

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT**INTENTIONAL RADIATOR CERTIFICATION TO
FCC PART 15 SUBPART E AND INDUSTRY CANADA RSS 247
REQUIREMENT DFS TEST REPORT**

OF

Applicant: silex technology, Inc.
2-3-1Hikaridai,Seika-cho,Souraku-gun,Kyoto 619-0237

Product Name: Embedded wireless module

Brand Name: Silex

Model No.: SX-SDMAC

Model Difference: N/A

FCC ID: N6C-SDMAC

IC: 4908A-SDMAC

Report Number: ER/2017/50004

FCC Rule Part: §15.407, Cat: NII

IC Rule Part: RSS-247 issue 2 Feb. 2017

Issue Date: Sep. 21, 2018

Date of Test: Aug. 08, 2018 ~ Sep. 14, 2018

**Date of EUT Re-
ceived:** Sep. 21, 2018

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Electronics & Communication Laboratory. 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 tested as described in this report is in compliance with conducted and radiated emission limits.

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

Marcus Tseng
Tested By:
Chen Chieh Chun / Engineer

Jim Chang
Approved By:
Jim Chang / Asst. Manager

**Revision History**

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Report Number	Revision	Description	Effected Page	Issue Date	Revised By
ER/2017/50004	Rev.00	Initial creation of document	All	Sep. 21, 2018	Allen Tsai / Engineer

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1 GENERAL INFORMATION

1.1 Product Description

General:

Product Name:	Embedded wireless module
Brand Name:	Silex
Model No.:	SX-SDMAC
Model Difference:	N/A
Product SW/HW version:	1.0.0.12 / N/A
Power Supply:	3.3 VDC from Power supply
Transition Rate:	802.11 a: 6/9/12/18/24/36/48/54 Mbps 802.11 n_20MHz: 6.5 – 72.2Mbps 802.11 n_40MHz: 13.5 - 150.0Mbps 802.11 ac_20MHz: 6.5 –86.7Mbps 802.11 ac_40MHz: 13.5 -200.0Mbps 802.11 ac_80MHz: 29.3 – 433.3Mbps
Modulation Technology	11a/n: OFDM (64QAM,16QAM, QPSK, BPSK) 11ac:OFDM (64QAM,16QAM, QPSK, BPSK, 256QAM)

Antenna Designation

Antenna Type	Supplier	Part No.	Peak Gain (dBi)	Peak Gain include cable loss (dBi)
			5GHz	
Chip	Unictron	H2U84W1H1S	2.3	N/A
PCB (Dipole)	Molex	146153	5.0	3.5
PCB (Dipole)	Unictron	AA258(H2B1PC1A1C)	4.4	2.0
PCB (Dipole)	Unictron	AA222(H2B1PD1A1C)	4.2	1.8
Rod type	Sansei Denki	ANTDC-081A0	2.0	N/A
Rod type	Sansei Denki	ANTDC-081B0	2.0	N/A
Rod type	Sansei Denki	ANTDP-027A0	2.1	N/A
Rod type	Sansei Denki	ANTDP-039A0	2.1	N/A
Rod type	VSO	GRF1762	2.0	N/A
Rod type	VSO	GRF1763	2.1	N/A
Rod type	VSO	GRF1802	2.0	N/A

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WLAN 5GHz:

Wi-Fi	Frequency Range	Channels	Avg. or EIRP	Rated Power(dBm) (Worst Case)	Modulation Technology
11a	5180~5240	4	EIRP	18.76	OFDM
	5260~5320	4	Avg.	13.70	
	5500~5580	5	Avg.	9.06	
	5660~5700	3	Avg.	9.52	
	5745~5825	5	Avg.	10.40	
11n_HT / ac_VHT 20M	5180~5240	4	EIRP	18.93	OFDM
	5260~5320	4	Avg.	14.00	
	5500~5580	5	Avg.	8.93	
	5660~5700	3	Avg.	8.55	
	5745~5825	5	Avg.	10.49	
11n_HT / ac_VHT 40M	5190~5230	2	EIRP	17.16	OFDM
	5270~5310	2	Avg.	12.46	
	5510~5550	2	Avg.	9.12	
	5670~5670	1	Avg.	8.66	
	5755~5795	2	Avg.	8.52	
11ac VHT80M	5210~5210	1	EIRP	13.35	OFDM
	5290~5290	1	Avg.	8.98	
	5530~5530	1	Avg.	9.49	
	5775~5775	1	Avg.	11.44	

Remark: The device will not operate in 5600~5650MHz band for IC.

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1.2 Test Methodology of Applied Standards

FCC Part 15, Subpart E §15.407
FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02
RSS-247 issue 2 Feb. 2017

Note: All test items have been performed and record as per the above standards.

1.3 Test Facility

SGS Taiwan Ltd. Electronics & Communication Laboratory No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 (TAF code 0513)

FCC Registration Number and Designation are: 509634 / TW0001
Canada Registration Number: 4620A-4

1.4 Special Accessories

There are no special accessories used while test was conducted.

1.5 Equipment Modifications

There was no modification incorporated into the EUT.

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2 SUMMARY OF TEST RESULT

FCC and ISED Rules	Description Of Test	Result
§15.407(h) & RSS 247 FCC KDB 905462 D02	TPC and DFS Measurement	Compliant

3 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
TPC and DFS Measurement	+/- 123.36 Hz
Temperature	+/- 0.65 °C
Humidity	+/- 4.6 %
DC / AC Power Source	DC= +/- 0.13%, AC=+/- 0.2%

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

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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 e.i.r.p 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).

U-NII devices operating in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection. According to RSS 247 6.3, Note: For IC the band 5600-5650 MHz, no operation is permitted.

Until further notice, devices subject to this annex shall not be capable of transmitting in the band 5600-5650 MHz. This restriction is for the protection of Environment Canada weather radars operating in this band. Devices operating in the bands 5250-5350 MHz, 5470-5600 MHz and 5650-5725 MHz band shall comply with the following:

- (a) Devices shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems (see Note below). The minimum DFS radar signal detection threshold is -62 dBm for devices with a maximum e.i.r.p. less than 200 mW, and -64 dBm for devices with a maximum e.i.r.p. of 200 mW to 1 W. The detection threshold power is the received power, averaged over a 1-microsecond reference to a 0 dBi antenna. The DFS process shall provide a uniform spreading of the loading over all the available channels.

Note: Test procedures for demonstrating compliance with the DFS radar detection requirements set out in this section are being evaluated by Industry Canada. As an interim measure, the Department will, until further notice, accept utilization of the DFS test procedures published by the U.S. Federal Communications Commission (FCC)3 to demonstrate compliance with the requirements of this section.

- (b) Operational requirements: the requirement for channel availability check time applies in the master operational mode. The requirement for channel move time applies in both the master and slave operational modes.
- (i) In-service monitoring: an LE-LAN device should be able to monitor the operating channel to check that a co-channel radar has not moved or started operation within range of the LE-LAN device.

During in-service monitoring, the LE-LAN radar detection function continuously searches for

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radar signals between normal LE-LAN transmissions.

- (ii) Channel availability check time: the device shall check if there is a radar system already operating on the channel before it initiates a transmission on a channel and when it moves to a channel. The device may start using the channel if no radar signal with a power level greater than the interference threshold value specified in A9.3 (a) above is detected within 60 seconds.
- (iii) Channel move time: after a radar's signal is detected, the device shall cease all transmissions on the operating channel within 10 seconds. Transmission during this period shall consist of normal traffic for a maximum of 200 ms after detection of the radar signal. Intermittent management and control signals may also be sent during the remaining time to facilitate vacating the operating channel.
- (iv) Channel closing time: the maximum channel closing time is 260 ms. (v) Non-occupancy period: a channel that has been flagged as containing a radar signal, either by a channel availability check or in-service monitoring, is subject to a 30-minute non-occupancy period where the channel cannot be used by the LE-LAN device. The non-occupancy period starts from the time that the radar signal is detected.

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4.2.1 Limit

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	Yes	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	$\text{Roundup} \left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

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

Three subsets of trials will be performed with a minimum of ten trials per subset. The subset of trials differ in where the Long Pulse Type 5 Signal is tuned in frequency.

- the Channel center frequency
- tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the low edge of the UUT Occupied Bandwidths
- tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the high edge of the UUT Occupied Bandwidth

It include 10 trails for every subset, the formula as below,

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

For subset case 2: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 2. The center frequency of the signal generator for each trial is calculated by:
 $FL + (0.4 * \text{Chirp Width [in MHz]})$

For subset case 3: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 3. The center frequency of the signal generator for each trial is calculated by:
 $FL - (0.4 * \text{Chirp Width [in MHz]})$

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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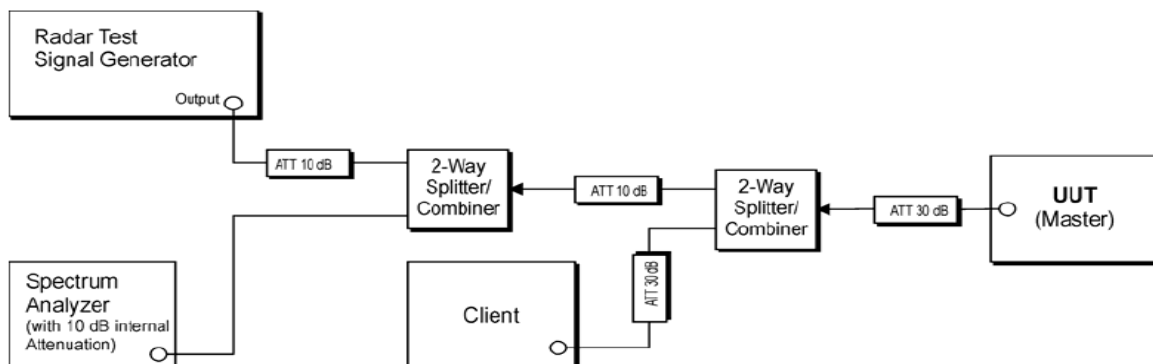
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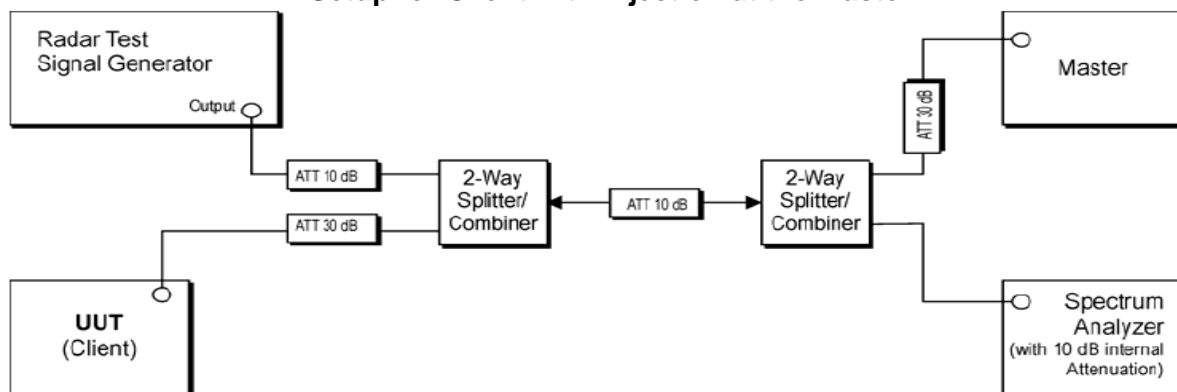
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4.2.2 Test Setup

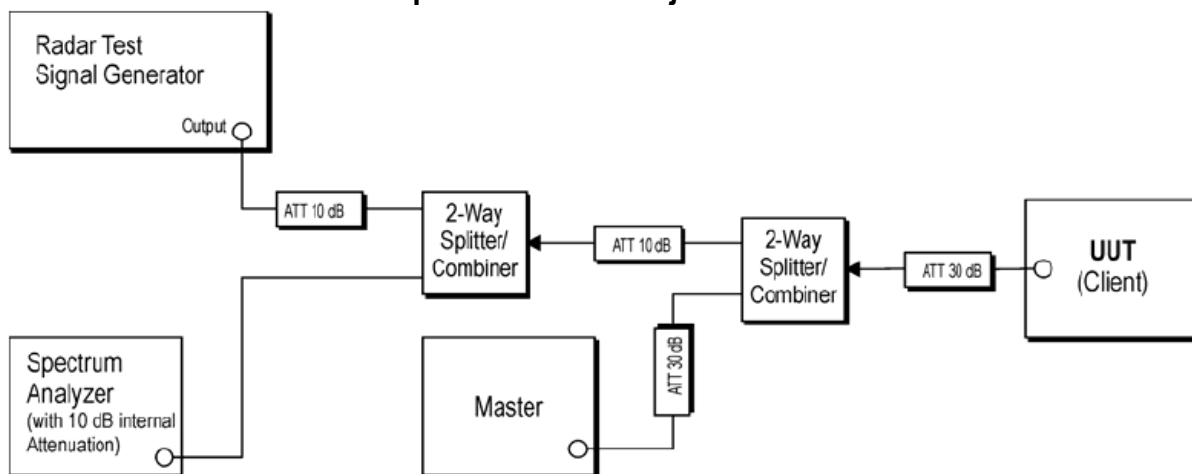
Setup for Master with injection at the Master



Setup for Client with injection at the Master



Setup for Client with injection at the Client



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4.2.3 Test Equipment Used:

Conducted Emission Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
PXA Spectrum Analyzer	Agilent	N9030A	MY53120760	2018/04/09	2019/04/08
Signal Generator	Agilent	N5172B	MY53050661	2018/04/05	2019/04/04
Power Splitter	Mini-Circuits	ZN2PD-9G-S +	N/A	2018/01/02	2019/01/01
Power Splitter	Mini-Circuits	ZN2PD-9G-S +	N/A	2018/01/02	2019/01/01
Attenuator	Agilent	8495B	3308A22470	2018/01/02	2019/01/01
Attenuator	HP	8494B	2812A170605	2018/01/02	2019/01/01
Notebook	Lenovo	T440P	P0000564	N/A	N/A

4.2.4 Description of EUT:

EUT operates over the 5250-5350MHz and 5470-5725MHz ranges and EUT is a Master device with radar detection and DFS capability.

For FCC the EUT operates over the 5250-5350 MHz and 5470-5725 MHz ranges.

The EUT utilizes the 802.11ac architecture. Three nominal channel bandwidths are implemented: 20 MHz, 40 MHz and 80 MHz.

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 < 23dBm (EIRP). Therefore the required interference threshold level is -62 dBm.

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.

The software installed in the access point is firmware-venom-arm revision 1.0.0.12

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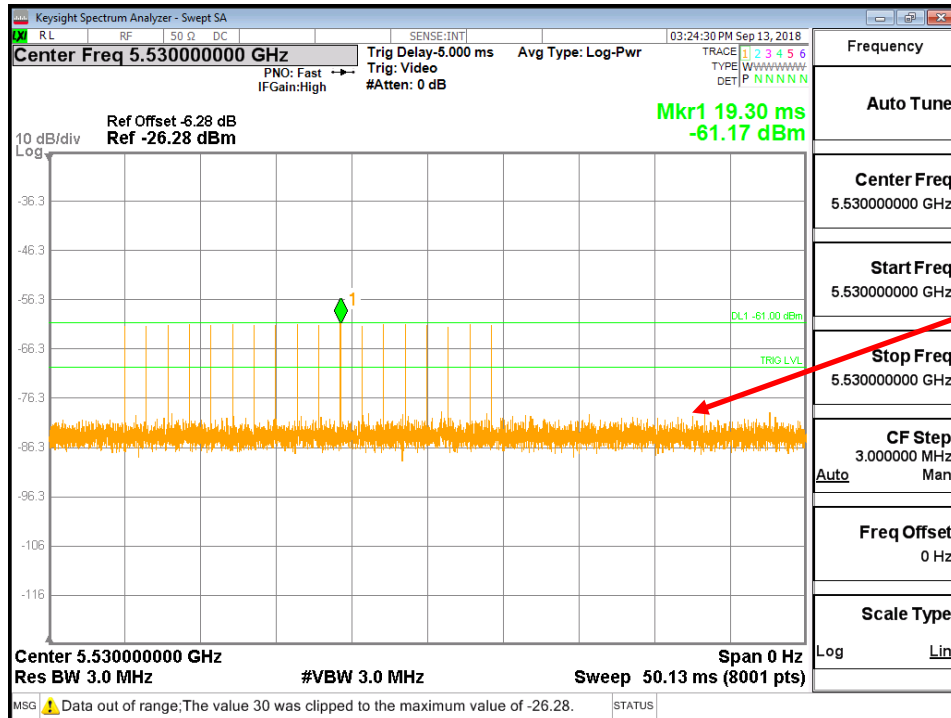
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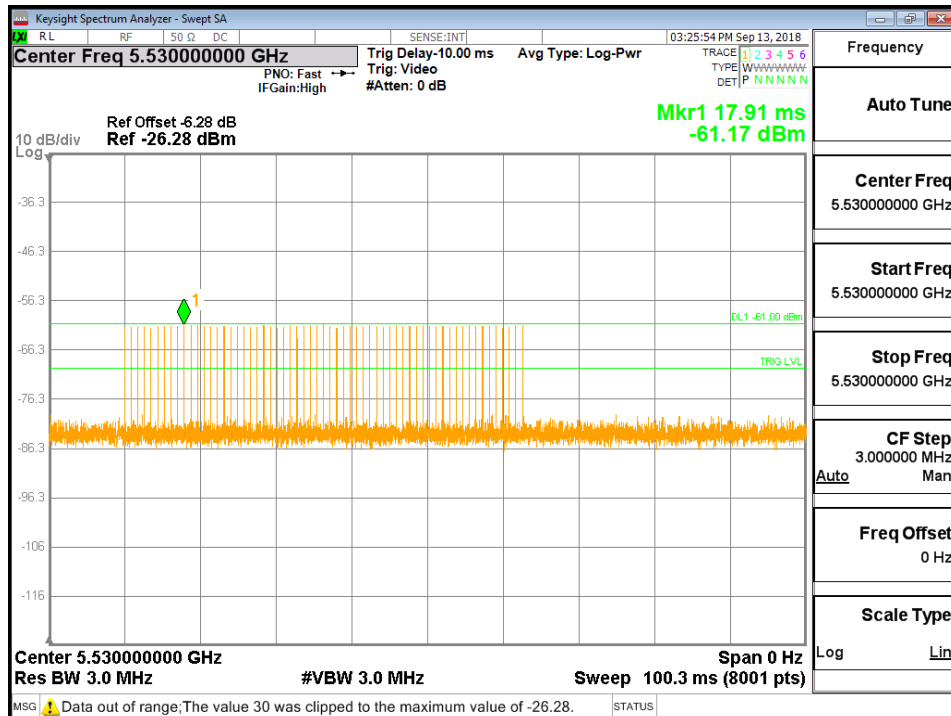
Test results

