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# ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

Cisco Systems

125 West Tasman Drive San Jose California United States Applicant:

95134-1706

Cisco Systems

Manufacturer: 125 West Tasman Drive San Jose California United States

95134-1706

**Product Name:** FM3200

**Brand Name:** Fluidmesh FM3200 Model No.: FM3200, FM4200

1. Some passive components of the DCIN circuit are

mounted on PCB in FM4200 model.

2. Antenna connectors are different: RP-SMA on FM3200, **Model Difference:** 

QMA on FM4200.

3. Bottom part of FM4200 enclosure has M12 connectors instead of RJ45 ports: M12 DCIN port is added on FM4200.

**Report Number:** ER/2020/30133

FCC ID: R5SX200

**FCC Rule Part:** §15.407, Cat: NII Issue Date: March 22, 2021

Date of Test: April 6, 2020 - November 11, 2020

Date of EUT Received: March 24, 2020

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab 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.

Approved By:





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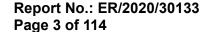


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Revision History					
Report Number Revision Description Issue Date Remark					
ER/2020/30133	Rev.00	Original.	March 22, 2021	Revised By: Violetta Tang	

#### Note:

- 1 · Multiple Model numbers or Trademarks
  - The variant model numbers are assessed as identical in hardware and software to each other, hence all variants are fully covered by the test results in this test report without further verification test.
- 2 · Disclaimer
  - Variant information between model numbers is provided by the applicant, test results of this report are applicable to the sample EUT received.
- 3 · Disclaimer
  - Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.





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#### **GENERAL INFORMATION**

# 1.1 Product Description

#### General:

Product Name:	FM3200
Brand Name:	Fluidmesh FM3200
Model No.:	FM3200, FM4200
Model Difference:	<ol> <li>Some passive components of the DCIN circuit are mounted on PCB in FM4200 model.</li> <li>Antenna connectors are different: RP-SMA on FM3200, QMA on FM4200.</li> <li>Bottom part of FM4200 enclosure has M12 connectors instead of RJ45 ports: M12 DCIN port is added on FM4200.</li> </ol>
Operation mode	Master equipment
Product SW/HW version:	Please refer to DFS FW version print screen as below.
Radio SW/HW version:	N/A / N/A
Power Supply:	48V from AC/DC Adapter
Modulation type	64QAM, 16QAM, QPSK, BPSK for OFDM
Transition Rate:	802.11 n_20MHz: 6.5 - 144.4Mbps 802.11 n_40MHz: 13.5 - 300.0Mbps

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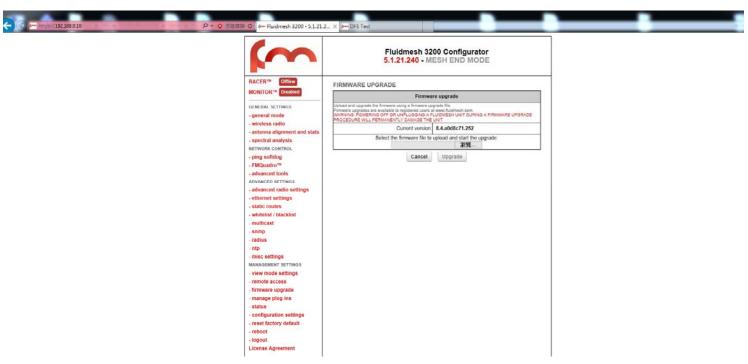
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#### DFS FW version:

#### Master



#### Slave



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#### 1.2 FCC WLAN 5GHz:

Wi-Fi 802.11	Frequency Range	Channels	Avg. Power (dBm)	Maximum Antenna Gain (dBi)	EIRP (dBm)
n_HT 20M	5470~5725	12	10.95	16	26.95
n_HT 40M	5470~5725	6	10.56	16	26.56

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#### 1.3 Test Methodology of Applied Standards

FCC Part 15, Subpart E §15.407 FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

#### 1.4 Test Facility

SGS Taiwan Ltd. Central RF Lab (TAF code 3702)

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803

FCC Designation number: TW0027

# 1.5 Special Accessories

There are no special accessories used while test was conducted.

# 1.6 Equipment Modifications

There was no modification incorporated into the EUT.

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# **SUMMARY OF TEST RESULT**

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

#### **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.

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

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#### TPC AND DFS MEASUREMENT

#### 4.1 TPC: Standard Applicable

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

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

# 4.2 DFS: Standard Applicable

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

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

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

Non-occupancy Period. A channel that has been flagged as containing a radar system, either by a channel availability check or in-service monitoring, is subject to a non-occupancy period of at least 30 minutes. The non-occupancy period starts at the time when the radar system is detected.

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### **APPLICABLE STANDARDS**

Table 1: Applicability of DFS requirements prior to use of a channel

Day in word	Operational Mode			
Requirement	Master Client(without rada 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

	Operational Mode			
Requirement	Master Device or Client with Radar Detection	Client Without Radar Detection		
DFS Detection Threshold	Yes	Not required		
Cannel 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 Perfor- mance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Trans- mission 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 ≥ 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.

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate 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.

**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.

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#### **Table 5: Radar Test Waveforms Short Pulse Radar**

Radar	Pulse	PRI	Number of Pulses	Minimum	Minimum	
Type	Width	(µsec)		Percentage of	Number	
	(µsec)			Successful	of	
				Detection	Trials	
0	1	1428	18	See Note 1	See Note	
					1	
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a  Test B: 15 unique PRI values randomly selected within the range of 518-3066 µsec, with a minimum increment of 1 µsec, excluding PRI values selected in Test A	Roundup $ \left\{ \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: Chart Pulse Pader Type 0 should be used for the detection bandwidth test, channel move					

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	Minimum Number of Trials
5	50-100	5-20	1000- 2000	1-3	8-20	Detection 80%	30

Frequency Hopping Radar

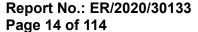
- 1- 1-	<u> </u>						
Radar	Pulse	PRI	Pulses	Hopping	Hopping	Minimum	Minimum
Type	Width	(µsec)	per	Rate	Sequence	Percentage of	Number of
	(µsec)		Hop	(kHz)	Length	Successful	Trials
					(msec)	Detection	
6	1	333	9	0.333	300	70%	30

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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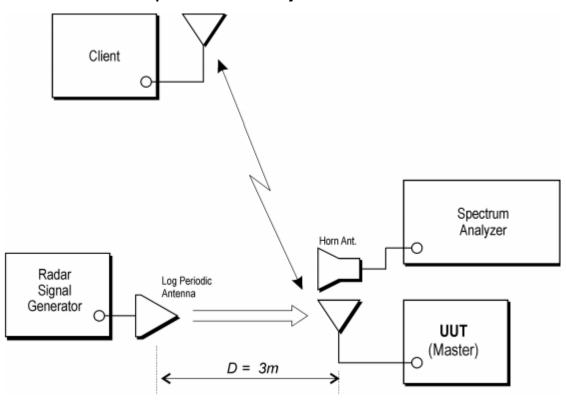
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SGS

#### 6 TEST SETUP

#### Setup for Master with injection at the Master



#### 7 TEST EQUIPMENT USED:

Conducted Emission Test Site											
EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.						
TYPE		NUMBER	NUMBER	CAL.							
Horn antenna	ETS.LINDGREN	3117	123995	02/06/2020	02/05/2021						
Horn antenna	ETS.LINDGREN	3117	143272	06/20/2020	06/19/2021						
Signal Generator	KEYSIGHT	N5182B	MY59100743	06/26/2020	06/25/2021						
EXA Spectrum	KEYSIGHT	N9010B	MY59071541	06/26/2020	06/25/2021						
Analyzer	KETSIGITI	1190106	W1139011341	00/20/2020	00/23/2021						
Notebook	Lenovo	T470	PF-0XLQGV	N/A	N/A						
Notebook	Lenovo	T440P	PC-014TAK	N/A	N/A						
Access Point	Cisco	FM3200	3200060242	N/A	N/A						

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#### **DESCRIPTION OF EUT:**

EUT operates over below frequency ranges.

UNII-Band									
	UNII-2A (5250-5350 MHz)								
$\boxtimes$	UNII-2C (5470-5725 MHz)								

And is a Master device with radar detection and DFS capability

The EUT utilizes below architecture and nominal channel bandwidths.

802.11	20M	40M	80M	160M
а		N/A	N/A	N/A
n	$\boxtimes$	$\boxtimes$	N/A	N/A
ac				
ax				

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

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

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

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

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

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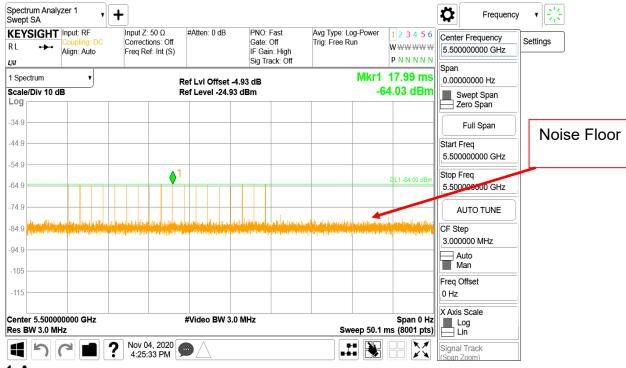


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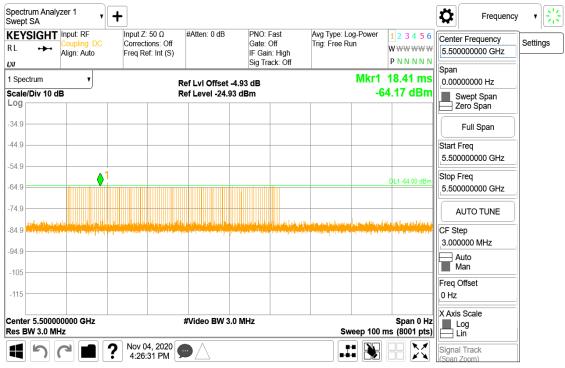
# 9 RADAR TYPE WAVEFORM CALIBRATION AT DFS DECTION THESHOLD

