

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT



Applicant: Axon Enterprise, Inc.
17800 N 85th St, Scottsdale, AZ 85255, United States
Manufacturer: Axon Enterprise, Inc.
17800 N 85th St, Scottsdale, AZ 85255, United States
Product Name: Fleet Hub
Brand Name: Axon
Model No.: AX1033
Model Difference: N/A
Report Number: ER/2022/30018
FCC ID X4GS01405B
Date of EUT Received: N/A, For more detail please refer to page10
Date of Test: N/A, For more detail please refer to page10
Issue Date: April 18, 2022

Approved By

Jim Chang

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10:2013 and the energy emitted by the sample EUT comply with FCC rule part §15.407.

The results of this report relate only to the sample identified in this report.

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
ER/2022/30018	00	Original	April 18, 2022	Yuri Tsai	

Note:

- 1、The remark "*" indicates modification of the report upon requests from certification body.
- 2、Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

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1 GENERAL INFORMATION

1.1 Product Description

Product Name:	Fleet Hub
Brand Name:	Axon
Model No.:	AX1033
Model Difference:	N/A
Operation mode	Master equipment
DFS SW version:	Please refer to DFS FW version print screen as below.
Hardware Version:	X3
Firmware Version:	IG2.DVT.1.2s
EUT Series No.:	X70322225
Power Supply:	12Vdc from Car battery

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DFS FW version:

```
COM15 - Tera Term VT
File Edit Setup Control Window Help
^Croot@OpenWrt:/#
root@OpenWrt:/# iperf -c 192.168.1.142 -b 2.2M -u -i 1 -t 30000
WARNING: option -b implies udp testing
-----
Client connecting to 192.168.1.142, UDP port 5001
Sending 1470 byte datagrams
UDP buffer size: 160 KByte (default)
-----
[ 3] local 192.168.1.1 port 56022 connected with 192.168.1.142 port 5001
[ ID] Interval Transfer Bandwidth
[ 3] 0.0- 1.0 sec 270 KBytes 2.21 Mbits/sec
[ 3] 1.0- 2.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 2.0- 3.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 3.0- 4.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 4.0- 5.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 5.0- 6.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 6.0- 7.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 7.0- 8.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 8.0- 9.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 9.0-10.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 10.0-11.0 sec 270 KBytes 2.21 Mbits/sec
[ 3] 11.0-12.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 12.0-13.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 13.0-14.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 14.0-15.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 15.0-16.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 16.0-17.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 17.0-18.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 18.0-19.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 19.0-20.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 20.0-21.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 21.0-22.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 22.0-23.0 sec 270 KBytes 2.21 Mbits/sec
[ 3] 23.0-24.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 24.0-25.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 25.0-26.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 26.0-27.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 27.0-28.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 28.0-29.0 sec 268 KBytes 2.20 Mbits/sec
[ 3] 29.0-30.0 sec 268 KBytes 2.20 Mbits/sec
^C[ 3] 0.0-30.8 sec 8.09 MBytes 2.20 Mbits/sec
[ 3] Sent 5768 datagrams
^Croot@OpenWrt:/#
root@OpenWrt:/# vi /etc/config/wireless
root@OpenWrt:/# iwpriv ath2 he_mcs 0
root@OpenWrt:/# iwconfig ath2
ath2 IEEE 802.11axa ESSID:"IG2_5GHX70322225"
Mode:Master Frequency:5.5 GHz Access Point: 00:25:DF:33:E9:7B
Bit Rate:17.727 Mb/s Tx-Power=16 dBm
RTS thr:off Fragment thr:off
Encryption key:off
Power Management:off
Link Quality=0/94 Signal level=-94 dBm Noise level=-94 dBm
Rx invalid nwid:0 Rx invalid crypt:0 Rx invalid frag:0
Tx excessive retries:0 Invalid misc:0 Missed beacon:0

root@OpenWrt:/#
root@OpenWrt:/# cat /etc/ig2/version
IG2.DVT.1.2
root@OpenWrt:/#
```

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1.2 WLAN 5GHz: CDD

Wi-Fi 802.11	Frequency Range	Channels	Rated Power (Avg.) (dBm) (Worst case)	Modulation Technology
a	5150~5250	4	23.29	OFDM
	5250~5350	4	22.92	
	5470~5725	12	22.35	
	5725~5850	5	29.09	
n_HT/ ac_VHT 20M	5150~5250	4	HT: 23.15	OFDM
	5250~5350	4	HT: 23.11	
	5470~5725	12	HT: 22.70	
	5725~5850	5	HT: 28.95	
ax_HE 20M	5150~5250	4	23.50	OFDMA
	5250~5350	4	23.45	
	5470~5725	12	22.89	
	5725~5850	5	29.94	
n_HT/ ac_VHT 40M	5150~5250	2	HT: 23.28	OFDM
	5250~5350	2	HT: 23.52	
	5470~5725	5	HT: 23.47	
	5725~5850	2	HT: 28.09	
ax_HE 40M	5150~5250	2	23.40	OFDMA
	5250~5350	2	23.14	
	5470~5725	5	23.13	
	5725~5850	2	28.06	
ac_VHT 80M	5150~5250	1	22.71	OFDM
	5250~5350	1	21.05	
	5470~5725	2	23.32	
	5725~5850	1	23.55	
ax_HE 80M	5150~5250	1	22.10	OFDMA
	5250~5350	1	20.65	
	5470~5725	2	23.48	
	5725~5850	1	23.81	

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Beamforming

Wi-Fi 802.11	Frequency Range	Channels	Rated Power (Avg.) (dBm) (Worst case)	Modulation Technology
n_HT/ ac_VHT 20M	5150~5250	4	HT: 20.52	OFDM
	5250~5350	4	HT: 20.48	
	5470~5725	12	HT: 19.82	
	5725~5850	5	HT: 26.47	
ax_HE 20M	5150~5250	4	20.66	OFDMA
	5250~5350	4	20.66	
	5470~5725	12	19.93	
	5725~5850	5	27.53	
n_HT/ ac_VHT 40M	5150~5250	2	HT: 20.39	OFDM
	5250~5350	2	HT: 20.54	
	5470~5725	5	HT: 20.49	
	5725~5850	2	HT: 24.84	
ax_HE 40M	5150~5250	2	20.43	OFDMA
	5250~5350	2	20.28	
	5470~5725	5	20.20	
	5725~5850	2	24.84	
ac_VHT 80M	5150~5250	1	19.72	OFDM
	5250~5350	1	18.23	
	5470~5725	2	20.56	
	5725~5850	1	20.80	
ax_HE 80M	5150~5250	1	19.27	OFDMA
	5250~5350	1	17.94	
	5470~5725	2	20.53	
	5725~5850	1	20.74	

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1.3 Test Methodology of Applied Standards

FCC Part 15, Subpart E §15.407

FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

1.4 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number	IC CAB identifier
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan.	SAC 1	TW0027	TW3702
		SAC 3		
		Conduction 1		
		Conducted 1		
		Conducted 2		
		Conducted 3		
		Conducted 4		
		Conducted 5		
		Conducted 6		
	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333	Conduction A	TW0028	
		SAC C		
		SAC D		
		SAC G		
		Conducted A		
		Conducted B		
		Conducted C		
		Conducted D		
		Conducted E		
		Conducted F		
		Conducted G		
Note: Test site name is remarked on the equipment list in each section of this report as an indication where measurements occurred in specific test site and address.				

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1.5 Special Accessories

There are no special accessories used while test was conducted.

1.6 Equipment Modifications

There was no modification incorporated into the EUT.

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2 SUMMARY OF TEST RESULT

FCC Rules	Description Of Test	Result
§15.407(h) FCC KDB 905462 D02	TPC and DFS Measurement	Compliant

Note

1. The test data under original FCC ID: X4GS01405 and test report number ER/2021/20086 is being referenced in this report.
2. The change of the BT module does not affect the test results of DFS and no test is required after technical judgment.

3 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
TPC and DFS Measurement	+/- 0.89 Hz
Temperature	+/- 0.4 °C
Humidity	+/- 3.5 %
DC / AC Power Source	DC= +/- 1%, AC= +/- 1%

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

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4 TPC AND DFS MEASUREMENT

4.1 TPC: Standard Applicable

According to §15.407(h)(1), Transmit power control (TPC). U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

Result: N/A, The output power is less than 500mW.

4.2 DFS: Standard Applicable

According to §15.407(h)(2) and FCC KDB 905462 D02, Radar Detection Function of Dynamic Frequency Selection (DFS).

Radar Detection Function of Dynamic Frequency Selection (DFS). U-NII devices operating with any part of its 26 dB emission bandwidth in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems. Operators shall only use equipment with a DFS mechanism that is turned on when operating in these bands. The device must sense for radar signals at 100 percent of its emission bandwidth. The minimum DFS detection threshold for devices with a maximum e.i.r.p. of 200 mW to 1 W is -64 dBm. For devices that operate with less than 200 mW e.i.r.p. and a power spectral density of less than 10 dBm in a 1 MHz band, the minimum detection threshold is -62 dBm. The detection threshold is the received power averaged over 1 microsecond referenced to a 0 dBi antenna. For the initial channel setting, the manufacturers shall be permitted to provide for either random channel selection or manual channel selection.

- (i) Operational Modes. The DFS requirement applies to the following operational modes:
 - (a) The requirement for channel availability check time applies in the master operational mode.
 - (b) The requirement for channel move time applies in both the master and slave operational modes.
- (ii) Channel Availability Check Time. A U-NII device shall check if there is a radar system already operating on the channel before it can initiate a transmission on a channel and when it has to move to a new channel. The U-NII device may start using the channel if no radar signal with a power level greater than the interference threshold values listed in paragraph (h)(2) of this section, is detected within 60 seconds.
- (iii) Channel Move Time. After a radar's presence is detected, all transmissions shall cease on the operating channel within 10 seconds. Transmissions during this period shall consist of normal traffic for a maximum of 200 ms after detection of the radar signal. In addition, intermittent management and control signals can be sent during the remaining time to facilitate vacating the operating channel.

Non-occupancy Period. A channel that has been flagged as containing a radar system,

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either by a channel availability check or in-service monitoring, is subject to a non-occupancy period of at least 30 minutes. The non-occupancy period starts at the time when the radar system is detected.

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5 APPLICABLE STANDARDS

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 Band-width	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	Master Device or Client with Radar Detection	Client Without Radar Detection
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission time	Yes	Yes
Channel Move time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

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Additional requirements for devices with multiple bandwidth mode	Master Device 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.		

Table 3: Interference Threshold values, Master or Client incorporating In-Service Monitoring

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP \geq 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

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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 U-NII 99% transmission power bandwidth. See Note 3.
<p>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.</p> <p>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 a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.</p> <p>Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.</p>	

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Table 5: Radar Test Waveforms
Short Pulse Radar

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	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	Roundup $\left\lceil \frac{1}{360} \cdot \frac{19 \cdot 10^6}{PRI_{\mu sec}} \right\rceil$	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.					

Long Pulse Radar

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

Frequency Hopping Radar

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

The applicant of this given application confirms that information regarding the parameters of the detected Radar Waveforms is not available to the end user.

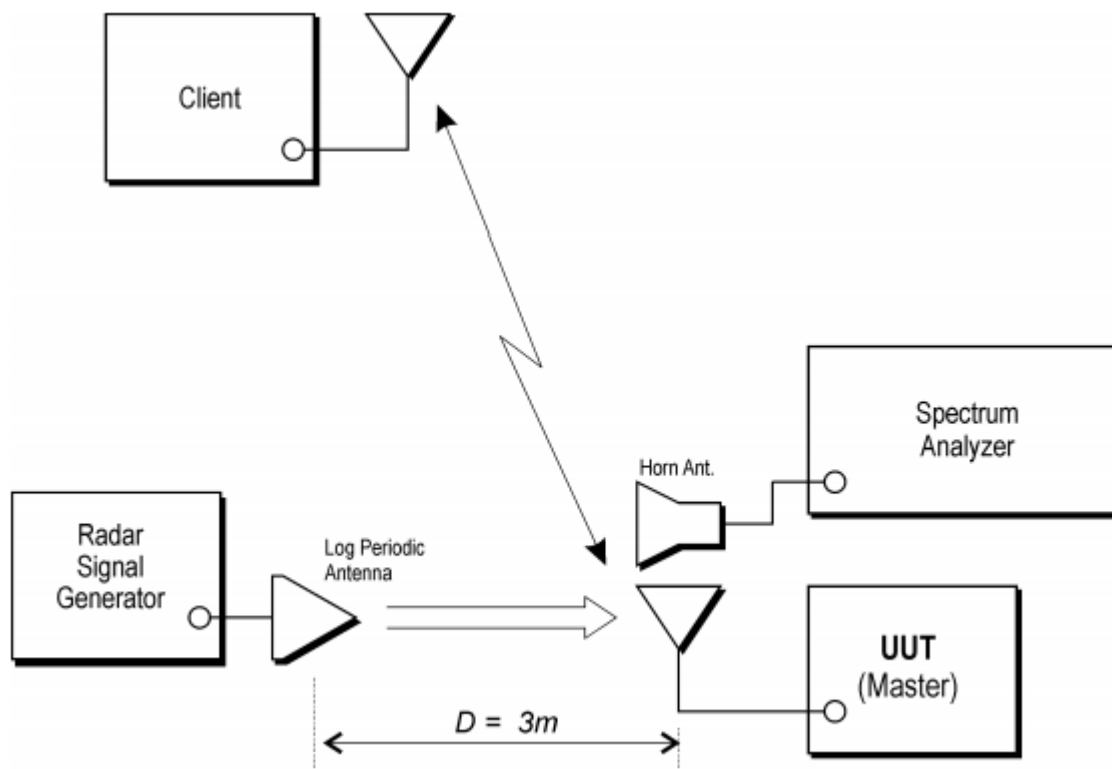
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6 TEST SETUP

Setup for Master with injection at the Master



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7 TEST EQUIPMENT USED:

Radiated Emission Test Site: FAC I I I					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Horn antenna	ETS.LINDGREN	3117	00139056	11/23/2020	11/22/2021
Horn antenna	ETS.LINDGREN	3117	00123995	02/05/2021	02/04/2022
Signal Generator	KEYSIGHT	N5182B	MY59100743	06/26/2020	06/25/2021
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY59071541	06/26/2020	06/25/2021

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8 DESCRIPTION OF EUT:

EUT operates over below frequency ranges.

UNII-Band	
<input type="checkbox"/>	UNII-2A (5250-5350 MHz)
<input checked="" type="checkbox"/>	UNII-2C (5470-5725 MHz)

And is a Master device with radar detection and DFS capability

The EUT utilizes below architecture and nominal channel bandwidths.

802.11	20M	40M	80M	160M
a	<input checked="" type="checkbox"/>	N/A	N/A	N/A
n	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	N/A
ac	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ax	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Timing plots are required with calculations demonstrating a minimum channel loading of approximately 17% or greater.

The rated output power of the master unit is <23 dBm(EIRP).therefore the required interference threshold level is -62dBm.after correction for antenna gain and procedural adjustments, the required threshold at the antenna port is -62dBm.

While calibrate the path on antenna port of DFS test equipment (master), measurements equipments (spectrum) is ensured to be 50 Ohms, and therefore verification on antenna gain measurement can be ignored.

The EUT uses one transmitter/receiver chains and one receive only chain, each connected to an antenna to perform radiated tests.

The Slave device associated with the EUT during these tests does not have radar detection capability.