Calibration plots for each of the required radar waveforms (DFS Detection Threshold) Radar type 0



Noise Floor

Radar type 1-A



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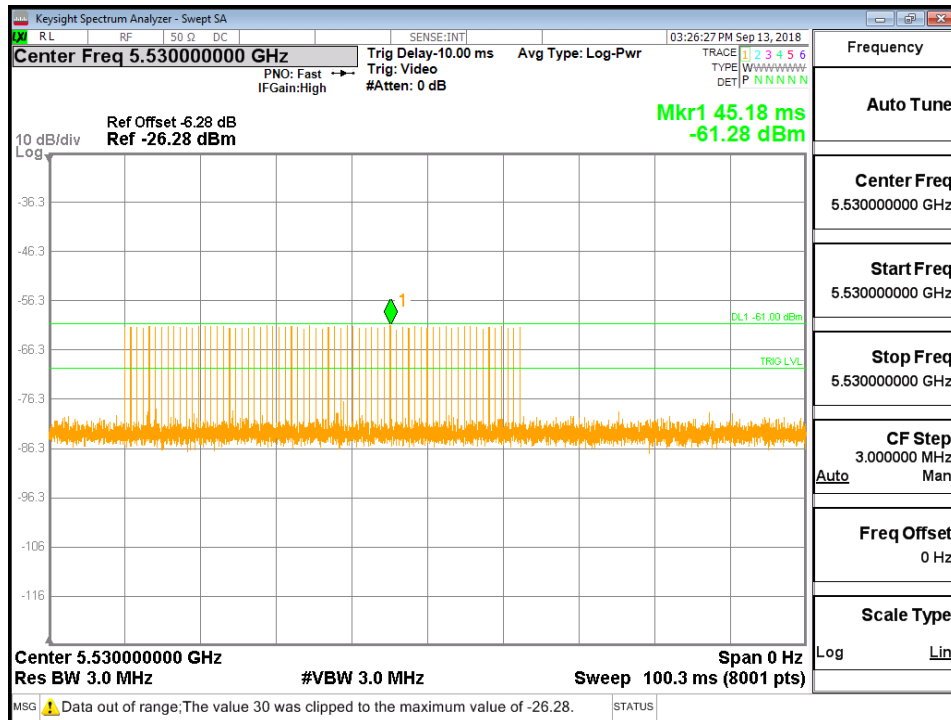
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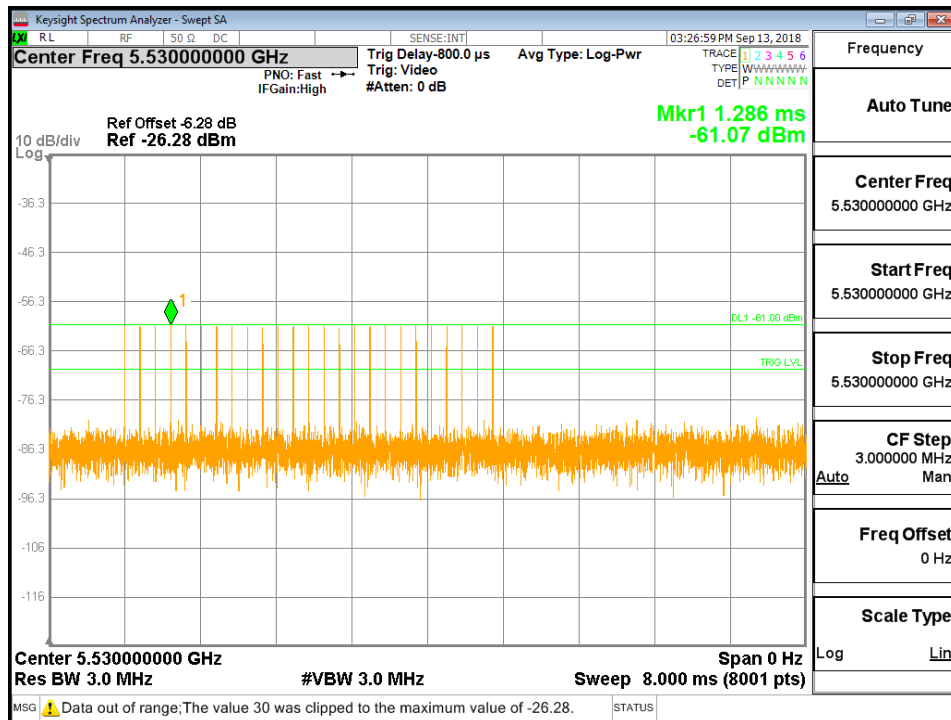
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Radar type 1-B



Radar type 2



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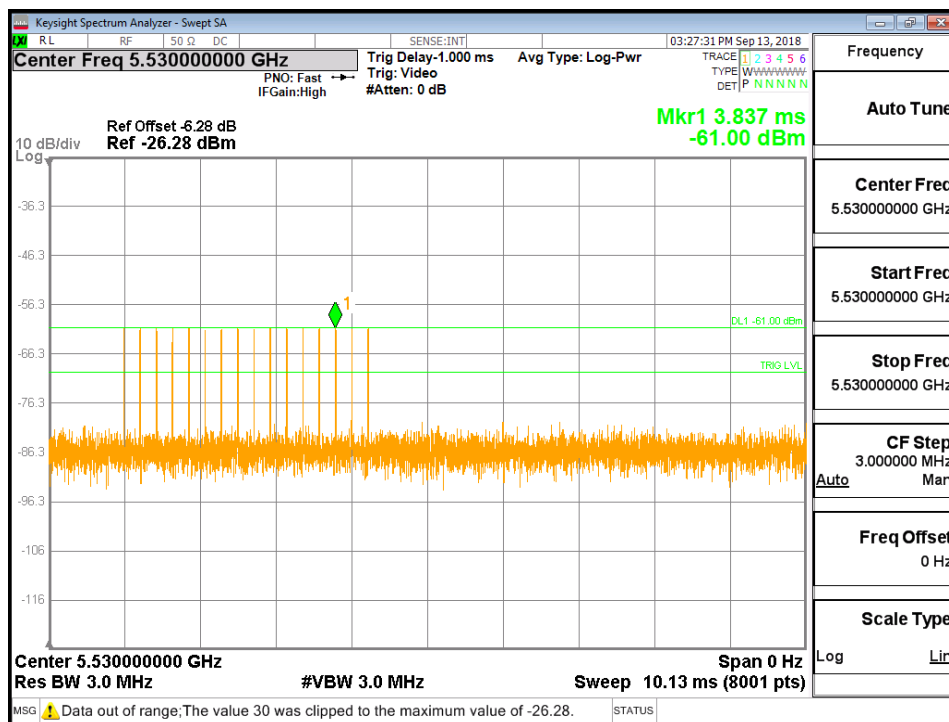
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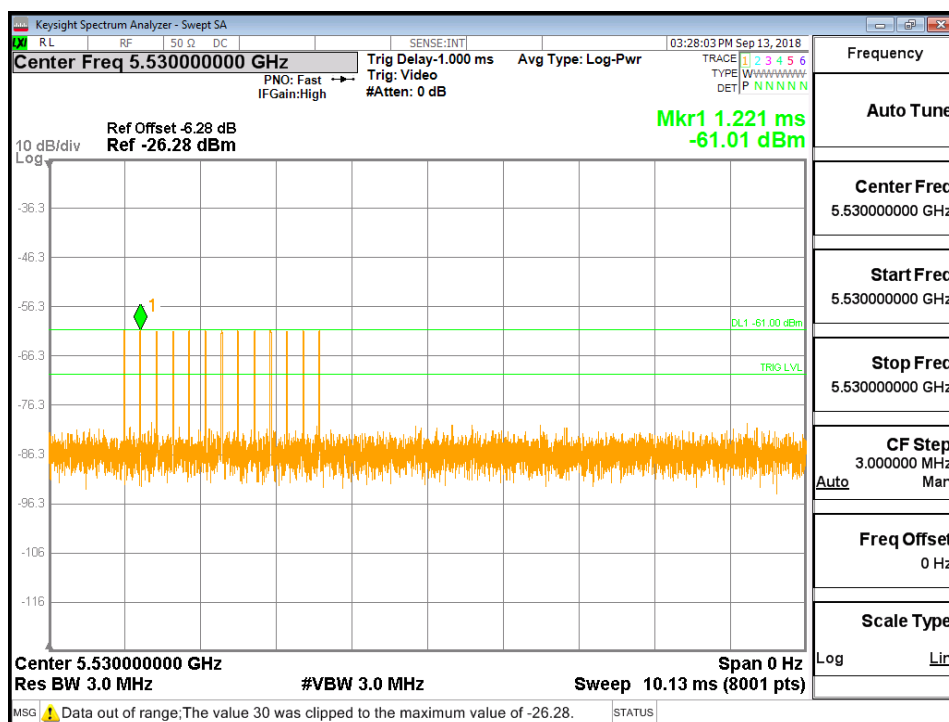
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Radar type 3



Radar type 4



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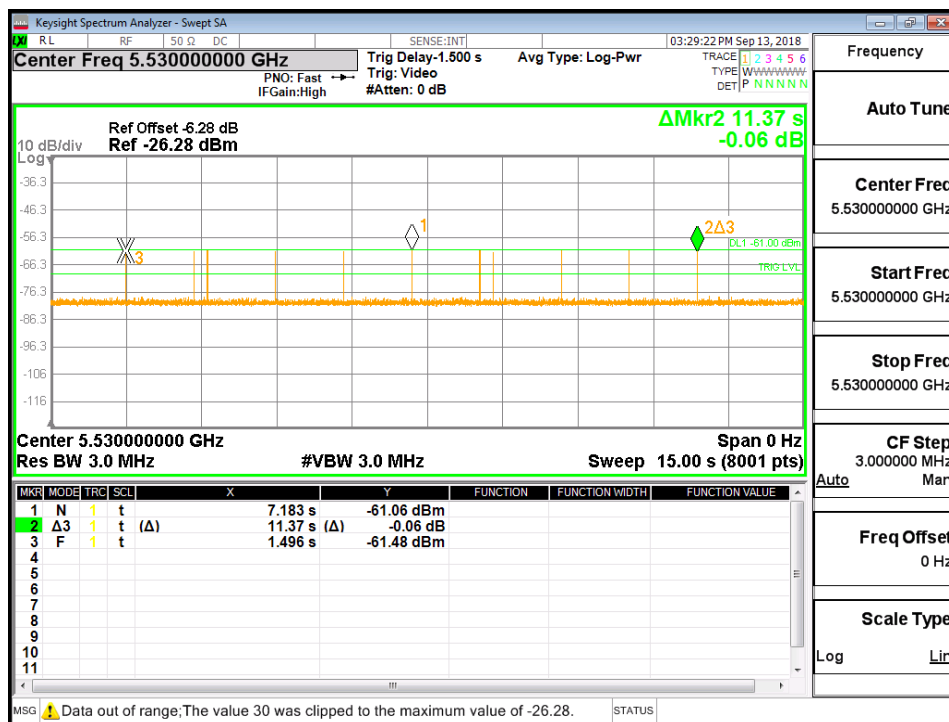
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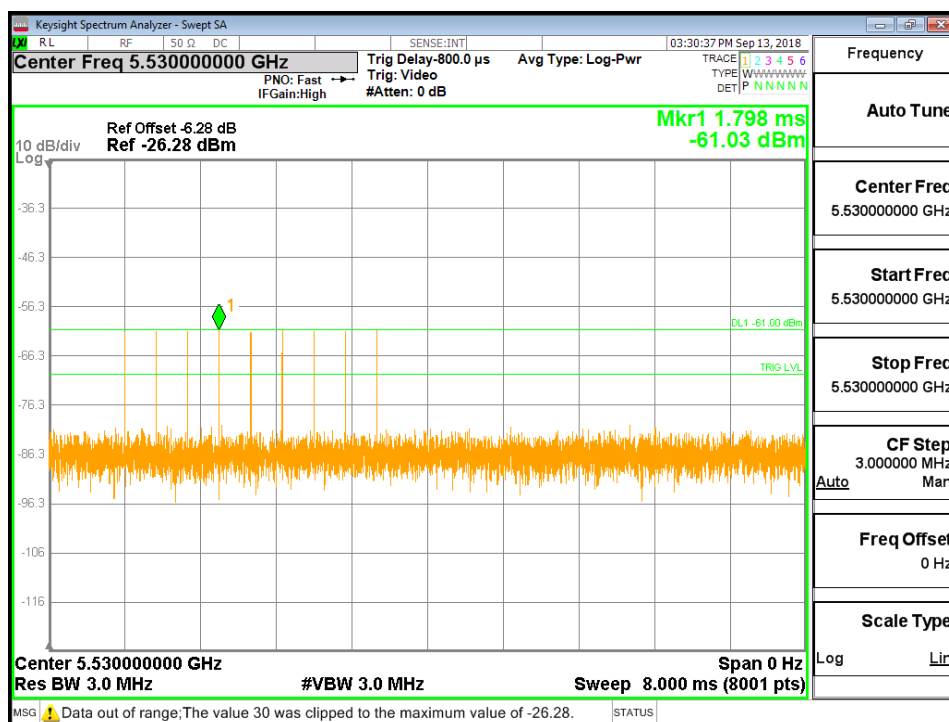
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Radar type 5



Radar type 6



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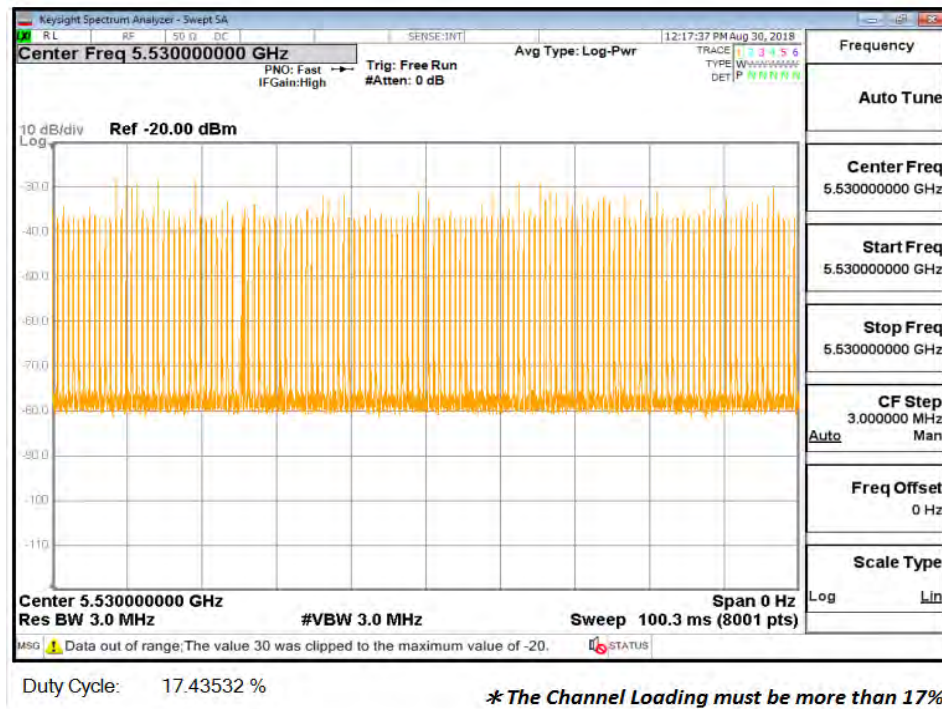
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WLAN traffic