#### 9.1 5500MHz

Radar type 0



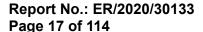
#### Radar type 1-A



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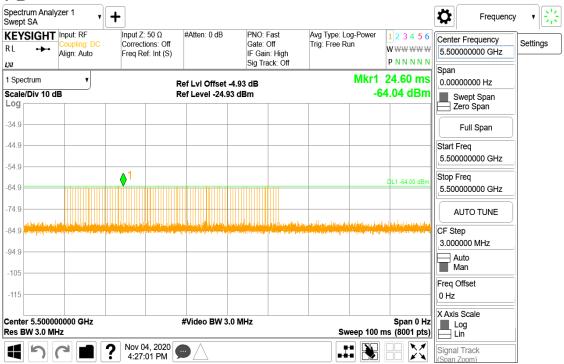
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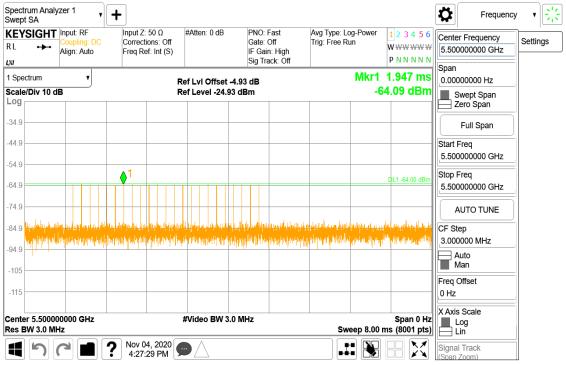




# Radar type 1-B



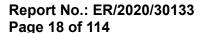
# Radar type 2



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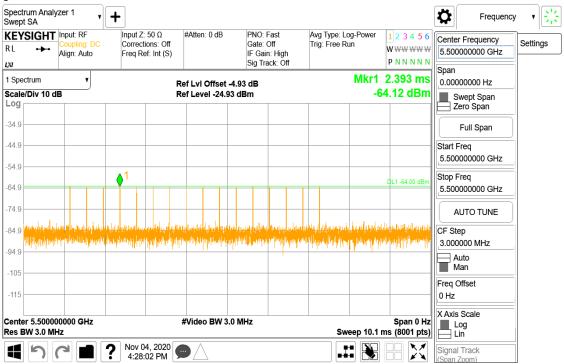
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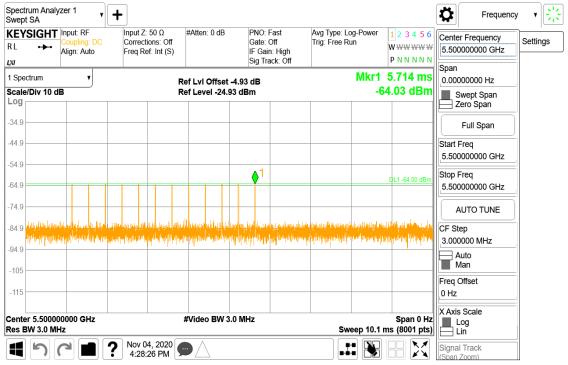




### Radar type 3



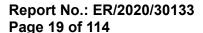
# Radar type 4



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#### Radar type 5



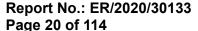
# Radar type 6



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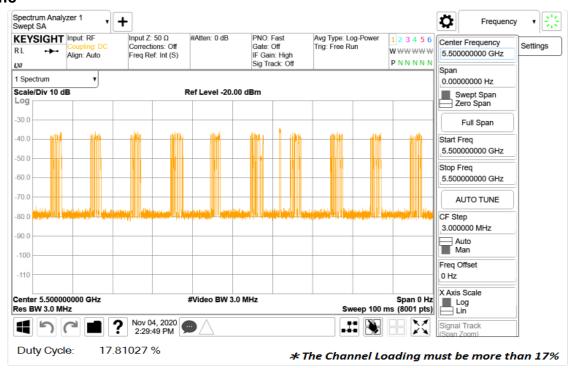
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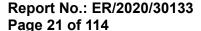


#### WLAN traffic



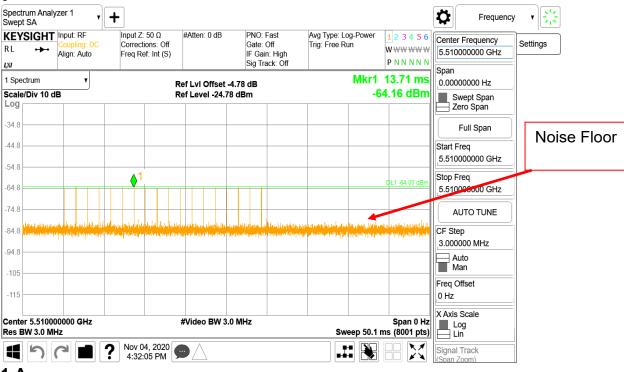
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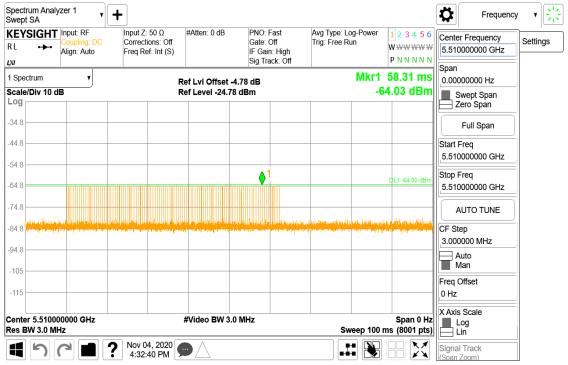




# 9.2 5510MHz Radar type 0



# Radar type 1-A

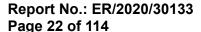


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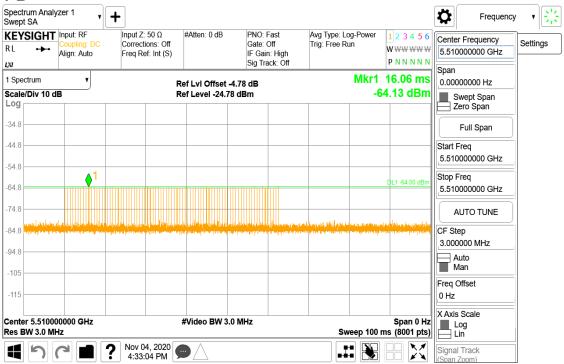
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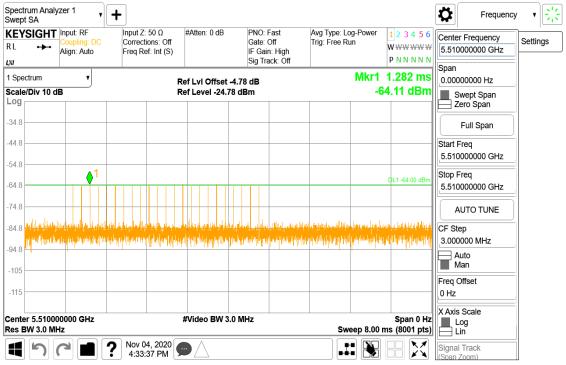




### Radar type 1-B



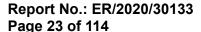
# Radar type 2



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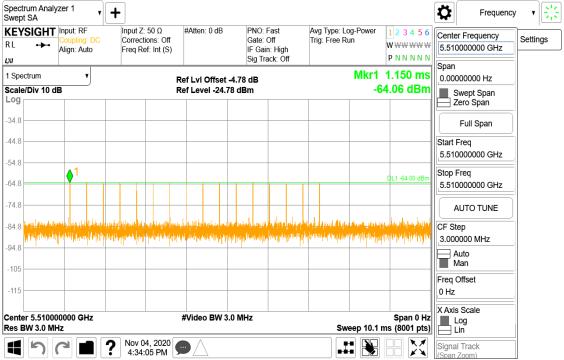
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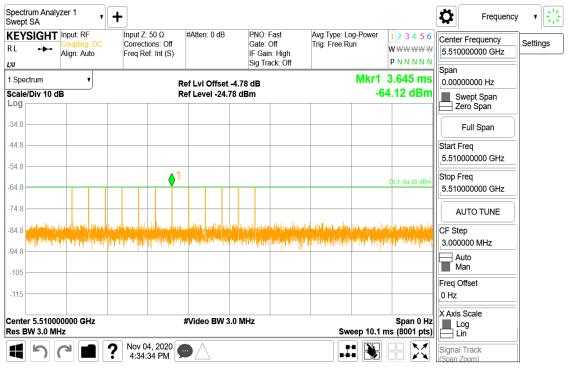




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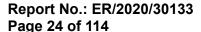
# Radar type 4



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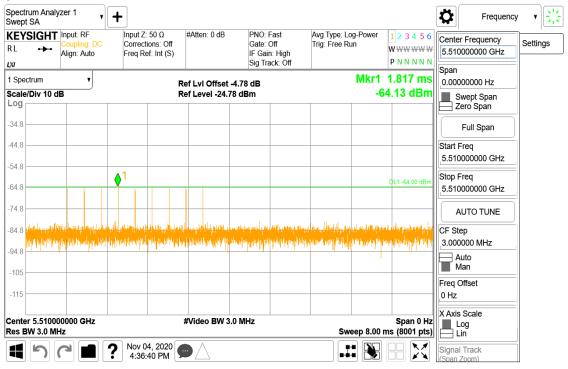




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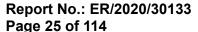
# Radar type 6



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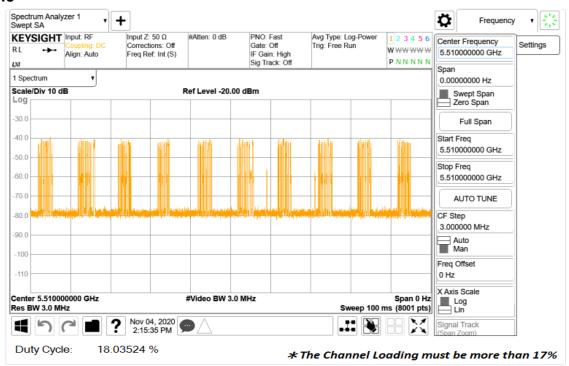
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#### WLAN traffic