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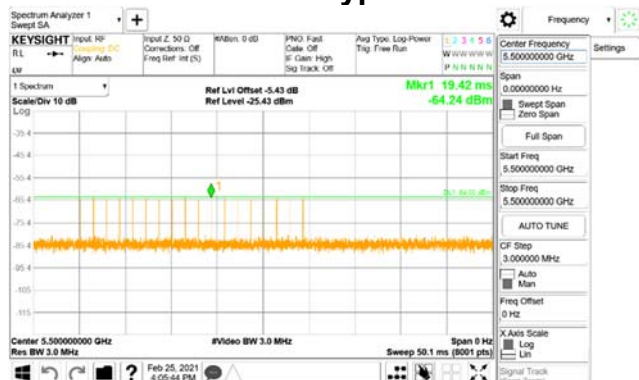
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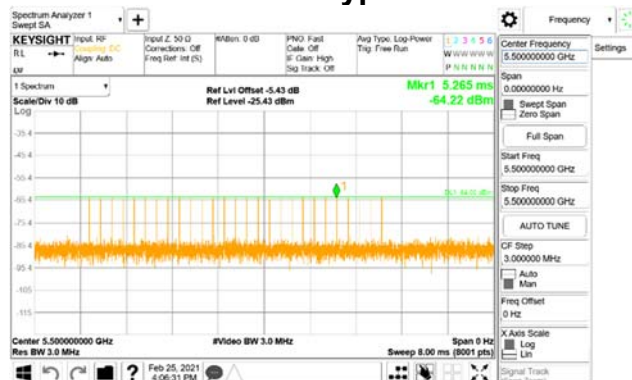
9 RADAR TYPE WAVEFORM CALIBRATION AT DFS DECTION THESHOLD

9.1 5500MHz

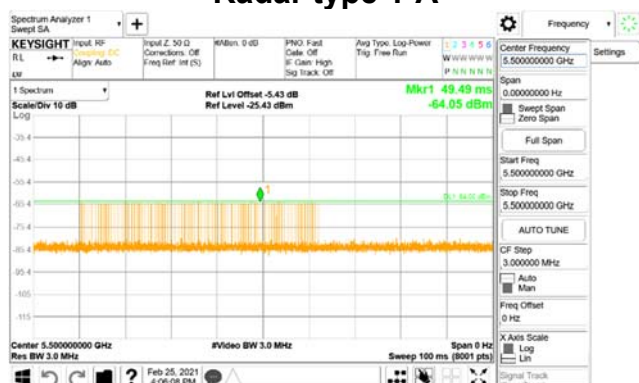
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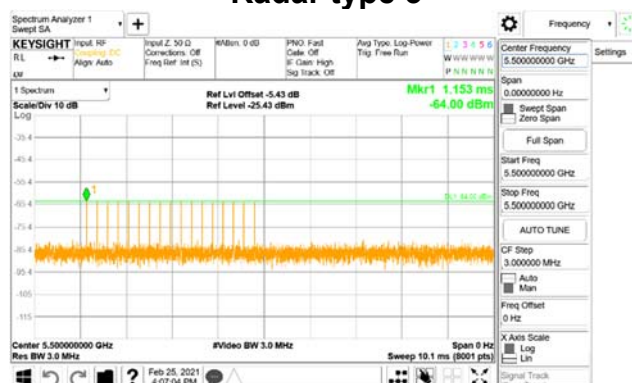
Radar type 2



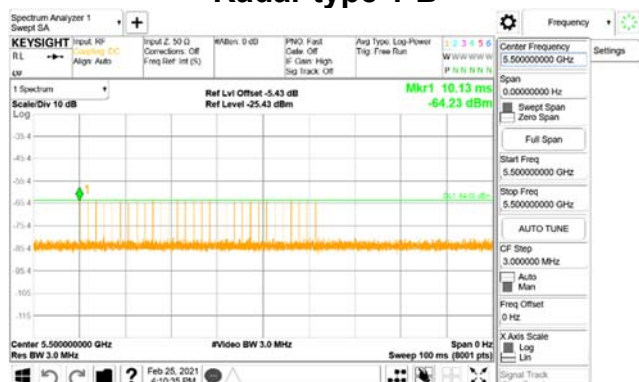
Radar type 1-A



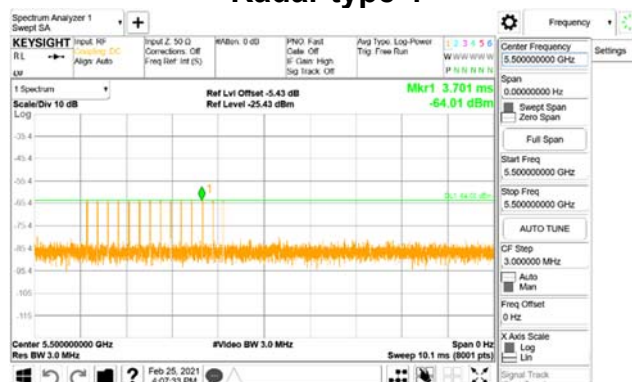
Radar type 3



Radar type 1-B



Radar type 4



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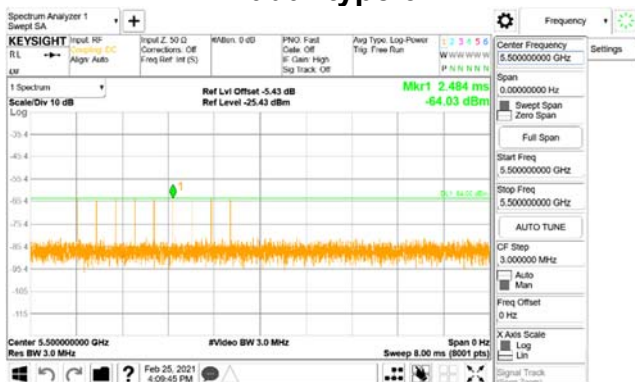
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Radar type 5



Radar type 6



WLAN traffic



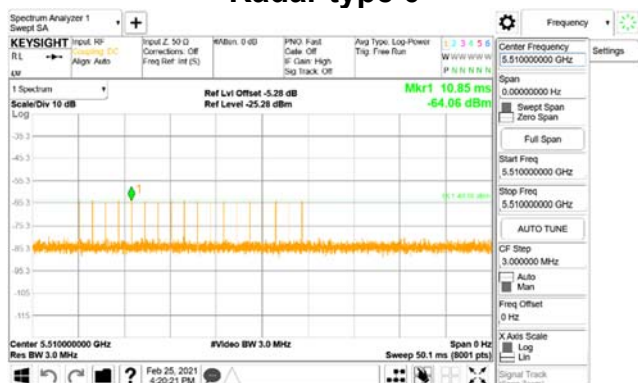
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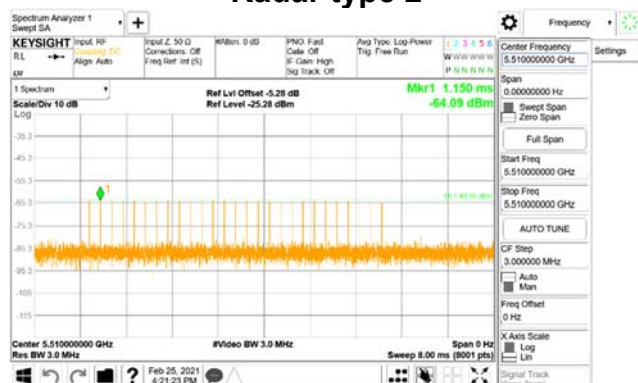
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9.2 5510MHz

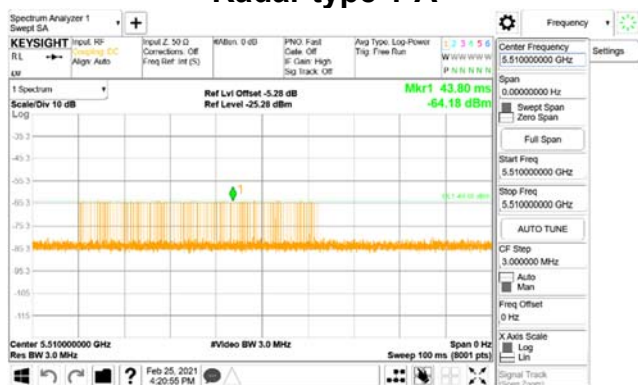
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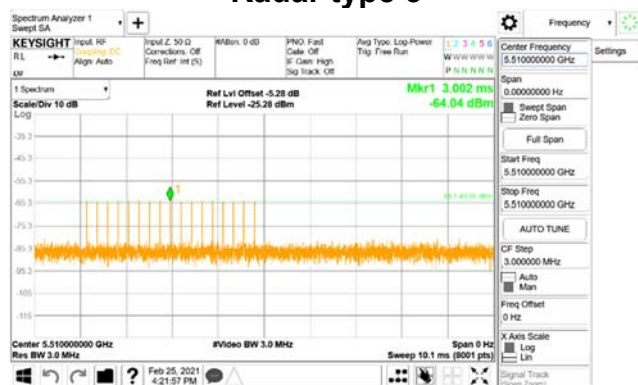
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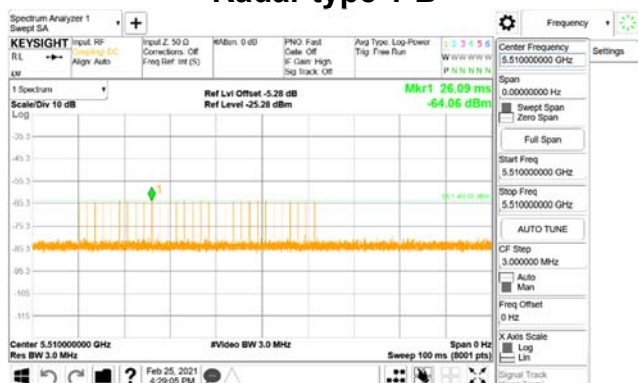
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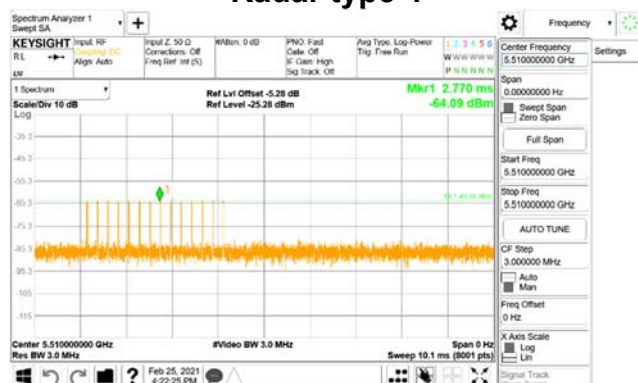
Radar type 3



Radar type 1-B



Radar type 4



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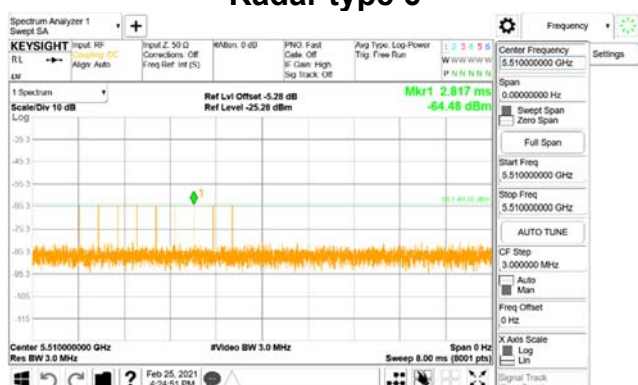
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Radar type 5



Radar type 6



WLAN traffic



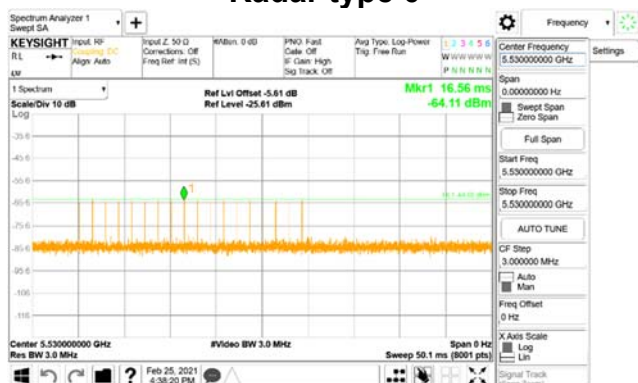
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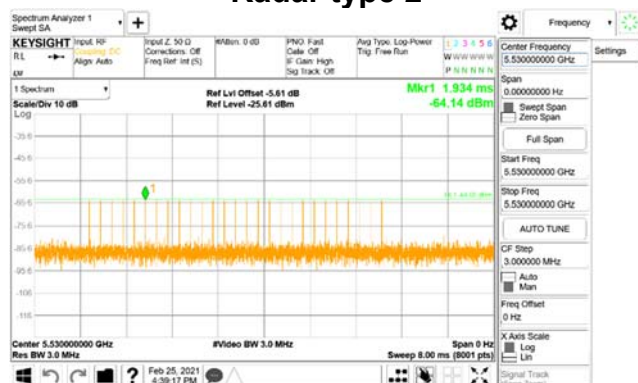
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9.3 5530MHz

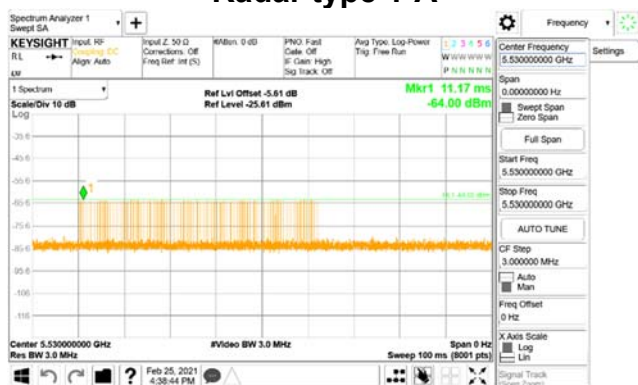
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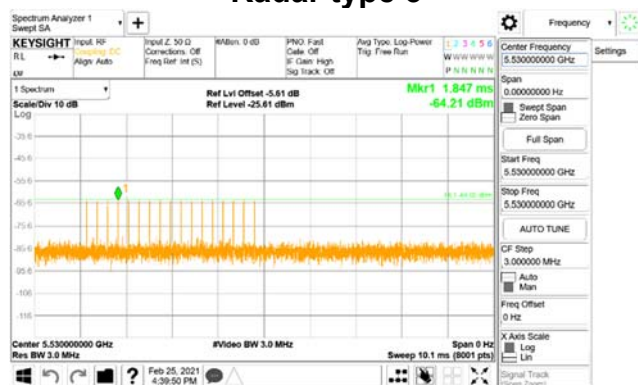
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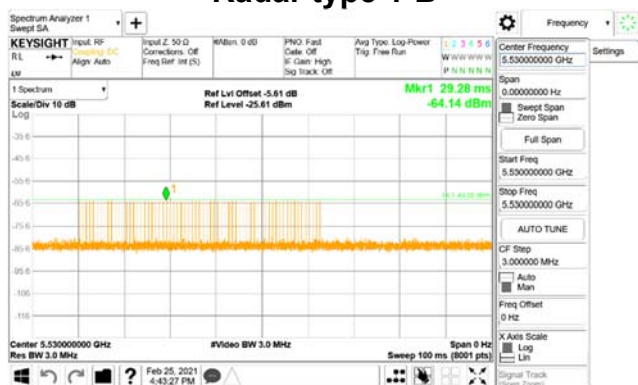
Radar type 1-A



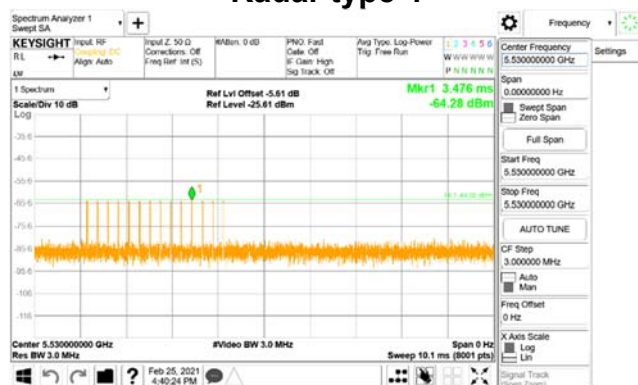
Radar type 3



Radar type 1-B



Radar type 4

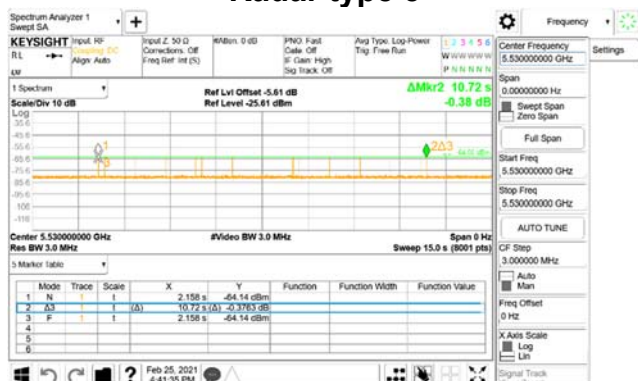


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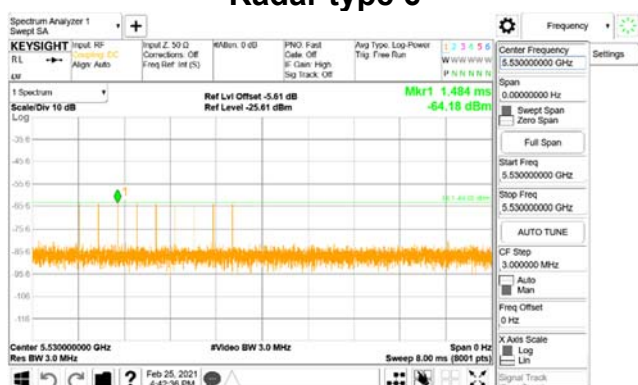
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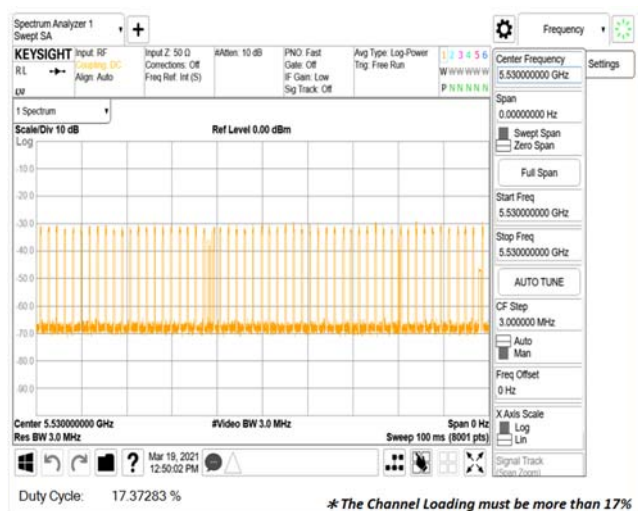
Radar type 5



