-	427167
6	3	87.3	8	1190	1746	716342
7	3	93.6	8	1261	1196	1007182
8	1	65.7	8	-	-	101181
9	3	97.2	8	1835	1549	390645
10	1	55.9	8	-	-	682790
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DFS Radar Parameters
FCC Radar Type 5
Channel 106 Bandwidth 80MHz

Trial Number:			13			Detection (Yes/No)
Number of Bursts in Trial:			20			
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	100	20	1877	1956	483164
2	2	79.5	20	1627	-	32590
3	1	52.9	20	-	-	177918
4	1	51.6	20	-	-	323044
5	2	70.6	20	1876	-	466834
6	1	56.9	20	-	-	14787
7	2	82.7	20	1916	-	159301
8	3	94.9	20	1894	1136	303785
9	1	53.8	20	-	-	450539
10	1	50.6	20	-	-	595204
11	1	52.4	20	-	-	142179
12	2	67	20	1189	-	286551
13	2	80.2	20	1090	-	431461
14	1	56.1	20	-	-	577519
15	1	61.9	20	-	-	124155
16	3	96.9	20	1423	1657	268167
17	2	77.8	20	1430	-	413363
18	1	59.2	20	-	-	559348
19	1	66.2	20	-	-	106247
20	3	96.9	20	1816	1635	249892

Trial Number:			14			Detection (Yes/No)
Number of Bursts in Trial:			9			
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	1	65.8	7	-	-	882891
2	2	69.9	7	1801	-	1204214
3	2	83.2	7	1406	-	196569
4	3	97.5	7	1178	1439	518946
5	3	84	7	1285	1191	841026
6	3	85.9	7	1147	1000	1164033
7	1	52.3	7	-	-	157006
8	2	73.5	7	1554	-	479394
9	2	74.7	7	1233	-	802471
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DFS Radar Parameters
FCC Radar Type 5
Channel 106 Bandwidth 80MHz

Trial Number:			15			Detection
Number of Bursts in Trial:			10			(Yes/No)
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	1	66.1	7	-	-	1013243
2	3	97.6	7	1393	1688	105219
3	1	61.2	7	-	-	396203
4	1	64.2	7	-	-	686856
5	3	91.2	7	1623	1881	974648
6	3	98.4	7	1063	1782	69513
7	2	77.8	7	1517	-	359954
8	2	68.4	7	1518	-	650152
9	2	78.7	7	1062	-	940481
10	2	77.7	7	1756	-	33804
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Trial Number:			16			Detection
Number of Bursts in Trial:			20			(Yes/No)
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	2	78.2	20	1168	-	161829
2	2	74.9	20	1588	-	306406
3	1	61.2	20	-	-	452676
4	2	82.7	20	1709	-	595993
5	1	51.1	20	-	-	144214
6	1	64.5	20	-	-	289221
7	2	67.3	20	1027	-	433797
8	2	72.3	20	1851	-	577483
9	3	94.1	20	1774	1634	125506
10	3	83.6	20	1379	1920	269826
11	2	75.9	20	1565	-	415463
12	1	59.5	20	-	-	561971
13	3	84.3	20	1278	1459	107991
14	3	99.6	20	1211	1385	252566
15	1	50.3	20	-	-	398475
16	3	90.1	20	1553	1037	541810
17	2	80.1	20	1331	-	90397
18	3	96.4	20	1707	1994	234250
19	1	55.4	20	-	-	381066
20	2	67.6	20	1662	-	524669

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Trial Number:			17			Detection (Yes/No)
Number of Bursts in Trial:			8			
Chirp Center Frequency:			5493			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	84.7	5	1488	1245	181648
2	1	54.6	5	-	-	545381
3	1	59.1	5	-	-	908641
4	2	70.1	5	1682	-	1270482
5	3	87.7	5	1981	1544	136857
6	1	53.1	5	-	-	500755
7	3	91.3	5	1392	1328	862646
8	1	52.7	5	-	-	1227117
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Trial Number:			18			Detection (Yes/No)
Number of Bursts in Trial:			9			
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	89	6	1728	1842	81868
2	1	57.7	6	-	-	405189
3	3	84.2	6	1650	1176	726745
4	2	78.4	6	1138	-	1050643
5	3	99.1	6	1873	1058	42229
6	2	81.5	6	1107	-	365108
7	3	88	6	1081	1534	686928
8	2	72	6	1013	-	1010418
9	1	54.6	6	-	-	2537
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DFS Radar Parameters
FCC Radar Type 5
Channel 106 Bandwidth 80MHz