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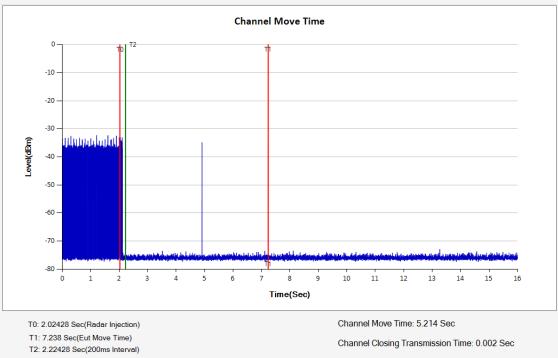
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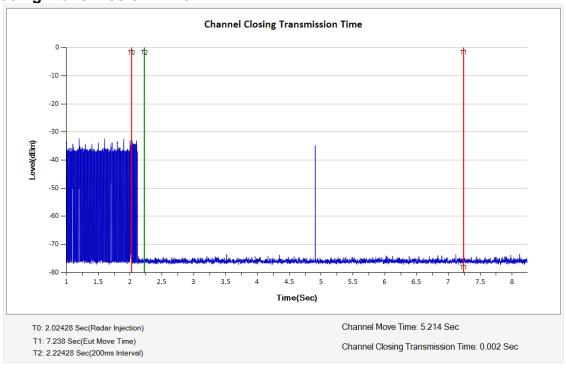


# 10 CHANNEL CLOSING TRANSMISSION AND CHANNEL MOVE TIME MEASURE-**MENT (RADAR TYPE 0)**

#### 10.15500MHz **Channel Move Time**



# **Channel Closing Transmission Time**



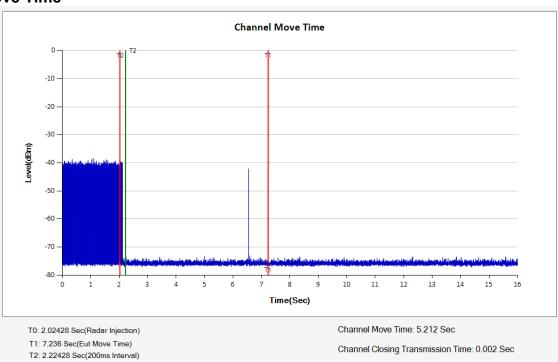
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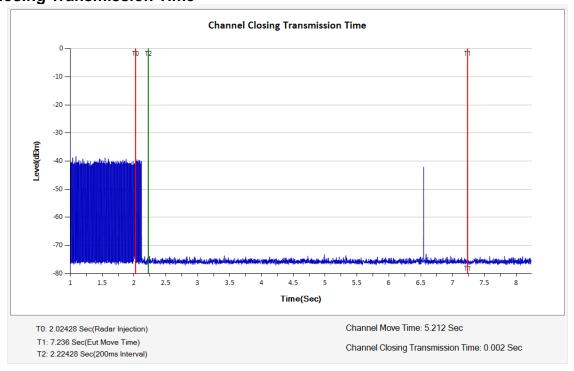
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# 10.25510MHz **Channel Move Time**



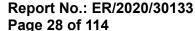
# **Channel Closing Transmission Time**



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#### 11 NON-OCCUPANCY PERIOD MEASUREMENT

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

#### 5500MHz



#### 5510MHz

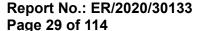


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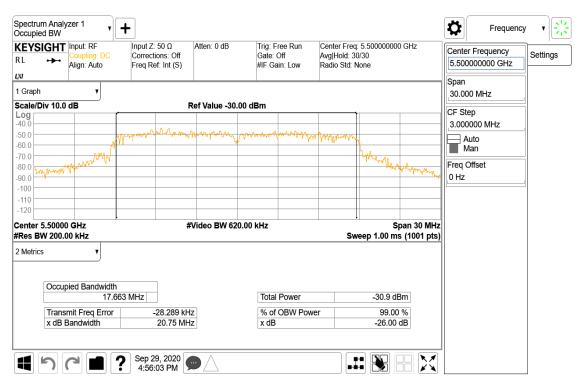
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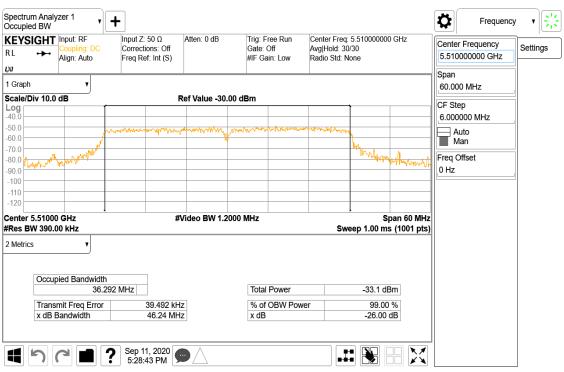


# 12 UNII DETECTION BANDWIDTH MEASUREMENT

#### 5500MHz



#### 5510MHz



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#### 5500MHz

**EUT operating Fre-**5500 **EUT 99% Bandwidth(MHz)** 17.663 quency(MHz)

Radar Type Radar Type 0 **Detction BW(MHz)** 20

**Test Result** \* 5510 FL: 5490 **Pass** FH:

	DFS Detection Trials (1=Detection, 0= No Detection)										
Radio Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5490	1	1	1	1	1	1	1	1	1	1	100
5495	1	1	1	1	1	1	1	1	1	1	100
5500	1	1	1	1	1	1	1	1	1	1	100
5505	1	1	1	1	1	1	1	1	1	1	100
5510	1	1	1	1	1	1	1	1	1	1	100

#### 5510MHz

**EUT operating Fre-EUT 99% Bandwidth(MHz)** 5510 36.292

quency(MHz)

Radar Type Radar Type 0 **Detction BW(MHz)** 40

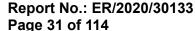
**Test Result** \* 5530 **Pass** FH: FL: 5490

	DFS Detection Trials (1=Detection, 0= No Detection)										
Radio Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5490	1	1	1	1	1	1	1	1	1	1	100
5495	1	1	1	1	1	1	1	1	1	1	100
5500	1	1	1	1	1	1	1	1	1	1	100
5505	1	1	1	1	1	1	1	1	1	1	100
5510	1	1	1	1	1	1	1	1	1	1	100
5515	1	1	1	1	1	1	1	1	1	1	100
5520	1	1	1	1	1	1	1	1	1	1	100
5525	1	1	1	1	1	1	1	1	1	1	100
5530	1	1	1	1	1	1	1	1	1	1	100

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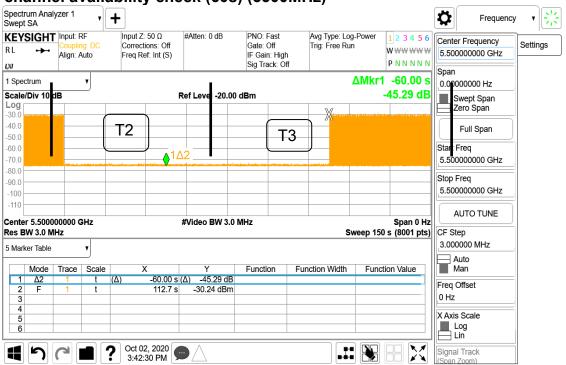
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#### 13 CHANNEL AVAILABILITY CHECK MEASUREMENT

The time of channel availability check (60s) (5500MHz)



T2 represents the channel availability time.

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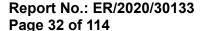
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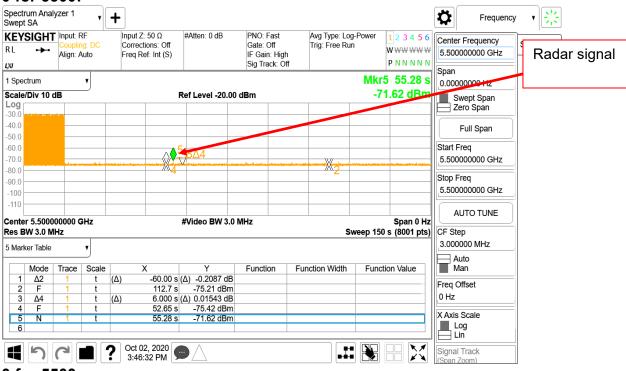
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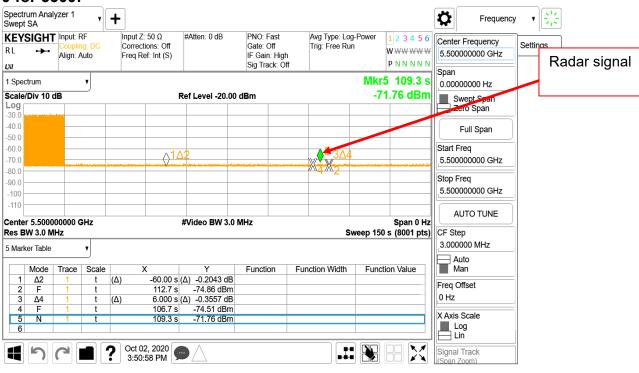




Radar type 0 for 5500:



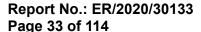
Radar type 0 for 5500:



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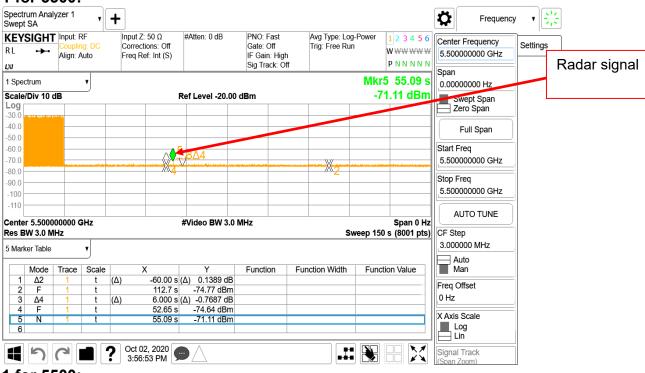
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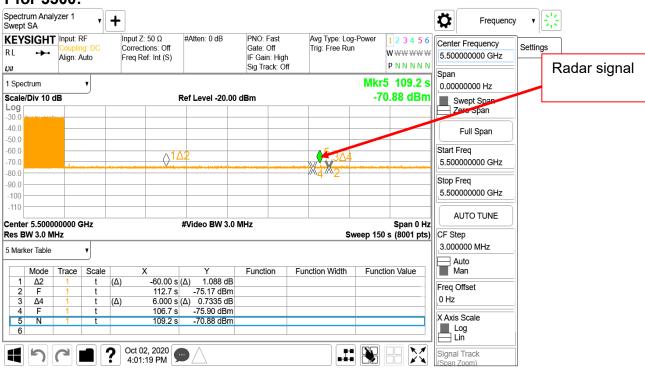




Radar type 1 for 5500:



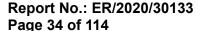
Radar type 1 for 5500:



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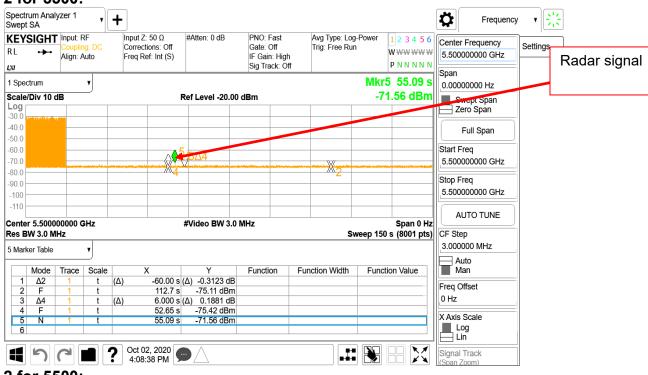
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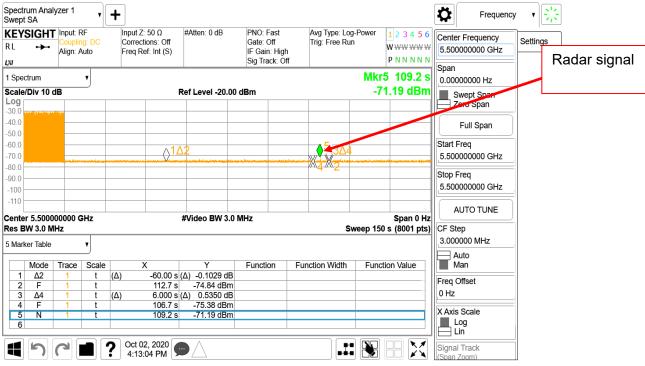




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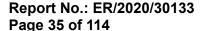
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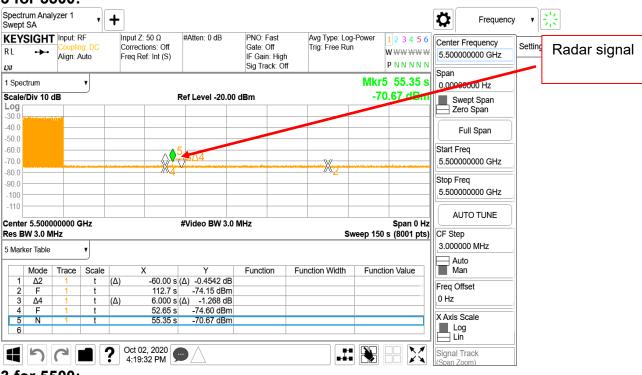
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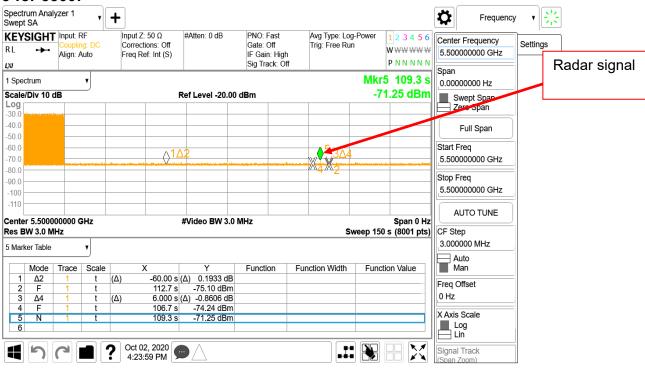




Radar type 3 for 5500:



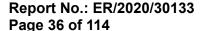
Radar type 3 for 5500:



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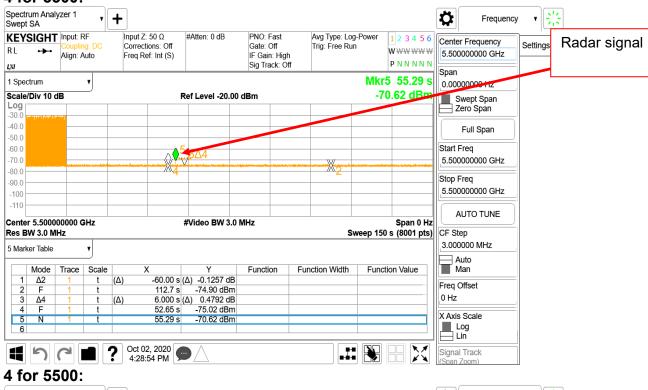
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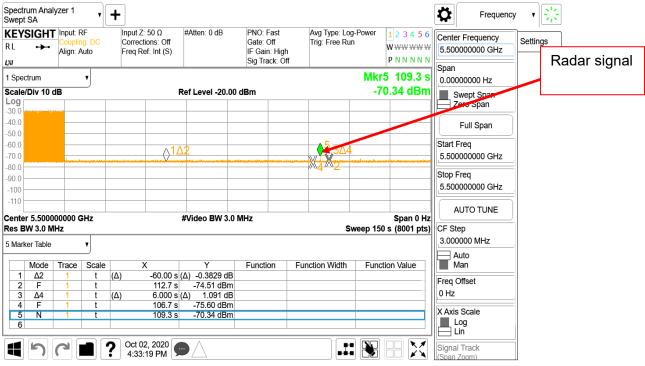




Radar type 4 for 5500:



# Radar type 4 for 5500:



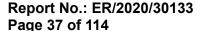
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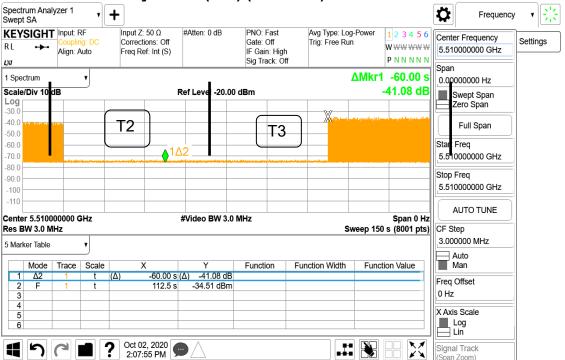
台灣檢驗科技股份有限公司

f (886-2) 2298-0488 t (886-2) 2299-3279





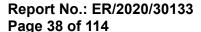
# The time of channel availability check (60s) (5510MHz)



T2 represents the channel availability time.

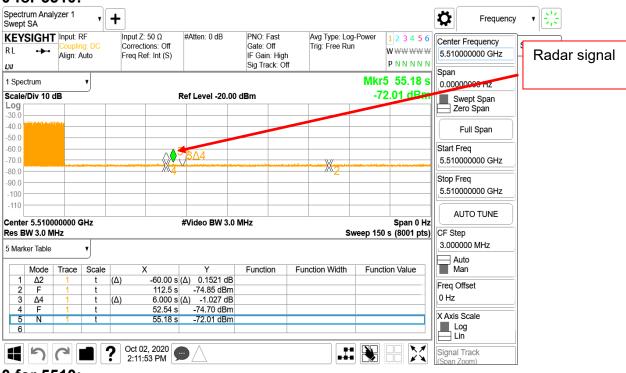
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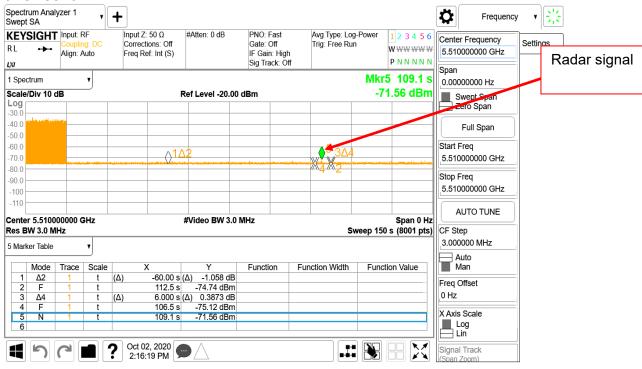




Radar type 0 for 5510:

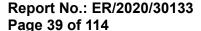


Radar type 0 for 5510:



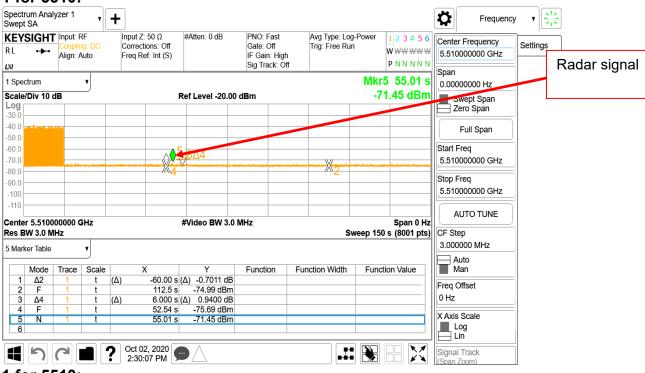
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Radar type 1 for 5510:

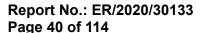


#### Radar type 1 for 5510:



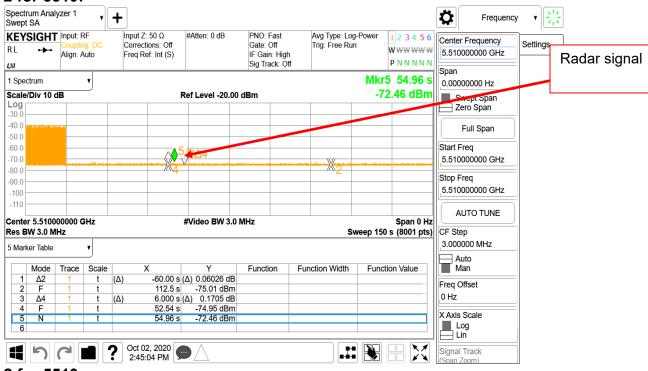
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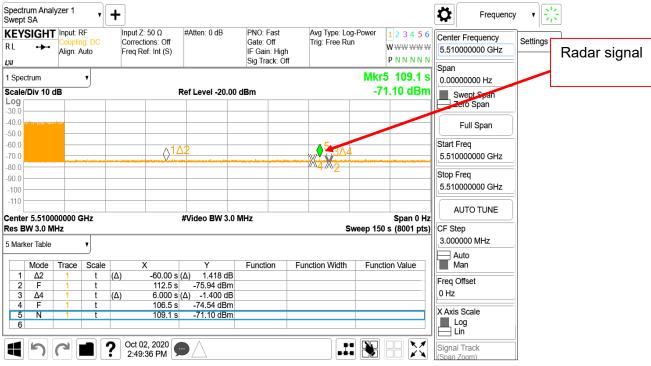




Radar type 2 for 5510:



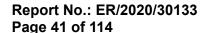
#### Radar type 2 for 5510:



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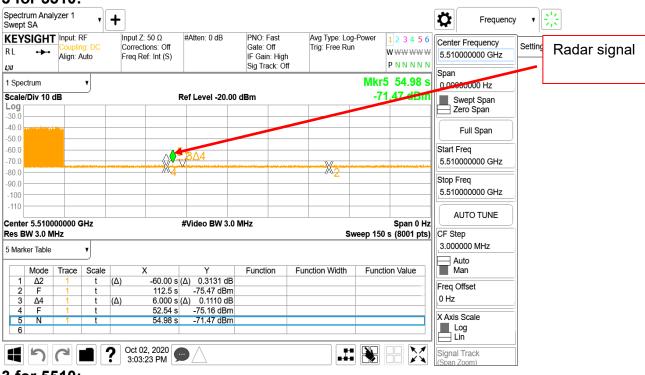
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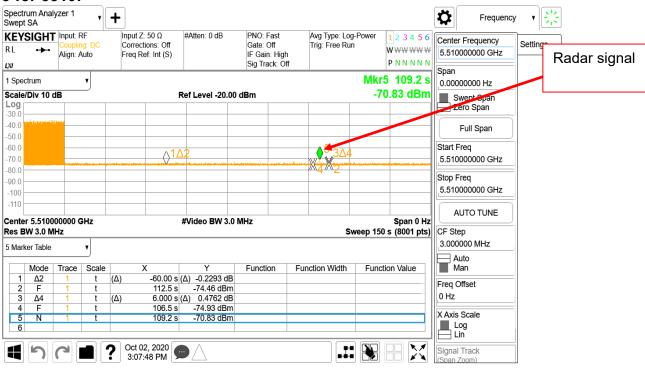




Radar type 3 for 5510:



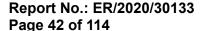
Radar type 3 for 5510:



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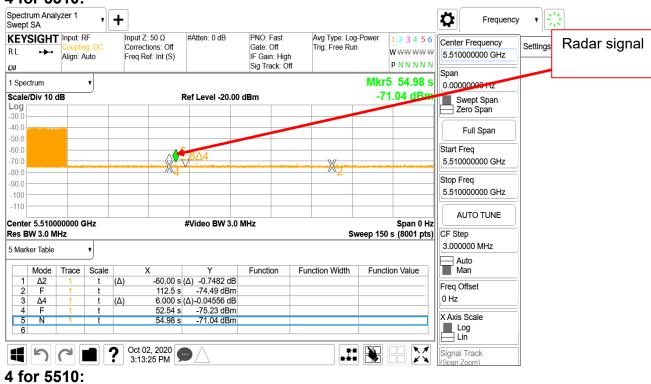
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Radar type 4 for 5510:



Radar type 4 for 5510:



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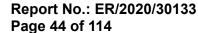
#### 14 IN-SERVICE MONITORING:

#### 5500 MHz:

VITIZ.					
Short Pulse Ra- dar Type	Minimum Number of Trials	Detection(%)		Minmum Percentage of Suc- cessful Detection(%)	Pass/Fail
1	30	10	00	60	Pass
2	30	96	.67	60	Pass
3	30	96	.67	60	Pass
4	30	93	.33	60	Pass
Aggregate (Radar Types 1-4)	120	96.6	675	80	Pass
Long Pulse Radar Type	Minimum Number of Trials	Eacn	Total Detection(%)	Minmum Percentage of Suc- cessful Detection(%)	Pass/Fail
	Center:10	100			
5	Low Edge:10	100	100	80	Pass
	High Edge:10	100			
Frequency Hopping Radar Type	Minimum Number of Trials	Detection(%)		Minmum Percentage of Suc- cessful Detection(%)	Pass/Fail
6	30	10	00	70	Pass

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# Radar Type 1 for 5500 MHz:

Data Sheet for FCC Radar Type 1

Trial	VSG Freqency (MHz)	Pulse Repetition Frequency Number (1 to 23)	Pulse Repeti- tion Frequency	PRI	Test A/B	Successful Detection
			(Pulses Per Second)	(µsec)	A/B	(Yes/No)
1	5500	1	1930.5	518	Α	Yes
2	5500	5	1672.2	598	Α	Yes
3	5500	12	1355	738	Α	Yes
4	5500	23	326.2	3066	Α	Yes
5	5500	9	1474.9	678	Α	Yes
6	5500	11	1392.8	718	Α	Yes
7	5500	19	1139	878	Α	Yes
8	5500	21	1089.3	918	Α	Yes
9	5500	2	1858.7	538	Α	Yes
10	5500	14	1285.3	778	Α	Yes
11	5500	4	1730.1	578	Α	Yes
12	5500	7	1567.4	638	Α	Yes
13	5500	22	1066.1	938	Α	Yes
14	5500	20	1113.6	898	Α	Yes
15	5500	8	1519.8	658	Α	Yes
16	5500	-	348.2	2872	В	Yes
17	5500	-	762.2	1312	В	Yes
18	5500	-	634.5	1576	В	Yes
19	5500	-	827.1	1209	В	Yes
20	5500	-	501	1996	В	Yes
21	5500	-	901.7	1109	В	Yes
22	5500	-	371.7	2690	В	Yes
23	5500	-	718.4	1392	В	Yes
24	5500	-	428.4	2334	В	Yes
25	5500	-	551.6	1813	В	Yes
26	5500	-	444.8	2248	В	Yes
27	5500	-	423.2	2363	В	Yes
28	5500	-	487.3	2052	В	Yes
29	5500	-	368.1	2717	В	Yes
30	5500	-	442.7	2259	В	Yes

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# Radar Type 2 for 5500 MHz:

Data Sheet for FCC Radar Type 2

Trial         VSG Frequency (MH-z)         Number Burst (23-29)         Pulses per Burst (23-29)         Pulse Width (1-5)         PRI (150-230)         Successful Detection           1         5500         23         1.5         166         Yes           2         5500         29         4.6         197         Yes           3         5500         24         1.6         196         Yes           4         5500         26         3         159         Yes           5         5500         28         4.3         208         Yes           6         5500         24         2         185         Yes           7         5500         23         1.1         194         Yes           8         5500         23         1.1         194         Yes           9         5500         23         1.2         223         Yes           10         5500         24         1.8         219         Yes           11         5500         24         1.8         219         Yes           11         5500         25         2.2         163         Yes           12         5500         2						
1         5500         23         1.5         166         Yes           2         5500         29         4.6         197         Yes           3         5500         24         1.6         196         Yes           4         5500         26         3         159         Yes           5         5500         28         4.3         208         Yes           6         5500         24         2         185         Yes           7         5500         23         1.1         194         Yes           8         5500         25         2.7         164         Yes           9         5500         23         1.2         223         Yes           10         5500         23         1.2         223         Yes           10         5500         23         1.2         223         Yes           11         5500         24         1.8         219         Yes           11         5500         27         3.3         191         Yes           12         5500         27         3.3         152         Yes           14 <td< th=""><th>Trial</th><th>Freqency</th><th>Pulses per Burst</th><th></th><th></th><th></th></td<>	Trial	Freqency	Pulses per Burst			
2         5500         29         4.6         197         Yes           3         5500         24         1.6         196         Yes           4         5500         26         3         159         Yes           5         5500         28         4.3         208         Yes           6         5500         24         2         185         Yes           7         5500         23         1.1         194         Yes           8         5500         25         2.7         164         Yes           9         5500         23         1.2         223         Yes           10         5500         24         1.8         219         Yes           11         5500         24         1.8         219         Yes           11         5500         25         2.2         163         Yes           12         5500         27         3.3         191         Yes           13         5500         26         2.8         167         Yes           14         5500         27         3.3         152         Yes           15 <td< th=""><th></th><th></th><th>(====)</th><th><math>(\mu  \mathrm{sec})</math></th><th>( μ sec)</th><th>(Yes/No)</th></td<>			(====)	$(\mu  \mathrm{sec})$	( μ sec)	(Yes/No)
3         5500         24         1.6         196         Yes           4         5500         26         3         159         Yes           5         5500         28         4.3         208         Yes           6         5500         24         2         185         Yes           7         5500         23         1.1         194         Yes           8         5500         25         2.7         164         Yes           9         5500         23         1.2         223         Yes           10         5500         24         1.8         219         Yes           10         5500         24         1.8         219         Yes           11         5500         25         2.2         163         Yes           12         5500         27         3.3         191         Yes           13         5500         26         2.8         167         Yes           14         5500         27         3.3         152         Yes           15         5500         23         1.5         153         Yes           16 <t< td=""><td>1</td><td>5500</td><td>23</td><td>1.5</td><td>166</td><td>Yes</td></t<>	1	5500	23	1.5	166	Yes
4         5500         26         3         159         Yes           5         5500         28         4.3         208         Yes           6         5500         24         2         185         Yes           7         5500         23         1.1         194         Yes           8         5500         25         2.7         164         Yes           9         5500         23         1.2         223         Yes           10         5500         24         1.8         219         Yes           10         5500         24         1.8         219         Yes           11         5500         25         2.2         163         Yes           12         5500         27         3.3         191         Yes           13         5500         26         2.8         167         Yes           14         5500         27         3.3         152         Yes           15         5500         23         1.5         153         Yes           16         5500         24         2.1         202         Yes           17         <	2	5500	29	4.6	197	Yes
5         5500         28         4.3         208         Yes           6         5500         24         2         185         Yes           7         5500         23         1.1         194         Yes           8         5500         25         2.7         164         Yes           9         5500         23         1.2         223         Yes           10         5500         24         1.8         219         Yes           11         5500         24         1.8         219         Yes           11         5500         25         2.2         163         Yes           12         5500         27         3.3         191         Yes           13         5500         26         2.8         167         Yes           14         5500         27         3.3         152         Yes           15         5500         23         1.5         153         Yes           16         5500         24         2.1         202         Yes           17         5500         27         3.8         160         No           18	3	5500	24	1.6	196	Yes
6         5500         24         2         185         Yes           7         5500         23         1.1         194         Yes           8         5500         25         2.7         164         Yes           9         5500         23         1.2         223         Yes           10         5500         24         1.8         219         Yes           11         5500         24         1.8         219         Yes           11         5500         24         1.8         219         Yes           12         5500         25         2.2         163         Yes           12         5500         27         3.3         191         Yes           13         5500         26         2.8         167         Yes           14         5500         27         3.3         152         Yes           15         5500         23         1.5         153         Yes           16         5500         24         2.1         202         Yes           17         5500         27         3.8         160         No           18	4	5500	26	3	159	Yes
7         5500         23         1.1         194         Yes           8         5500         25         2.7         164         Yes           9         5500         23         1.2         223         Yes           10         5500         24         1.8         219         Yes           11         5500         25         2.2         163         Yes           12         5500         27         3.3         191         Yes           13         5500         26         2.8         167         Yes           14         5500         27         3.3         152         Yes           15         5500         23         1.5         153         Yes           16         5500         24         2.1         202         Yes           17         5500         27         3.8         160         No           18         5500         23         1.1         178         Yes           19         5500         25         2.5         176         Yes           20         5500         25         2.3         158         Yes           21	5	5500	28	4.3	208	Yes
8         5500         25         2.7         164         Yes           9         5500         23         1.2         223         Yes           10         5500         24         1.8         219         Yes           11         5500         25         2.2         163         Yes           12         5500         27         3.3         191         Yes           13         5500         26         2.8         167         Yes           14         5500         27         3.3         152         Yes           15         5500         23         1.5         153         Yes           16         5500         24         2.1         202         Yes           17         5500         27         3.8         160         No           18         5500         27         3.8         160         No           18         5500         23         1.1         178         Yes           20         5500         25         2.5         176         Yes           21         5500         25         2.2         190         Yes           22	6	5500	24	2	185	Yes
9       5500       23       1.2       223       Yes         10       5500       24       1.8       219       Yes         11       5500       25       2.2       163       Yes         12       5500       27       3.3       191       Yes         13       5500       26       2.8       167       Yes         14       5500       27       3.3       152       Yes         15       5500       23       1.5       153       Yes         16       5500       24       2.1       202       Yes         17       5500       27       3.8       160       No         18       5500       23       1.1       178       Yes         19       5500       25       2.5       176       Yes         20       5500       25       2.3       158       Yes         21       5500       25       2.2       190       Yes         22       5500       25       2.5       175       Yes         23       5500       25       2.5       175       Yes         24       5500 <td< td=""><td>7</td><td>5500</td><td>23</td><td>1.1</td><td>194</td><td>Yes</td></td<>	7	5500	23	1.1	194	Yes
10         5500         24         1.8         219         Yes           11         5500         25         2.2         163         Yes           12         5500         27         3.3         191         Yes           13         5500         26         2.8         167         Yes           14         5500         27         3.3         152         Yes           15         5500         23         1.5         153         Yes           16         5500         24         2.1         202         Yes           17         5500         27         3.8         160         No           18         5500         27         3.8         160         No           18         5500         23         1.1         178         Yes           20         5500         25         2.5         176         Yes           20         5500         25         2.3         158         Yes           21         5500         25         2.2         190         Yes           22         5500         25         2.5         175         Yes           23	8	5500	25	2.7	164	Yes
11       5500       25       2.2       163       Yes         12       5500       27       3.3       191       Yes         13       5500       26       2.8       167       Yes         14       5500       27       3.3       152       Yes         15       5500       23       1.5       153       Yes         16       5500       24       2.1       202       Yes         17       5500       27       3.8       160       No         18       5500       23       1.1       178       Yes         19       5500       25       2.5       176       Yes         20       5500       25       2.3       158       Yes         21       5500       25       2.2       190       Yes         22       5500       25       2.5       175       Yes         23       5500       25       2.5       175       Yes         24       5500       25       2.7       172       Yes         25       5500       25       2.7       172       Yes         25       5500 <t< td=""><td>9</td><td>5500</td><td>23</td><td>1.2</td><td>223</td><td>Yes</td></t<>	9	5500	23	1.2	223	Yes
12       5500       27       3.3       191       Yes         13       5500       26       2.8       167       Yes         14       5500       27       3.3       152       Yes         15       5500       23       1.5       153       Yes         16       5500       24       2.1       202       Yes         17       5500       27       3.8       160       No         18       5500       23       1.1       178       Yes         19       5500       25       2.5       176       Yes         20       5500       25       2.3       158       Yes         21       5500       25       2.2       190       Yes         22       5500       25       2.5       175       Yes         23       5500       25       2.5       175       Yes         24       5500       25       2.7       172       Yes         25       5500       24       1.6       186       Yes         26       5500       27       3.9       221       Yes         26       5500 <t< td=""><td>10</td><td>5500</td><td>24</td><td>1.8</td><td>219</td><td>Yes</td></t<>	10	5500	24	1.8	219	Yes
13       5500       26       2.8       167       Yes         14       5500       27       3.3       152       Yes         15       5500       23       1.5       153       Yes         16       5500       24       2.1       202       Yes         17       5500       27       3.8       160       No         18       5500       23       1.1       178       Yes         19       5500       25       2.5       176       Yes         20       5500       25       2.3       158       Yes         21       5500       25       2.2       190       Yes         22       5500       25       2.5       175       Yes         23       5500       25       2.5       175       Yes         24       5500       25       2.7       172       Yes         25       5500       24       1.6       186       Yes         26       5500       27       3.9       221       Yes         26       5500       29       4.9       206       Yes         28       5500 <t< td=""><td>11</td><td>5500</td><td>25</td><td>2.2</td><td>163</td><td>Yes</td></t<>	11	5500	25	2.2	163	Yes
14       5500       27       3.3       152       Yes         15       5500       23       1.5       153       Yes         16       5500       24       2.1       202       Yes         17       5500       27       3.8       160       No         18       5500       23       1.1       178       Yes         19       5500       25       2.5       176       Yes         20       5500       25       2.3       158       Yes         21       5500       25       2.2       190       Yes         22       5500       25       2.5       175       Yes         23       5500       25       2.5       175       Yes         24       5500       28       4.2       225       Yes         24       5500       25       2.7       172       Yes         25       5500       24       1.6       186       Yes         26       5500       27       3.9       221       Yes         26       5500       29       4.9       206       Yes         28       5500 <t< td=""><td>12</td><td>5500</td><td>27</td><td>3.3</td><td>191</td><td>Yes</td></t<>	12	5500	27	3.3	191	Yes
15         5500         23         1.5         153         Yes           16         5500         24         2.1         202         Yes           17         5500         27         3.8         160         No           18         5500         23         1.1         178         Yes           19         5500         25         2.5         176         Yes           20         5500         25         2.3         158         Yes           21         5500         25         2.2         190         Yes           22         5500         25         2.5         175         Yes           23         5500         28         4.2         225         Yes           24         5500         28         4.2         225         Yes           24         5500         25         2.7         172         Yes           25         5500         24         1.6         186         Yes           26         5500         27         3.9         221         Yes           27         5500         29         4.9         206         Yes           28	13	5500	26	2.8	167	Yes
16       5500       24       2.1       202       Yes         17       5500       27       3.8       160       No         18       5500       23       1.1       178       Yes         19       5500       25       2.5       176       Yes         20       5500       25       2.3       158       Yes         21       5500       25       2.2       190       Yes         22       5500       25       2.5       175       Yes         23       5500       25       2.5       175       Yes         24       5500       28       4.2       225       Yes         24       5500       25       2.7       172       Yes         25       5500       24       1.6       186       Yes         26       5500       27       3.9       221       Yes         27       5500       29       4.9       206       Yes         28       5500       24       1.9       212       Yes         29       5500       27       3.5       230       Yes	14	5500	27	3.3	152	Yes
17       5500       27       3.8       160       No         18       5500       23       1.1       178       Yes         19       5500       25       2.5       176       Yes         20       5500       25       2.3       158       Yes         21       5500       25       2.2       190       Yes         22       5500       25       2.5       175       Yes         23       5500       28       4.2       225       Yes         24       5500       25       2.7       172       Yes         25       5500       24       1.6       186       Yes         26       5500       27       3.9       221       Yes         27       5500       29       4.9       206       Yes         28       5500       24       1.9       212       Yes         29       5500       27       3.5       230       Yes	15	5500	23	1.5	153	Yes
18         5500         23         1.1         178         Yes           19         5500         25         2.5         176         Yes           20         5500         25         2.3         158         Yes           21         5500         25         2.2         190         Yes           22         5500         25         2.5         175         Yes           23         5500         28         4.2         225         Yes           24         5500         25         2.7         172         Yes           25         5500         24         1.6         186         Yes           26         5500         27         3.9         221         Yes           27         5500         29         4.9         206         Yes           28         5500         24         1.9         212         Yes           29         5500         27         3.5         230         Yes	16	5500	24	2.1	202	Yes
19       5500       25       2.5       176       Yes         20       5500       25       2.3       158       Yes         21       5500       25       2.2       190       Yes         22       5500       25       2.5       175       Yes         23       5500       28       4.2       225       Yes         24       5500       25       2.7       172       Yes         25       5500       24       1.6       186       Yes         26       5500       27       3.9       221       Yes         27       5500       29       4.9       206       Yes         28       5500       24       1.9       212       Yes         29       5500       27       3.5       230       Yes	17	5500	27	3.8	160	No
20       5500       25       2.3       158       Yes         21       5500       25       2.2       190       Yes         22       5500       25       2.5       175       Yes         23       5500       28       4.2       225       Yes         24       5500       25       2.7       172       Yes         25       5500       24       1.6       186       Yes         26       5500       27       3.9       221       Yes         27       5500       29       4.9       206       Yes         28       5500       24       1.9       212       Yes         29       5500       27       3.5       230       Yes	18	5500	23	1.1	178	Yes
21       5500       25       2.2       190       Yes         22       5500       25       2.5       175       Yes         23       5500       28       4.2       225       Yes         24       5500       25       2.7       172       Yes         25       5500       24       1.6       186       Yes         26       5500       27       3.9       221       Yes         27       5500       29       4.9       206       Yes         28       5500       24       1.9       212       Yes         29       5500       27       3.5       230       Yes	19	5500	25	2.5	176	Yes
22       5500       25       2.5       175       Yes         23       5500       28       4.2       225       Yes         24       5500       25       2.7       172       Yes         25       5500       24       1.6       186       Yes         26       5500       27       3.9       221       Yes         27       5500       29       4.9       206       Yes         28       5500       24       1.9       212       Yes         29       5500       27       3.5       230       Yes	20	5500	25	2.3	158	Yes
23     5500     28     4.2     225     Yes       24     5500     25     2.7     172     Yes       25     5500     24     1.6     186     Yes       26     5500     27     3.9     221     Yes       27     5500     29     4.9     206     Yes       28     5500     24     1.9     212     Yes       29     5500     27     3.5     230     Yes	21	5500	25	2.2	190	Yes
24     5500     25     2.7     172     Yes       25     5500     24     1.6     186     Yes       26     5500     27     3.9     221     Yes       27     5500     29     4.9     206     Yes       28     5500     24     1.9     212     Yes       29     5500     27     3.5     230     Yes	22	5500	25	2.5	175	Yes
25     5500     24     1.6     186     Yes       26     5500     27     3.9     221     Yes       27     5500     29     4.9     206     Yes       28     5500     24     1.9     212     Yes       29     5500     27     3.5     230     Yes	23	5500	28	4.2	225	Yes
26     5500     27     3.9     221     Yes       27     5500     29     4.9     206     Yes       28     5500     24     1.9     212     Yes       29     5500     27     3.5     230     Yes	24	5500	25	2.7	172	Yes
27     5500     29     4.9     206     Yes       28     5500     24     1.9     212     Yes       29     5500     27     3.5     230     Yes	25	5500	24	1.6	186	Yes
28     5500     24     1.9     212     Yes       29     5500     27     3.5     230     Yes	26	5500	27	3.9	221	Yes
29 5500 27 3.5 230 Yes	27	5500	29	4.9	206	Yes
	28	5500	24	1.9	212	Yes
30 5500 25 2.3 155 Yes	29	5500	27	3.5	230	Yes
	30	5500	25	2.3	155	Yes