Radar type 6



WLAN traffic



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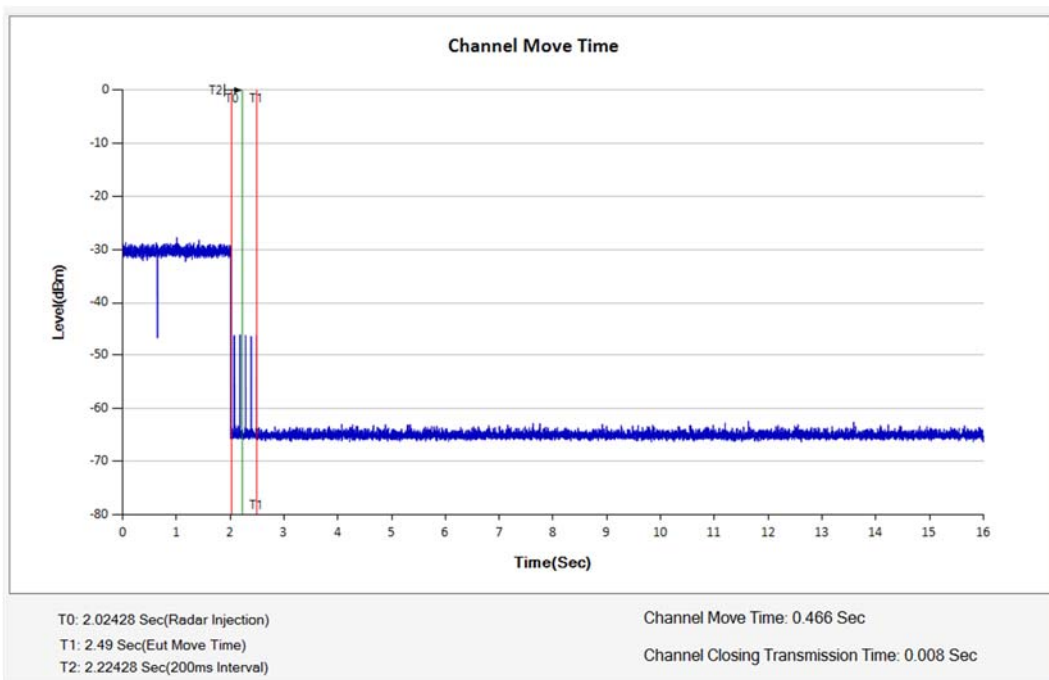
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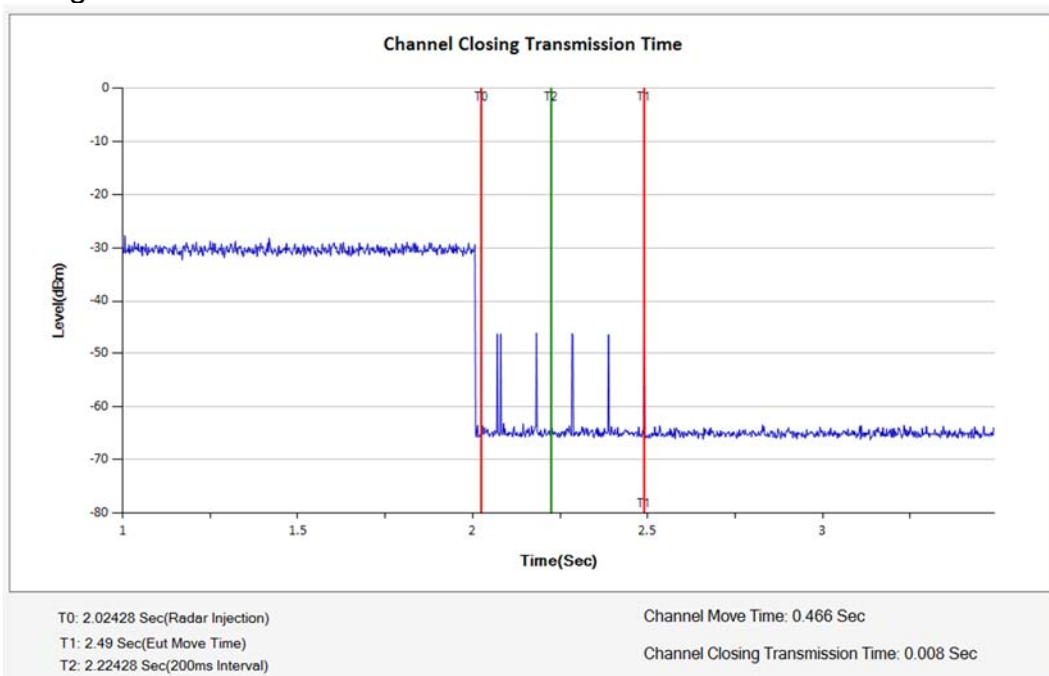
10 CHANNEL CLOSING TRANSMISSION AND CHANNEL MOVE TIME MEASUREMENT (RADAR TYPE 0)

10.1 5530MHz

Channel Move Time



Channel Closing Transmission Time



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11 NON-OCCUPANCY PERIOD MEASUREMENT

To verify whether channel is unavailable to be operated in 30 minutes.

$1.8\text{ks} = 1800\text{s} = 1800\text{ s/min} / 60 = 30\text{minute}$

5530MHz



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12 UNII DETECTION BANDWIDTH MEASUREMENT

12.1 Test Result

5500MHz

EUT operating Fre- quency(MHz)	:	5500			EUT 99% Bandwidth(MHz)	:	18.937				
Radar Type	:	Type 0			Detction BW(MHz)	:	20				
Test Result	:	Pass	※	FH:	5510	FL:	5490				
Radio Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5490	1	1	1	1	1	1	1	1	1	1	100
5495	1	1	1	1	1	1	1	1	1	1	100
5500	1	1	1	1	1	1	1	1	1	1	100
5505	1	1	1	1	1	1	1	1	1	1	100
5510	1	1	1	1	1	1	1	1	1	1	100

5510MHz

EUT operating Fre- quency(MHz)	:	5510	EUT 99% Bandwidth(MHz)		:	37.603					
Radar Type	:	Type 0	Detction BW(MHz)		:	40					
Test Result	:	Pass	※	FH:	5530	FL: 5490					
Radio Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5490	1	1	1	1	1	1	1	1	1	1	100
5495	1	1	1	1	1	1	1	1	1	1	100
5500	1	1	1	1	1	1	1	1	1	1	100
5505	1	1	1	1	1	1	1	1	1	1	100
5510	1	1	1	1	1	1	1	1	1	1	100
5515	1	1	1	1	1	1	1	1	1	1	100
5520	1	1	1	1	1	1	1	1	1	1	100
5525	1	1	1	1	1	1	1	1	1	1	100
5530	1	1	1	1	1	1	1	1	1	1	100

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5530MHz

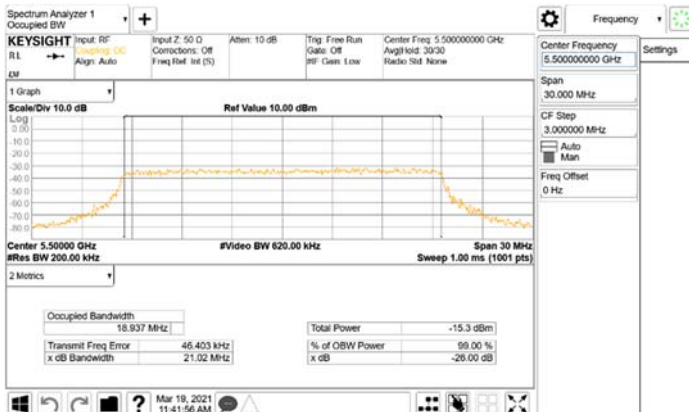
EUT operating Fre- quency(MHz)	:	5530	EUT 99% Bandwidth(MHz)				:	76.675			
Radar Type	:	Type 0	Detction BW(MHz)				:	80			
Test Result	:	Pass	※	FH:	5570	FL:	5490				
Radio Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5490	1	1	1	1	1	1	1	1	1	1	100
5495	1	1	1	1	1	1	1	1	1	1	100
5500	1	1	1	1	1	1	1	1	1	1	100
5505	1	1	1	1	1	1	1	1	1	1	100
5510	1	1	1	1	1	1	1	1	1	1	100
5515	1	1	1	1	1	1	1	1	1	1	100
5520	1	1	1	1	1	1	1	1	1	1	100
5525	1	1	1	1	1	1	1	1	1	1	100
5530	1	1	1	1	1	1	1	1	1	1	100
5535	1	1	1	1	1	1	1	1	1	1	100
5540	1	1	1	1	1	1	1	1	1	1	100
5545	1	1	1	1	1	1	1	1	1	1	100
5550	1	1	1	1	1	1	1	1	1	1	100
5555	1	1	1	1	1	1	1	1	1	1	100
5560	1	1	1	1	1	1	1	1	1	1	100
5565	1	1	1	1	1	1	1	1	1	1	100
5570	1	1	1	1	1	1	1	1	1	1	100

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5500MHz



5510MHz



5530MHz



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13 CHANNEL AVAILABILITY CHECK MEASUREMENT

13.1 5500MHz

The time of channel availability check (60s)

Radar type 0:



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14 INSERVICE MONITORING

14.1 5500MHz:

Short Pulse Radar Type	Minimum Number of Trials	Detection(%)		Minimum Percentage of Successful Detection(%)	Pass/Fail
1	30	96.67		60	Pass
2	30	100		60	Pass
3	30	96.67		60	Pass
4	30	93.33		60	Pass
Aggregate (Radar Types 1-4)	120	96.6675		80	Pass
Long Pulse Radar Type	Minimum Number of Trials	Each Detection(%)	Total Detection(%)	Minimum Percentage of Successful Detection(%)	Pass/Fail
5	Center:10	100	100	80	Pass
	Low Edge:10	100			
	High Edge:10	100			
Frequency Hopping Radar Type	Minimum Number of Trials	Detection(%)		Minimum Percentage of Successful Detection(%)	Pass/Fail
6	30	96.66666667		70	Pass

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14.2 Radar Type 1 for 5500 MHz:

Data Sheet for FCC Radar Type 1

Trial	VSG Frequency (MHz)	Pulse Repetition Frequency	Pulse Repetition Frequency	PRI	Test A/B	Successful Detection
		Number (1 to 23)	(Pulses Per Second)			
1	5500	1	1930.5	518	A	Yes
2	5500	5	1672.2	598	A	Yes
3	5500	3	1792.1	558	A	Yes
4	5500	14	1285.3	778	A	Yes
5	5500	21	1089.3	918	A	Yes
6	5500	18	1165.5	858	A	Yes
7	5500	12	1355	738	A	Yes
8	5500	11	1392.8	718	A	No
9	5500	23	326.2	3066	A	Yes
10	5500	4	1730.1	578	A	Yes
11	5500	20	1113.6	898	A	Yes
12	5500	9	1474.9	678	A	Yes
13	5500	2	1858.7	538	A	Yes
14	5500	16	1222.5	818	A	Yes
15	5500	15	1253.1	798	A	Yes
16	5500	-	563.7	1774	B	Yes
17	5500	-	341.4	2929	B	Yes
18	5500	-	439	2278	B	Yes
19	5500	-	1745.2	573	B	Yes
20	5500	-	587.2	1703	B	Yes
21	5500	-	380.4	2629	B	Yes
22	5500	-	663.1	1508	B	Yes
23	5500	-	340.5	2937	B	Yes
24	5500	-	361.3	2768	B	Yes
25	5500	-	537.6	1860	B	Yes
26	5500	-	1426.5	701	B	Yes
27	5500	-	499.8	2001	B	Yes
28	5500	-	691.1	1447	B	Yes
29	5500	-	465.8	2147	B	Yes
30	5500	-	338.6	2953	B	Yes

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14.3 Radar Type 2 for 5500 MHz:

Data Sheet for FCC Radar Type 2

Trial	VSG Frequency (MHz)	Number Pulses per Burst (23-29)	Pulse Width (1-5)	PRI (150-230)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5500	27	3.4	196	Yes
2	5500	29	5	226	Yes
3	5500	27	3.4	215	Yes
4	5500	24	1.6	179	Yes
5	5500	23	1	164	Yes
6	5500	28	4.4	228	Yes
7	5500	26	3	203	Yes
8	5500	28	4.4	159	Yes
9	5500	29	4.5	151	Yes
10	5500	29	4.7	218	Yes
11	5500	28	4.1	198	Yes
12	5500	24	2	229	Yes
13	5500	27	3.8	197	Yes
14	5500	23	1	194	Yes
15	5500	28	4.4	170	Yes
16	5500	27	3.8	213	Yes
17	5500	27	3.4	150	Yes
18	5500	27	3.3	186	Yes
19	5500	28	4.2	214	Yes
20	5500	26	3.1	168	Yes
21	5500	29	4.6	202	Yes
22	5500	29	4.8	181	Yes
23	5500	24	1.8	174	Yes
24	5500	23	1.2	191	Yes
25	5500	26	2.9	223	Yes
26	5500	27	3.3	176	Yes
27	5500	27	3.4	180	Yes
28	5500	29	4.5	162	Yes
29	5500	23	1.3	220	Yes
30	5500	27	3.3	172	Yes

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14.4 Radar Type 3 for 5500 MHz:

Data Sheet for FCC Radar Type 3

Trial	VSG Frequency (MHz)	Number Pulses per Burst (16-18)	Pulse Width (6-10)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5500	17	8.4	231	Yes
2	5500	18	10	364	Yes
3	5500	17	8.4	207	Yes
4	5500	16	6.6	224	Yes
5	5500	16	6	284	No
6	5500	18	9.4	468	Yes
7	5500	17	8	500	Yes
8	5500	18	9.4	400	Yes
9	5500	18	9.5	418	Yes
10	5500	18	9.7	306	Yes
11	5500	18	9.1	326	Yes
12	5500	16	7	456	Yes
13	5500	18	8.8	476	Yes
14	5500	16	6	324	Yes
15	5500	18	9.4	389	Yes
16	5500	18	8.8	411	Yes
17	5500	17	8.4	314	Yes
18	5500	17	8.3	477	Yes
19	5500	18	9.2	463	Yes
20	5500	17	8.1	480	Yes
21	5500	18	9.6	388	Yes
22	5500	18	9.8	296	Yes
23	5500	16	6.8	374	Yes
24	5500	16	6.2	404	Yes
25	5500	17	7.9	467	Yes
26	5500	17	8.3	424	Yes
27	5500	17	8.4	295	Yes
28	5500	18	9.5	257	Yes
29	5500	16	6.3	361	Yes
30	5500	17	8.3	449	Yes

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14.5 Radar Type 4 for 5500 MHz:

Data Sheet for FCC Radar Type 4

Trial	VSG Frequency (MHz)	Number Pulses per Burst (12-16)	Pulse Width (11-20)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5500	14	16.3	231	Yes
2	5500	16	19.9	364	Yes
3	5500	15	16.5	207	Yes
4	5500	12	12.5	224	No
5	5500	12	11.2	284	Yes
6	5500	16	18.6	468	Yes
7	5500	14	15.4	500	Yes
8	5500	16	18.5	400	Yes
9	5500	16	18.9	418	Yes
10	5500	16	19.3	306	Yes
11	5500	15	18	326	Yes
12	5500	13	13.4	456	Yes
13	5500	15	17.4	476	Yes
14	5500	12	11	324	Yes
15	5500	16	18.6	389	Yes
16	5500	15	17.2	411	Yes
17	5500	14	16.3	314	Yes
18	5500	14	16.2	477	Yes
19	5500	15	18.1	463	Yes
20	5500	14	15.6	480	Yes
21	5500	16	19	388	Yes
22	5500	16	19.6	296	Yes
23	5500	13	12.9	374	Yes
24	5500	12	11.4	404	Yes
25	5500	14	15.3	467	Yes
26	5500	14	16.2	424	Yes
27	5500	14	16.3	295	No
28	5500	16	18.8	257	Yes
29	5500	12	11.8	361	Yes
30	5500	14	16.2	449	Yes

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14.6 Radar Type 5 for 5500 MHz

14.6.1 Trial 1:

Data Sheet for FCC Radar Type 5						
Trial Number:			1	VSG Frequency(MHz):		5500
Number of Bursts in Trial:			15	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.5	14	1743.5		662720
2	3	99.4	14	1577.6	1802.6	59114
3	2	80.5	14	1711.5		252532
4	1	58.3	14			446839
5	1	51.1	14			640616
6	3	92.1	14	1145.9	1353.9	35365
7	2	74.6	14	1589.4		228634
8	3	91.7	14	1369.3	1105.3	421292
9	3	93.8	14	1287.2	1197.2	614320
10	3	96.2	14	1003.8	1125.8	11608
11	3	88.8	14	1383.2	922.2	204585
12	1	63.2	14			399173
13	3	85.3	14	1141.7	1167.7	590969
14	1	50.2	14			786552
15	3	91.9	14	1292.1	985.1	180894

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14.6.2 Trial 2:

Data Sheet for FCC Radar Type 5						
Trial Number:			2		VSG Frequency(MHz):	
Number of Bursts in Trial:			20		Successful Detection:	
					Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	84.3	20	1471.7	1453.7	279491
2	2	79.4	20	1010.6		425883
3	2	78.7	20	1699.3		570091
4	3	89.5	20	1115.5	1791.5	117444
5	2	75.7	20	1487.3		262388
6	3	94.1	20	1532.9	1755.9	406317
7	3	97.5	20	1279.5	1254.5	551147
8	1	60.6	20			100196
9	1	52.6	20			245254
10	2	73.6	20	1694.4		389634
11	2	79	20	1506		534109
12	2	79.5	20	1179.5		82128
13	3	93	20	1806	910	226583
14	1	54.4	20			372511
15	2	78.7	20	1090.3		516930
16	2	71.8	20	1853.2		64305
17	2	69.8	20	1825.2		208934
18	1	62.8	20			354786
19	1	58.9	20			499979
20	2	76.6	20	1071.4		46527

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14.6.3 Trial 3:

Data Sheet for FCC Radar Type 5						
Trial Number:			3	VSG Frequency(MHz):		5500
Number of Bursts in Trial:			15	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	82	14	996		255363
2	2	72.4	14	978.6		448913
3	3	97.1	14	1004.9	1733.9	640492
4	3	92.3	14	1043.7	1133.7	38210
5	1	61.9	14			231851
6	2	74.6	14	1882.4		424858
7	3	99.8	14	901.2	1850.2	617072
8	2	68.7	14	1259.3		14451
9	2	72.3	14	1175.7		207679
10	1	50	14			401990
11	1	52.5	14			595264
12	3	92.1	14	1106.9	1365.9	786509
13	3	89.1	14	1112.9	1343.9	183613
14	3	84.6	14	1903.4	1813.4	376288
15	3	92.5	14	1801.5	1418.5	569026

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14.6.4 Trial 4:

Data Sheet for FCC Radar Type 5						
Trial Number:		4		VSG Frequency(MHz):		5500
Number of Bursts in Trial:		10		Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	69.5	7	1226.5		1147759
2	2	74.5	7	1315.5		240510
3	3	91.4	7	1065.6	1036.6	530657
4	1	53.4	7			822390
5	2	68.6	7	1431.4		1111445
6	2	82	7	1587		204752
7	3	88.7	7	1407.3	1858.3	494357
8	2	77.8	7	1362.2		785343
9	3	84.7	7	1276.3	1325.3	1074067
10	2	72.2	7	1578.8		168955