Trial Number:			19			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	87.3	14	1941	1008	182272
2	2	82	14	1584	-	363653
3	2	82.9	14	1469	-	544596
4	1	66.6	14	-	-	727420
5	1	63.5	14	-	-	160517
6	1	58.2	14	-	-	341972
7	3	89.9	14	1045	1930	521583
8	3	98.9	14	1228	1207	703342
9	1	56.6	14	-	-	138156
10	1	63.2	14	-	-	319830
11	1	61.7	14	-	-	501220
12	1	63.9	14	-	-	683011
13	1	51	14	-	-	115859
14	2	68.3	14	1572	-	296784
15	2	81.4	14	1411	-	477898
16	1	63	14	-	-	660602
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Trial Number:			20			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	61	16	-	-	88030
2	3	93	16	1637	1158	257745
3	2	73.6	16	1914	-	428499
4	1	65.7	16	-	-	600221
5	3	91.2	16	1440	1982	66681
6	3	95.1	16	1826	1501	236808
7	3	98.1	16	1902	1631	406438
8	2	73.3	16	1381	-	578071
9	1	64.6	16	-	-	45911
10	2	83.3	16	1925	-	216222
11	3	86.4	16	1308	1017	386414
12	3	99.5	16	1540	1710	555957
13	3	97.6	16	1039	1514	24780
14	1	60.4	16	-	-	195626
15	1	52.8	16	-	-	366336
16	1	61.5	16	-	-	537297
17	2	78.4	16	1134	-	3826
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DFS Radar Parameters
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Channel 106 Bandwidth 80MHz

Trial Number:			21			Detection (Yes/No)
Number of Bursts in Trial:			20			
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	3	85.5	20	1110	1171	147746
2	3	92.9	20	1157	1674	292298
3	1	64.4	20	-	-	438665
4	2	72.5	20	1695	-	582134
5	1	51	20	-	-	130615
6	2	71.2	20	1966	-	274828
7	3	96.4	20	1528	1069	419051
8	2	69.2	20	1020	-	564793
9	2	71.3	20	1470	-	112329
10	2	81.1	20	1780	-	257217
11	3	89.9	20	1267	1326	401336
12	2	79.6	20	1457	-	546785
13	3	88.9	20	1759	1399	94226
14	3	88	20	1594	1928	238373
15	3	89.5	20	1292	1683	383186
16	1	52.7	20	-	-	530393
17	1	65.3	20	-	-	76901
18	3	88	20	1672	1085	220943
19	3	88.6	20	1607	1509	365330
20	1	64.3	20	-	-	512669