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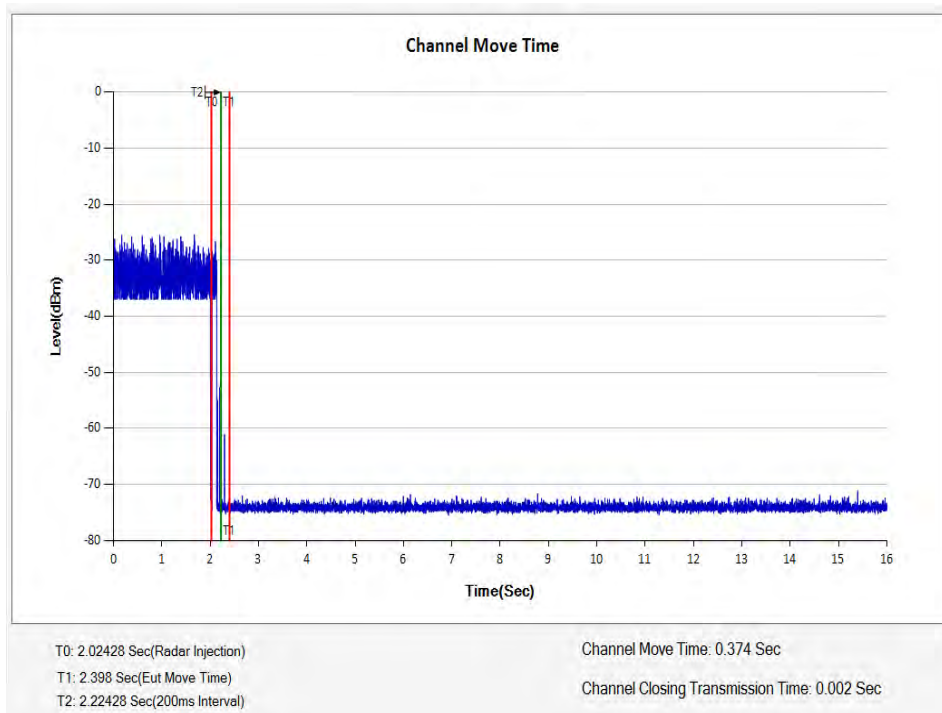
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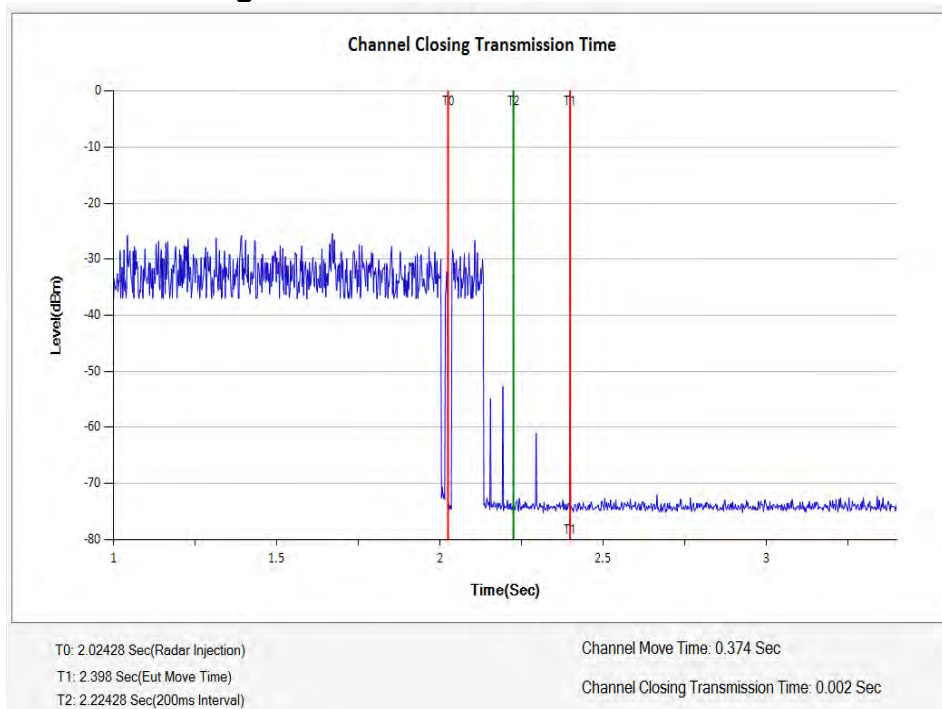
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4.3 Channel Closing Transmission and Channel Move Time Measurement Radar Type 0 Channel Move Time



Radar Type 0 Channel Closing Transmission Time



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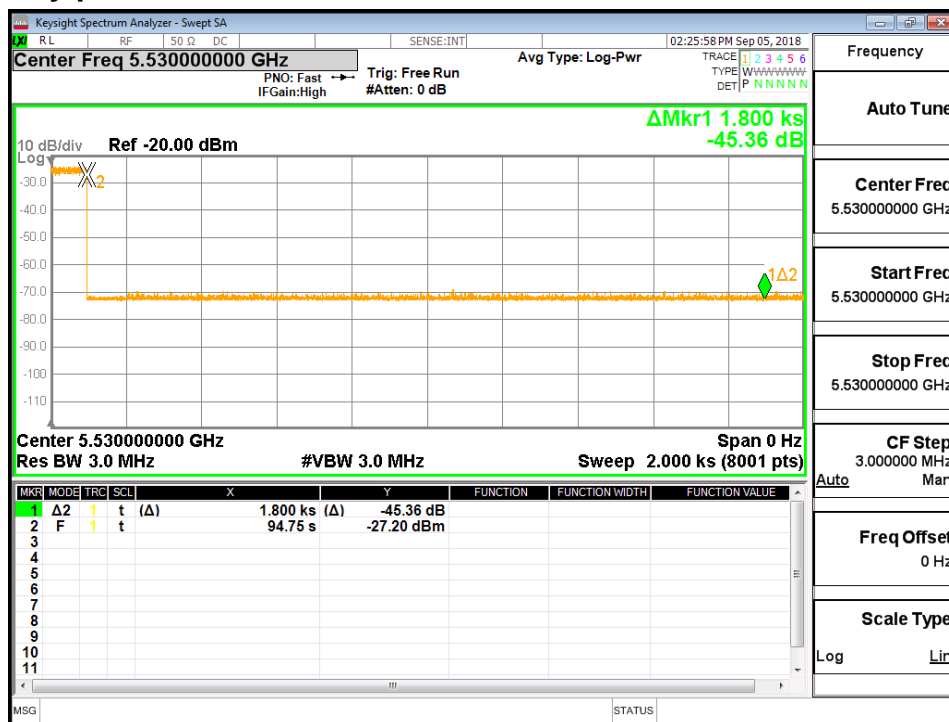
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4.4 Non-occupancy period Measurement



Verdict:

To verify whether channel is unavailable to be operated in 30 minutes.
 $1.8\text{ks} = 1800\text{s} = 1800 \text{ s/min} / 60 = 30\text{minute}$

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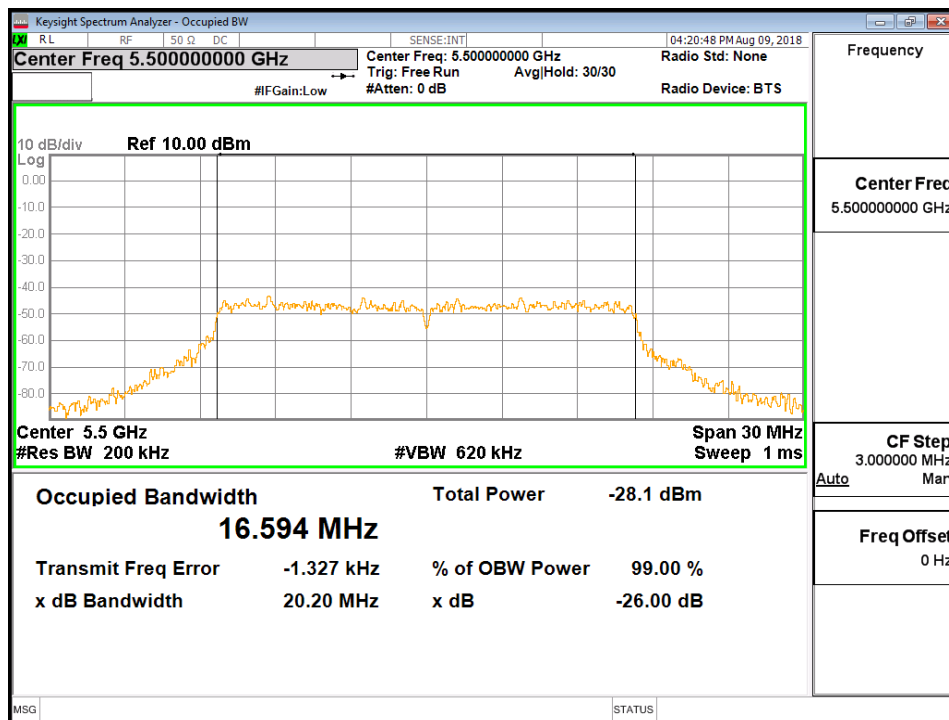
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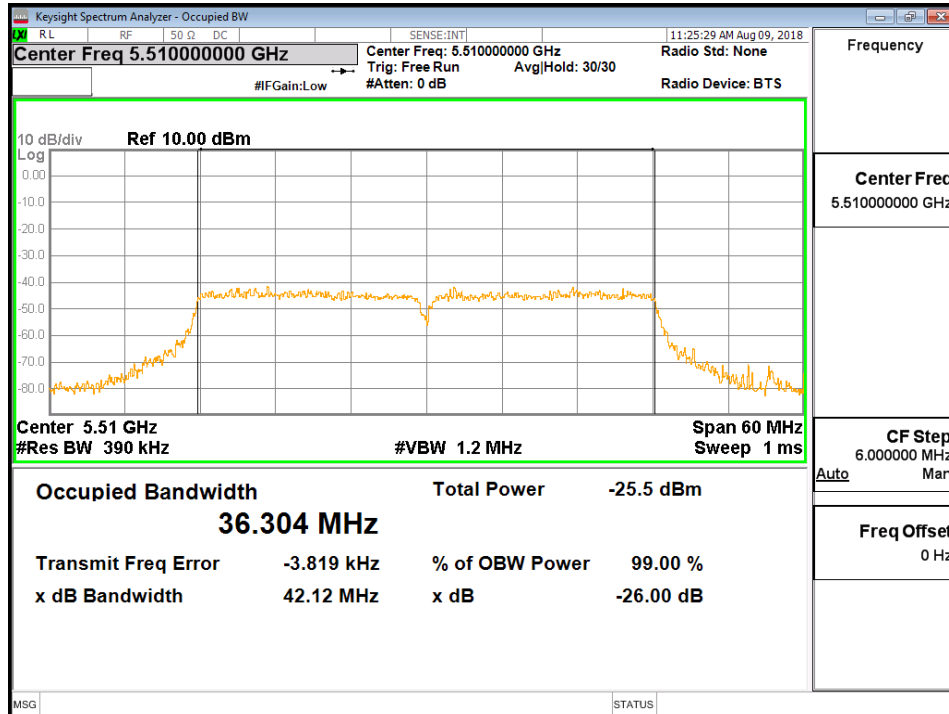
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4.5 UNII Detection Bandwidth Measurement

802.11a:



802.11ac40:



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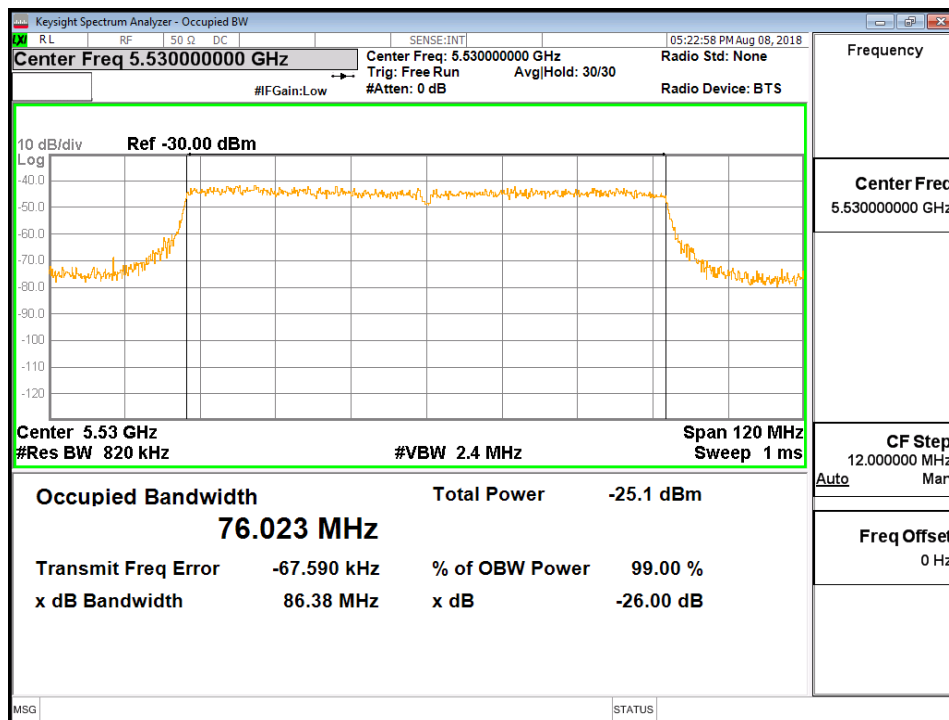
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802.11ac80:



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Channel Bandwidth 20MHz

EUT operating Fre- quency(MHz)	:	5500	EUT 99% Bandwidth(MHz)		:	16.594					
Radar Type	:	Type 0	Detction BW(MHz)		:	19					
Test Result	:	Pass	※ FH:	5510	FL:	5491					
Radio Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5490	0	1	0	0	1	0	0	0	0	0	20
5491	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

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Channel Bandwidth 40MHz

EUT operating Fre- quency(MHz)	:	5510	EUT 99% Bandwidth(MHz)				:	36.304			
Radar Type	:	Type 0	Detction BW(MHz)				:	38			
Test Result	:	Pass	※	FH:	5529	FL:	5491				
Radio Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5490	0	0	0	0	1	0	0	0	0	0	10
5491	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
5529	1	1	1	1	1	1	1	1	1	1	100
5530	0	0	0	0	0	0	0	0	0	1	10

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Channel Bandwidth 80MHz

EUT operating Fre- quency(MHz)	:	5530	EUT 99% Bandwidth(MHz)		:	76.023					
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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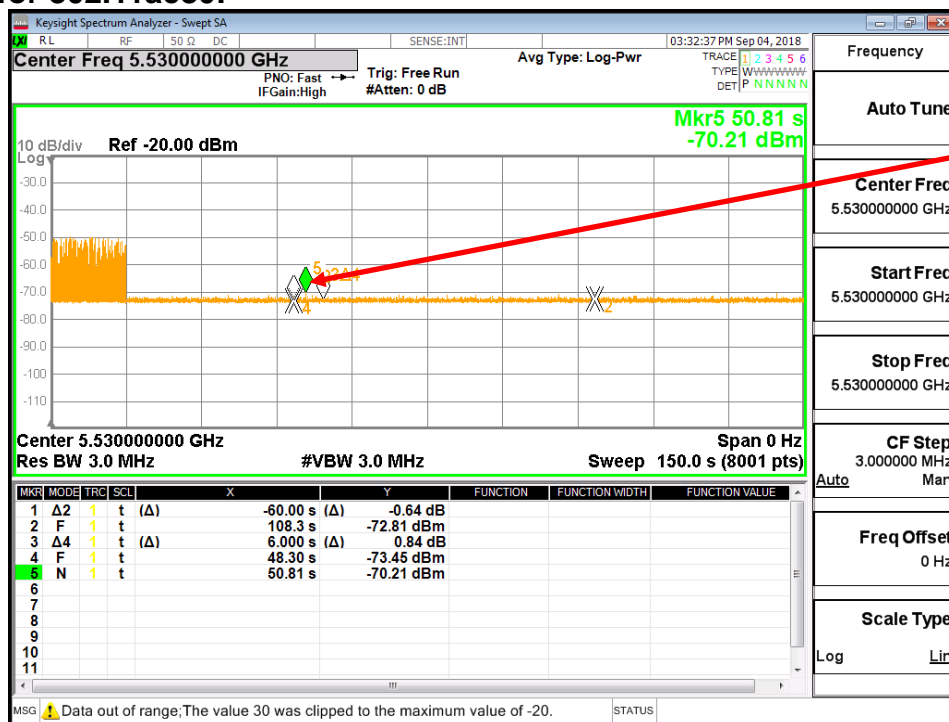
4.6 Channel Availability Check Measurement

The time of channel availability check (60s)



Where T1~T2 indicates the time to power up, where T2~T3 represents the channel availability time.