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14.6.5 Trial 5:

Data Sheet for FCC Radar Type 5						
Trial Number:			5	VSG Frequency(MHz):		5500
Number of Bursts in Trial:			8	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	62.5	5			575087
2	2	81.6	5	1248.4		937605
3	3	87.2	5	979.8	1247.8	1299554
4	1	65	5			166796
5	2	74.4	5	1220.6		529598
6	2	69	5	933		893098
7	1	50.3	5			1257290
8	2	76.3	5	1910.7		121790

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14.6.6 Trial 6

Data Sheet for FCC Radar Type 5						
Trial Number:			6	VSG Frequency(MHz):		
Number of Bursts in Trial:			18	Successful Detection:		
				Yes		
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	73.7	18	1880.3		214981
2	1	59.8	18			377052
3	1	61.8	18			537765
4	2	82.3	18	1718.7		34173
5	3	86.5	18	1707.5	1158.5	194736
6	2	77.6	18	1639.4		355795
7	1	51.1	18			518255
8	3	94.3	18	1305.7	1605.7	14330
9	2	78.7	18	1893.3		175140
10	3	88.3	18	993.7	1307.7	335810
11	1	52.6	18			498699
12	2	71.1	18	970.9		659076
13	3	86.9	18	1058.1	1487.1	155148
14	3	90.4	18	1691.6	1150.6	315623
15	1	58.3	18			478148
16	1	62	18			640211
17	1	59.2	18			135943
18	3	97.3	18	1510.7	1506.7	295706

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14.6.7 Trial 7:

Data Sheet for FCC Radar Type 5						
Trial Number:			7	VSG Frequency(MHz):		5500
Number of Bursts in Trial:			14	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	78.4	12	996.6		589542
2	1	59.3	12			797377
3	3	90.3	12	1730.7	1806.7	148730
4	3	94.6	12	1905.4	1801.4	355325
5	3	93.4	12	1029.6	1748.6	562628
6	3	94.7	12	1814.3	1042.3	768740
7	1	62.4	12			123772
8	2	70.1	12	936.9		330846
9	3	99.4	12	1294.6	1492.6	536865
10	3	93	12	925	1173	744267
11	1	62.5	12			98284
12	1	53.7	12			305689
13	3	98	12	1125	1372	511817
14	2	81	12	1325		719356

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14.6.8 Trial 8:

Data Sheet for FCC Radar Type 5						
Trial Number:			8	VSG Frequency(MHz):		5500
Number of Bursts in Trial:			18	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	52.1	18			56539
2	1	65.7	18			217795
3	1	65.4	18			379417
4	2	74.8	18	1068.2		539448
5	2	80.6	18	1045.4		36564
6	3	87.2	18	1818.8	1902.8	196761
7	3	88.1	18	947.9	1055.9	358003
8	1	63.7	18			520773
9	1	52.3	18			16747
10	2	74.3	18	1772.7		177486
11	1	53.2	18			339491
12	1	50.3	18			500618
13	2	75.2	18	1194.8		660372
14	1	63.6	18			158203
15	3	85.3	18	1323.7	1694.7	318157
16	2	72.2	18	1414.8		479669
17	2	73.3	18	1659.7		640580
18	2	75.2	18	1756.8		137958

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14.6.9 Trial 9:

Data Sheet for FCC Radar Type 5						
Trial Number:			9	VSG Frequency(MHz):		5500
Number of Bursts in Trial:			19	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	55.8	18			283718
2	2	77.1	18	1484.9		435844
3	3	90.7	18	1189.3	1363.3	587055
4	3	91.1	18	1834.9	1220.9	111559
5	3	86.1	18	1310.9	1728.9	263556
6	2	79.1	18	1362.9		416904
7	1	66.5	18			570875
8	2	67.2	18	1505.8		93220
9	2	69.9	18	1139.1		245698
10	1	66.3	18			398934
11	2	78.3	18	1593.7		550179
12	1	58.1	18			74628
13	2	81.8	18	997.2		226945
14	2	75	18	1801		378932
15	3	90.4	18	1729.6	1882.6	529401
16	2	71.6	18	1046.4		55618
17	2	68.9	18	1755.1		208121
18	2	71.1	18	1563.9		360555
19	2	74.9	18	1573.1		512790

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14.6.10 Trial 10:

Data Sheet for FCC Radar Type 5						
Trial Number:			10		VSG Frequency(MHz):	
Number of Bursts in Trial:			19		Successful Detection:	
					Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	83.6	19	1156.4	1402.4	36786
2	2	81.4	19	1841.6		189030
3	2	72	19	1873		341446
4	1	59.2	19			495618
5	1	64.6	19			18101
6	1	57	19			171006
7	1	65.9	19			323898
8	3	91.4	19	1631.6	1195.6	473938
9	3	93	19	1748	1907	625166
10	2	69.4	19	1385.6		151741
11	3	98.8	19	942.2	1284.2	303795
12	3	84.8	19	1560.2	919.2	455788
13	2	77.1	19	1388.9		609337
14	2	69.7	19	1794.3		132925
15	3	87.3	19	1608.7	958.7	284743
16	3	97.9	19	1732.1	1713.1	436026
17	2	70.9	19	999.1		590910
18	3	90.4	19	1359.6	1277.6	113848
19	1	61.1	19			267239

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14.6.11 Trial 11:

Data Sheet for FCC Radar Type 5						
Trial Number:			11	VSG Frequency(MHz):		
Number of Bursts in Trial:			18	Successful Detection:		
				Yes		
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.7	17	1729.3		442542
2	3	86.4	17	1700.6	1365.6	601648
3	1	58.2	17			101016
4	1	63.4	17			262168
5	2	67.3	17	1698.7		422482
6	2	71.7	17	1419.3		583697
7	3	85.5	17	1670.5	1713.5	80640
8	3	94.3	17	1340.7	1643.7	241209
9	3	92.6	17	1013.4	981.4	402276
10	2	78.2	17	1072.8		564450
11	1	60	17			61163
12	1	53.5	17			222579
13	3	94.7	17	1082.3	1122.3	382273
14	1	64.1	17			545278
15	3	97.3	17	1666.7	1199.7	41143
16	3	89.7	17	962.3	1879.3	201825
17	3	93.9	17	914.1	1680.1	362387
18	3	83.8	17	1048.2	1471.2	523042

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14.6.12 Trial 12:

Data Sheet for FCC Radar Type 5						
Trial Number:			12	VSG Frequency(MHz):		5494.1315
Number of Bursts in Trial:			11	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	67.9	9	1563.1		35107
2	2	76	9	1354		298999
3	3	84	9	1220	1140	562150
4	2	70.2	9	1571.8		826375
5	3	87.8	9	1508.2	1219.2	2601
6	2	73.5	9	1667.5		266475
7	3	97.8	9	1531.2	949.2	529885
8	2	71.1	9	1828.9		793963
9	2	81.6	9	1003.4		1058374
10	1	51.1	9			234332
11	3	88.4	9	1660.6	1057.6	496982

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14.6.13 Trial 13:

Data Sheet for FCC Radar Type 5						
Trial Number:			13	VSG Frequency(MHz):		5496.9315
Number of Bursts in Trial:			17	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.6	16	1650.4	1591.4	491001
2	2	77.1	16	988.9		663413
3	2	69.4	16	1906.6		130069
4	2	81.3	16	1226.7		300595
5	1	57.8	16			471951
6	3	91.5	16	1711.5	1727.5	639596
7	3	88.6	16	1661.4	1871.4	108749
8	2	75.3	16	1186.7		279709
9	2	67.9	16	1837.1		449801
10	1	54.7	16			621531
11	3	87.5	16	1372.5	1910.5	87916
12	2	79.2	16	1264.8		258567
13	1	62.7	16			430122
14	2	73.4	16	1761.6		599120
15	1	63.1	16			67270
16	2	83	16	1025		237828
17	1	65.9	16			409146

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14.6.14 Trial 14:

Data Sheet for FCC Radar Type 5						
Trial Number:			14	VSG Frequency(MHz):		5492.5315
Number of Bursts in Trial:			8	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	54.1	5			1233114
2	2	70.6	5	1309.4		98338
3	2	79.9	5	1080.1		461347
4	2	80	5	1429		824495
5	3	93.5	5	963.5	1379.5	1186762
6	1	64.1	5			53640
7	1	53	5			416956
8	1	64.4	5			780619

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14.6.15 Trial 15:

Data Sheet for FCC Radar Type 5						
Trial Number:			15	VSG Frequency(MHz):		5497.7315
Number of Bursts in Trial:			18	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	77.1	18	1138.9		506685
2	1	59.4	18			3942
3	3	98.7	18	1818.3	1485.3	164350
4	3	84.8	18	1135.2	1238.2	325193
5	1	65.7	18			488063
6	3	96.2	18	1674.8	931.8	646717
7	3	90.2	18	1490.8	1608.8	144757
8	3	84.4	18	1049.6	1651.6	305614
9	1	55.8	18			467777
10	3	98	18	1343	1404	626618
11	1	51	18			125478
12	3	90.6	18	1469.4	1260.4	285477
13	2	72.2	18	1697.8		446760
14	3	86.9	18	1312.1	1165.1	607152
15	2	72.7	18	1261.3		105371
16	1	58.6	18			266913
17	1	64.4	18			428276
18	2	75.9	18	1576.1		588295

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14.6.16 Trial 16:

Data Sheet for FCC Radar Type 5						
Trial Number:			16	VSG Frequency(MHz):		5496.5315
Number of Bursts in Trial:			16	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79	15	1325		96385
2	2	80.4	15	1275.6		277596
3	3	96.9	15	1786.1	1494.1	457288
4	2	71.2	15	1164.8		640364
5	3	96.9	15	1508.1	1758.1	73875
6	2	74.6	15	1541.4		255229
7	3	90.6	15	1248.4	1491.4	435347
8	2	81.9	15	966.1		617759
9	2	67	15	1257		51734
10	1	61	15			233198
11	2	71.3	15	1118.7		414119
12	1	58.3	15			596385
13	1	51	15			29446
14	1	63	15			210902
15	1	66.4	15			392295
16	2	66.9	15	1119.1		573244

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14.6.17 Trial 17:

Data Sheet for FCC Radar Type 5						
Trial Number:			17	VSG Frequency(MHz):		5496.1315
Number of Bursts in Trial:			15	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	80.7	14	1502.3		7549
2	2	82.1	14	1416.9		200848
3	3	90	14	1519	1841	393083
4	3	90.6	14	1198.4	933.4	586893
5	1	52.2	14			781968
6	1	58.6	14			177375
7	3	97.4	14	988.6	1347.6	370019
8	3	94.8	14	1757.2	1625.2	562015
9	1	56.8	14			758515
10	2	75.4	14	1104.6		153362
11	1	62	14			347244
12	3	92.4	14	1276.6	1421.6	538959
13	3	93.7	14	1520.3	1173.3	731970
14	2	67.2	14	1295.8		129404
15	3	98	14	1376	1589	322224

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14.6.18 Trial 18:

Data Sheet for FCC Radar Type 5						
Trial Number:			18	VSG Frequency(MHz):		5496.1315
Number of Bursts in Trial:			15	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	71.2	14	1320.8		516098
2	1	65.6	14			711056
3	2	67.6	14	1560.4		105644
4	3	85.1	14	1106.9	1546.9	298267
5	2	72.6	14	999.4		492329
6	2	67.5	14	1557.5		685805
7	1	55.8	14			81982
8	1	62.6	14			275769
9	2	74	14	1525		468393
10	3	94.2	14	1808.8	1348.8	660115
11	3	83.8	14	1341.2	1033.2	57882
12	2	79.1	14	1354.9		251330
13	2	79.1	14	1824.9		444195
14	1	63.1	14			639213
15	3	97.6	14	1097.4	1222.4	34150

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14.6.19 Trial 19:

Data Sheet for FCC Radar Type 5						
Trial Number:			19	VSG Frequency(MHz):		
Number of Bursts in Trial:			18	Successful Detection:		
				Yes		
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	97	17	1152	1159	189075
2	3	88	17	1778	1067	349689
3	2	74.2	17	1247.8		511852
4	1	55.3	17			8644
5	1	56.2	17			170059
6	3	90.7	17	1463.3	1746.3	329731
7	2	68.7	17	1129.3		492024
8	2	73.8	17	1410.2		652286
9	2	73.6	17	1033.4		149766
10	2	70.4	17	1726.6		310583
11	2	83.1	17	1266.9		471723
12	1	52	17			633842
13	1	64.4	17			130266
14	2	71.4	17	1012.6		290875
15	1	62.5	17			452978
16	3	98.2	17	1084.8	1661.8	611442
17	3	88.3	17	976.7	1216.7	110015
18	3	99.9	17	1356.1	1347.1	270620

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14.6.20 Trial 20:

Data Sheet for FCC Radar Type 5						
Trial Number:			20	VSG Frequency(MHz):		5495.7315
Number of Bursts in Trial:			14	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	63.1	13			556985
2	1	50	13			764240
3	3	92.8	13	1560.2	1596.2	115892
4	3	83.5	13	1886.5	1074.5	322714
5	2	78	13	947		530982
6	3	93.9	13	1542.1	1436.1	736408
7	3	99.4	13	1840.6	1047.6	90516
8	2	74.8	13	969.2		298059
9	2	69.4	13	1059.6		505059
10	1	65.9	13			713052
11	3	96.4	13	1146.6	967.6	65087
12	2	68.5	13	1303.5		272279
13	2	79.5	13	1438.5		479185
14	2	68.2	13	1298.8		686483

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14.6.21 Trial 21:

Data Sheet for FCC Radar Type 5						
Trial Number:			21	VSG Frequency(MHz):		
Number of Bursts in Trial:			19	Successful Detection:		
				Yes		
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	81.7	19	1675.3		29156
2	1	59.3	19			181974
3	2	78.5	19	1714.5		333680
4	2	74	19	1328		486495
5	2	68.2	19	1802.8		10387
6	3	88.3	19	1217.7	1476.7	162498
7	1	60.9	19			316285
8	1	57.3	19			469192
9	1	52.4	19			621762
10	3	91.8	19	1234.2	1875.2	143544
11	3	94	19	1739	1264	295655
12	1	64.6	19			450235
13	3	89.5	19	915.5	1615.5	599789
14	1	65.5	19			125570
15	3	91.5	19	1415.5	1795.5	276848
16	3	91.2	19	1761.8	1029.8	429069
17	1	61.4	19			583904
18	3	96	19	1452	977	106315
19	3	95.6	19	924.4	1619.4	258271

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14.6.22 Trial 22:

Data Sheet for FCC Radar Type 5						
Trial Number:			22		VSG Frequency(MHz):	
Number of Bursts in Trial:			20		Successful Detection:	
					Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.3	20	1506.7		390953
2	1	66	20			536503
3	1	63	20			83566
4	1	54.7	20			228585
5	1	63.4	20			373567
6	1	60	20			518984
7	2	80.4	20	1723.6		65463
8	1	55.9	20			210880
9	2	81.5	20	1479.5		354867
10	2	71.2	20	1102.8		500292
11	1	52.8	20			47770
12	2	77.4	20	1201.6		192655
13	1	55.1	20			338057
14	3	91	20	1219	963	481622
15	1	64.9	20			29905
16	2	70.3	20	1596.7		174553
17	1	55	20			320252
18	3	93	20	1714	1252	463224
19	3	88.6	20	1268.4	932.4	11959
20	2	80	20	1828		156759

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14.6.23 Trial 23:

Data Sheet for FCC Radar Type 5						
Trial Number:			23	VSG Frequency(MHz):		5506.2685
Number of Bursts in Trial:			10	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	100	8	1584	1759	603694
2	3	88.9	8	1327.1	1222.1	893887
3	1	55.8	8			1187066
4	3	97.6	8	1377.4	1549.4	278150
5	1	50.9	8			569781
6	3	89.5	8	1286.5	1435.5	857986
7	1	63.4	8			1150528
8	1	54.3	8			243087
9	3	83.8	8	1759.2	1406.2	532117
10	2	83.3	8	1264.7		823833

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14.6.24 Trial 24:

Data Sheet for FCC Radar Type 5						
Trial Number:			24	VSG Frequency(MHz):		5507.4685
Number of Bursts in Trial:			8	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	78.2	5	1735.8		1392615
2	1	54.4	5			259219
3	1	50.3	5			622650
4	2	73	5	1533		985144
5	1	50.2	5			1349865
6	1	52.1	5			214435
7	2	68.7	5	1662.3		577209
8	1	54.6	5			941146

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14.6.25 Trial 25:

Data Sheet for FCC Radar Type 5						
Trial Number:			25	VSG Frequency(MHz):		
Number of Bursts in Trial:			14	Successful Detection:		
				Yes		
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	65	12			745379
2	1	64	12			96929
3	3	87.9	12	1892.1	918.1	303517
4	2	82.3	12	1446.7		511254
5	2	79.5	12	1832.5		717718
6	3	86.1	12	1726.9	1423.9	71068
7	3	99.7	12	1815.3	1019.3	277992
8	1	64.3	12			486396
9	3	88.9	12	1535.1	1893.1	690663
10	2	73.7	12	1102.3		45684
11	2	74.6	12	1104.4		252915
12	3	95.3	12	999.7	1241.7	459755
13	3	86.5	12	948.5	1040.5	666815
14	3	98.2	12	1389.8	1071.8	20152

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14.6.26 Trial 26:

Data Sheet for FCC Radar Type 5						
Trial Number:			26	VSG Frequency(MHz):		5503.8685
Number of Bursts in Trial:			15	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	72.9	14	1537.1		212084
2	1	66	14			406059
3	3	95.6	14	1417.4	1601.4	597776
4	3	90.4	14	1894.6	1211.6	790092
5	1	60.2	14			188634
6	1	65.4	14			382345
7	1	53.8	14			576213
8	2	73.9	14	1594.1		767962
9	3	96.6	14	1859.4	1748.4	163965
10	2	76	14	1584		357548
11	2	72.1	14	1514.9		551111
12	3	98.2	14	1626.8	1771.8	742110
13	3	93.1	14	1198.9	1668.9	140436
14	3	98.4	14	1854.6	1072.6	333362
15	2	77	14	1472		526994