Trial Number:			22			Detection (Yes/No)
Number of Bursts in Trial:			13			
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	1	56.2	11	-	-	90831
2	1	63.5	11	-	-	314541
3	3	92.3	11	1456	1174	536396
4	3	84	11	1418	1321	758980
5	1	59.6	11	-	-	63303
6	1	52	11	-	-	286882
7	2	80.2	11	1289	-	509712
8	2	71.9	11	1624	-	732736
9	3	90.5	11	1733	1036	35696
10	1	51.2	11	-	-	259178
11	3	96.2	11	1730	1296	481201
12	1	60.4	11	-	-	706198
13	1	50.1	11	-	-	8278
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Trial Number:			23			Detection (Yes/No)
Number of Bursts in Trial:			18			
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	3	85.6	17	1130	1600	166524
2	1	65.6	17	-	-	328668
3	2	75.5	17	1577	-	488836
4	2	67	17	1846	-	649735
5	3	90.6	17	1777	1539	146783
6	1	60	17	-	-	308723
7	2	71.8	17	1951	-	468949
8	2	77.3	17	1336	-	630166
9	3	96.5	17	1297	1248	126971
10	2	69.8	17	1390	-	288244
11	1	63.9	17	-	-	449950
12	1	58.1	17	-	-	611655
13	3	93.7	17	1266	1749	107163
14	2	75.7	17	1587	-	268557
15	3	95.4	17	1814	1322	428012
16	3	96.9	17	1405	1664	588527
17	3	96.8	17	1586	1527	87402
18	2	82.2	17	1232	-	248772
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Trial Number:			24			Detection (Yes/No)
Number of Bursts in Trial:			17			
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	2	72.5	16	1003	-	434254
2	1	64.2	16	-	-	605716
3	3	97.2	16	1482	1738	71627
4	2	72.1	16	1904	-	242282
5	2	71.9	16	1210	-	412732
6	1	50.6	16	-	-	584365
7	2	80.4	16	1909	-	50776
8	1	62.8	16	-	-	221649
9	3	99.1	16	1830	1195	391076
10	3	91	16	1803	1202	560695
11	2	74.5	16	1276	-	29824
12	2	78.8	16	1095	-	200355
13	2	70	16	1590	-	370894
14	3	84.9	16	1334	1391	540038
15	2	79.5	16	1520	-	8793
16	2	79.4	16	1984	-	179229
17	1	53.3	16	-	-	350485
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Trial Number:			25			Detection (Yes/No)
Number of Bursts in Trial:			8			
Chirp Center Frequency:			5567			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	72.3	5	1684	-	1107614
2	1	63.9	5	-	-	1472170
3	3	85.7	5	1736	1343	336693
4	2	74.8	5	1654	-	699949
5	2	78	5	1678	-	1063404
6	2	66.7	5	1824	-	1426282
7	3	87.1	5	1740	1903	292027
8	1	59.7	5	-	-	656155
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Trial Number:			26			Detection (Yes/No)
Number of Bursts in Trial:			10			
Chirp Center Frequency:			5566			Yes
Burst	Number of Pulses	Pulse Width (Microseconds)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Starting Location Within Interval (µsec)
1	3	93.7	7	1427	1329	813801
2	2	78.3	7	1721	-	1104139
3	2	75.8	7	1739	-	197981
4	1	65.9	7	-	-	488869
5	2	76.3	7	1926	-	778085
6	3	84.8	7	1164	1032	1068467
7	2	75	7	1599	-	162280
8	3	93.8	7	1712	1896	451739
9	2	69.1	7	1182	-	743320
10	2	73.6	7	1737	-	1032988
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DFS Radar Parameters
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Trial Number:			27			Detection (Yes/No)
Number of Bursts in Trial:			9			
Chirp Center Frequency:			5566			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	7	1929	1300	140407
2	1	52.9	7	-	-	463659
3	1	63.4	7	-	-	787000
4	3	93.8	7	1833	1506	1106771
5	2	74.9	7	1111	-	100870
6	3	86.6	7	1731	1979	422902
7	2	77.7	7	1492	-	746015
8	1	61	7	-	-	1070110
9	2	80.8	7	1446	-	61107
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Trial Number:			28			Detection (Yes/No)
Number of Bursts in Trial:			15			
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	52.8	13	-	-	230422
2	2	67.6	13	1799	-	423047
3	3	99.9	13	1973	1583	614910
4	2	79	13	1294	-	12793
5	2	78.6	13	1726	-	206158
6	1	64.2	13	-	-	399975
7	2	72.4	13	1862	-	592330
8	2	73.1	13	1628	-	785671
9	2	83	13	1781	-	182240
10	1	61	13	-	-	376516
11	1	57.4	13	-	-	570235
12	3	94.6	13	1970	1335	760596
13	3	97.6	13	1983	1234	158187
14	1	60.1	13	-	-	352389
15	1	62.3	13	-	-	546299
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DFS Radar Parameters
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Trial Number:			29			Detection (Yes/No)
Number of Bursts in Trial:			13			
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	78.3	12	1144	-	852610
2	2	72.3	12	1716	-	155498
3	1	54.6	12	-	-	379369
4	3	97	12	1969	1922	600011
5	2	72.7	12	1162	-	825025
6	1	56.1	12	-	-	128149
7	3	99.5	12	1053	1410	350883
8	3	85.1	12	1477	1526	573173
9	1	50.9	12	-	-	798624
10	1	61.2	12	-	-	100600
11	3	83.4	12	1287	1865	322940
12	2	76.5	12	1940	-	546362
13	3	89.9	12	1852	1348	768636
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Trial Number:			30			Detection (Yes/No)
Number of Bursts in Trial:			11			
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	78.6	8	1870	-	86300
2	3	89.1	8	1620	1265	349743
3	3	99.2	8	2000	1455	613051
4	3	97.1	8	1096	1893	876400
5	2	66.9	8	1543	-	53832
6	3	85.9	8	1626	1295	317146
7	3	84.2	8	1972	1575	580563
8	3	92.1	8	1829	1474	844110
9	3	93.9	8	1432	1071	21301
10	3	99.3	8	1576	1789	284681
11	3	97.2	8	1670	1225	548379
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