Radar type 0 for 802.11ac80:



Radar signal

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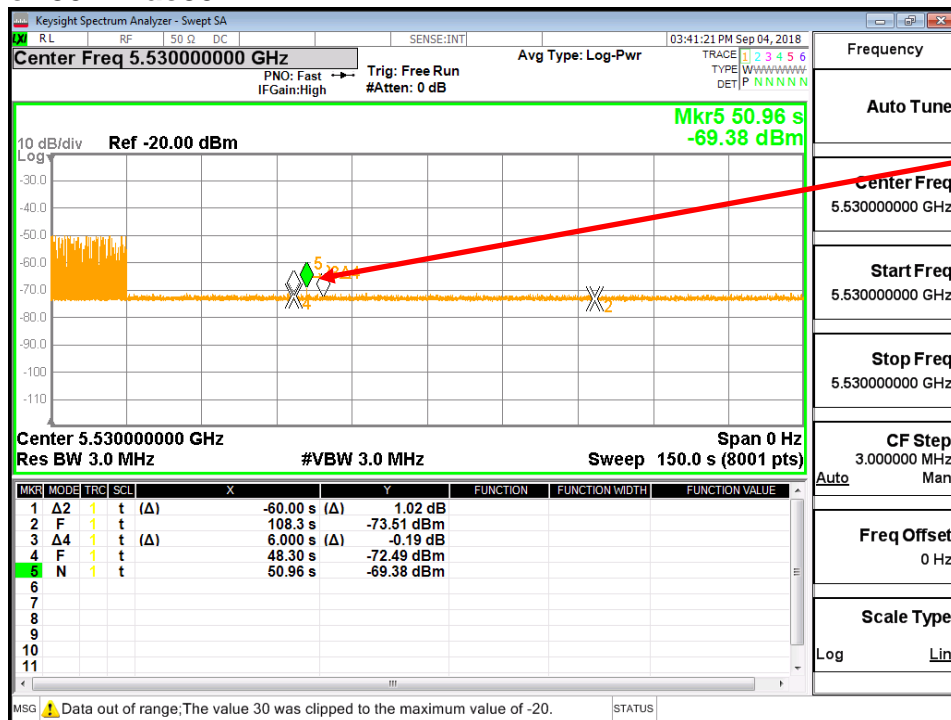
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Radar type 0 for 802.11ac80:



Radar signal

Radar type 1 for 802.11ac80:



Radar signal

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Radar type 2 for 802.11ac80:



Radar signal

Radar type 3 for 802.11ac80:



Radar signal

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Radar type 4 for 802.11ac80:



Radar signal

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4.7 Uniform Spreading Measurement

In-Service Monitoring:

802.11a 5500 MHz:

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	100		60	Pass
4	30	100		60	Pass
Aggregate (Radar Types 1-4)	120	100		80	Pass
Long Pulse Radar Type	Minimum Number of Trials	Each Detection(%)	Total Detection(%)	Minmum Percentage of Successful Detection(%)	Pass/Faill
5	Center:10	100	93.33333333	80	Pass
	Low Edge:10	80			
	High Edge:10	100			
Frequency Hopping Radar Type	Minimum Number of Trials	Detection(%)		Minmum Percentage of Successful Detection(%)	Pass/Faill
6	30	100		70	Pass

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Radar Type 1 for 802.11a 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	5505	19	1139	878	A	Yes
2	5492	1	1930.5	518	A	Yes
3	5504	17	1193.3	838	A	Yes
4	5494	20	1113.6	898	A	Yes
5	5492	10	1432.7	698	A	Yes
6	5499	6	1618.1	618	A	Yes
7	5505	15	1253.1	798	A	Yes
8	5498	4	1730.1	578	A	Yes
9	5500	18	1165.5	858	A	Yes
10	5503	21	1089.3	918	A	Yes
11	5501	8	1519.8	658	A	Yes
12	5497	5	1672.2	598	A	Yes
13	5503	22	1066.1	938	A	Yes
14	5498	2	1858.7	538	A	Yes
15	5498	16	1222.5	818	A	Yes
16	5500	-	347.5	2878	B	Yes
17	5502	-	745.7	1341	B	Yes
18	5492	-	885	1130	B	Yes
19	5501	-	401.8	2489	B	Yes
20	5507	-	598.4	1671	B	Yes
21	5499	-	520.3	1922	B	Yes
22	5499	-	1227	815	B	Yes
23	5493	-	340	2941	B	Yes
24	5492	-	327.7	3052	B	Yes
25	5496	-	739.1	1353	B	Yes
26	5503	-	675.7	1480	B	Yes
27	5493	-	367.2	2723	B	Yes
28	5498	-	726.2	1377	B	Yes
29	5507	-	827.8	1208	B	Yes
30	5500	-	393.4	2542	B	Yes

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Radar Type 2 for 802.11a 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	5507	25	2.2	162	Yes
2	5492	25	2.3	153	Yes
3	5499	29	4.6	218	Yes
4	5498	24	1.9	202	Yes
5	5506	23	1	212	Yes
6	5492	23	1	176	Yes
7	5502	25	2.7	152	Yes
8	5505	24	1.6	170	Yes
9	5496	27	3.3	221	Yes
10	5506	27	3.9	163	Yes
11	5495	24	2	196	Yes
12	5503	27	3.9	190	Yes
13	5494	24	1.7	180	Yes
14	5503	28	4.2	192	Yes
15	5506	27	3.5	161	Yes
16	5507	23	1.2	222	Yes
17	5502	29	4.6	213	Yes
18	5500	29	4.5	155	Yes
19	5500	28	3.9	199	Yes
20	5506	28	3.9	187	Yes
21	5500	23	1.5	175	Yes
22	5506	23	1.2	168	Yes
23	5492	25	2.2	228	Yes
24	5501	23	1	191	Yes
25	5499	25	2.5	230	Yes
26	5496	29	5	203	Yes
27	5502	25	2.4	210	Yes
28	5498	26	2.7	181	Yes
29	5500	28	4.1	214	Yes
30	5500	24	1.8	164	Yes

Radar Type 3 for 802.11a 5500 MHz:

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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
			(μs)	(μs)	(Yes/No)
1	5496	16	7.2	218	Yes
2	5496	16	7.3	284	Yes
3	5498	18	9.6	446	Yes
4	5506	16	6.9	458	Yes
5	5498	16	6	226	Yes
6	5500	16	6	337	Yes
7	5497	17	7.7	475	Yes
8	5502	16	6.6	429	Yes
9	5503	17	8.3	427	Yes
10	5507	18	8.9	442	Yes
11	5498	16	7	285	Yes
12	5503	18	8.9	267	Yes
13	5503	16	6.7	286	Yes
14	5494	18	9.2	323	Yes
15	5507	17	8.5	264	Yes
16	5496	16	6.2	495	Yes
17	5493	18	9.6	365	Yes
18	5501	18	9.5	239	Yes
19	5492	18	8.9	367	Yes
20	5495	18	8.9	457	Yes
21	5493	16	6.5	406	Yes
22	5504	16	6.2	297	Yes
23	5501	16	7.2	404	Yes
24	5492	16	6	373	Yes
25	5502	17	7.5	322	Yes
26	5500	18	10	391	Yes
27	5501	17	7.4	484	Yes
28	5498	17	7.7	266	Yes
29	5498	18	9.1	278	Yes
30	5496	16	6.8	246	Yes

Radar Type 4 for 802.11a 5500 MHz:

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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	5498	13	13.7	218	Yes
2	5505	13	13.9	284	Yes
3	5494	16	19.1	446	Yes
4	5503	13	13	458	Yes
5	5493	12	11	226	Yes
6	5503	12	11.1	337	Yes
7	5507	14	14.8	475	Yes
8	5502	12	12.3	429	Yes
9	5492	14	16.2	427	Yes
10	5495	15	17.4	442	Yes
11	5506	13	13.3	285	Yes
12	5503	15	17.4	267	Yes
13	5501	12	12.6	286	Yes
14	5504	15	18.1	323	Yes
15	5506	15	16.5	264	Yes
16	5501	12	11.5	495	Yes
17	5495	16	19.1	365	Yes
18	5501	16	18.9	239	Yes
19	5498	15	17.5	367	Yes
20	5507	15	17.6	457	Yes
21	5502	12	12.2	406	Yes
22	5503	12	11.5	297	Yes
23	5497	13	13.7	404	Yes
24	5500	12	11	373	Yes
25	5498	13	14.5	322	Yes
26	5504	16	19.9	391	Yes
27	5499	13	14.1	484	Yes
28	5503	14	14.9	266	Yes
29	5493	15	17.9	278	Yes
30	5500	13	12.8	246	Yes

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Radar Type 5 for 802.11a 5500 MHz:

Data Sheet for FCC Radar Type 5						
Trial Number:			1	VSG Frequency(MHz):		5500
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	64.9	9			0
2	1	66.4	9			1090909
3	3	95.1	9	1290.9	1670.9	2181818
4	1	61.1	9			3272727
5	1	50.3	9			4363636
6	1	51	9			5454545
7	2	71.2	9	963.8		6545455
8	1	57.5	9			7636364
9	2	78.8	9	1018.2		8727273
10	3	85.7	9	1535.3	1428.3	9818182
11	1	62.7	9			10909091

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Data Sheet for FCC Radar Type 5						
Trial Number:			2	VSG Frequency(MHz):		5500
Number of Bursts in Trial:			12	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	85.6	10	1611.4	947.4	0
2	1	58.9	10			1000000
3	3	89.1	10	1217.9	1158.9	2000000
4	2	80.5	10	994.5		3000000
5	1	52.7	10			4000000
6	3	94.6	10	1491.4	1045.4	5000000
7	3	93.8	10	1388.2	1026.2	6000000
8	3	86.2	10	1259.8	951.8	7000000
9	3	86.5	10	1197.5	1863.5	8000000
10	1	56.9	10			9000000
11	1	52.9	10			10000000
12	1	65.1	10			11000000

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Data Sheet for FCC Radar Type 5						
Trial Number:			3	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	50.4	19			0
2	2	69.3	19	943.7		631579
3	3	99.2	19	1082.8	1702.8	1263158
4	2	67.4	19	1824.6		1894737
5	2	71.8	19	1561.2		2526316
6	3	88.5	19	1289.5	1003.5	3157895
7	1	60.1	19			3789474
8	3	92.6	19	1355.4	1700.4	4421053
9	3	87.4	19	1479.6	1211.6	5052632
10	1	56.4	19			5684211
11	1	52.6	19			6315789
12	2	71.7	19	1843.3		6947368
13	1	51.2	19			7578947
14	3	85.9	19	1816.1	1497.1	8210526
15	2	71.8	19	1487.2		8842105
16	1	64.8	19			9473684
17	1	50.6	19			10105263
18	1	62	19			10736842
19	3	93.3	19	1394.7	1801.7	11368421

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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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	90.3	8	1528.7	1587.7	0
2	3	89.6	8	1654.4	984.4	1200000
3	2	79.3	8	1703.7		2400000
4	1	61.5	8			3600000
5	2	74.9	8	1184.1		4800000
6	1	51	8			6000000
7	1	58.1	8			7200000
8	3	90.6	8	1562.4	1262.4	8400000
9	2	69.5	8	1620.5		9600000
10	1	58.9	8			10800000

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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	73.5	5	1253.5		0
2	1	50.1	5			1500000
3	1	65.6	5			3000000
4	1	62	5			4500000
5	1	51.2	5			6000000
6	3	94.7	5	1606.3	954.3	7500000
7	3	91.8	5	1590.2	1774.2	9000000
8	1	51.1	5			10500000

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Data Sheet for FCC Radar Type 5						
Trial Number:			6	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	83.6	5	1038.4	1830.4	0
2	3	99.4	5	947.6	1670.6	1500000
3	2	69.1	5	1483.9		3000000
4	2	68.7	5	1717.3		4500000
5	3	93.2	5	1262.8	1294.8	6000000
6	2	75.3	5	1568.7		7500000
7	2	79.1	5	1643.9		9000000
8	1	56.2	5			10500000

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Data Sheet for FCC Radar Type 5						
Trial Number:			7	VSG Frequency(MHz):		5500
Number of Bursts in Trial:			13	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	67.4	11	1654.6		0
2	2	79.3	11	1435.7		923077
3	2	66.9	11	1213.1		1846154
4	2	72.7	11	972.3		2769231
5	2	78.9	11	949.1		3692308
6	3	85.5	11	1786.5	916.5	4615385
7	2	74.4	11	1366.6		5538462
8	1	63.6	11			6461538
9	1	62.6	11			7384615
10	2	75.5	11	1383.5		8307692
11	2	71.1	11	1038.9		9230769
12	1	57.8	11			10153846
13	2	74.3	11	1634.7		11076923

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Data Sheet for FCC Radar Type 5						
Trial Number:			8	VSG Frequency(MHz):		5500
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	66.4	7			0
2	1	63.6	7			1333333
3	3	97.9	7	1045.1	1081.1	2666667
4	3	90.6	7	1302.4	1684.4	4000000
5	3	83.6	7	1828.4	1259.4	5333333
6	1	63.9	7			6666667
7	1	56.3	7			8000000
8	3	87	7	1385	1520	9333333
9	1	59.7	7			10666667

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Data Sheet for FCC Radar Type 5						
Trial Number:			9	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	100	14	1509	1165	0
2	3	91.3	14	1424.7	1782.7	800000
3	2	80.1	14	1718.9		1600000
4	1	63.6	14			2400000
5	2	67.1	14	1270.9		3200000
6	1	62.7	14			4000000
7	2	74.2	14	1202.8		4800000
8	2	71.5	14	1874.5		5600000
9	3	96.5	14	1075.5	1206.5	6400000
10	1	53.9	14			7200000
11	2	82.4	14	1047.6		8000000
12	2	68.6	14	1617.4		8800000
13	3	83.7	14	1642.3	1296.3	9600000
14	2	78.9	14	1591.1		10400000
15	2	73.6	14	1589.4		11200000

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Data Sheet for FCC Radar Type 5						
Trial Number:			10	VSG Frequency(MHz):		5500
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	96.8	16	1034.2	987.2	0
2	2	80.1	16	1058.9		705882
3	3	88	16	1508	1382	1411765
4	2	75.7	16	1211.3		2117647
5	1	51.9	16			2823529
6	3	99.4	16	1810.6	1428.6	3529412
7	2	75.7	16	1558.3		4235294
8	2	73.5	16	1073.5		4941176
9	3	83.9	16	1888.1	1533.1	5647059
10	2	76.8	16	1283.2		6352941
11	2	67.2	16	1019.8		7058824
12	3	85.7	16	1562.3	1585.3	7764706
13	2	71.2	16	1041.8		8470588
14	2	78.2	16	1613.8		9176471
15	1	59.5	16			9882353
16	1	61.4	16			10588235
17	2	72.8	16	1589.2		11294118

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Data Sheet for FCC Radar Type 5						
Trial Number:			11	VSG Frequency(MHz):		5495.303
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	69.3	9	1582.7		0
2	1	57.6	9			1090909
3	2	79.3	9	1538.7		2181818
4	2	75.7	9	1448.3		3272727
5	3	92.7	9	1402.3	1553.3	4363636
6	1	65.2	9			5454545
7	2	68.4	9	934.6		6545455
8	1	61.7	9			7636364
9	3	89.5	9	1804.5	1578.5	8727273
10	3	91.1	9	1614.9	1771.9	9818182
11	2	79.1	9	1644.9		10909091

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Data Sheet for FCC Radar Type 5						
Trial Number:			12	VSG Frequency(MHz):		5498.103
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	67.1	16	1475.9		0
2	2	75.5	16	1837.5		705882
3	1	55.7	16			1411765
4	2	82.7	16	1386.3		2117647
5	3	84.8	16	1336.2	1696.2	2823529
6	2	74.3	16	1609.7		3529412
7	3	93.9	16	1794.1	968.1	4235294
8	1	53.5	16			4941176
9	2	75.9	16	1876.1		5647059
10	2	80.6	16	1372.4		6352941
11	3	85	16	1381	1635	7058824
12	1	60.3	16			7764706
13	2	74.2	16	961.8		8470588
14	2	67.7	16	985.3		9176471
15	3	96.3	16	1018.7	1846.7	9882353
16	3	86.9	16	1394.1	1580.1	10588235
17	3	99.9	16	1172.1	1876.1	11294118

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Data Sheet for FCC Radar Type 5						
Trial Number:			13	VSG Frequency(MHz):		5494.503
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	77	7	1765		0
2	1	53	7			1200000
3	3	93.4	7	1857.6	1752.6	2400000
4	3	86.9	7	1381.1	1877.1	3600000
5	3	92.6	7	1758.4	1137.4	4800000
6	1	59.5	7			6000000
7	3	99.3	7	1619.7	1112.7	7200000
8	2	76.1	7	1751.9		8400000
9	3	99.7	7	993.3	1306.3	9600000
10	3	98	7	1198	1770	10800000

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Data Sheet for FCC Radar Type 5						
Trial Number:			14	VSG Frequency(MHz):		5498.503
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	54.1	17			0
2	1	64.8	17			666667
3	2	69.5	17	1930.5		1333333
4	1	64	17			2000000
5	1	62.5	17			2666667
6	1	58.2	17			3333333
7	3	96.7	17	1637.3	1710.3	4000000
8	1	56.4	17			4666667
9	1	58.3	17			5333333
10	2	71.1	17	1436.9		6000000
11	3	84.6	17	1386.4	1615.4	6666667
12	1	50.9	17			7333333
13	3	97	17	1493	1826	8000000
14	3	84.3	17	1143.7	1292.7	8666667
15	1	56	17			9333333
16	3	85.5	17	1375.5	1297.5	10000000
17	3	92.3	17	1534.7	1152.7	10666667
18	3	84.4	17	1227.6	1406.6	11333333