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14.6.27 Trial 27:

Data Sheet for FCC Radar Type 5						
Trial Number:			27	VSG Frequency(MHz):		5503.8685
Number of Bursts in Trial:			15	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	82.2	14	1353.8		720438
2	3	90.7	14	1185.3	1700.3	116626
3	1	62.7	14			310855
4	1	51.6	14			504591
5	1	50.4	14			698421
6	2	78	14	1195		93119
7	2	74.5	14	1618.5		286339
8	3	92.2	14	1149.8	1137.8	478982
9	2	67.6	14	1499.4		672540
10	1	59.3	14			69430
11	2	69.7	14	1452.3		262555
12	3	98	14	1102	1231	455517
13	3	86.6	14	1804.4	1381.4	647811
14	1	50.6	14			45557
15	3	89.7	14	1787.3	1504.3	238008

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14.6.28 Trial 28:

Data Sheet for FCC Radar Type 5						
Trial Number:			28	VSG Frequency(MHz):		5502.2685
Number of Bursts in Trial:			19	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.7	18	1697.3		340340
2	3	88.6	18	1769.4	1690.4	491404
3	3	96.8	18	1691.2	1516.2	17024
4	2	80	18	1145		169458
5	2	81.6	18	1780.4		321904
6	3	84.4	18	1451.6	1816.6	472877
7	2	77.4	18	1613.6		626201
8	1	59.8	18			151072
9	3	91.9	18	1142.1	1102.1	302563
10	1	53.2	18			456785
11	1	50.8	18			609842
12	3	91.1	18	1734.9	964.9	131722
13	2	67.4	18	1458.6		284271
14	1	61.8	18			437573
15	1	60.1	18			591173
16	2	81.4	18	1385.6		113168
17	3	93.1	18	1220.9	1329.9	265250
18	1	51.2	18			419059
19	3	87.4	18	1118.6	1853.6	569225

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14.6.29 Trial 29:

Data Sheet for FCC Radar Type 5						
Trial Number:			29	VSG Frequency(MHz):		5507.0685
Number of Bursts in Trial:			9	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	56.7	6			200001
2	2	83	6	1308		522489
3	1	61.9	6			846350
4	3	93.7	6	1671.3	1482.3	1166393
5	3	86.1	6	1005.9	1351.9	159876
6	2	70.2	6	1318.8		482748
7	3	98.5	6	1105.5	1490.5	804613
8	2	73.9	6	1138.1		1128175
9	2	77.9	6	1159.1		120301

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14.6.30 Trial 30:

Data Sheet for FCC Radar Type 5						
Trial Number:			30	VSG Frequency(MHz):		5503.8685
Number of Bursts in Trial:			15	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	81.1	14	1357.9		265423
2	3	90.6	14	1867.4	1437.4	457686
3	2	67.5	14	1595.5		651592
4	2	67.2	14	1586.8		48253
5	2	73.3	14	1268.7		241501
6	1	56.9	14			435893
7	3	96.4	14	1579.6	1480.6	626508
8	3	83.6	14	1137.4	1840.4	24398
9	1	51.3	14			218181
10	1	63	14			411686
11	2	66.8	14	1677.2		604335
12	3	92.7	14	1608.3	1118.3	647
13	1	54.7	14			194192
14	2	80.9	14	1304.1		387413
15	2	70.8	14	1289.2		580481

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14.7 Radar Type 6 for 5500 MHz:

Data Sheet for FCC Radar Type 6

Trial	Pulse Width	PRI	Pulses per Hop	Hopping Rate	Hopping Sequence Length	Successful Detection
	(μ sec)	(μ sec)		(kHz)	(msec)	(Yes/No)
1	1	333	9	0.333	300	Yes
2	1	333	9	0.333	300	Yes
3	1	333	9	0.333	300	Yes
4	1	333	9	0.333	300	Yes
5	1	333	9	0.333	300	Yes
6	1	333	9	0.333	300	Yes
7	1	333	9	0.333	300	Yes
8	1	333	9	0.333	300	Yes
9	1	333	9	0.333	300	Yes
10	1	333	9	0.333	300	Yes
11	1	333	9	0.333	300	Yes
12	1	333	9	0.333	300	Yes
13	1	333	9	0.333	300	No
14	1	333	9	0.333	300	Yes
15	1	333	9	0.333	300	Yes
16	1	333	9	0.333	300	Yes
17	1	333	9	0.333	300	Yes
18	1	333	9	0.333	300	Yes
19	1	333	9	0.333	300	Yes
20	1	333	9	0.333	300	Yes
21	1	333	9	0.333	300	Yes
22	1	333	9	0.333	300	Yes
23	1	333	9	0.333	300	Yes
24	1	333	9	0.333	300	Yes
25	1	333	9	0.333	300	Yes
26	1	333	9	0.333	300	Yes
27	1	333	9	0.333	300	Yes
28	1	333	9	0.333	300	Yes
29	1	333	9	0.333	300	Yes
30	1	333	9	0.333	300	Yes

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14.8 5510MHz:

Short Pulse Radar Type	Minimum Number of Trials	Detection(%)		Minmum Percentage of Successful Detection(%)	Pass/Fail
1	30	96.67		60	Pass
2	30	100		60	Pass
3	30	100		60	Pass
4	30	96.67		60	Pass
Aggregate (Radar Types 1-4)	120	98.335		80	Pass
Long Pulse Radar Type	Minimum Number of Trials	Each Detection(%)	Total Detection(%)	Minmum Percentage of Successful Detection(%)	Pass/Fail
5	Center:10	100	100	80	Pass
	Low Edge:10	100			
	High Edge:10	100			
Frequency Hopping Radar Type	Minimum Number of Trials	Detection(%)		Minmum Percentage of Successful Detection(%)	Pass/Fail
6	30	100		70	Pass

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14.9 Radar Type 1 for 5510 MHz:

Data Sheet for FCC Radar Type 1						
Trial	VSG Frequency (MHz)	Pulse Repetition Frequency	Pulse Repetition Frequency	PRI	Test A/B	Successful Detection
		Number (1 to 23)	(Pulses Per Second)			
1	5510	1	1930.5	518	A	Yes
2	5510	5	1672.2	598	A	Yes
3	5510	3	1792.1	558	A	Yes
4	5510	14	1285.3	778	A	Yes
5	5510	21	1089.3	918	A	Yes
6	5510	18	1165.5	858	A	Yes
7	5510	12	1355	738	A	Yes
8	5510	11	1392.8	718	A	Yes
9	5510	23	326.2	3066	A	Yes
10	5510	4	1730.1	578	A	Yes
11	5510	20	1113.6	898	A	Yes
12	5510	9	1474.9	678	A	Yes
13	5510	2	1858.7	538	A	Yes
14	5510	16	1222.5	818	A	Yes
15	5510	15	1253.1	798	A	Yes
16	5510	-	563.7	1774	B	Yes
17	5510	-	341.4	2929	B	Yes
18	5510	-	439	2278	B	Yes
19	5510	-	1745.2	573	B	Yes
20	5510	-	587.2	1703	B	Yes
21	5510	-	380.4	2629	B	Yes
22	5510	-	663.1	1508	B	Yes
23	5510	-	340.5	2937	B	Yes
24	5510	-	361.3	2768	B	Yes
25	5510	-	537.6	1860	B	Yes
26	5510	-	1426.5	701	B	Yes
27	5510	-	499.8	2001	B	Yes
28	5510	-	691.1	1447	B	Yes
29	5510	-	465.8	2147	B	Yes
30	5510	-	338.6	2953	B	No

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14.10 Radar Type 2 for 5510 MHz:

Data Sheet for FCC Radar Type 2

Trial	VSG Frequency (MHz)	Number Pulses per Burst (23-29)	Pulse Width (1-5)	PRI (150-230)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5510	27	3.4	196	Yes
2	5510	29	5	226	Yes
3	5510	27	3.4	215	Yes
4	5510	24	1.6	179	Yes
5	5510	23	1	164	Yes
6	5510	28	4.4	228	Yes
7	5510	26	3	203	Yes
8	5510	28	4.4	159	Yes
9	5510	29	4.5	151	Yes
10	5510	29	4.7	218	Yes
11	5510	28	4.1	198	Yes
12	5510	24	2	229	Yes
13	5510	27	3.8	197	Yes
14	5510	23	1	194	Yes
15	5510	28	4.4	170	Yes
16	5510	27	3.8	213	Yes
17	5510	27	3.4	150	Yes
18	5510	27	3.3	186	Yes
19	5510	28	4.2	214	Yes
20	5510	26	3.1	168	Yes
21	5510	29	4.6	202	Yes
22	5510	29	4.8	181	Yes
23	5510	24	1.8	174	Yes
24	5510	23	1.2	191	Yes
25	5510	26	2.9	223	Yes
26	5510	27	3.3	176	Yes
27	5510	27	3.4	180	Yes
28	5510	29	4.5	162	Yes
29	5510	23	1.3	220	Yes
30	5510	27	3.3	172	Yes

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14.11 Radar Type 3 for 5510 MHz:

Data Sheet for FCC Radar Type 3

Trial	VSG Frequency (MHz)	Number Pulses per Burst (16-18)	Pulse Width (6-10)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5510	17	8.4	231	Yes
2	5510	18	10	364	Yes
3	5510	17	8.4	207	Yes
4	5510	16	6.6	224	Yes
5	5510	16	6	284	Yes
6	5510	18	9.4	468	Yes
7	5510	17	8	500	Yes
8	5510	18	9.4	400	Yes
9	5510	18	9.5	418	Yes
10	5510	18	9.7	306	Yes
11	5510	18	9.1	326	Yes
12	5510	16	7	456	Yes
13	5510	18	8.8	476	Yes
14	5510	16	6	324	Yes
15	5510	18	9.4	389	Yes
16	5510	18	8.8	411	Yes
17	5510	17	8.4	314	Yes
18	5510	17	8.3	477	Yes
19	5510	18	9.2	463	Yes
20	5510	17	8.1	480	Yes
21	5510	18	9.6	388	Yes
22	5510	18	9.8	296	Yes
23	5510	16	6.8	374	Yes
24	5510	16	6.2	404	Yes
25	5510	17	7.9	467	Yes
26	5510	17	8.3	424	Yes
27	5510	17	8.4	295	Yes
28	5510	18	9.5	257	Yes
29	5510	16	6.3	361	Yes
30	5510	17	8.3	449	Yes

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14.12 Radar Type 4 for 5510 MHz:

Data Sheet for FCC Radar Type 4

Trial	VSG Frequency (MHz)	Number Pulses per Burst (12-16)	Pulse Width (11-20)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5510	13	14.4	224	Yes
2	5510	15	17.9	280	Yes
3	5510	16	19.3	402	Yes
4	5510	13	14.1	359	No
5	5510	16	19.9	292	Yes
6	5510	15	18.1	203	Yes
7	5510	16	18.4	287	Yes
8	5510	16	18.8	344	Yes
9	5510	12	12.4	439	Yes
10	5510	12	12.8	222	Yes
11	5510	16	19.6	446	Yes
12	5510	13	12.8	278	Yes
13	5510	16	18.9	494	Yes
14	5510	14	16.2	338	Yes
15	5510	13	14.4	228	Yes
16	5510	14	14.7	267	Yes
17	5510	15	18.2	235	Yes
18	5510	13	13.1	299	Yes
19	5510	14	15.5	247	Yes
20	5510	16	19.1	416	Yes
21	5510	13	13.7	237	Yes
22	5510	15	17.1	308	Yes
23	5510	14	16.2	496	Yes
24	5510	12	11.6	274	Yes
25	5510	13	14.6	311	Yes
26	5510	15	16.5	472	Yes
27	5510	14	16.4	453	Yes
28	5510	16	18.5	298	Yes
29	5510	12	12.3	217	Yes
30	5510	12	11.2	488	Yes

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14.13 Radar Type 5 for 5510 MHz:

14.13.1 Trial 1:

Data Sheet for FCC Radar Type 5						
Trial Number:		1		VSG Frequency(MHz):		5510
Number of Bursts in Trial:		15		Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.5	14	1743.5		662720
2	3	99.4	14	1577.6	1802.6	59114
3	2	80.5	14	1711.5		252532
4	1	58.3	14			446839
5	1	51.1	14			640616
6	3	92.1	14	1145.9	1353.9	35365
7	2	74.6	14	1589.4		228634
8	3	91.7	14	1369.3	1105.3	421292
9	3	93.8	14	1287.2	1197.2	614320
10	3	96.2	14	1003.8	1125.8	11608
11	3	88.8	14	1383.2	922.2	204585
12	1	63.2	14			399173
13	3	85.3	14	1141.7	1167.7	590969
14	1	50.2	14			786552
15	3	91.9	14	1292.1	985.1	180894

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14.13.2 Trial 2:

Data Sheet for FCC Radar Type 5						
Trial Number:			2		VSG Frequency(MHz):	
Number of Bursts in Trial:			20		Successful Detection:	
					Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	84.3	20	1471.7	1453.7	279491
2	2	79.4	20	1010.6		425883
3	2	78.7	20	1699.3		570091
4	3	89.5	20	1115.5	1791.5	117444
5	2	75.7	20	1487.3		262388
6	3	94.1	20	1532.9	1755.9	406317
7	3	97.5	20	1279.5	1254.5	551147
8	1	60.6	20			100196
9	1	52.6	20			245254
10	2	73.6	20	1694.4		389634
11	2	79	20	1506		534109
12	2	79.5	20	1179.5		82128
13	3	93	20	1806	910	226583
14	1	54.4	20			372511
15	2	78.7	20	1090.3		516930
16	2	71.8	20	1853.2		64305
17	2	69.8	20	1825.2		208934
18	1	62.8	20			354786
19	1	58.9	20			499979
20	2	76.6	20	1071.4		46527

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14.13.3 Trial 3

Data Sheet for FCC Radar Type 5						
Trial Number:			3	VSG Frequency(MHz):		5510
Number of Bursts in Trial:			15	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	82	14	996		255363
2	2	72.4	14	978.6		448913
3	3	97.1	14	1004.9	1733.9	640492
4	3	92.3	14	1043.7	1133.7	38210
5	1	61.9	14			231851
6	2	74.6	14	1882.4		424858
7	3	99.8	14	901.2	1850.2	617072
8	2	68.7	14	1259.3		14451
9	2	72.3	14	1175.7		207679
10	1	50	14			401990
11	1	52.5	14			595264
12	3	92.1	14	1106.9	1365.9	786509
13	3	89.1	14	1112.9	1343.9	183613
14	3	84.6	14	1903.4	1813.4	376288
15	3	92.5	14	1801.5	1418.5	569026

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14.13.4 Trial 4

Data Sheet for FCC Radar Type 5						
Trial Number:		4		VSG Frequency(MHz):		5510
Number of Bursts in Trial:		10		Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	69.5	7	1226.5		1147759
2	2	74.5	7	1315.5		240510
3	3	91.4	7	1065.6	1036.6	530657
4	1	53.4	7			822390
5	2	68.6	7	1431.4		1111445
6	2	82	7	1587		204752
7	3	88.7	7	1407.3	1858.3	494357
8	2	77.8	7	1362.2		785343
9	3	84.7	7	1276.3	1325.3	1074067
10	2	72.2	7	1578.8		168955

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14.13.5 Trial 5

Data Sheet for FCC Radar Type 5						
Trial Number:			5	VSG Frequency(MHz):		5510
Number of Bursts in Trial:			8	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	62.5	5			575087
2	2	81.6	5	1248.4		937605
3	3	87.2	5	979.8	1247.8	1299554
4	1	65	5			166796
5	2	74.4	5	1220.6		529598
6	2	69	5	933		893098
7	1	50.3	5			1257290
8	2	76.3	5	1910.7		121790

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14.13.6 Trial 6

Data Sheet for FCC Radar Type 5						
Trial Number:			6	VSG Frequency(MHz):		5510
Number of Bursts in Trial:			18	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	73.7	18	1880.3		214981
2	1	59.8	18			377052
3	1	61.8	18			537765
4	2	82.3	18	1718.7		34173
5	3	86.5	18	1707.5	1158.5	194736
6	2	77.6	18	1639.4		355795
7	1	51.1	18			518255
8	3	94.3	18	1305.7	1605.7	14330
9	2	78.7	18	1893.3		175140
10	3	88.3	18	993.7	1307.7	335810
11	1	52.6	18			498699
12	2	71.1	18	970.9		659076
13	3	86.9	18	1058.1	1487.1	155148
14	3	90.4	18	1691.6	1150.6	315623
15	1	58.3	18			478148
16	1	62	18			640211
17	1	59.2	18			135943
18	3	97.3	18	1510.7	1506.7	295706

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14.13.7 Trial 7

Data Sheet for FCC Radar Type 5						
Trial Number:			7	VSG Frequency(MHz):		5510
Number of Bursts in Trial:			14	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	78.4	12	996.6		589542
2	1	59.3	12			797377
3	3	90.3	12	1730.7	1806.7	148730
4	3	94.6	12	1905.4	1801.4	355325
5	3	93.4	12	1029.6	1748.6	562628
6	3	94.7	12	1814.3	1042.3	768740
7	1	62.4	12			123772
8	2	70.1	12	936.9		330846
9	3	99.4	12	1294.6	1492.6	536865
10	3	93	12	925	1173	744267
11	1	62.5	12			98284
12	1	53.7	12			305689
13	3	98	12	1125	1372	511817
14	2	81	12	1325		719356

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14.13.8 Trial 8

Data Sheet for FCC Radar Type 5						
Trial Number:			8	VSG Frequency(MHz):		
Number of Bursts in Trial:			18	Successful Detection:		
				Yes		
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	52.1	18			56539
2	1	65.7	18			217795
3	1	65.4	18			379417
4	2	74.8	18	1068.2		539448
5	2	80.6	18	1045.4		36564
6	3	87.2	18	1818.8	1902.8	196761
7	3	88.1	18	947.9	1055.9	358003
8	1	63.7	18			520773
9	1	52.3	18			16747
10	2	74.3	18	1772.7		177486
11	1	53.2	18			339491
12	1	50.3	18			500618
13	2	75.2	18	1194.8		660372
14	1	63.6	18			158203
15	3	85.3	18	1323.7	1694.7	318157
16	2	72.2	18	1414.8		479669
17	2	73.3	18	1659.7		640580
18	2	75.2	18	1756.8		137958

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14.13.9 Trial 9

Data Sheet for FCC Radar Type 5						
Trial Number:			9	VSG Frequency(MHz):		5510
Number of Bursts in Trial:			19	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	55.8	18			283718
2	2	77.1	18	1484.9		435844
3	3	90.7	18	1189.3	1363.3	587055
4	3	91.1	18	1834.9	1220.9	111559
5	3	86.1	18	1310.9	1728.9	263556
6	2	79.1	18	1362.9		416904
7	1	66.5	18			570875
8	2	67.2	18	1505.8		93220
9	2	69.9	18	1139.1		245698
10	1	66.3	18			398934
11	2	78.3	18	1593.7		550179
12	1	58.1	18			74628
13	2	81.8	18	997.2		226945
14	2	75	18	1801		378932
15	3	90.4	18	1729.6	1882.6	529401
16	2	71.6	18	1046.4		55618
17	2	68.9	18	1755.1		208121
18	2	71.1	18	1563.9		360555
19	2	74.9	18	1573.1		512790

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14.13.10 Trial 10

Data Sheet for FCC Radar Type 5						
Trial Number:			10	VSG Frequency(MHz):		5510
Number of Bursts in Trial:			19	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	83.6	19	1156.4	1402.4	36786
2	2	81.4	19	1841.6		189030
3	2	72	19	1873		341446
4	1	59.2	19			495618
5	1	64.6	19			18101
6	1	57	19			171006
7	1	65.9	19			323898
8	3	91.4	19	1631.6	1195.6	473938
9	3	93	19	1748	1907	625166
10	2	69.4	19	1385.6		151741
11	3	98.8	19	942.2	1284.2	303795
12	3	84.8	19	1560.2	919.2	455788
13	2	77.1	19	1388.9		609337
14	2	69.7	19	1794.3		132925
15	3	87.3	19	1608.7	958.7	284743
16	3	97.9	19	1732.1	1713.1	436026
17	2	70.9	19	999.1		590910
18	3	90.4	19	1359.6	1277.6	113848
19	1	61.1	19			267239

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14.13.11 Trial 11

Data Sheet for FCC Radar Type 5						
Trial Number:			11	VSG Frequency(MHz):		5497.9985
Number of Bursts in Trial:			18	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.7	17	1729.3		442542
2	3	86.4	17	1700.6	1365.6	601648
3	1	58.2	17			101016
4	1	63.4	17			262168
5	2	67.3	17	1698.7		422482
6	2	71.7	17	1419.3		583697
7	3	85.5	17	1670.5	1713.5	80640
8	3	94.3	17	1340.7	1643.7	241209
9	3	92.6	17	1013.4	981.4	402276
10	2	78.2	17	1072.8		564450
11	1	60	17			61163
12	1	53.5	17			222579
13	3	94.7	17	1082.3	1122.3	382273
14	1	64.1	17			545278
15	3	97.3	17	1666.7	1199.7	41143
16	3	89.7	17	962.3	1879.3	201825
17	3	93.9	17	914.1	1680.1	362387
18	3	83.8	17	1048.2	1471.2	523042

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14.13.12 Trial 12

Data Sheet for FCC Radar Type 5						
Trial Number:			12	VSG Frequency(MHz):		
Number of Bursts in Trial:			11	Successful Detection:		
				Yes		
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	67.9	9	1563.1		35107
2	2	76	9	1354		298999
3	3	84	9	1220	1140	562150
4	2	70.2	9	1571.8		826375
5	3	87.8	9	1508.2	1219.2	2601
6	2	73.5	9	1667.5		266475
7	3	97.8	9	1531.2	949.2	529885
8	2	71.1	9	1828.9		793963
9	2	81.6	9	1003.4		1058374
10	1	51.1	9			234332
11	3	88.4	9	1660.6	1057.6	496982

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14.13.13 Trial 13

Data Sheet for FCC Radar Type 5						
Trial Number:			13	VSG Frequency(MHz):		5497.5985
Number of Bursts in Trial:			17	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.6	16	1650.4	1591.4	491001
2	2	77.1	16	988.9		663413
3	2	69.4	16	1906.6		130069
4	2	81.3	16	1226.7		300595
5	1	57.8	16			471951
6	3	91.5	16	1711.5	1727.5	639596
7	3	88.6	16	1661.4	1871.4	108749
8	2	75.3	16	1186.7		279709
9	2	67.9	16	1837.1		449801
10	1	54.7	16			621531
11	3	87.5	16	1372.5	1910.5	87916
12	2	79.2	16	1264.8		258567
13	1	62.7	16			430122
14	2	73.4	16	1761.6		599120
15	1	63.1	16			67270
16	2	83	16	1025		237828
17	1	65.9	16			409146

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14.13.14 Trial 14

Data Sheet for FCC Radar Type 5						
Trial Number:			14		VSG Frequency(MHz):	
Number of Bursts in Trial:			8		Successful Detection:	
					Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	54.1	5			1233114
2	2	70.6	5	1309.4		98338
3	2	79.9	5	1080.1		461347
4	2	80	5	1429		824495
5	3	93.5	5	963.5	1379.5	1186762
6	1	64.1	5			53640
7	1	53	5			416956
8	1	64.4	5			780619

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14.13.15 Trial 15

Data Sheet for FCC Radar Type 5						
Trial Number:			15	VSG Frequency(MHz):		5498.3985
Number of Bursts in Trial:			18	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	77.1	18	1138.9		506685
2	1	59.4	18			3942
3	3	98.7	18	1818.3	1485.3	164350
4	3	84.8	18	1135.2	1238.2	325193
5	1	65.7	18			488063
6	3	96.2	18	1674.8	931.8	646717
7	3	90.2	18	1490.8	1608.8	144757
8	3	84.4	18	1049.6	1651.6	305614
9	1	55.8	18			467777
10	3	98	18	1343	1404	626618
11	1	51	18			125478
12	3	90.6	18	1469.4	1260.4	285477
13	2	72.2	18	1697.8		446760
14	3	86.9	18	1312.1	1165.1	607152
15	2	72.7	18	1261.3		105371
16	1	58.6	18			266913
17	1	64.4	18			428276
18	2	75.9	18	1576.1		588295

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14.13.16 Trial 16

Data Sheet for FCC Radar Type 5						
Trial Number:			16	VSG Frequency(MHz):		
Number of Bursts in Trial:			16	Successful Detection:		
				Yes		
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79	15	1325		96385
2	2	80.4	15	1275.6		277596
3	3	96.9	15	1786.1	1494.1	457288
4	2	71.2	15	1164.8		640364
5	3	96.9	15	1508.1	1758.1	73875
6	2	74.6	15	1541.4		255229
7	3	90.6	15	1248.4	1491.4	435347
8	2	81.9	15	966.1		617759
9	2	67	15	1257		51734
10	1	61	15			233198
11	2	71.3	15	1118.7		414119
12	1	58.3	15			596385
13	1	51	15			29446
14	1	63	15			210902
15	1	66.4	15			392295
16	2	66.9	15	1119.1		573244

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14.13.17 Trial 17

Data Sheet for FCC Radar Type 5						
Trial Number:			17	VSG Frequency(MHz):		5496.7985
Number of Bursts in Trial:			15	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	80.7	14	1502.3		7549
2	2	82.1	14	1416.9		200848
3	3	90	14	1519	1841	393083
4	3	90.6	14	1198.4	933.4	586893
5	1	52.2	14			781968
6	1	58.6	14			177375
7	3	97.4	14	988.6	1347.6	370019
8	3	94.8	14	1757.2	1625.2	562015
9	1	56.8	14			758515
10	2	75.4	14	1104.6		153362
11	1	62	14			347244
12	3	92.4	14	1276.6	1421.6	538959
13	3	93.7	14	1520.3	1173.3	731970
14	2	67.2	14	1295.8		129404
15	3	98	14	1376	1589	322224

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14.13.18 Trial 18

Data Sheet for FCC Radar Type 5						
Trial Number:			18	VSG Frequency(MHz):		5496.7985
Number of Bursts in Trial:			15	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	71.2	14	1320.8		516098
2	1	65.6	14			711056
3	2	67.6	14	1560.4		105644
4	3	85.1	14	1106.9	1546.9	298267
5	2	72.6	14	999.4		492329
6	2	67.5	14	1557.5		685805
7	1	55.8	14			81982
8	1	62.6	14			275769
9	2	74	14	1525		468393
10	3	94.2	14	1808.8	1348.8	660115
11	3	83.8	14	1341.2	1033.2	57882
12	2	79.1	14	1354.9		251330
13	2	79.1	14	1824.9		444195
14	1	63.1	14			639213
15	3	97.6	14	1097.4	1222.4	34150

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14.13.19 Trial 19

Data Sheet for FCC Radar Type 5						
Trial Number:			19	VSG Frequency(MHz):		5497.9985
Number of Bursts in Trial:			18	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	97	17	1152	1159	189075
2	3	88	17	1778	1067	349689
3	2	74.2	17	1247.8		511852
4	1	55.3	17			8644
5	1	56.2	17			170059
6	3	90.7	17	1463.3	1746.3	329731
7	2	68.7	17	1129.3		492024
8	2	73.8	17	1410.2		652286
9	2	73.6	17	1033.4		149766
10	2	70.4	17	1726.6		310583
11	2	83.1	17	1266.9		471723
12	1	52	17			633842
13	1	64.4	17			130266
14	2	71.4	17	1012.6		290875
15	1	62.5	17			452978
16	3	98.2	17	1084.8	1661.8	611442
17	3	88.3	17	976.7	1216.7	110015
18	3	99.9	17	1356.1	1347.1	270620

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14.13.20 Trial 20

Data Sheet for FCC Radar Type 5						
Trial Number:			20	VSG Frequency(MHz):		5496.3985
Number of Bursts in Trial:			14	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	63.1	13			556985
2	1	50	13			764240
3	3	92.8	13	1560.2	1596.2	115892
4	3	83.5	13	1886.5	1074.5	322714
5	2	78	13	947		530982
6	3	93.9	13	1542.1	1436.1	736408
7	3	99.4	13	1840.6	1047.6	90516
8	2	74.8	13	969.2		298059
9	2	69.4	13	1059.6		505059
10	1	65.9	13			713052
11	3	96.4	13	1146.6	967.6	65087
12	2	68.5	13	1303.5		272279
13	2	79.5	13	1438.5		479185
14	2	68.2	13	1298.8		686483

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14.13.21 Trial 21

Data Sheet for FCC Radar Type 5						
Trial Number:			21	VSG Frequency(MHz):		5521.2015
Number of Bursts in Trial:			19	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	81.7	19	1675.3		29156
2	1	59.3	19			181974
3	2	78.5	19	1714.5		333680
4	2	74	19	1328		486495
5	2	68.2	19	1802.8		10387
6	3	88.3	19	1217.7	1476.7	162498
7	1	60.9	19			316285
8	1	57.3	19			469192
9	1	52.4	19			621762
10	3	91.8	19	1234.2	1875.2	143544
11	3	94	19	1739	1264	295655
12	1	64.6	19			450235
13	3	89.5	19	915.5	1615.5	599789
14	1	65.5	19			125570
15	3	91.5	19	1415.5	1795.5	276848
16	3	91.2	19	1761.8	1029.8	429069
17	1	61.4	19			583904
18	3	96	19	1452	977	106315
19	3	95.6	19	924.4	1619.4	258271

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14.13.22 Trial 22

Data Sheet for FCC Radar Type 5						
Trial Number:			22	VSG Frequency(MHz):		5520.8015
Number of Bursts in Trial:			20	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.3	20	1506.7		390953
2	1	66	20			536503
3	1	63	20			83566
4	1	54.7	20			228585
5	1	63.4	20			373567
6	1	60	20			518984
7	2	80.4	20	1723.6		65463
8	1	55.9	20			210880
9	2	81.5	20	1479.5		354867
10	2	71.2	20	1102.8		500292
11	1	52.8	20			47770
12	2	77.4	20	1201.6		192655
13	1	55.1	20			338057
14	3	91	20	1219	963	481622
15	1	64.9	20			29905
16	2	70.3	20	1596.7		174553
17	1	55	20			320252
18	3	93	20	1714	1252	463224
19	3	88.6	20	1268.4	932.4	11959
20	2	80	20	1828		156759

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14.13.23 Trial 23

Data Sheet for FCC Radar Type 5						
Trial Number:			23	VSG Frequency(MHz):		5525.6015
Number of Bursts in Trial:			10	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	100	8	1584	1759	603694
2	3	88.9	8	1327.1	1222.1	893887
3	1	55.8	8			1187066
4	3	97.6	8	1377.4	1549.4	278150
5	1	50.9	8			569781
6	3	89.5	8	1286.5	1435.5	857986
7	1	63.4	8			1150528
8	1	54.3	8			243087
9	3	83.8	8	1759.2	1406.2	532117
10	2	83.3	8	1264.7		823833

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14.13.24 Trial 24

Data Sheet for FCC Radar Type 5						
Trial Number:			24	VSG Frequency(MHz):		5526.8015
Number of Bursts in Trial:			8	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	78.2	5	1735.8		1392615
2	1	54.4	5			259219
3	1	50.3	5			622650
4	2	73	5	1533		985144
5	1	50.2	5			1349865
6	1	52.1	5			214435
7	2	68.7	5	1662.3		577209
8	1	54.6	5			941146

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14.13.25 Trial 25

Data Sheet for FCC Radar Type 5						
Trial Number:			25	VSG Frequency(MHz):		5524.0015
Number of Bursts in Trial:			14	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	65	12			745379
2	1	64	12			96929
3	3	87.9	12	1892.1	918.1	303517
4	2	82.3	12	1446.7		511254
5	2	79.5	12	1832.5		717718
6	3	86.1	12	1726.9	1423.9	71068
7	3	99.7	12	1815.3	1019.3	277992
8	1	64.3	12			486396
9	3	88.9	12	1535.1	1893.1	690663
10	2	73.7	12	1102.3		45684
11	2	74.6	12	1104.4		252915
12	3	95.3	12	999.7	1241.7	459755
13	3	86.5	12	948.5	1040.5	666815
14	3	98.2	12	1389.8	1071.8	20152

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14.13.26 Trial 26

Data Sheet for FCC Radar Type 5						
Trial Number:			26	VSG Frequency(MHz):		5523.2015
Number of Bursts in Trial:			15	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	72.9	14	1537.1		212084
2	1	66	14			406059
3	3	95.6	14	1417.4	1601.4	597776
4	3	90.4	14	1894.6	1211.6	790092
5	1	60.2	14			188634
6	1	65.4	14			382345
7	1	53.8	14			576213
8	2	73.9	14	1594.1		767962
9	3	96.6	14	1859.4	1748.4	163965
10	2	76	14	1584		357548
11	2	72.1	14	1514.9		551111
12	3	98.2	14	1626.8	1771.8	742110
13	3	93.1	14	1198.9	1668.9	140436
14	3	98.4	14	1854.6	1072.6	333362
15	2	77	14	1472		526994

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14.13.27 Trial 27

Data Sheet for FCC Radar Type 5						
Trial Number:			27	VSG Frequency(MHz):		5523.2015
Number of Bursts in Trial:			15	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	82.2	14	1353.8		720438
2	3	90.7	14	1185.3	1700.3	116626
3	1	62.7	14			310855
4	1	51.6	14			504591
5	1	50.4	14			698421
6	2	78	14	1195		93119
7	2	74.5	14	1618.5		286339
8	3	92.2	14	1149.8	1137.8	478982
9	2	67.6	14	1499.4		672540
10	1	59.3	14			69430
11	2	69.7	14	1452.3		262555
12	3	98	14	1102	1231	455517
13	3	86.6	14	1804.4	1381.4	647811
14	1	50.6	14			45557
15	3	89.7	14	1787.3	1504.3	238008

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14.13.28 Trial 28

Data Sheet for FCC Radar Type 5						
Trial Number:			28	VSG Frequency(MHz):		5521.6015
Number of Bursts in Trial:			19	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.7	18	1697.3		340340
2	3	88.6	18	1769.4	1690.4	491404
3	3	96.8	18	1691.2	1516.2	17024
4	2	80	18	1145		169458
5	2	81.6	18	1780.4		321904
6	3	84.4	18	1451.6	1816.6	472877
7	2	77.4	18	1613.6		626201
8	1	59.8	18			151072
9	3	91.9	18	1142.1	1102.1	302563
10	1	53.2	18			456785
11	1	50.8	18			609842
12	3	91.1	18	1734.9	964.9	131722
13	2	67.4	18	1458.6		284271
14	1	61.8	18			437573
15	1	60.1	18			591173
16	2	81.4	18	1385.6		113168
17	3	93.1	18	1220.9	1329.9	265250
18	1	51.2	18			419059
19	3	87.4	18	1118.6	1853.6	569225

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14.13.29 Trial 29

Data Sheet for FCC Radar Type 5						
Trial Number:			29	VSG Frequency(MHz):		5526.4015
Number of Bursts in Trial:			9	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	56.7	6			200001
2	2	83	6	1308		522489
3	1	61.9	6			846350
4	3	93.7	6	1671.3	1482.3	1166393
5	3	86.1	6	1005.9	1351.9	159876
6	2	70.2	6	1318.8		482748
7	3	98.5	6	1105.5	1490.5	804613
8	2	73.9	6	1138.1		1128175
9	2	77.9	6	1159.1		120301