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Data Sheet for FCC Radar Type 5						
Trial Number:			15	VSG Frequency(MHz):		5497.303
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	97.3	14	1040.7	1143.7	0
2	1	55	14			800000
3	1	58	14			1600000
4	3	96.4	14	1514.6	1319.6	2400000
5	2	78.4	14	1900.6		3200000
6	2	68.6	14	1427.4		4000000
7	3	84.8	14	1889.2	1399.2	4800000
8	3	86.5	14	1074.5	1556.5	5600000
9	3	97.8	14	1334.2	1016.2	6400000
10	3	92.2	14	1310.8	997.8	7200000
11	2	74.6	14	1192.4		8000000
12	1	65.9	14			8800000
13	1	56.4	14			9600000
14	1	56.6	14			10400000
15	3	85.2	14	1517.8	1668.8	11200000

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Data Sheet for FCC Radar Type 5						
Trial Number:			16	VSG Frequency(MHz):		5493.703
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	76.3	5	1044.7		0
2	3	89.8	5	1586.2	1001.2	1500000
3	3	88.8	5	1792.2	1782.2	3000000
4	1	56.3	5			4500000
5	1	66.6	5			6000000
6	2	72.4	5	1260.6		7500000
7	1	52.1	5			9000000
8	2	77.6	5	1456.4		10500000

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Data Sheet for FCC Radar Type 5						
Trial Number:			17	VSG Frequency(MHz):		5499.303
Number of Bursts in Trial:			19	Successful Detection:		No
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	61.3	19			0
2	3	87.9	19	979.1	1067.1	631579
3	1	65.7	19			1263158
4	1	65.2	19			1894737
5	2	76	19	1374		2526316
6	1	56	19			3157895
7	1	59.1	19			3789474
8	2	80.9	19	1356.1		4421053
9	1	57	19			5052632
10	2	67.3	19	1311.7		5684211
11	1	64.9	19			6315789
12	2	78.8	19	1498.2		6947368
13	3	94.6	19	1357.4	924.4	7578947
14	3	90	19	1366	1590	8210526
15	1	57.7	19			8842105
16	3	86.4	19	1493.6	1809.6	9473684
17	1	50.9	19			10105263
18	2	79.2	19	1649.8		10736842
19	2	76.1	19	1209.9		11368421

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Data Sheet for FCC Radar Type 5						
Trial Number:			18	VSG Frequency(MHz):		5498.903
Number of Bursts in Trial:			19	Successful Detection:		No
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	60.5	18			0
2	1	54.4	18			631579
3	2	81.8	18	1462.2		1263158
4	3	92.5	18	1146.5	1689.5	1894737
5	1	64.6	18			2526316
6	2	78	18	954		3157895
7	1	65.8	18			3789474
8	2	70.6	18	1769.4		4421053
9	3	94.5	18	1391.5	1132.5	5052632
10	2	67.2	18	1097.8		5684211
11	2	79.1	18	1920.9		6315789
12	2	75.7	18	1506.3		6947368
13	1	61.9	18			7578947
14	3	95.2	18	943.8	1716.8	8210526
15	2	77.4	18	1857.6		8842105
16	3	96.8	18	1848.2	960.2	9473684
17	1	58.5	18			10105263
18	1	62.7	18			10736842
19	1	53.3	18			11368421

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Data Sheet for FCC Radar Type 5						
Trial Number:			19	VSG Frequency(MHz):		5498.103
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	58.7	16			0
2	2	80.4	16	1618.6		705882
3	3	88.6	16	1199.4	1120.4	1411765
4	1	61.2	16			2117647
5	2	67.5	16	996.5		2823529
6	3	98.6	16	1653.4	1345.4	3529412
7	3	91.6	16	1533.4	1679.4	4235294
8	2	77.9	16	1169.1		4941176
9	3	90.6	16	1630.4	1078.4	5647059
10	3	86.4	16	1115.6	1222.6	6352941
11	2	82.1	16	1330.9		7058824
12	1	52.4	16			7764706
13	1	55.4	16			8470588
14	3	87.4	16	1871.6	1880.6	9176471
15	3	96.4	16	1621.6	1610.6	9882353
16	3	91.7	16	1438.3	1842.3	10588235
17	2	73.1	16	1620.9		11294118

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Data Sheet for FCC Radar Type 5						
Trial Number:			20	VSG Frequency(MHz):		5498.103
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.5	16	1268.5		0
2	3	95.5	16	1298.5	1058.5	705882
3	1	51.1	16			1411765
4	3	87.3	16	1708.7	1376.7	2117647
5	1	60.2	16			2823529
6	3	85.5	16	1538.5	1527.5	3529412
7	1	64.6	16			4235294
8	1	63.7	16			4941176
9	2	78	16	1196		5647059
10	3	91.7	16	1744.3	1687.3	6352941
11	1	52.9	16			7058824
12	3	83.7	16	1696.3	1336.3	7764706
13	2	67.1	16	1671.9		8470588
14	3	93.2	16	1771.8	1050.8	9176471
15	3	99.2	16	1848.8	1333.8	9882353
16	2	73.7	16	1657.3		10588235
17	3	97.7	16	1429.3	1456.3	11294118

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Data Sheet for FCC Radar Type 5						
Trial Number:			21	VSG Frequency(MHz):		5505.497
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	70.5	7	1486.5		0
2	3	95.7	7	1202.3	1634.3	1333333
3	2	71.9	7	1118.1		2666667
4	3	93.2	7	1191.8	1412.8	4000000
5	1	64.3	7			5333333
6	3	93.9	7	1307.1	1556.1	6666667
7	2	73.1	7	953.9		8000000
8	1	50.1	7			9333333
9	2	75.3	7	1399.7		10666667
8	1	50.1	7			9333333

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Data Sheet for FCC Radar Type 5						
Trial Number:			22	VSG Frequency(MHz):		5506.297
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	84.2	5	1520.8	1541.8	0
2	1	62.4	5			1500000
3	1	64.8	5			3000000
4	2	73.7	5	1255.3		4500000
5	3	88.3	5	1843.7	1743.7	6000000
6	1	65.6	5			7500000
7	1	53.4	5			9000000
8	1	54.3	5			10500000

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Data Sheet for FCC Radar Type 5						
Trial Number:			23	VSG Frequency(MHz):		5504.697
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	67.2	9	1858.8		0
2	1	63.1	9			1090909
3	1	61.6	9			2181818
4	1	66	9			3272727
5	3	98.5	9	1513.5	1698.5	4363636
6	3	95	9	1829	1566	5454545
7	2	74	9	1301		6545455
8	3	97.6	9	1164.4	1560.4	7636364
9	3	89.6	9	1098.4	1903.4	8727273
10	1	56.9	9			9818182
11	3	88.6	9	1079.4	1459.4	10909091

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Data Sheet for FCC Radar Type 5						
Trial Number:			24	VSG Frequency(MHz):		5506.297
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.2	5	1057.8	1866.8	0
2	2	73.4	5	1813.6		1500000
3	3	93.2	5	1445.8	1229.8	3000000
4	2	82.9	5	1006.1		4500000
5	2	78.8	5	1317.2		6000000
6	1	57.7	5			7500000
7	2	66.8	5	1562.2		9000000
8	1	50.6	5			10500000

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Data Sheet for FCC Radar Type 5						
Trial Number:		25		VSG Frequency(MHz):		5503.897
Number of Bursts in Trial:			13	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	69.7	11	1277.3		0
2	2	79.9	11	1144.1		923077
3	1	65.1	11			1846154
4	1	51.5	11			2769231
5	2	78	11	1215		3692308
6	3	87.2	11	1154.8	1346.8	4615385
7	3	85	11	1740	1515	5538462
8	1	51.2	11			6461538
9	1	52.2	11			7384615
10	3	98.9	11	1888.1	1258.1	8307692
11	1	54.2	11			9230769
12	1	53.3	11			10153846
13	3	87.4	11	1116.6	1282.6	11076923

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Data Sheet for FCC Radar Type 5						
Trial Number:		26		VSG Frequency(MHz):		5500.297
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	80.2	20	1069.8		0
2	1	62.8	20			600000
3	2	75.9	20	1215.1		1200000
4	3	86.1	20	1585.9	914.9	1800000
5	1	62	20			2400000
6	2	81.6	20	1903.4		3000000
7	2	72	20	957		3600000
8	1	50.7	20			4200000
9	3	97.9	20	1194.1	1207.1	4800000
10	3	95.7	20	944.3	1133.3	5400000
11	2	74.8	20	1380.2		6000000
12	3	87	20	1504	939	6600000
13	3	84.5	20	1895.5	1790.5	7200000
14	1	55.9	20			7800000
15	1	51.8	20			8400000
16	3	91.1	20	1496.9	1388.9	9000000
17	2	79.5	20	1550.5		9600000
18	3	86.1	20	1179.9	1474.9	10200000
19	1	65.9	20			10800000
20	2	71.4	20	1242.6		11400000

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Data Sheet for FCC Radar Type 5						
Trial Number:		27		VSG Frequency(MHz):		5504.297
Number of Bursts in Trial:			12	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	64.9	10			0
2	3	83.7	10	1169.3	1447.3	1000000
3	2	74.4	10	1109.6		2000000
4	1	52.1	10			3000000
5	1	61.5	10			4000000
6	3	83.6	10	1365.4	1889.4	5000000
7	2	78.9	10	1633.1		6000000
8	1	63.5	10			7000000
9	3	93.8	10	976.2	1572.2	8000000
10	2	71.8	10	1342.2		9000000
11	3	98.7	10	1570.3	1479.3	10000000
12	3	85.3	10	951.7	1204.7	11000000

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Data Sheet for FCC Radar Type 5						
Trial Number:			28	VSG Frequency(MHz):		5503.897
Number of Bursts in Trial:			13	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	53.5	11			0
2	1	51.2	11			923077
3	1	64	11			1846154
4	1	60.6	11			2769231
5	2	67.2	11	1710.8		3692308
6	3	96.9	11	1012.1	1878.1	4615385
7	2	66.7	11	1526.3		5538462
8	2	76.2	11	1412.8		6461538
9	3	94.9	11	1655.1	1289.1	7384615
10	3	99.9	11	1691.1	1008.1	8307692
11	2	71.8	11	1286.2		9230769
12	3	84.3	11	1715.7	1414.7	10153846
13	3	90.4	11	1086.6	1411.6	11076923

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Data Sheet for FCC Radar Type 5						
Trial Number:			29	VSG Frequency(MHz):		5501.497
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	64.6	17			0
2	3	93.6	17	971.4	1723.4	705882
3	2	81.3	17	1003.7		1411765
4	2	83.1	17	1458.9		2117647
5	1	60.1	17			2823529
6	2	72.7	17	1567.3		3529412
7	1	62.8	17			4235294
8	3	88.4	17	1716.6	1679.6	4941176
9	2	81.9	17	1549.1		5647059
10	2	72.4	17	1059.6		6352941
11	3	96.5	17	1166.5	1576.5	7058824
12	3	88.5	17	916.5	1485.5	7764706
13	2	73.8	17	1803.2		8470588
14	2	74.5	17	1770.5		9176471
15	2	78.5	17	1121.5		9882353
16	1	52.7	17			10588235
17	1	58.4	17			11294118

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Data Sheet for FCC Radar Type 5						
Trial Number:			30	VSG Frequency(MHz):		5505.097
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	57	8			0
2	2	76.1	8	1684.9		1200000
3	3	97	8	1036	1742	2400000
4	3	89.5	8	1849.5	1271.5	3600000
5	3	83.4	8	998.6	1641.6	4800000
6	2	83.3	8	1486.7		6000000
7	3	91.9	8	1274.1	1151.1	7200000
8	3	91.3	8	1253.7	1863.7	8400000
9	2	73.8	8	1549.2		9600000
10	2	82.6	8	1290.4		10800000

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Radar Type 6 for 802.11a 5500 MHz:

Data Sheet for FCC Radar Type 6

Trial	VSG Frequency (MHz)	Pulses per Hop	Pulse Width	PRI	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5500	9	1	333	Yes
2	5500	9	1	333	Yes
3	5500	9	1	333	Yes
4	5500	9	1	333	Yes
5	5500	9	1	333	Yes
6	5500	9	1	333	Yes
7	5500	9	1	333	Yes
8	5500	9	1	333	Yes
9	5500	9	1	333	Yes
10	5500	9	1	333	Yes
11	5500	9	1	333	Yes
12	5500	9	1	333	Yes
13	5500	9	1	333	Yes
14	5500	9	1	333	Yes
15	5500	9	1	333	Yes
16	5500	9	1	333	Yes
17	5500	9	1	333	Yes
18	5500	9	1	333	Yes
19	5500	9	1	333	Yes
20	5500	9	1	333	Yes
21	5500	9	1	333	Yes
22	5500	9	1	333	Yes
23	5500	9	1	333	Yes
24	5500	9	1	333	Yes
25	5500	9	1	333	Yes
26	5500	9	1	333	Yes
27	5500	9	1	333	Yes
28	5500	9	1	333	Yes
29	5500	9	1	333	Yes
30	5500	9	1	333	Yes

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802.11ac40 5510 MHz:

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	100		60	Pass
4	30	100		60	Pass
Aggregate (Radar Types 1-4)	120	100		80	Pass
Long Pulse Radar Type	Minimum Number of Trials	Each Detection(%)	Total Detection(%)	Minmum Percentage of Successful Detection(%)	Pass/Faill
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/Faill
6	30	100		70	Pass

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Radar Type 1 for 802.11ac40 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	5514	19	1139	878	A	Yes
2	5516	1	1930.5	518	A	Yes
3	5523	17	1193.3	838	A	Yes
4	5503	20	1113.6	898	A	Yes
5	5509	10	1432.7	698	A	Yes
6	5515	6	1618.1	618	A	Yes
7	5494	15	1253.1	798	A	Yes
8	5496	4	1730.1	578	A	Yes
9	5501	18	1165.5	858	A	Yes
10	5504	21	1089.3	918	A	Yes
11	5504	8	1519.8	658	A	Yes
12	5519	5	1672.2	598	A	Yes
13	5517	22	1066.1	938	A	Yes
14	5515	2	1858.7	538	A	Yes
15	5518	16	1222.5	818	A	Yes
16	5510	-	347.5	2878	B	Yes
17	5500	-	745.7	1341	B	Yes
18	5511	-	885	1130	B	Yes
19	5511	-	401.8	2489	B	Yes
20	5497	-	598.4	1671	B	Yes
21	5511	-	520.3	1922	B	Yes
22	5498	-	1227	815	B	Yes
23	5508	-	340	2941	B	Yes
24	5525	-	327.7	3052	B	Yes
25	5524	-	739.1	1353	B	Yes
26	5521	-	675.7	1480	B	Yes
27	5499	-	367.2	2723	B	Yes
28	5527	-	726.2	1377	B	Yes
29	5504	-	827.8	1208	B	Yes
30	5514	-	393.4	2542	B	Yes

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Radar Type 2 for 802.11ac 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	5523	25	2.2	162	Yes
2	5494	25	2.3	153	Yes
3	5498	29	4.6	218	Yes
4	5514	24	1.9	202	Yes
5	5500	23	1	212	Yes
6	5512	23	1	176	Yes
7	5520	25	2.7	152	Yes
8	5512	24	1.6	170	Yes
9	5508	27	3.3	221	Yes
10	5525	27	3.9	163	Yes
11	5497	24	2	196	Yes
12	5496	27	3.9	190	Yes
13	5517	24	1.7	180	Yes
14	5517	28	4.2	192	Yes
15	5516	27	3.5	161	Yes
16	5496	23	1.2	222	Yes
17	5520	29	4.6	213	Yes
18	5516	29	4.5	155	Yes
19	5515	28	3.9	199	Yes
20	5515	28	3.9	187	Yes
21	5516	23	1.5	175	Yes
22	5499	23	1.2	168	Yes
23	5513	25	2.2	228	Yes
24	5524	23	1	191	Yes
25	5492	25	2.5	230	Yes
26	5513	29	5	203	Yes
27	5511	25	2.4	210	Yes
28	5497	26	2.7	181	Yes
29	5502	28	4.1	214	Yes
30	5512	24	1.8	164	Yes

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Radar Type 3 for 802.11ac40 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	5497	16	7.2	218	Yes
2	5507	16	7.3	284	Yes
3	5511	18	9.6	446	Yes
4	5496	16	6.9	458	Yes
5	5524	16	6	226	Yes
6	5493	16	6	337	Yes
7	5504	17	7.7	475	Yes
8	5513	16	6.6	429	Yes
9	5519	17	8.3	427	Yes
10	5506	18	8.9	442	Yes
11	5527	16	7	285	Yes
12	5521	18	8.9	267	Yes
13	5521	16	6.7	286	Yes
14	5505	18	9.2	323	Yes
15	5506	17	8.5	264	Yes
16	5514	16	6.2	495	Yes
17	5512	18	9.6	365	Yes
18	5524	18	9.5	239	Yes
19	5511	18	8.9	367	Yes
20	5497	18	8.9	457	Yes
21	5509	16	6.5	406	Yes
22	5492	16	6.2	297	Yes
23	5520	16	7.2	404	Yes
24	5526	16	6	373	Yes
25	5494	17	7.5	322	Yes
26	5502	18	10	391	Yes
27	5497	17	7.4	484	Yes
28	5509	17	7.7	266	Yes
29	5519	18	9.1	278	Yes
30	5502	16	6.8	246	Yes

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Radar Type 4 for 802.11ac40 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	5493	13	13.7	218	Yes
2	5521	13	13.9	284	Yes
3	5522	16	19.1	446	Yes
4	5509	13	13	458	Yes
5	5526	12	11	226	Yes
6	5519	12	11.1	337	Yes
7	5512	14	14.8	475	Yes
8	5503	12	12.3	429	Yes
9	5498	14	16.2	427	Yes
10	5514	15	17.4	442	Yes
11	5509	13	13.3	285	Yes
12	5501	15	17.4	267	Yes
13	5519	12	12.6	286	Yes
14	5495	15	18.1	323	Yes
15	5524	15	16.5	264	Yes
16	5516	12	11.5	495	Yes
17	5499	16	19.1	365	Yes
18	5515	16	18.9	239	Yes
19	5498	15	17.5	367	Yes
20	5498	15	17.6	457	Yes
21	5526	12	12.2	406	Yes
22	5522	12	11.5	297	Yes
23	5511	13	13.7	404	Yes
24	5502	12	11	373	Yes
25	5496	13	14.5	322	Yes
26	5505	16	19.9	391	Yes
27	5500	13	14.1	484	Yes
28	5509	14	14.9	266	Yes
29	5512	15	17.9	278	Yes
30	5516	13	12.8	246	Yes

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Radar Type 5 for 802.11ac40 5510 MHz:

Data Sheet for FCC Radar Type 5						
Trial Number:			1	VSG Frequency(MHz):		5510
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	64.9	9			0
2	1	66.4	9			1090909
3	3	95.1	9	1290.9	1670.9	2181818
4	1	61.1	9			3272727
5	1	50.3	9			4363636
6	1	51	9			5454545
7	2	71.2	9	963.8		6545455
8	1	57.5	9			7636364
9	2	78.8	9	1018.2		8727273
10	3	85.7	9	1535.3	1428.3	9818182
11	1	62.7	9			10909091

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Data Sheet for FCC Radar Type 5						
Trial Number:			2	VSG Frequency(MHz):		5510
Number of Bursts in Trial:			12	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	85.6	10	1611.4	947.4	0
2	1	58.9	10			1000000
3	3	89.1	10	1217.9	1158.9	2000000
4	2	80.5	10	994.5		3000000
5	1	52.7	10			4000000
6	3	94.6	10	1491.4	1045.4	5000000
7	3	93.8	10	1388.2	1026.2	6000000
8	3	86.2	10	1259.8	951.8	7000000
9	3	86.5	10	1197.5	1863.5	8000000
10	1	56.9	10			9000000
11	1	52.9	10			10000000
12	1	65.1	10			11000000

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Data Sheet for FCC Radar Type 5						
Trial Number:			3	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	50.4	19			0
2	2	69.3	19	943.7		631579
3	3	99.2	19	1082.8	1702.8	1263158
4	2	67.4	19	1824.6		1894737
5	2	71.8	19	1561.2		2526316
6	3	88.5	19	1289.5	1003.5	3157895
7	1	60.1	19			3789474
8	3	92.6	19	1355.4	1700.4	4421053
9	3	87.4	19	1479.6	1211.6	5052632
10	1	56.4	19			5684211
11	1	52.6	19			6315789
12	2	71.7	19	1843.3		6947368
13	1	51.2	19			7578947
14	3	85.9	19	1816.1	1497.1	8210526
15	2	71.8	19	1487.2		8842105
16	1	64.8	19			9473684
17	1	50.6	19			10105263
18	1	62	19			10736842
19	3	93.3	19	1394.7	1801.7	11368421

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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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	90.3	8	1528.7	1587.7	0
2	3	89.6	8	1654.4	984.4	1200000
3	2	79.3	8	1703.7		2400000
4	1	61.5	8			3600000
5	2	74.9	8	1184.1		4800000
6	1	51	8			6000000
7	1	58.1	8			7200000
8	3	90.6	8	1562.4	1262.4	8400000
9	2	69.5	8	1620.5		9600000
10	1	58.9	8			10800000

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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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	73.5	5	1253.5		0
2	1	50.1	5			1500000
3	1	65.6	5			3000000
4	1	62	5			4500000
5	1	51.2	5			6000000
6	3	94.7	5	1606.3	954.3	7500000
7	3	91.8	5	1590.2	1774.2	9000000
8	1	51.1	5			10500000

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Data Sheet for FCC Radar Type 5						
Trial Number:			6	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	83.6	5	1038.4	1830.4	0
2	3	99.4	5	947.6	1670.6	1500000
3	2	69.1	5	1483.9		3000000
4	2	68.7	5	1717.3		4500000
5	3	93.2	5	1262.8	1294.8	6000000
6	2	75.3	5	1568.7		7500000
7	2	79.1	5	1643.9		9000000
8	1	56.2	5			10500000

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Data Sheet for FCC Radar Type 5						
Trial Number:			7	VSG Frequency(MHz):		5510
Number of Bursts in Trial:			13	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	67.4	11	1654.6		0
2	2	79.3	11	1435.7		923077
3	2	66.9	11	1213.1		1846154
4	2	72.7	11	972.3		2769231
5	2	78.9	11	949.1		3692308
6	3	85.5	11	1786.5	916.5	4615385
7	2	74.4	11	1366.6		5538462
8	1	63.6	11			6461538
9	1	62.6	11			7384615
10	2	75.5	11	1383.5		8307692
11	2	71.1	11	1038.9		9230769
12	1	57.8	11			10153846
13	2	74.3	11	1634.7		11076923

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Data Sheet for FCC Radar Type 5						
Trial Number:			8	VSG Frequency(MHz):		5510
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	66.4	7			0
2	1	63.6	7			1333333
3	3	97.9	7	1045.1	1081.1	2666667
4	3	90.6	7	1302.4	1684.4	4000000
5	3	83.6	7	1828.4	1259.4	5333333
6	1	63.9	7			6666667
7	1	56.3	7			8000000
8	3	87	7	1385	1520	9333333
9	1	59.7	7			10666667

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Data Sheet for FCC Radar Type 5						
Trial Number:			9	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	100	14	1509	1165	0
2	3	91.3	14	1424.7	1782.7	800000
3	2	80.1	14	1718.9		1600000
4	1	63.6	14			2400000
5	2	67.1	14	1270.9		3200000
6	1	62.7	14			4000000
7	2	74.2	14	1202.8		4800000
8	2	71.5	14	1874.5		5600000
9	3	96.5	14	1075.5	1206.5	6400000
10	1	53.9	14			7200000
11	2	82.4	14	1047.6		8000000
12	2	68.6	14	1617.4		8800000
13	3	83.7	14	1642.3	1296.3	9600000
14	2	78.9	14	1591.1		10400000
15	2	73.6	14	1589.4		11200000

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Data Sheet for FCC Radar Type 5						
Trial Number:			10	VSG Frequency(MHz):		
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	96.8	16	1034.2	987.2	0
2	2	80.1	16	1058.9		705882
3	3	88	16	1508	1382	1411765
4	2	75.7	16	1211.3		2117647
5	1	51.9	16			2823529
6	3	99.4	16	1810.6	1428.6	3529412
7	2	75.7	16	1558.3		4235294
8	2	73.5	16	1073.5		4941176
9	3	83.9	16	1888.1	1533.1	5647059
10	2	76.8	16	1283.2		6352941
11	2	67.2	16	1019.8		7058824
12	3	85.7	16	1562.3	1585.3	7764706
13	2	71.2	16	1041.8		8470588
14	2	78.2	16	1613.8		9176471
15	1	59.5	16			9882353
16	1	61.4	16			10588235
17	2	72.8	16	1589.2		11294118

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Data Sheet for FCC Radar Type 5						
Trial Number:			11	VSG Frequency(MHz):		5495.448
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	69.3	9	1582.7		0
2	1	57.6	9			1090909
3	2	79.3	9	1538.7		2181818
4	2	75.7	9	1448.3		3272727
5	3	92.7	9	1402.3	1553.3	4363636
6	1	65.2	9			5454545
7	2	68.4	9	934.6		6545455
8	1	61.7	9			7636364
9	3	89.5	9	1804.5	1578.5	8727273
10	3	91.1	9	1614.9	1771.9	9818182
11	2	79.1	9	1644.9		10909091

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Data Sheet for FCC Radar Type 5						
Trial Number:			12	VSG Frequency(MHz):		5498.248
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	67.1	16	1475.9		0
2	2	75.5	16	1837.5		705882
3	1	55.7	16			1411765
4	2	82.7	16	1386.3		2117647
5	3	84.8	16	1336.2	1696.2	2823529
6	2	74.3	16	1609.7		3529412
7	3	93.9	16	1794.1	968.1	4235294
8	1	53.5	16			4941176
9	2	75.9	16	1876.1		5647059
10	2	80.6	16	1372.4		6352941
11	3	85	16	1381	1635	7058824
12	1	60.3	16			7764706
13	2	74.2	16	961.8		8470588
14	2	67.7	16	985.3		9176471
15	3	96.3	16	1018.7	1846.7	9882353
16	3	86.9	16	1394.1	1580.1	10588235
17	3	99.9	16	1172.1	1876.1	11294118

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Data Sheet for FCC Radar Type 5						
Trial Number:			13	VSG Frequency(MHz):		5494.648
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	77	7	1765		0
2	1	53	7			1200000
3	3	93.4	7	1857.6	1752.6	2400000
4	3	86.9	7	1381.1	1877.1	3600000
5	3	92.6	7	1758.4	1137.4	4800000
6	1	59.5	7			6000000
7	3	99.3	7	1619.7	1112.7	7200000
8	2	76.1	7	1751.9		8400000
9	3	99.7	7	993.3	1306.3	9600000
10	3	98	7	1198	1770	10800000

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Data Sheet for FCC Radar Type 5						
Trial Number:			14	VSG Frequency(MHz):		5498.648
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	54.1	17			0
2	1	64.8	17			666667
3	2	69.5	17	1930.5		1333333
4	1	64	17			2000000
5	1	62.5	17			2666667
6	1	58.2	17			3333333
7	3	96.7	17	1637.3	1710.3	4000000
8	1	56.4	17			4666667
9	1	58.3	17			5333333
10	2	71.1	17	1436.9		6000000
11	3	84.6	17	1386.4	1615.4	6666667
12	1	50.9	17			7333333
13	3	97	17	1493	1826	8000000
14	3	84.3	17	1143.7	1292.7	8666667
15	1	56	17			9333333
16	3	85.5	17	1375.5	1297.5	10000000
17	3	92.3	17	1534.7	1152.7	10666667
18	3	84.4	17	1227.6	1406.6	11333333

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Data Sheet for FCC Radar Type 5						
Trial Number:		15		VSG Frequency(MHz):		5497.448
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	97.3	14	1040.7	1143.7	0
2	1	55	14			800000
3	1	58	14			1600000
4	3	96.4	14	1514.6	1319.6	2400000
5	2	78.4	14	1900.6		3200000
6	2	68.6	14	1427.4		4000000
7	3	84.8	14	1889.2	1399.2	4800000
8	3	86.5	14	1074.5	1556.5	5600000
9	3	97.8	14	1334.2	1016.2	6400000
10	3	92.2	14	1310.8	997.8	7200000
11	2	74.6	14	1192.4		8000000
12	1	65.9	14			8800000
13	1	56.4	14			9600000
14	1	56.6	14			10400000
15	3	85.2	14	1517.8	1668.8	11200000

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Data Sheet for FCC Radar Type 5						
Trial Number:			16	VSG Frequency(MHz):		5493.848
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	76.3	5	1044.7		0
2	3	89.8	5	1586.2	1001.2	1500000
3	3	88.8	5	1792.2	1782.2	3000000
4	1	56.3	5			4500000
5	1	66.6	5			6000000
6	2	72.4	5	1260.6		7500000
7	1	52.1	5			9000000
8	2	77.6	5	1456.4		10500000

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Data Sheet for FCC Radar Type 5						
Trial Number:			17	VSG Frequency(MHz):		5499.448
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	61.3	19			0
2	3	87.9	19	979.1	1067.1	631579
3	1	65.7	19			1263158
4	1	65.2	19			1894737
5	2	76	19	1374		2526316
6	1	56	19			3157895
7	1	59.1	19			3789474
8	2	80.9	19	1356.1		4421053
9	1	57	19			5052632
10	2	67.3	19	1311.7		5684211
11	1	64.9	19			6315789
12	2	78.8	19	1498.2		6947368
13	3	94.6	19	1357.4	924.4	7578947
14	3	90	19	1366	1590	8210526
15	1	57.7	19			8842105
16	3	86.4	19	1493.6	1809.6	9473684
17	1	50.9	19			10105263
18	2	79.2	19	1649.8		10736842
19	2	76.1	19	1209.9		11368421

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Data Sheet for FCC Radar Type 5						
Trial Number:			18	VSG Frequency(MHz):		5499.048
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	60.5	18			0
2	1	54.4	18			631579
3	2	81.8	18	1462.2		1263158
4	3	92.5	18	1146.5	1689.5	1894737
5	1	64.6	18			2526316
6	2	78	18	954		3157895
7	1	65.8	18			3789474
8	2	70.6	18	1769.4		4421053
9	3	94.5	18	1391.5	1132.5	5052632
10	2	67.2	18	1097.8		5684211
11	2	79.1	18	1920.9		6315789
12	2	75.7	18	1506.3		6947368
13	1	61.9	18			7578947
14	3	95.2	18	943.8	1716.8	8210526
15	2	77.4	18	1857.6		8842105
16	3	96.8	18	1848.2	960.2	9473684
17	1	58.5	18			10105263
18	1	62.7	18			10736842
19	1	53.3	18			11368421

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Data Sheet for FCC Radar Type 5						
Trial Number:			19	VSG Frequency(MHz):		5498.248
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	58.7	16			0
2	2	80.4	16	1618.6		705882
3	3	88.6	16	1199.4	1120.4	1411765
4	1	61.2	16			2117647
5	2	67.5	16	996.5		2823529
6	3	98.6	16	1653.4	1345.4	3529412
7	3	91.6	16	1533.4	1679.4	4235294
8	2	77.9	16	1169.1		4941176
9	3	90.6	16	1630.4	1078.4	5647059
10	3	86.4	16	1115.6	1222.6	6352941
11	2	82.1	16	1330.9		7058824
12	1	52.4	16			7764706
13	1	55.4	16			8470588
14	3	87.4	16	1871.6	1880.6	9176471
15	3	96.4	16	1621.6	1610.6	9882353
16	3	91.7	16	1438.3	1842.3	10588235
17	2	73.1	16	1620.9		11294118

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Data Sheet for FCC Radar Type 5						
Trial Number:			20	VSG Frequency(MHz):		5498.248
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.5	16	1268.5		0
2	3	95.5	16	1298.5	1058.5	705882
3	1	51.1	16			1411765
4	3	87.3	16	1708.7	1376.7	2117647
5	1	60.2	16			2823529
6	3	85.5	16	1538.5	1527.5	3529412
7	1	64.6	16			4235294
8	1	63.7	16			4941176
9	2	78	16	1196		5647059
10	3	91.7	16	1744.3	1687.3	6352941
11	1	52.9	16			7058824
12	3	83.7	16	1696.3	1336.3	7764706
13	2	67.1	16	1671.9		8470588
14	3	93.2	16	1771.8	1050.8	9176471
15	3	99.2	16	1848.8	1333.8	9882353
16	2	73.7	16	1657.3		10588235
17	3	97.7	16	1429.3	1456.3	11294118

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Data Sheet for FCC Radar Type 5						
Trial Number:			21	VSG Frequency(MHz):		5525.352
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	70.5	7	1486.5		0
2	3	95.7	7	1202.3	1634.3	1333333
3	2	71.9	7	1118.1		2666667
4	3	93.2	7	1191.8	1412.8	4000000
5	1	64.3	7			5333333
6	3	93.9	7	1307.1	1556.1	6666667
7	2	73.1	7	953.9		8000000
8	1	50.1	7			9333333
9	2	75.3	7	1399.7		10666667

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Data Sheet for FCC Radar Type 5						
Trial Number:			22		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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	84.2	5	1520.8	1541.8	0
2	1	62.4	5			1500000
3	1	64.8	5			3000000
4	2	73.7	5	1255.3		4500000
5	3	88.3	5	1843.7	1743.7	6000000
6	1	65.6	5			7500000
7	1	53.4	5			9000000
8	1	54.3	5			10500000

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Data Sheet for FCC Radar Type 5						
Trial Number:			23	VSG Frequency(MHz):		5524.552
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	67.2	9	1858.8		0
2	1	63.1	9			1090909
3	1	61.6	9			2181818
4	1	66	9			3272727
5	3	98.5	9	1513.5	1698.5	4363636
6	3	95	9	1829	1566	5454545
7	2	74	9	1301		6545455
8	3	97.6	9	1164.4	1560.4	7636364
9	3	89.6	9	1098.4	1903.4	8727273
10	1	56.9	9			9818182
11	3	88.6	9	1079.4	1459.4	10909091