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14.13.30 Trial 30

Data Sheet for FCC Radar Type 5						
Trial Number:			30	VSG Frequency(MHz):		5523.2015
Number of Bursts in Trial:			15	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	81.1	14	1357.9		265423
2	3	90.6	14	1867.4	1437.4	457686
3	2	67.5	14	1595.5		651592
4	2	67.2	14	1586.8		48253
5	2	73.3	14	1268.7		241501
6	1	56.9	14			435893
7	3	96.4	14	1579.6	1480.6	626508
8	3	83.6	14	1137.4	1840.4	24398
9	1	51.3	14			218181
10	1	63	14			411686
11	2	66.8	14	1677.2		604335
12	3	92.7	14	1608.3	1118.3	647
13	1	54.7	14			194192
14	2	80.9	14	1304.1		387413
15	2	70.8	14	1289.2		580481

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14.14 Radar Type 6 for 5510 MHz:

Data Sheet for FCC Radar Type 6

Trial	Pulse Width	PRI	Pulses per Hop	Hopping Rate	Hopping Sequence Length	Successful Detection
	(μ sec)	(μ sec)		(kHz)	(msec)	(Yes/No)
1	1	333	9	0.333	300	Yes
2	1	333	9	0.333	300	Yes
3	1	333	9	0.333	300	Yes
4	1	333	9	0.333	300	Yes
5	1	333	9	0.333	300	Yes
6	1	333	9	0.333	300	Yes
7	1	333	9	0.333	300	Yes
8	1	333	9	0.333	300	Yes
9	1	333	9	0.333	300	Yes
10	1	333	9	0.333	300	Yes
11	1	333	9	0.333	300	Yes
12	1	333	9	0.333	300	Yes
13	1	333	9	0.333	300	Yes
14	1	333	9	0.333	300	Yes
15	1	333	9	0.333	300	Yes
16	1	333	9	0.333	300	Yes
17	1	333	9	0.333	300	Yes
18	1	333	9	0.333	300	Yes
19	1	333	9	0.333	300	Yes
20	1	333	9	0.333	300	Yes
21	1	333	9	0.333	300	Yes
22	1	333	9	0.333	300	Yes
23	1	333	9	0.333	300	Yes
24	1	333	9	0.333	300	Yes
25	1	333	9	0.333	300	Yes
26	1	333	9	0.333	300	Yes
27	1	333	9	0.333	300	Yes
28	1	333	9	0.333	300	Yes
29	1	333	9	0.333	300	Yes
30	1	333	9	0.333	300	Yes

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14.15 5530MHz:

Short Pulse Radar Type	Minimum Number of Trials	Detection(%)		Minmum Percentage of Successful Detection(%)	Pass/Fail
1	30	100		60	Pass
2	30	100		60	Pass
3	30	90		60	Pass
4	30	93.33		60	Pass
Aggregate (Radar Types 1-4)	120	95.8325		80	Pass
Long Pulse Radar Type	Minimum Number of Trials	Each Detection(%)	Total Detection(%)	Minmum Percentage of Successful Detection(%)	Pass/Fail
5	Center:10	100	100	80	Pass
	Low Edge:10	100			
	High Edge:10	100			
Frequency Hopping Radar Type	Minimum Number of Trials	Detection(%)		Minmum Percentage of Successful Detection(%)	Pass/Fail
6	30	100		70	Pass

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14.16 Radar Type 1 for 5530 MHz:

Data Sheet for FCC Radar Type 1

Trial	VSG Frequency (MHz)	Pulse Repetition Frequency	Pulse Repetition Frequency	PRI	Test A/B	Successful Detection
		Number (1 to 23)	(Pulses Per Second)			
1	5530	1	1930.5	518	A	Yes
2	5530	5	1672.2	598	A	Yes
3	5530	3	1792.1	558	A	Yes
4	5530	14	1285.3	778	A	Yes
5	5530	21	1089.3	918	A	Yes
6	5530	18	1165.5	858	A	Yes
7	5530	12	1355	738	A	Yes
8	5530	11	1392.8	718	A	Yes
9	5530	23	326.2	3066	A	Yes
10	5530	4	1730.1	578	A	Yes
11	5530	20	1113.6	898	A	Yes
12	5530	9	1474.9	678	A	Yes
13	5530	2	1858.7	538	A	Yes
14	5530	16	1222.5	818	A	Yes
15	5530	15	1253.1	798	A	Yes
16	5530	-	563.7	1774	B	Yes
17	5530	-	341.4	2929	B	Yes
18	5530	-	439	2278	B	Yes
19	5530	-	1745.2	573	B	Yes
20	5530	-	587.2	1703	B	Yes
21	5530	-	380.4	2629	B	Yes
22	5530	-	663.1	1508	B	Yes
23	5530	-	340.5	2937	B	Yes
24	5530	-	361.3	2768	B	Yes
25	5530	-	537.6	1860	B	Yes
26	5530	-	1426.5	701	B	Yes
27	5530	-	499.8	2001	B	Yes
28	5530	-	691.1	1447	B	Yes
29	5530	-	465.8	2147	B	Yes
30	5530	-	338.6	2953	B	Yes

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14.17 Radar Type 2 for 5530 MHz:

Data Sheet for FCC Radar Type 2

Trial	VSG Frequency (MHz)	Number Pulses per Burst (23-29)	Pulse Width (1-5)	PRI (150-230)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5530	27	3.4	196	Yes
2	5530	29	5	226	Yes
3	5530	27	3.4	215	Yes
4	5530	24	1.6	179	Yes
5	5530	23	1	164	Yes
6	5530	28	4.4	228	Yes
7	5530	26	3	203	Yes
8	5530	28	4.4	159	Yes
9	5530	29	4.5	151	Yes
10	5530	29	4.7	218	Yes
11	5530	28	4.1	198	Yes
12	5530	24	2	229	Yes
13	5530	27	3.8	197	Yes
14	5530	23	1	194	Yes
15	5530	28	4.4	170	Yes
16	5530	27	3.8	213	Yes
17	5530	27	3.4	150	Yes
18	5530	27	3.3	186	Yes
19	5530	28	4.2	214	Yes
20	5530	26	3.1	168	Yes
21	5530	29	4.6	202	Yes
22	5530	29	4.8	181	Yes
23	5530	24	1.8	174	Yes
24	5530	23	1.2	191	Yes
25	5530	26	2.9	223	Yes
26	5530	27	3.3	176	Yes
27	5530	27	3.4	180	Yes
28	5530	29	4.5	162	Yes
29	5530	23	1.3	220	Yes
30	5530	27	3.3	172	Yes

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14.18 Radar Type 3 for 5530 MHz:

Data Sheet for FCC Radar Type 3

Trial	VSG Frequency (MHz)	Number Pulses per Burst (16-18)	Pulse Width (6-10)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5530	17	8.4	231	Yes
2	5530	18	10	364	Yes
3	5530	17	8.4	207	Yes
4	5530	16	6.6	224	Yes
5	5530	16	6	284	No
6	5530	18	9.4	468	Yes
7	5530	17	8	500	Yes
8	5530	18	9.4	400	Yes
9	5530	18	9.5	418	Yes
10	5530	18	9.7	306	Yes
11	5530	18	9.1	326	Yes
12	5530	16	7	456	Yes
13	5530	18	8.8	476	Yes
14	5530	16	6	324	Yes
15	5530	18	9.4	389	Yes
16	5530	18	8.8	411	Yes
17	5530	17	8.4	314	Yes
18	5530	17	8.3	477	Yes
19	5530	18	9.2	463	Yes
20	5530	17	8.1	480	Yes
21	5530	18	9.6	388	Yes
22	5530	18	9.8	296	Yes
23	5530	16	6.8	374	No
24	5530	16	6.2	404	Yes
25	5530	17	7.9	467	Yes
26	5530	17	8.3	424	Yes
27	5530	17	8.4	295	Yes
28	5530	18	9.5	257	Yes
29	5530	16	6.3	361	No
30	5530	17	8.3	449	Yes

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14.19 Radar Type 4 for 5530 MHz:

Data Sheet for FCC Radar Type 4

Trial	VSG Frequency (MHz)	Number Pulses per Burst (12-16)	Pulse Width (11-20)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5530	14	16.3	231	Yes
2	5530	16	19.9	364	Yes
3	5530	15	16.5	207	Yes
4	5530	12	12.5	224	Yes
5	5530	12	11.2	284	Yes
6	5530	16	18.6	468	Yes
7	5530	14	15.4	500	No
8	5530	16	18.5	400	Yes
9	5530	16	18.9	418	Yes
10	5530	16	19.3	306	Yes
11	5530	15	18	326	Yes
12	5530	13	13.4	456	Yes
13	5530	15	17.4	476	Yes
14	5530	12	11	324	Yes
15	5530	16	18.6	389	Yes
16	5530	15	17.2	411	Yes
17	5530	14	16.3	314	Yes
18	5530	14	16.2	477	Yes
19	5530	15	18.1	463	Yes
20	5530	14	15.6	480	Yes
21	5530	16	19	388	Yes
22	5530	16	19.6	296	Yes
23	5530	13	12.9	374	Yes
24	5530	12	11.4	404	Yes
25	5530	14	15.3	467	Yes
26	5530	14	16.2	424	No
27	5530	14	16.3	295	Yes
28	5530	16	18.8	257	Yes
29	5530	12	11.8	361	Yes
30	5530	14	16.2	449	Yes

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14.20 Radar Type 5 for 5530 MHz:

14.20.1 Trial 1:

Data Sheet for FCC Radar Type 5						
Trial Number:		1		VSG Frequency(MHz):		5530
Number of Bursts in Trial:		15		Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.5	14	1743.5		662720
2	3	99.4	14	1577.6	1802.6	59114
3	2	80.5	14	1711.5		252532
4	1	58.3	14			446839
5	1	51.1	14			640616
6	3	92.1	14	1145.9	1353.9	35365
7	2	74.6	14	1589.4		228634
8	3	91.7	14	1369.3	1105.3	421292
9	3	93.8	14	1287.2	1197.2	614320
10	3	96.2	14	1003.8	1125.8	11608
11	3	88.8	14	1383.2	922.2	204585
12	1	63.2	14			399173
13	3	85.3	14	1141.7	1167.7	590969
14	1	50.2	14			786552
15	3	91.9	14	1292.1	985.1	180894

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14.20.2 Trial 2:

Data Sheet for FCC Radar Type 5						
Trial Number:			2		VSG Frequency(MHz):	
Number of Bursts in Trial:			20		Successful Detection:	
					Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	84.3	20	1471.7	1453.7	279491
2	2	79.4	20	1010.6		425883
3	2	78.7	20	1699.3		570091
4	3	89.5	20	1115.5	1791.5	117444
5	2	75.7	20	1487.3		262388
6	3	94.1	20	1532.9	1755.9	406317
7	3	97.5	20	1279.5	1254.5	551147
8	1	60.6	20			100196
9	1	52.6	20			245254
10	2	73.6	20	1694.4		389634
11	2	79	20	1506		534109
12	2	79.5	20	1179.5		82128
13	3	93	20	1806	910	226583
14	1	54.4	20			372511
15	2	78.7	20	1090.3		516930
16	2	71.8	20	1853.2		64305
17	2	69.8	20	1825.2		208934
18	1	62.8	20			354786
19	1	58.9	20			499979
20	2	76.6	20	1071.4		46527

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14.20.3 Trial 3

Data Sheet for FCC Radar Type 5						
Trial Number:			3	VSG Frequency(MHz):		5530
Number of Bursts in Trial:			15	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	82	14	996		255363
2	2	72.4	14	978.6		448913
3	3	97.1	14	1004.9	1733.9	640492
4	3	92.3	14	1043.7	1133.7	38210
5	1	61.9	14			231851
6	2	74.6	14	1882.4		424858
7	3	99.8	14	901.2	1850.2	617072
8	2	68.7	14	1259.3		14451
9	2	72.3	14	1175.7		207679
10	1	50	14			401990
11	1	52.5	14			595264
12	3	92.1	14	1106.9	1365.9	786509
13	3	89.1	14	1112.9	1343.9	183613
14	3	84.6	14	1903.4	1813.4	376288
15	3	92.5	14	1801.5	1418.5	569026

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14.20.4 Trial 4

Data Sheet for FCC Radar Type 5						
Trial Number:			4	VSG Frequency(MHz):		5530
Number of Bursts in Trial:			10	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	69.5	7	1226.5		1147759
2	2	74.5	7	1315.5		240510
3	3	91.4	7	1065.6	1036.6	530657
4	1	53.4	7			822390
5	2	68.6	7	1431.4		1111445
6	2	82	7	1587		204752
7	3	88.7	7	1407.3	1858.3	494357
8	2	77.8	7	1362.2		785343
9	3	84.7	7	1276.3	1325.3	1074067
10	2	72.2	7	1578.8		168955

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14.20.5 Trial 5

Data Sheet for FCC Radar Type 5						
Trial Number:			5		VSG Frequency(MHz):	
Number of Bursts in Trial:			8		Successful Detection:	
					Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	62.5	5			575087
2	2	81.6	5	1248.4		937605
3	3	87.2	5	979.8	1247.8	1299554
4	1	65	5			166796
5	2	74.4	5	1220.6		529598
6	2	69	5	933		893098
7	1	50.3	5			1257290
8	2	76.3	5	1910.7		121790

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14.20.6 Trial 6

Data Sheet for FCC Radar Type 5						
Trial Number:			6	VSG Frequency(MHz):		5530
Number of Bursts in Trial:			18	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	73.7	18	1880.3		214981
2	1	59.8	18			377052
3	1	61.8	18			537765
4	2	82.3	18	1718.7		34173
5	3	86.5	18	1707.5	1158.5	194736
6	2	77.6	18	1639.4		355795
7	1	51.1	18			518255
8	3	94.3	18	1305.7	1605.7	14330
9	2	78.7	18	1893.3		175140
10	3	88.3	18	993.7	1307.7	335810
11	1	52.6	18			498699
12	2	71.1	18	970.9		659076
13	3	86.9	18	1058.1	1487.1	155148
14	3	90.4	18	1691.6	1150.6	315623
15	1	58.3	18			478148
16	1	62	18			640211
17	1	59.2	18			135943
18	3	97.3	18	1510.7	1506.7	295706

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14.20.7 Trial 7

Data Sheet for FCC Radar Type 5						
Trial Number:			7	VSG Frequency(MHz):		5530
Number of Bursts in Trial:			14	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	78.4	12	996.6		589542
2	1	59.3	12			797377
3	3	90.3	12	1730.7	1806.7	148730
4	3	94.6	12	1905.4	1801.4	355325
5	3	93.4	12	1029.6	1748.6	562628
6	3	94.7	12	1814.3	1042.3	768740
7	1	62.4	12			123772
8	2	70.1	12	936.9		330846
9	3	99.4	12	1294.6	1492.6	536865
10	3	93	12	925	1173	744267
11	1	62.5	12			98284
12	1	53.7	12			305689
13	3	98	12	1125	1372	511817
14	2	81	12	1325		719356

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14.20.8 Trial 8

Data Sheet for FCC Radar Type 5						
Trial Number:			8	VSG Frequency(MHz):		
Number of Bursts in Trial:			18	Successful Detection:		
				Yes		
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	52.1	18			56539
2	1	65.7	18			217795
3	1	65.4	18			379417
4	2	74.8	18	1068.2		539448
5	2	80.6	18	1045.4		36564
6	3	87.2	18	1818.8	1902.8	196761
7	3	88.1	18	947.9	1055.9	358003
8	1	63.7	18			520773
9	1	52.3	18			16747
10	2	74.3	18	1772.7		177486
11	1	53.2	18			339491
12	1	50.3	18			500618
13	2	75.2	18	1194.8		660372
14	1	63.6	18			158203
15	3	85.3	18	1323.7	1694.7	318157
16	2	72.2	18	1414.8		479669
17	2	73.3	18	1659.7		640580
18	2	75.2	18	1756.8		137958

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14.20.9 Trial 9

Data Sheet for FCC Radar Type 5						
Trial Number:			9	VSG Frequency(MHz):		5530
Number of Bursts in Trial:			19	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	55.8	18			283718
2	2	77.1	18	1484.9		435844
3	3	90.7	18	1189.3	1363.3	587055
4	3	91.1	18	1834.9	1220.9	111559
5	3	86.1	18	1310.9	1728.9	263556
6	2	79.1	18	1362.9		416904
7	1	66.5	18			570875
8	2	67.2	18	1505.8		93220
9	2	69.9	18	1139.1		245698
10	1	66.3	18			398934
11	2	78.3	18	1593.7		550179
12	1	58.1	18			74628
13	2	81.8	18	997.2		226945
14	2	75	18	1801		378932
15	3	90.4	18	1729.6	1882.6	529401
16	2	71.6	18	1046.4		55618
17	2	68.9	18	1755.1		208121
18	2	71.1	18	1563.9		360555
19	2	74.9	18	1573.1		512790

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14.20.10 Trial 10

Data Sheet for FCC Radar Type 5						
Trial Number:			10		VSG Frequency(MHz):	
Number of Bursts in Trial:			19		Successful Detection:	
					Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	83.6	19	1156.4	1402.4	36786
2	2	81.4	19	1841.6		189030
3	2	72	19	1873		341446
4	1	59.2	19			495618
5	1	64.6	19			18101
6	1	57	19			171006
7	1	65.9	19			323898
8	3	91.4	19	1631.6	1195.6	473938
9	3	93	19	1748	1907	625166
10	2	69.4	19	1385.6		151741
11	3	98.8	19	942.2	1284.2	303795
12	3	84.8	19	1560.2	919.2	455788
13	2	77.1	19	1388.9		609337
14	2	69.7	19	1794.3		132925
15	3	87.3	19	1608.7	958.7	284743
16	3	97.9	19	1732.1	1713.1	436026
17	2	70.9	19	999.1		590910
18	3	90.4	19	1359.6	1277.6	113848
19	1	61.1	19			267239