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Data Sheet for FCC Radar Type 5						
Trial Number:		24		VSG Frequency(MHz):		5526.152
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.2	5	1057.8	1866.8	0
2	2	73.4	5	1813.6		1500000
3	3	93.2	5	1445.8	1229.8	3000000
4	2	82.9	5	1006.1		4500000
5	2	78.8	5	1317.2		6000000
6	1	57.7	5			7500000
7	2	66.8	5	1562.2		9000000
8	1	50.6	5			10500000

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Data Sheet for FCC Radar Type 5						
Trial Number:			25	VSG Frequency(MHz):		5523.752
Number of Bursts in Trial:			13	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	69.7	11	1277.3		0
2	2	79.9	11	1144.1		923077
3	1	65.1	11			1846154
4	1	51.5	11			2769231
5	2	78	11	1215		3692308
6	3	87.2	11	1154.8	1346.8	4615385
7	3	85	11	1740	1515	5538462
8	1	51.2	11			6461538
9	1	52.2	11			7384615
10	3	98.9	11	1888.1	1258.1	8307692
11	1	54.2	11			9230769
12	1	53.3	11			10153846
13	3	87.4	11	1116.6	1282.6	11076923

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Data Sheet for FCC Radar Type 5						
Trial Number:			26	VSG Frequency(MHz):		5520.152
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	80.2	20	1069.8		0
2	1	62.8	20			600000
3	2	75.9	20	1215.1		1200000
4	3	86.1	20	1585.9	914.9	1800000
5	1	62	20			2400000
6	2	81.6	20	1903.4		3000000
7	2	72	20	957		3600000
8	1	50.7	20			4200000
9	3	97.9	20	1194.1	1207.1	4800000
10	3	95.7	20	944.3	1133.3	5400000
11	2	74.8	20	1380.2		6000000
12	3	87	20	1504	939	6600000
13	3	84.5	20	1895.5	1790.5	7200000
14	1	55.9	20			7800000
15	1	51.8	20			8400000
16	3	91.1	20	1496.9	1388.9	9000000
17	2	79.5	20	1550.5		9600000
18	3	86.1	20	1179.9	1474.9	10200000
19	1	65.9	20			10800000
20	2	71.4	20	1242.6		11400000

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Data Sheet for FCC Radar Type 5						
Trial Number:			27	VSG Frequency(MHz):		5524.152
Number of Bursts in Trial:			12	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	64.9	10			0
2	3	83.7	10	1169.3	1447.3	1000000
3	2	74.4	10	1109.6		2000000
4	1	52.1	10			3000000
5	1	61.5	10			4000000
6	3	83.6	10	1365.4	1889.4	5000000
7	2	78.9	10	1633.1		6000000
8	1	63.5	10			7000000
9	3	93.8	10	976.2	1572.2	8000000
10	2	71.8	10	1342.2		9000000
11	3	98.7	10	1570.3	1479.3	10000000
12	3	85.3	10	951.7	1204.7	11000000

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Data Sheet for FCC Radar Type 5						
Trial Number:			28	VSG Frequency(MHz):		5523.752
Number of Bursts in Trial:			13	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	53.5	11			0
2	1	51.2	11			923077
3	1	64	11			1846154
4	1	60.6	11			2769231
5	2	67.2	11	1710.8		3692308
6	3	96.9	11	1012.1	1878.1	4615385
7	2	66.7	11	1526.3		5538462
8	2	76.2	11	1412.8		6461538
9	3	94.9	11	1655.1	1289.1	7384615
10	3	99.9	11	1691.1	1008.1	8307692
11	2	71.8	11	1286.2		9230769
12	3	84.3	11	1715.7	1414.7	10153846
13	3	90.4	11	1086.6	1411.6	11076923

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Data Sheet for FCC Radar Type 5						
Trial Number:			29	VSG Frequency(MHz):		5521.352
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	64.6	17			0
2	3	93.6	17	971.4	1723.4	705882
3	2	81.3	17	1003.7		1411765
4	2	83.1	17	1458.9		2117647
5	1	60.1	17			2823529
6	2	72.7	17	1567.3		3529412
7	1	62.8	17			4235294
8	3	88.4	17	1716.6	1679.6	4941176
9	2	81.9	17	1549.1		5647059
10	2	72.4	17	1059.6		6352941
11	3	96.5	17	1166.5	1576.5	7058824
12	3	88.5	17	916.5	1485.5	7764706
13	2	73.8	17	1803.2		8470588
14	2	74.5	17	1770.5		9176471
15	2	78.5	17	1121.5		9882353
16	1	52.7	17			10588235
17	1	58.4	17			11294118

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Data Sheet for FCC Radar Type 5						
Trial Number:			30	VSG Frequency(MHz):		5524.952
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	57	8			0
2	2	76.1	8	1684.9		1200000
3	3	97	8	1036	1742	2400000
4	3	89.5	8	1849.5	1271.5	3600000
5	3	83.4	8	998.6	1641.6	4800000
6	2	83.3	8	1486.7		6000000
7	3	91.9	8	1274.1	1151.1	7200000
8	3	91.3	8	1253.7	1863.7	8400000
9	2	73.8	8	1549.2		9600000
10	2	82.6	8	1290.4		10800000

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Radar Type 6 for 802.11ac40 5510 MHz:

Data Sheet for FCC Radar Type 6

Trial	VSG Frequency (MHz)	Pulses per Hop	Pulse Width	PRI	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5530	9	1	333	Yes
2	5530	9	1	333	Yes
3	5530	9	1	333	Yes
4	5530	9	1	333	Yes
5	5530	9	1	333	Yes
6	5530	9	1	333	Yes
7	5530	9	1	333	Yes
8	5530	9	1	333	Yes
9	5530	9	1	333	Yes
10	5530	9	1	333	Yes
11	5530	9	1	333	Yes
12	5530	9	1	333	Yes
13	5530	9	1	333	Yes
14	5530	9	1	333	Yes
15	5530	9	1	333	Yes
16	5530	9	1	333	Yes
17	5530	9	1	333	Yes
18	5530	9	1	333	Yes
19	5530	9	1	333	Yes
20	5530	9	1	333	Yes
21	5530	9	1	333	Yes
22	5530	9	1	333	Yes
23	5530	9	1	333	Yes
24	5530	9	1	333	Yes
25	5530	9	1	333	Yes
26	5530	9	1	333	Yes
27	5530	9	1	333	Yes
28	5530	9	1	333	Yes
29	5530	9	1	333	Yes
30	5530	9	1	333	Yes

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802.11ac80 5530 MHz

Short Pulse Radar Type	Minimum Number of Trials	Detection(%)		Minmum Percentage of Successful Detection(%)	Pass/Fail
1	30	90		60	Pass
2	30	100		60	Pass
3	30	100		60	Pass
4	30	100		60	Pass
Aggregate (Radar Types 1-4)	120	97.5		80	Pass
Long Pulse Radar Type	Minimum Number of Trials	Each Detection(%)	Total Detection(%)	Minmum Percentage of Successful Detection(%)	Pass/Faill
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/Faill
6	30	100		70	Pass

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Radar Type 1 for 802.11ac80 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	5510	19	1139	878	A	Yes
2	5514	1	1930.5	518	A	Yes
3	5567	17	1193.3	838	A	Yes
4	5529	20	1113.6	898	A	Yes
5	5514	10	1432.7	698	A	Yes
6	5535	6	1618.1	618	A	No
7	5504	15	1253.1	798	A	Yes
8	5560	4	1730.1	578	A	Yes
9	5523	18	1165.5	858	A	Yes
10	5507	21	1089.3	918	A	Yes
11	5528	8	1519.8	658	A	Yes
12	5513	5	1672.2	598	A	No
13	5566	22	1066.1	938	A	Yes
14	5500	2	1858.7	538	A	Yes
15	5532	16	1222.5	818	A	Yes
16	5557	-	347.5	2878	B	Yes
17	5521	-	745.7	1341	B	Yes
18	5559	-	885	1130	B	Yes
19	5517	-	401.8	2489	B	No
20	5531	-	598.4	1671	B	Yes
21	5508	-	520.3	1922	B	Yes
22	5536	-	1227	815	B	Yes
23	5538	-	340	2941	B	Yes
24	5567	-	327.7	3052	B	Yes
25	5517	-	739.1	1353	B	Yes
26	5521	-	675.7	1480	B	Yes
27	5565	-	367.2	2723	B	Yes
28	5522	-	726.2	1377	B	Yes
29	5559	-	827.8	1208	B	Yes
30	5502	-	393.4	2542	B	Yes

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Radar Type 2 for 802.11ac80 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	5509	25	2.2	162	Yes
2	5533	25	2.3	153	Yes
3	5552	29	4.6	218	Yes
4	5507	24	1.9	202	Yes
5	5542	23	1	212	Yes
6	5523	23	1	176	Yes
7	5522	25	2.7	152	Yes
8	5555	24	1.6	170	Yes
9	5564	27	3.3	221	Yes
10	5492	27	3.9	163	Yes
11	5509	24	2	196	Yes
12	5513	27	3.9	190	Yes
13	5496	24	1.7	180	Yes
14	5557	28	4.2	192	Yes
15	5505	27	3.5	161	Yes
16	5524	23	1.2	222	Yes
17	5538	29	4.6	213	Yes
18	5514	29	4.5	155	Yes
19	5510	28	3.9	199	Yes
20	5501	28	3.9	187	Yes
21	5521	23	1.5	175	Yes
22	5529	23	1.2	168	Yes
23	5493	25	2.2	228	Yes
24	5511	23	1	191	Yes
25	5521	25	2.5	230	Yes
26	5541	29	5	203	Yes
27	5518	25	2.4	210	Yes
28	5535	26	2.7	181	Yes
29	5558	28	4.1	214	Yes
30	5542	24	1.8	164	Yes

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Radar Type 3 for 802.11ac80 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	5513	16	7.2	218	Yes
2	5538	16	7.3	284	Yes
3	5498	18	9.6	446	Yes
4	5512	16	6.9	458	Yes
5	5521	16	6	226	Yes
6	5520	16	6	337	Yes
7	5538	17	7.7	475	Yes
8	5566	16	6.6	429	Yes
9	5538	17	8.3	427	Yes
10	5523	18	8.9	442	Yes
11	5510	16	7	285	Yes
12	5556	18	8.9	267	Yes
13	5511	16	6.7	286	Yes
14	5539	18	9.2	323	Yes
15	5564	17	8.5	264	Yes
16	5531	16	6.2	495	Yes
17	5522	18	9.6	365	Yes
18	5520	18	9.5	239	Yes
19	5523	18	8.9	367	Yes
20	5513	18	8.9	457	Yes
21	5511	16	6.5	406	Yes
22	5528	16	6.2	297	Yes
23	5498	16	7.2	404	Yes
24	5527	16	6	373	Yes
25	5526	17	7.5	322	Yes
26	5501	18	10	391	Yes
27	5495	17	7.4	484	Yes
28	5563	17	7.7	266	Yes
29	5495	18	9.1	278	Yes
30	5516	16	6.8	246	Yes

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Radar Type 4 for 802.11ac80 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	5515	13	13.7	218	Yes
2	5504	13	13.9	284	Yes
3	5545	16	19.1	446	Yes
4	5523	13	13	458	Yes
5	5497	12	11	226	Yes
6	5551	12	11.1	337	Yes
7	5512	14	14.8	475	Yes
8	5559	12	12.3	429	Yes
9	5526	14	16.2	427	Yes
10	5566	15	17.4	442	Yes
11	5526	13	13.3	285	Yes
12	5525	15	17.4	267	Yes
13	5493	12	12.6	286	Yes
14	5493	15	18.1	323	Yes
15	5508	15	16.5	264	Yes
16	5523	12	11.5	495	Yes
17	5518	16	19.1	365	Yes
18	5533	16	18.9	239	Yes
19	5552	15	17.5	367	Yes
20	5526	15	17.6	457	Yes
21	5546	12	12.2	406	Yes
22	5530	12	11.5	297	Yes
23	5518	13	13.7	404	Yes
24	5554	12	11	373	Yes
25	5544	13	14.5	322	Yes
26	5514	16	19.9	391	Yes
27	5567	13	14.1	484	Yes
28	5518	14	14.9	266	Yes
29	5493	15	17.9	278	Yes
30	5553	13	12.8	246	Yes

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Radar Type 5 for 802.11ac80 5530 MHz:

Data Sheet for FCC Radar Type 5						
Trial Number:			1	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	64.9	9			0
2	1	66.4	9			1090909
3	3	95.1	9	1290.9	1670.9	2181818
4	1	61.1	9			3272727
5	1	50.3	9			4363636
6	1	51	9			5454545
7	2	71.2	9	963.8		6545455
8	1	57.5	9			7636364
9	2	78.8	9	1018.2		8727273
10	3	85.7	9	1535.3	1428.3	9818182
11	1	62.7	9			10909091

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Data Sheet for FCC Radar Type 5						
Trial Number:			2		VSG Frequency(MHz):	
Number of Bursts in Trial:			12		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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	85.6	10	1611.4	947.4	0
2	1	58.9	10			1000000
3	3	89.1	10	1217.9	1158.9	2000000
4	2	80.5	10	994.5		3000000
5	1	52.7	10			4000000
6	3	94.6	10	1491.4	1045.4	5000000
7	3	93.8	10	1388.2	1026.2	6000000
8	3	86.2	10	1259.8	951.8	7000000
9	3	86.5	10	1197.5	1863.5	8000000
10	1	56.9	10			9000000
11	1	52.9	10			10000000
12	1	65.1	10			11000000

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Data Sheet for FCC Radar Type 5						
Trial Number:			3	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	50.4	19			0
2	2	69.3	19	943.7		631579
3	3	99.2	19	1082.8	1702.8	1263158
4	2	67.4	19	1824.6		1894737
5	2	71.8	19	1561.2		2526316
6	3	88.5	19	1289.5	1003.5	3157895
7	1	60.1	19			3789474
8	3	92.6	19	1355.4	1700.4	4421053
9	3	87.4	19	1479.6	1211.6	5052632
10	1	56.4	19			5684211
11	1	52.6	19			6315789
12	2	71.7	19	1843.3		6947368
13	1	51.2	19			7578947
14	3	85.9	19	1816.1	1497.1	8210526
15	2	71.8	19	1487.2		8842105
16	1	64.8	19			9473684
17	1	50.6	19			10105263
18	1	62	19			10736842
19	3	93.3	19	1394.7	1801.7	11368421

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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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	90.3	8	1528.7	1587.7	0
2	3	89.6	8	1654.4	984.4	1200000
3	2	79.3	8	1703.7		2400000
4	1	61.5	8			3600000
5	2	74.9	8	1184.1		4800000
6	1	51	8			6000000
7	1	58.1	8			7200000
8	3	90.6	8	1562.4	1262.4	8400000
9	2	69.5	8	1620.5		9600000
10	1	58.9	8			10800000

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Data Sheet for FCC Radar Type 5						
Trial Number:			5	VSG Frequency(MHz):		5530
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	73.5	5	1253.5		0
2	1	50.1	5			1500000
3	1	65.6	5			3000000
4	1	62	5			4500000
5	1	51.2	5			6000000
6	3	94.7	5	1606.3	954.3	7500000
7	3	91.8	5	1590.2	1774.2	9000000
8	1	51.1	5			10500000

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Data Sheet for FCC Radar Type 5						
Trial Number:			6	VSG Frequency(MHz):		5530
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	83.6	5	1038.4	1830.4	0
2	3	99.4	5	947.6	1670.6	1500000
3	2	69.1	5	1483.9		3000000
4	2	68.7	5	1717.3		4500000
5	3	93.2	5	1262.8	1294.8	6000000
6	2	75.3	5	1568.7		7500000
7	2	79.1	5	1643.9		9000000
8	1	56.2	5			10500000

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Data Sheet for FCC Radar Type 5						
Trial Number:			7	VSG Frequency(MHz):		5530
Number of Bursts in Trial:			13	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	67.4	11	1654.6		0
2	2	79.3	11	1435.7		923077
3	2	66.9	11	1213.1		1846154
4	2	72.7	11	972.3		2769231
5	2	78.9	11	949.1		3692308
6	3	85.5	11	1786.5	916.5	4615385
7	2	74.4	11	1366.6		5538462
8	1	63.6	11			6461538
9	1	62.6	11			7384615
10	2	75.5	11	1383.5		8307692
11	2	71.1	11	1038.9		9230769
12	1	57.8	11			10153846
13	2	74.3	11	1634.7		11076923

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Data Sheet for FCC Radar Type 5						
Trial Number:			8	VSG Frequency(MHz):		5530
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	66.4	7			0
2	1	63.6	7			1333333
3	3	97.9	7	1045.1	1081.1	2666667
4	3	90.6	7	1302.4	1684.4	4000000
5	3	83.6	7	1828.4	1259.4	5333333
6	1	63.9	7			6666667
7	1	56.3	7			8000000
8	3	87	7	1385	1520	9333333
9	1	59.7	7			10666667

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Data Sheet for FCC Radar Type 5						
Trial Number:			9	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	100	14	1509	1165	0
2	3	91.3	14	1424.7	1782.7	800000
3	2	80.1	14	1718.9		1600000
4	1	63.6	14			2400000
5	2	67.1	14	1270.9		3200000
6	1	62.7	14			4000000
7	2	74.2	14	1202.8		4800000
8	2	71.5	14	1874.5		5600000
9	3	96.5	14	1075.5	1206.5	6400000
10	1	53.9	14			7200000
11	2	82.4	14	1047.6		8000000
12	2	68.6	14	1617.4		8800000
13	3	83.7	14	1642.3	1296.3	9600000
14	2	78.9	14	1591.1		10400000
15	2	73.6	14	1589.4		11200000

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Data Sheet for FCC Radar Type 5						
Trial Number:			10	VSG Frequency(MHz):		5530
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	96.8	16	1034.2	987.2	0
2	2	80.1	16	1058.9		705882
3	3	88	16	1508	1382	1411765
4	2	75.7	16	1211.3		2117647
5	1	51.9	16			2823529
6	3	99.4	16	1810.6	1428.6	3529412
7	2	75.7	16	1558.3		4235294
8	2	73.5	16	1073.5		4941176
9	3	83.9	16	1888.1	1533.1	5647059
10	2	76.8	16	1283.2		6352941
11	2	67.2	16	1019.8		7058824
12	3	85.7	16	1562.3	1585.3	7764706
13	2	71.2	16	1041.8		8470588
14	2	78.2	16	1613.8		9176471
15	1	59.5	16			9882353
16	1	61.4	16			10588235
17	2	72.8	16	1589.2		11294118

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Data Sheet for FCC Radar Type 5						
Trial Number:			11	VSG Frequency(MHz):		5495.5885
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	69.3	9	1582.7		0
2	1	57.6	9			1090909
3	2	79.3	9	1538.7		2181818
4	2	75.7	9	1448.3		3272727
5	3	92.7	9	1402.3	1553.3	4363636
6	1	65.2	9			5454545
7	2	68.4	9	934.6		6545455
8	1	61.7	9			7636364
9	3	89.5	9	1804.5	1578.5	8727273
10	3	91.1	9	1614.9	1771.9	9818182
11	2	79.1	9	1644.9		10909091

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Data Sheet for FCC Radar Type 5						
Trial Number:			12	VSG Frequency(MHz):		5498.3885
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	67.1	16	1475.9		0
2	2	75.5	16	1837.5		705882
3	1	55.7	16			1411765
4	2	82.7	16	1386.3		2117647
5	3	84.8	16	1336.2	1696.2	2823529
6	2	74.3	16	1609.7		3529412
7	3	93.9	16	1794.1	968.1	4235294
8	1	53.5	16			4941176
9	2	75.9	16	1876.1		5647059
10	2	80.6	16	1372.4		6352941
11	3	85	16	1381	1635	7058824
12	1	60.3	16			7764706
13	2	74.2	16	961.8		8470588
14	2	67.7	16	985.3		9176471
15	3	96.3	16	1018.7	1846.7	9882353
16	3	86.9	16	1394.1	1580.1	10588235
17	3	99.9	16	1172.1	1876.1	11294118

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Data Sheet for FCC Radar Type 5						
Trial Number:			13	VSG Frequency(MHz):		5494.7885
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	77	7	1765		0
2	1	53	7			1200000
3	3	93.4	7	1857.6	1752.6	2400000
4	3	86.9	7	1381.1	1877.1	3600000
5	3	92.6	7	1758.4	1137.4	4800000
6	1	59.5	7			6000000
7	3	99.3	7	1619.7	1112.7	7200000
8	2	76.1	7	1751.9		8400000
9	3	99.7	7	993.3	1306.3	9600000
10	3	98	7	1198	1770	10800000

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Data Sheet for FCC Radar Type 5						
Trial Number:			14	VSG Frequency(MHz):		5498.7885
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	54.1	17			0
2	1	64.8	17			666667
3	2	69.5	17	1930.5		1333333
4	1	64	17			2000000
5	1	62.5	17			2666667
6	1	58.2	17			3333333
7	3	96.7	17	1637.3	1710.3	4000000
8	1	56.4	17			4666667
9	1	58.3	17			5333333
10	2	71.1	17	1436.9		6000000
11	3	84.6	17	1386.4	1615.4	6666667
12	1	50.9	17			7333333
13	3	97	17	1493	1826	8000000
14	3	84.3	17	1143.7	1292.7	8666667
15	1	56	17			9333333
16	3	85.5	17	1375.5	1297.5	10000000
17	3	92.3	17	1534.7	1152.7	10666667
18	3	84.4	17	1227.6	1406.6	11333333

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Data Sheet for FCC Radar Type 5						
Trial Number:			15	VSG Frequency(MHz):		5497.5885
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	97.3	14	1040.7	1143.7	0
2	1	55	14			800000
3	1	58	14			1600000
4	3	96.4	14	1514.6	1319.6	2400000
5	2	78.4	14	1900.6		3200000
6	2	68.6	14	1427.4		4000000
7	3	84.8	14	1889.2	1399.2	4800000
8	3	86.5	14	1074.5	1556.5	5600000
9	3	97.8	14	1334.2	1016.2	6400000
10	3	92.2	14	1310.8	997.8	7200000
11	2	74.6	14	1192.4		8000000
12	1	65.9	14			8800000
13	1	56.4	14			9600000
14	1	56.6	14			10400000
15	3	85.2	14	1517.8	1668.8	11200000

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Data Sheet for FCC Radar Type 5						
Trial Number:			16	VSG Frequency(MHz):		5493.9885
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	76.3	5	1044.7		0
2	3	89.8	5	1586.2	1001.2	1500000
3	3	88.8	5	1792.2	1782.2	3000000
4	1	56.3	5			4500000
5	1	66.6	5			6000000
6	2	72.4	5	1260.6		7500000
7	1	52.1	5			9000000
8	2	77.6	5	1456.4		10500000

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Data Sheet for FCC Radar Type 5						
Trial Number:			17	VSG Frequency(MHz):		5499.5885
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	61.3	19			0
2	3	87.9	19	979.1	1067.1	631579
3	1	65.7	19			1263158
4	1	65.2	19			1894737
5	2	76	19	1374		2526316
6	1	56	19			3157895
7	1	59.1	19			3789474
8	2	80.9	19	1356.1		4421053
9	1	57	19			5052632
10	2	67.3	19	1311.7		5684211
11	1	64.9	19			6315789
12	2	78.8	19	1498.2		6947368
13	3	94.6	19	1357.4	924.4	7578947
14	3	90	19	1366	1590	8210526
15	1	57.7	19			8842105
16	3	86.4	19	1493.6	1809.6	9473684
17	1	50.9	19			10105263
18	2	79.2	19	1649.8		10736842
19	2	76.1	19	1209.9		11368421

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Data Sheet for FCC Radar Type 5						
Trial Number:			18	VSG Frequency(MHz):		5499.1885
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	60.5	18			0
2	1	54.4	18			631579
3	2	81.8	18	1462.2		1263158
4	3	92.5	18	1146.5	1689.5	1894737
5	1	64.6	18			2526316
6	2	78	18	954		3157895
7	1	65.8	18			3789474
8	2	70.6	18	1769.4		4421053
9	3	94.5	18	1391.5	1132.5	5052632
10	2	67.2	18	1097.8		5684211
11	2	79.1	18	1920.9		6315789
12	2	75.7	18	1506.3		6947368
13	1	61.9	18			7578947
14	3	95.2	18	943.8	1716.8	8210526
15	2	77.4	18	1857.6		8842105
16	3	96.8	18	1848.2	960.2	9473684
17	1	58.5	18			10105263
18	1	62.7	18			10736842
19	1	53.3	18			11368421

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Data Sheet for FCC Radar Type 5						
Trial Number:			19	VSG Frequency(MHz):		5498.3885
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	58.7	16			0
2	2	80.4	16	1618.6		705882
3	3	88.6	16	1199.4	1120.4	1411765
4	1	61.2	16			2117647
5	2	67.5	16	996.5		2823529
6	3	98.6	16	1653.4	1345.4	3529412
7	3	91.6	16	1533.4	1679.4	4235294
8	2	77.9	16	1169.1		4941176
9	3	90.6	16	1630.4	1078.4	5647059
10	3	86.4	16	1115.6	1222.6	6352941
11	2	82.1	16	1330.9		7058824
12	1	52.4	16			7764706
13	1	55.4	16			8470588
14	3	87.4	16	1871.6	1880.6	9176471
15	3	96.4	16	1621.6	1610.6	9882353
16	3	91.7	16	1438.3	1842.3	10588235
17	2	73.1	16	1620.9		11294118

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Data Sheet for FCC Radar Type 5						
Trial Number:			20	VSG Frequency(MHz):		5498.3885
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.5	16	1268.5		0
2	3	95.5	16	1298.5	1058.5	705882
3	1	51.1	16			1411765
4	3	87.3	16	1708.7	1376.7	2117647
5	1	60.2	16			2823529
6	3	85.5	16	1538.5	1527.5	3529412
7	1	64.6	16			4235294
8	1	63.7	16			4941176
9	2	78	16	1196		5647059
10	3	91.7	16	1744.3	1687.3	6352941
11	1	52.9	16			7058824
12	3	83.7	16	1696.3	1336.3	7764706
13	2	67.1	16	1671.9		8470588
14	3	93.2	16	1771.8	1050.8	9176471
15	3	99.2	16	1848.8	1333.8	9882353
16	2	73.7	16	1657.3		10588235
17	3	97.7	16	1429.3	1456.3	11294118

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Data Sheet for FCC Radar Type 5						
Trial Number:			21	VSG Frequency(MHz):		5565.2115
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	70.5	7	1486.5		0
2	3	95.7	7	1202.3	1634.3	1333333
3	2	71.9	7	1118.1		2666667
4	3	93.2	7	1191.8	1412.8	4000000
5	1	64.3	7			5333333
6	3	93.9	7	1307.1	1556.1	6666667
7	2	73.1	7	953.9		8000000
8	1	50.1	7			9333333
9	2	75.3	7	1399.7		10666667

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Data Sheet for FCC Radar Type 5						
Trial Number:			22	VSG Frequency(MHz):		5566.0115
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	84.2	5	1520.8	1541.8	0
2	1	62.4	5			1500000
3	1	64.8	5			3000000
4	2	73.7	5	1255.3		4500000
5	3	88.3	5	1843.7	1743.7	6000000
6	1	65.6	5			7500000
7	1	53.4	5			9000000
8	1	54.3	5			10500000

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Data Sheet for FCC Radar Type 5						
Trial Number:			23	VSG Frequency(MHz):		5564.4115
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	67.2	9	1858.8		0
2	1	63.1	9			1090909
3	1	61.6	9			2181818
4	1	66	9			3272727
5	3	98.5	9	1513.5	1698.5	4363636
6	3	95	9	1829	1566	5454545
7	2	74	9	1301		6545455
8	3	97.6	9	1164.4	1560.4	7636364
9	3	89.6	9	1098.4	1903.4	8727273
10	1	56.9	9			9818182
11	3	88.6	9	1079.4	1459.4	10909091

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Data Sheet for FCC Radar Type 5						
Trial Number:			24	VSG Frequency(MHz):		5566.0115
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.2	5	1057.8	1866.8	0
2	2	73.4	5	1813.6		1500000
3	3	93.2	5	1445.8	1229.8	3000000
4	2	82.9	5	1006.1		4500000
5	2	78.8	5	1317.2		6000000
6	1	57.7	5			7500000
7	2	66.8	5	1562.2		9000000
8	1	50.6	5			10500000

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Data Sheet for FCC Radar Type 5						
Trial Number:			25	VSG Frequency(MHz):		5563.6115
Number of Bursts in Trial:			13	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	69.7	11	1277.3		0
2	2	79.9	11	1144.1		923077
3	1	65.1	11			1846154
4	1	51.5	11			2769231
5	2	78	11	1215		3692308
6	3	87.2	11	1154.8	1346.8	4615385
7	3	85	11	1740	1515	5538462
8	1	51.2	11			6461538
9	1	52.2	11			7384615
10	3	98.9	11	1888.1	1258.1	8307692
11	1	54.2	11			9230769
12	1	53.3	11			10153846
13	3	87.4	11	1116.6	1282.6	11076923

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Data Sheet for FCC Radar Type 5						
Trial Number:			26	VSG Frequency(MHz):		5560.0115
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	80.2	20	1069.8		0
2	1	62.8	20			600000
3	2	75.9	20	1215.1		1200000
4	3	86.1	20	1585.9	914.9	1800000
5	1	62	20			2400000
6	2	81.6	20	1903.4		3000000
7	2	72	20	957		3600000
8	1	50.7	20			4200000
9	3	97.9	20	1194.1	1207.1	4800000
10	3	95.7	20	944.3	1133.3	5400000
11	2	74.8	20	1380.2		6000000
12	3	87	20	1504	939	6600000
13	3	84.5	20	1895.5	1790.5	7200000
14	1	55.9	20			7800000
15	1	51.8	20			8400000
16	3	91.1	20	1496.9	1388.9	9000000
17	2	79.5	20	1550.5		9600000
18	3	86.1	20	1179.9	1474.9	10200000
19	1	65.9	20			10800000
20	2	71.4	20	1242.6		11400000

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Data Sheet for FCC Radar Type 5						
Trial Number:			27	VSG Frequency(MHz):		5564.0115
Number of Bursts in Trial:			12	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	64.9	10			0
2	3	83.7	10	1169.3	1447.3	1000000
3	2	74.4	10	1109.6		2000000
4	1	52.1	10			3000000
5	1	61.5	10			4000000
6	3	83.6	10	1365.4	1889.4	5000000
7	2	78.9	10	1633.1		6000000
8	1	63.5	10			7000000
9	3	93.8	10	976.2	1572.2	8000000
10	2	71.8	10	1342.2		9000000
11	3	98.7	10	1570.3	1479.3	10000000
12	3	85.3	10	951.7	1204.7	11000000

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Data Sheet for FCC Radar Type 5						
Trial Number:			28	VSG Frequency(MHz):		5563.6115
Number of Bursts in Trial:			13	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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	53.5	11			0
2	1	51.2	11			923077
3	1	64	11			1846154
4	1	60.6	11			2769231
5	2	67.2	11	1710.8		3692308
6	3	96.9	11	1012.1	1878.1	4615385
7	2	66.7	11	1526.3		5538462
8	2	76.2	11	1412.8		6461538
9	3	94.9	11	1655.1	1289.1	7384615
10	3	99.9	11	1691.1	1008.1	8307692
11	2	71.8	11	1286.2		9230769
12	3	84.3	11	1715.7	1414.7	10153846
13	3	90.4	11	1086.6	1411.6	11076923

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Data Sheet for FCC Radar Type 5						
Trial Number:			29	VSG Frequency(MHz):		5561.2115
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	64.6	17			0
2	3	93.6	17	971.4	1723.4	705882
3	2	81.3	17	1003.7		1411765
4	2	83.1	17	1458.9		2117647
5	1	60.1	17			2823529
6	2	72.7	17	1567.3		3529412
7	1	62.8	17			4235294
8	3	88.4	17	1716.6	1679.6	4941176
9	2	81.9	17	1549.1		5647059
10	2	72.4	17	1059.6		6352941
11	3	96.5	17	1166.5	1576.5	7058824
12	3	88.5	17	916.5	1485.5	7764706
13	2	73.8	17	1803.2		8470588
14	2	74.5	17	1770.5		9176471
15	2	78.5	17	1121.5		9882353
16	1	52.7	17			10588235
17	1	58.4	17			11294118

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Data Sheet for FCC Radar Type 5						
Trial Number:			30	VSG Frequency(MHz):		5564.8115
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 Lo- cation Within Inter- val
		(μ s)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	57	8			0
2	2	76.1	8	1684.9		1200000
3	3	97	8	1036	1742	2400000
4	3	89.5	8	1849.5	1271.5	3600000
5	3	83.4	8	998.6	1641.6	4800000
6	2	83.3	8	1486.7		6000000
7	3	91.9	8	1274.1	1151.1	7200000
8	3	91.3	8	1253.7	1863.7	8400000
9	2	73.8	8	1549.2		9600000
10	2	82.6	8	1290.4		10800000

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Radar Type 6 for 802.11ac80 5530 MHz:

Data Sheet for FCC Radar Type 6

Trial	VSG Frequency (MHz)	Pulses per Hop	Pulse Width	PRI	Successful Detection
			(μs)	(μs)	(Yes/No)
1	5530	9	1	333	Yes
2	5530	9	1	333	Yes
3	5530	9	1	333	Yes
4	5530	9	1	333	Yes
5	5530	9	1	333	Yes
6	5530	9	1	333	Yes
7	5530	9	1	333	Yes
8	5530	9	1	333	Yes
9	5530	9	1	333	Yes
10	5530	9	1	333	Yes
11	5530	9	1	333	Yes
12	5530	9	1	333	Yes
13	5530	9	1	333	Yes
14	5530	9	1	333	Yes
15	5530	9	1	333	Yes
16	5530	9	1	333	Yes
17	5530	9	1	333	Yes
18	5530	9	1	333	Yes
19	5530	9	1	333	Yes
20	5530	9	1	333	Yes
21	5530	9	1	333	Yes
22	5530	9	1	333	Yes
23	5530	9	1	333	Yes
24	5530	9	1	333	Yes
25	5530	9	1	333	Yes
26	5530	9	1	333	Yes
27	5530	9	1	333	Yes
28	5530	9	1	333	Yes
29	5530	9	1	333	Yes
30	5530	9	1	333	Yes

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