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14.20.11 Trial 11

Data Sheet for FCC Radar Type 5						
Trial Number:			11	VSG Frequency(MHz):		
Number of Bursts in Trial:			18	Successful Detection:		
				Yes		
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.7	17	1729.3		442542
2	3	86.4	17	1700.6	1365.6	601648
3	1	58.2	17			101016
4	1	63.4	17			262168
5	2	67.3	17	1698.7		422482
6	2	71.7	17	1419.3		583697
7	3	85.5	17	1670.5	1713.5	80640
8	3	94.3	17	1340.7	1643.7	241209
9	3	92.6	17	1013.4	981.4	402276
10	2	78.2	17	1072.8		564450
11	1	60	17			61163
12	1	53.5	17			222579
13	3	94.7	17	1082.3	1122.3	382273
14	1	64.1	17			545278
15	3	97.3	17	1666.7	1199.7	41143
16	3	89.7	17	962.3	1879.3	201825
17	3	93.9	17	914.1	1680.1	362387
18	3	83.8	17	1048.2	1471.2	523042

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14.20.12 Trial 12

Data Sheet for FCC Radar Type 5						
Trial Number:			12	VSG Frequency(MHz):		5495.2625
Number of Bursts in Trial:			11	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	67.9	9	1563.1		35107
2	2	76	9	1354		298999
3	3	84	9	1220	1140	562150
4	2	70.2	9	1571.8		826375
5	3	87.8	9	1508.2	1219.2	2601
6	2	73.5	9	1667.5		266475
7	3	97.8	9	1531.2	949.2	529885
8	2	71.1	9	1828.9		793963
9	2	81.6	9	1003.4		1058374
10	1	51.1	9			234332
11	3	88.4	9	1660.6	1057.6	496982

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14.20.13 Trial 13

Data Sheet for FCC Radar Type 5						
Trial Number:			13	VSG Frequency(MHz):		5498.0625
Number of Bursts in Trial:			17	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.6	16	1650.4	1591.4	491001
2	2	77.1	16	988.9		663413
3	2	69.4	16	1906.6		130069
4	2	81.3	16	1226.7		300595
5	1	57.8	16			471951
6	3	91.5	16	1711.5	1727.5	639596
7	3	88.6	16	1661.4	1871.4	108749
8	2	75.3	16	1186.7		279709
9	2	67.9	16	1837.1		449801
10	1	54.7	16			621531
11	3	87.5	16	1372.5	1910.5	87916
12	2	79.2	16	1264.8		258567
13	1	62.7	16			430122
14	2	73.4	16	1761.6		599120
15	1	63.1	16			67270
16	2	83	16	1025		237828
17	1	65.9	16			409146

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14.20.14 Trial 14

Data Sheet for FCC Radar Type 5						
Trial Number:			14	VSG Frequency(MHz):		5493.6625
Number of Bursts in Trial:			8	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	54.1	5			1233114
2	2	70.6	5	1309.4		98338
3	2	79.9	5	1080.1		461347
4	2	80	5	1429		824495
5	3	93.5	5	963.5	1379.5	1186762
6	1	64.1	5			53640
7	1	53	5			416956
8	1	64.4	5			780619

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14.20.15 Trial 15

Data Sheet for FCC Radar Type 5						
Trial Number:			15	VSG Frequency(MHz):		5498.8625
Number of Bursts in Trial:			18	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	77.1	18	1138.9		506685
2	1	59.4	18			3942
3	3	98.7	18	1818.3	1485.3	164350
4	3	84.8	18	1135.2	1238.2	325193
5	1	65.7	18			488063
6	3	96.2	18	1674.8	931.8	646717
7	3	90.2	18	1490.8	1608.8	144757
8	3	84.4	18	1049.6	1651.6	305614
9	1	55.8	18			467777
10	3	98	18	1343	1404	626618
11	1	51	18			125478
12	3	90.6	18	1469.4	1260.4	285477
13	2	72.2	18	1697.8		446760
14	3	86.9	18	1312.1	1165.1	607152
15	2	72.7	18	1261.3		105371
16	1	58.6	18			266913
17	1	64.4	18			428276
18	2	75.9	18	1576.1		588295

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14.20.16 Trial 16

Data Sheet for FCC Radar Type 5						
Trial Number:			16	VSG Frequency(MHz):		5497.6625
Number of Bursts in Trial:			16	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79	15	1325		96385
2	2	80.4	15	1275.6		277596
3	3	96.9	15	1786.1	1494.1	457288
4	2	71.2	15	1164.8		640364
5	3	96.9	15	1508.1	1758.1	73875
6	2	74.6	15	1541.4		255229
7	3	90.6	15	1248.4	1491.4	435347
8	2	81.9	15	966.1		617759
9	2	67	15	1257		51734
10	1	61	15			233198
11	2	71.3	15	1118.7		414119
12	1	58.3	15			596385
13	1	51	15			29446
14	1	63	15			210902
15	1	66.4	15			392295
16	2	66.9	15	1119.1		573244

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14.20.17 Trial 17

Data Sheet for FCC Radar Type 5						
Trial Number:			17	VSG Frequency(MHz):		5497.2625
Number of Bursts in Trial:			15	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	80.7	14	1502.3		7549
2	2	82.1	14	1416.9		200848
3	3	90	14	1519	1841	393083
4	3	90.6	14	1198.4	933.4	586893
5	1	52.2	14			781968
6	1	58.6	14			177375
7	3	97.4	14	988.6	1347.6	370019
8	3	94.8	14	1757.2	1625.2	562015
9	1	56.8	14			758515
10	2	75.4	14	1104.6		153362
11	1	62	14			347244
12	3	92.4	14	1276.6	1421.6	538959
13	3	93.7	14	1520.3	1173.3	731970
14	2	67.2	14	1295.8		129404
15	3	98	14	1376	1589	322224

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14.20.18 Trial 18

Data Sheet for FCC Radar Type 5						
Trial Number:			18	VSG Frequency(MHz):		5497.2625
Number of Bursts in Trial:			15	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	71.2	14	1320.8		516098
2	1	65.6	14			711056
3	2	67.6	14	1560.4		105644
4	3	85.1	14	1106.9	1546.9	298267
5	2	72.6	14	999.4		492329
6	2	67.5	14	1557.5		685805
7	1	55.8	14			81982
8	1	62.6	14			275769
9	2	74	14	1525		468393
10	3	94.2	14	1808.8	1348.8	660115
11	3	83.8	14	1341.2	1033.2	57882
12	2	79.1	14	1354.9		251330
13	2	79.1	14	1824.9		444195
14	1	63.1	14			639213
15	3	97.6	14	1097.4	1222.4	34150

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14.20.19 Trial 19

Data Sheet for FCC Radar Type 5						
Trial Number:			19	VSG Frequency(MHz):		5498.4625
Number of Bursts in Trial:			18	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	97	17	1152	1159	189075
2	3	88	17	1778	1067	349689
3	2	74.2	17	1247.8		511852
4	1	55.3	17			8644
5	1	56.2	17			170059
6	3	90.7	17	1463.3	1746.3	329731
7	2	68.7	17	1129.3		492024
8	2	73.8	17	1410.2		652286
9	2	73.6	17	1033.4		149766
10	2	70.4	17	1726.6		310583
11	2	83.1	17	1266.9		471723
12	1	52	17			633842
13	1	64.4	17			130266
14	2	71.4	17	1012.6		290875
15	1	62.5	17			452978
16	3	98.2	17	1084.8	1661.8	611442
17	3	88.3	17	976.7	1216.7	110015
18	3	99.9	17	1356.1	1347.1	270620

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14.20.20 Trial 20

Data Sheet for FCC Radar Type 5						
Trial Number:			20	VSG Frequency(MHz):		5496.8625
Number of Bursts in Trial:			14	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	63.1	13			556985
2	1	50	13			764240
3	3	92.8	13	1560.2	1596.2	115892
4	3	83.5	13	1886.5	1074.5	322714
5	2	78	13	947		530982
6	3	93.9	13	1542.1	1436.1	736408
7	3	99.4	13	1840.6	1047.6	90516
8	2	74.8	13	969.2		298059
9	2	69.4	13	1059.6		505059
10	1	65.9	13			713052
11	3	96.4	13	1146.6	967.6	65087
12	2	68.5	13	1303.5		272279
13	2	79.5	13	1438.5		479185
14	2	68.2	13	1298.8		686483

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14.20.21 Trial 21

Data Sheet for FCC Radar Type 5						
Trial Number:			21	VSG Frequency(MHz):		
Number of Bursts in Trial:			19	Successful Detection:		
				Yes		
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	81.7	19	1675.3		29156
2	1	59.3	19			181974
3	2	78.5	19	1714.5		333680
4	2	74	19	1328		486495
5	2	68.2	19	1802.8		10387
6	3	88.3	19	1217.7	1476.7	162498
7	1	60.9	19			316285
8	1	57.3	19			469192
9	1	52.4	19			621762
10	3	91.8	19	1234.2	1875.2	143544
11	3	94	19	1739	1264	295655
12	1	64.6	19			450235
13	3	89.5	19	915.5	1615.5	599789
14	1	65.5	19			125570
15	3	91.5	19	1415.5	1795.5	276848
16	3	91.2	19	1761.8	1029.8	429069
17	1	61.4	19			583904
18	3	96	19	1452	977	106315
19	3	95.6	19	924.4	1619.4	258271

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14.20.22 Trial 22

Data Sheet for FCC Radar Type 5						
Trial Number:			22		VSG Frequency(MHz):	
Number of Bursts in Trial:			20		Successful Detection:	
					Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.3	20	1506.7		390953
2	1	66	20			536503
3	1	63	20			83566
4	1	54.7	20			228585
5	1	63.4	20			373567
6	1	60	20			518984
7	2	80.4	20	1723.6		65463
8	1	55.9	20			210880
9	2	81.5	20	1479.5		354867
10	2	71.2	20	1102.8		500292
11	1	52.8	20			47770
12	2	77.4	20	1201.6		192655
13	1	55.1	20			338057
14	3	91	20	1219	963	481622
15	1	64.9	20			29905
16	2	70.3	20	1596.7		174553
17	1	55	20			320252
18	3	93	20	1714	1252	463224
19	3	88.6	20	1268.4	932.4	11959
20	2	80	20	1828		156759

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14.20.23 Trial 23

Data Sheet for FCC Radar Type 5						
Trial Number:		23		VSG Frequency(MHz):		5565.1375
Number of Bursts in Trial:		10		Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	100	8	1584	1759	603694
2	3	88.9	8	1327.1	1222.1	893887
3	1	55.8	8			1187066
4	3	97.6	8	1377.4	1549.4	278150
5	1	50.9	8			569781
6	3	89.5	8	1286.5	1435.5	857986
7	1	63.4	8			1150528
8	1	54.3	8			243087
9	3	83.8	8	1759.2	1406.2	532117
10	2	83.3	8	1264.7		823833

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14.20.24 Trial 24

Data Sheet for FCC Radar Type 5						
Trial Number:			24	VSG Frequency(MHz):		5566.3375
Number of Bursts in Trial:			8	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	78.2	5	1735.8		1392615
2	1	54.4	5			259219
3	1	50.3	5			622650
4	2	73	5	1533		985144
5	1	50.2	5			1349865
6	1	52.1	5			214435
7	2	68.7	5	1662.3		577209
8	1	54.6	5			941146

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14.20.25 Trial 25

Data Sheet for FCC Radar Type 5						
Trial Number:			25	VSG Frequency(MHz):		5563.5375
Number of Bursts in Trial:			14	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	65	12			745379
2	1	64	12			96929
3	3	87.9	12	1892.1	918.1	303517
4	2	82.3	12	1446.7		511254
5	2	79.5	12	1832.5		717718
6	3	86.1	12	1726.9	1423.9	71068
7	3	99.7	12	1815.3	1019.3	277992
8	1	64.3	12			486396
9	3	88.9	12	1535.1	1893.1	690663
10	2	73.7	12	1102.3		45684
11	2	74.6	12	1104.4		252915
12	3	95.3	12	999.7	1241.7	459755
13	3	86.5	12	948.5	1040.5	666815
14	3	98.2	12	1389.8	1071.8	20152

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14.20.26 Trial 26

Data Sheet for FCC Radar Type 5						
Trial Number:			26	VSG Frequency(MHz):		5562.7375
Number of Bursts in Trial:			15	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	72.9	14	1537.1		212084
2	1	66	14			406059
3	3	95.6	14	1417.4	1601.4	597776
4	3	90.4	14	1894.6	1211.6	790092
5	1	60.2	14			188634
6	1	65.4	14			382345
7	1	53.8	14			576213
8	2	73.9	14	1594.1		767962
9	3	96.6	14	1859.4	1748.4	163965
10	2	76	14	1584		357548
11	2	72.1	14	1514.9		551111
12	3	98.2	14	1626.8	1771.8	742110
13	3	93.1	14	1198.9	1668.9	140436
14	3	98.4	14	1854.6	1072.6	333362
15	2	77	14	1472		526994

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14.20.27 Trial 27

Data Sheet for FCC Radar Type 5						
Trial Number:			27	VSG Frequency(MHz):		5562.7375
Number of Bursts in Trial:			15	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	82.2	14	1353.8		720438
2	3	90.7	14	1185.3	1700.3	116626
3	1	62.7	14			310855
4	1	51.6	14			504591
5	1	50.4	14			698421
6	2	78	14	1195		93119
7	2	74.5	14	1618.5		286339
8	3	92.2	14	1149.8	1137.8	478982
9	2	67.6	14	1499.4		672540
10	1	59.3	14			69430
11	2	69.7	14	1452.3		262555
12	3	98	14	1102	1231	455517
13	3	86.6	14	1804.4	1381.4	647811
14	1	50.6	14			45557
15	3	89.7	14	1787.3	1504.3	238008

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14.20.28 Trial 28

Data Sheet for FCC Radar Type 5						
Trial Number:			28	VSG Frequency(MHz):		5561.1375
Number of Bursts in Trial:			19	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.7	18	1697.3		340340
2	3	88.6	18	1769.4	1690.4	491404
3	3	96.8	18	1691.2	1516.2	17024
4	2	80	18	1145		169458
5	2	81.6	18	1780.4		321904
6	3	84.4	18	1451.6	1816.6	472877
7	2	77.4	18	1613.6		626201
8	1	59.8	18			151072
9	3	91.9	18	1142.1	1102.1	302563
10	1	53.2	18			456785
11	1	50.8	18			609842
12	3	91.1	18	1734.9	964.9	131722
13	2	67.4	18	1458.6		284271
14	1	61.8	18			437573
15	1	60.1	18			591173
16	2	81.4	18	1385.6		113168
17	3	93.1	18	1220.9	1329.9	265250
18	1	51.2	18			419059
19	3	87.4	18	1118.6	1853.6	569225

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14.20.29 Trial 29

Data Sheet for FCC Radar Type 5						
Trial Number:			29	VSG Frequency(MHz):		5565.9375
Number of Bursts in Trial:			9	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	56.7	6			200001
2	2	83	6	1308		522489
3	1	61.9	6			846350
4	3	93.7	6	1671.3	1482.3	1166393
5	3	86.1	6	1005.9	1351.9	159876
6	2	70.2	6	1318.8		482748
7	3	98.5	6	1105.5	1490.5	804613
8	2	73.9	6	1138.1		1128175
9	2	77.9	6	1159.1		120301

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14.20.30 Trial 30

Data Sheet for FCC Radar Type 5						
Trial Number:			30	VSG Frequency(MHz):		5562.7375
Number of Bursts in Trial:			15	Successful Detection:		Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Loca- tion Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	81.1	14	1357.9		265423
2	3	90.6	14	1867.4	1437.4	457686
3	2	67.5	14	1595.5		651592
4	2	67.2	14	1586.8		48253
5	2	73.3	14	1268.7		241501
6	1	56.9	14			435893
7	3	96.4	14	1579.6	1480.6	626508
8	3	83.6	14	1137.4	1840.4	24398
9	1	51.3	14			218181
10	1	63	14			411686
11	2	66.8	14	1677.2		604335
12	3	92.7	14	1608.3	1118.3	647
13	1	54.7	14			194192
14	2	80.9	14	1304.1		387413
15	2	70.8	14	1289.2		580481

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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14.21 Radar Type 6 for 5530 MHz:

Data Sheet for FCC Radar Type 6

Trial	Pulse Width	PRI	Pulses per Hop	Hopping Rate	Hopping Sequence Length	Successful Detection
	(μ sec)	(μ sec)		(kHz)	(msec)	(Yes/No)
1	1	333	9	0.333	300	Yes
2	1	333	9	0.333	300	Yes
3	1	333	9	0.333	300	Yes
4	1	333	9	0.333	300	Yes
5	1	333	9	0.333	300	Yes
6	1	333	9	0.333	300	Yes
7	1	333	9	0.333	300	Yes
8	1	333	9	0.333	300	Yes
9	1	333	9	0.333	300	Yes
10	1	333	9	0.333	300	Yes
11	1	333	9	0.333	300	Yes
12	1	333	9	0.333	300	Yes
13	1	333	9	0.333	300	Yes
14	1	333	9	0.333	300	Yes
15	1	333	9	0.333	300	Yes
16	1	333	9	0.333	300	Yes
17	1	333	9	0.333	300	Yes
18	1	333	9	0.333	300	Yes
19	1	333	9	0.333	300	Yes
20	1	333	9	0.333	300	Yes
21	1	333	9	0.333	300	Yes
22	1	333	9	0.333	300	Yes
23	1	333	9	0.333	300	Yes
24	1	333	9	0.333	300	Yes
25	1	333	9	0.333	300	Yes
26	1	333	9	0.333	300	Yes
27	1	333	9	0.333	300	Yes
28	1	333	9	0.333	300	Yes
29	1	333	9	0.333	300	Yes
30	1	333	9	0.333	300	Yes

~End of Report~

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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