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

Otherwise stated the results shown in this test report rerier only to the sample(s) tested and such sample(s) tested and such sample(s) tested and such sample(s) are retained to 90 days only.

Phys April 19 Hebria 19 Hebria 20 days only.

Phys April 29 Hebria 20 days only.

Phys April 29 days only.

Phys April 29 days only.

Phys April 29 days only.

Phys April 20 days only.

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# Radar Type 3 for 5500 MHz:

Data Sheet for FCC Radar Type 3

				_		
Trial	VSG Freqency (MHz)	Number Pulses per Burst (16-18)	Pulse Width (6-10)	PRI (200-500)	Successful Detection	
		(10.10)	$(\mu \text{ sec})$	(μ sec)	(Yes/No)	
1	5500	16	6.5	414	Yes	
2	5500	18	9.6	425	Yes	
3	5500	16	6.6	380	Yes	
4	5500	17	8	449	Yes	
5	5500	18	9.3	475	Yes	
6	5500	16	7	232	Yes	
7	5500	16	6.1	211	Yes	
8	5500	17	7.7	241	Yes	
9	5500	16	6.2	302	Yes	
10	5500	16	6.8	488	Yes	
11	5500	16	7.2	368	Yes	
12	5500	17	8.3	467	Yes	
13	5500	17	7.8	499	Yes	
14	5500	17	8.3	498	No	
15	5500	16	6.5	243	Yes	
16	5500	16	7.1	317	Yes	
17	5500	18	8.8	298	Yes	
18	5500	16	6.1	201	Yes	
19	5500	17	7.5	418	Yes	
20	5500	17	7.3	377	Yes	
21	5500	16	7.2	386	Yes	
22	5500	17	7.5	384	Yes	
23	5500	18	9.2	430	Yes	
24	5500	17	7.7	222	Yes	
25	5500	16	6.6	283	Yes	
26	5500	18	8.9	429	Yes	
27	5500	18	9.9	210	Yes	
28	5500	16	6.9	459	Yes	
29	5500	17	8.5	268	Yes	
30	5500	17	7.3	229	Yes	

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

Otherwise stated the results shown in this test report rerier only to the sample(s) tested and such sample(s) tested and such sample(s) tested and such sample(s) are retained to 90 days only.

Phys April 19 Hebria 19 Hebria 20 days only.

Phys April 29 Hebria 20 days only.

Phys April 29 days only.

Phys April 29 days only.

Phys April 29 days only.

Phys April 20 days only.

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# Radar Type 4 for 5500 MHz:

Data Sheet for FCC Radar Type 4

Trial         VSG Freqency (MH-z)         Number Burst (12-16)         Pulses per Burst (11-20)         PRI (200-500)         Successful Detection           1         5500         12         12.2         414         Yes           2         5500         16         19.1         425         Yes           3         5500         12         12.5         380         Yes           4         5500         14         15.4         449         Yes           5         5500         16         18.4         475         Yes           6         5500         16         18.4         475         Yes           7         5500         12         11.2         211         Yes           8         5500         12         11.2         211         Yes           9         5500         12         11.2         211         Yes           10         5500         13         12.8         488         Yes           11         5500         13         13.7         368         Yes           11         5500         13         13.7         368         Yes           12         5500         14         1						
1         5500         12         12.2         414         Yes           2         5500         16         19.1         425         Yes           3         5500         12         12.5         380         Yes           4         5500         14         15.4         449         Yes           5         5500         16         18.4         475         Yes           6         5500         13         13.3         232         Yes           7         5500         12         11.2         211         Yes           8         5500         14         14.8         241         Yes           9         5500         12         11.6         302         Yes           10         5500         13         12.8         488         Yes           11         5500         13         13.7         368         Yes           12         5500         14         16.2         467         Yes           13         5500         14         16.2         498         Yes           14         5500         14         16.2         498         Yes           15	Trial	Freqency	Pulses per Burst			
2         5500         16         19.1         425         Yes           3         5500         12         12.5         380         Yes           4         5500         14         15.4         449         Yes           5         5500         16         18.4         475         Yes           6         5500         13         13.3         232         Yes           7         5500         12         11.2         211         Yes           8         5500         14         14.8         241         Yes           9         5500         12         11.6         302         Yes           10         5500         13         12.8         488         Yes           11         5500         13         12.8         488         Yes           12         5500         13         13.7         368         Yes           12         5500         14         16.2         467         Yes           13         5500         14         16.2         498         Yes           14         5500         14         16.2         498         Yes           1			, ,	(µ sec)	( μ sec)	(Yes/No)
3         5500         12         12.5         380         Yes           4         5500         14         15.4         449         Yes           5         5500         16         18.4         475         Yes           6         5500         13         13.3         232         Yes           7         5500         12         11.2         211         Yes           8         5500         14         14.8         241         Yes           9         5500         12         11.6         302         Yes           10         5500         13         12.8         488         Yes           11         5500         13         13.7         368         Yes           12         5500         14         16.2         467         Yes           13         5500         14         15         499         Yes           14         5500         14         16.2         498         Yes           15         5500         12         12.2         243         Yes           16         5500         13         13.4         317         Yes           17	1	5500	12	12.2	414	Yes
4         5500         14         15.4         449         Yes           5         5500         16         18.4         475         Yes           6         5500         13         13.3         232         Yes           7         5500         12         11.2         211         Yes           8         5500         14         14.8         241         Yes           9         5500         12         11.6         302         Yes           10         5500         13         12.8         488         Yes           10         5500         13         13.7         368         Yes           11         5500         14         16.2         467         Yes           12         5500         14         16.2         467         Yes           13         5500         14         16.2         498         Yes           14         5500         14         16.2         498         Yes           15         5500         12         12.2         243         Yes           16         5500         13         13.4         317         Yes <td< td=""><td>2</td><td>5500</td><td>16</td><td>19.1</td><td>425</td><td>Yes</td></td<>	2	5500	16	19.1	425	Yes
5         5500         16         18.4         475         Yes           6         5500         13         13.3         232         Yes           7         5500         12         11.2         211         Yes           8         5500         14         14.8         241         Yes           9         5500         12         11.6         302         Yes           10         5500         12         11.6         302         Yes           10         5500         13         12.8         488         Yes           11         5500         13         13.7         368         Yes           12         5500         14         16.2         467         Yes           13         5500         14         15         499         Yes           14         5500         14         16.2         498         Yes           15         5500         12         12.2         243         Yes           16         5500         13         13.4         317         Yes           17         5500         15         17.3         298         Yes	3	5500	12	12.5	380	Yes
6         5500         13         13.3         232         Yes           7         5500         12         11.2         211         Yes           8         5500         14         14.8         241         Yes           9         5500         12         11.6         302         Yes           10         5500         13         12.8         488         Yes           11         5500         13         13.7         368         Yes           12         5500         14         16.2         467         Yes           13         5500         14         15         499         Yes           14         5500         14         16.2         498         Yes           15         5500         12         12.2         243         Yes           15         5500         12         12.2         243         Yes           16         5500         13         13.4         317         Yes           17         5500         15         17.3         298         Yes           18         5500         12         11.2         201         Yes <td< td=""><td>4</td><td>5500</td><td>14</td><td>15.4</td><td>449</td><td>Yes</td></td<>	4	5500	14	15.4	449	Yes
7         5500         12         11.2         211         Yes           8         5500         14         14.8         241         Yes           9         5500         12         11.6         302         Yes           10         5500         13         12.8         488         Yes           11         5500         13         13.7         368         Yes           12         5500         14         16.2         467         Yes           13         5500         14         15         499         Yes           14         5500         14         16.2         498         Yes           15         5500         12         12.2         243         Yes           15         5500         12         12.2         243         Yes           16         5500         13         13.4         317         Yes           17         5500         15         17.3         298         Yes           18         5500         12         11.2         201         Yes           20         5500         13         14.5         418         Yes <t< td=""><td>5</td><td>5500</td><td>16</td><td>18.4</td><td>475</td><td>Yes</td></t<>	5	5500	16	18.4	475	Yes
8         5500         14         14.8         241         Yes           9         5500         12         11.6         302         Yes           10         5500         13         12.8         488         Yes           11         5500         13         13.7         368         Yes           12         5500         14         16.2         467         Yes           13         5500         14         15         499         Yes           14         5500         14         16.2         498         Yes           15         5500         12         12.2         243         Yes           16         5500         12         12.2         243         Yes           16         5500         13         13.4         317         Yes           17         5500         15         17.3         298         Yes           18         5500         12         11.2         201         Yes           19         5500         13         14.5         418         Yes           20         5500         13         14.4         377         Yes           <	6	5500	13	13.3	232	Yes
9       5500       12       11.6       302       Yes         10       5500       13       12.8       488       Yes         11       5500       13       13.7       368       Yes         12       5500       14       16.2       467       Yes         13       5500       14       15       499       Yes         14       5500       14       16.2       498       Yes         15       5500       12       12.2       243       Yes         16       5500       12       12.2       243       Yes         16       5500       13       13.4       317       Yes         17       5500       15       17.3       298       Yes         18       5500       12       11.2       201       Yes         19       5500       13       14.5       418       Yes         20       5500       13       14.5       418       Yes         21       5500       13       14.4       377       Yes         22       5500       13       14.4       384       Yes         23       5500<	7	5500	12	11.2	211	Yes
10         5500         13         12.8         488         Yes           11         5500         13         13.7         368         Yes           12         5500         14         16.2         467         Yes           13         5500         14         15         499         Yes           14         5500         14         16.2         498         Yes           15         5500         12         12.2         243         Yes           16         5500         13         13.4         317         Yes           17         5500         15         17.3         298         Yes           18         5500         12         11.2         201         Yes           19         5500         13         14.5         418         Yes           20         5500         13         14.5         418         Yes           21         5500         13         14.4         377         Yes           21         5500         13         14.4         384         Yes           22         5500         15         18.1         430         Yes	8	5500	14	14.8	241	Yes
11       5500       13       13.7       368       Yes         12       5500       14       16.2       467       Yes         13       5500       14       15       499       Yes         14       5500       14       16.2       498       Yes         15       5500       12       12.2       243       Yes         16       5500       13       13.4       317       Yes         17       5500       15       17.3       298       Yes         18       5500       12       11.2       201       Yes         19       5500       13       14.5       418       Yes         20       5500       13       14.5       418       Yes         21       5500       13       13.7       386       Yes         22       5500       13       14.4       384       Yes         23       5500       15       18.1       430       Yes         24       5500       14       14.7       222       Yes         25       5500       15       17.4       429       Yes         26       5500	9	5500	12	11.6	302	Yes
12       5500       14       16.2       467       Yes         13       5500       14       15       499       Yes         14       5500       14       16.2       498       Yes         15       5500       12       12.2       243       Yes         16       5500       13       13.4       317       Yes         17       5500       15       17.3       298       Yes         18       5500       12       11.2       201       Yes         19       5500       13       14.5       418       Yes         20       5500       13       14.5       418       Yes         21       5500       13       13.7       386       Yes         22       5500       13       14.4       384       Yes         23       5500       15       18.1       430       Yes         24       5500       14       14.7       222       Yes         25       5500       15       17.4       429       Yes         26       5500       15       17.4       429       Yes         26       5500	10	5500	13	12.8	488	Yes
13       5500       14       15       499       Yes         14       5500       14       16.2       498       Yes         15       5500       12       12.2       243       Yes         16       5500       13       13.4       317       Yes         17       5500       15       17.3       298       Yes         18       5500       12       11.2       201       Yes         19       5500       13       14.5       418       Yes         20       5500       13       14       377       Yes         21       5500       13       13.7       386       Yes         22       5500       13       14.4       384       Yes         23       5500       15       18.1       430       Yes         24       5500       14       14.7       222       Yes         25       5500       15       17.4       429       Yes         26       5500       15       17.4       429       Yes         27       5500       16       19.7       210       No         28       5500 <td>11</td> <td>5500</td> <td>13</td> <td>13.7</td> <td>368</td> <td>Yes</td>	11	5500	13	13.7	368	Yes
14         5500         14         16.2         498         Yes           15         5500         12         12.2         243         Yes           16         5500         13         13.4         317         Yes           17         5500         15         17.3         298         Yes           18         5500         12         11.2         201         Yes           19         5500         13         14.5         418         Yes           20         5500         13         14         377         Yes           21         5500         13         13.7         386         Yes           22         5500         13         14.4         384         Yes           23         5500         15         18.1         430         Yes           24         5500         14         14.7         222         Yes           25         5500         12         12.5         283         Yes           26         5500         15         17.4         429         Yes           27         5500         16         19.7         210         No	12	5500	14	16.2	467	Yes
15         5500         12         12.2         243         Yes           16         5500         13         13.4         317         Yes           17         5500         15         17.3         298         Yes           18         5500         12         11.2         201         Yes           19         5500         13         14.5         418         Yes           20         5500         13         14         377         Yes           21         5500         13         13.7         386         Yes           22         5500         13         14.4         384         Yes           23         5500         15         18.1         430         Yes           24         5500         14         14.7         222         Yes           25         5500         12         12.5         283         Yes           26         5500         15         17.4         429         Yes           27         5500         16         19.7         210         No           28         5500         13         13.1         459         Yes	13	5500	14	15	499	Yes
16       5500       13       13.4       317       Yes         17       5500       15       17.3       298       Yes         18       5500       12       11.2       201       Yes         19       5500       13       14.5       418       Yes         20       5500       13       14       377       Yes         21       5500       13       13.7       386       Yes         22       5500       13       14.4       384       Yes         23       5500       15       18.1       430       Yes         24       5500       14       14.7       222       Yes         25       5500       12       12.5       283       Yes         26       5500       15       17.4       429       Yes         27       5500       16       19.7       210       No         28       5500       13       13.1       459       Yes         29       5500       15       16.7       268       Yes	14	5500	14	16.2	498	Yes
17       5500       15       17.3       298       Yes         18       5500       12       11.2       201       Yes         19       5500       13       14.5       418       Yes         20       5500       13       14       377       Yes         21       5500       13       13.7       386       Yes         22       5500       13       14.4       384       Yes         23       5500       15       18.1       430       Yes         24       5500       14       14.7       222       Yes         25       5500       12       12.5       283       Yes         26       5500       15       17.4       429       Yes         27       5500       16       19.7       210       No         28       5500       13       13.1       459       Yes         29       5500       15       16.7       268       Yes	15	5500	12	12.2	243	Yes
18         5500         12         11.2         201         Yes           19         5500         13         14.5         418         Yes           20         5500         13         14         377         Yes           21         5500         13         13.7         386         Yes           22         5500         13         14.4         384         Yes           23         5500         15         18.1         430         Yes           24         5500         14         14.7         222         Yes           25         5500         12         12.5         283         Yes           26         5500         15         17.4         429         Yes           27         5500         16         19.7         210         No           28         5500         13         13.1         459         Yes           29         5500         15         16.7         268         Yes	16	5500	13	13.4	317	Yes
19       5500       13       14.5       418       Yes         20       5500       13       14       377       Yes         21       5500       13       13.7       386       Yes         22       5500       13       14.4       384       Yes         23       5500       15       18.1       430       Yes         24       5500       14       14.7       222       Yes         25       5500       12       12.5       283       Yes         26       5500       15       17.4       429       Yes         27       5500       16       19.7       210       No         28       5500       13       13.1       459       Yes         29       5500       15       16.7       268       Yes	17	5500	15	17.3	298	Yes
20       5500       13       14       377       Yes         21       5500       13       13.7       386       Yes         22       5500       13       14.4       384       Yes         23       5500       15       18.1       430       Yes         24       5500       14       14.7       222       Yes         25       5500       12       12.5       283       Yes         26       5500       15       17.4       429       Yes         27       5500       16       19.7       210       No         28       5500       13       13.1       459       Yes         29       5500       15       16.7       268       Yes	18	5500	12	11.2	201	Yes
21       5500       13       13.7       386       Yes         22       5500       13       14.4       384       Yes         23       5500       15       18.1       430       Yes         24       5500       14       14.7       222       Yes         25       5500       12       12.5       283       Yes         26       5500       15       17.4       429       Yes         27       5500       16       19.7       210       No         28       5500       13       13.1       459       Yes         29       5500       15       16.7       268       Yes	19	5500	13	14.5	418	Yes
22       5500       13       14.4       384       Yes         23       5500       15       18.1       430       Yes         24       5500       14       14.7       222       Yes         25       5500       12       12.5       283       Yes         26       5500       15       17.4       429       Yes         27       5500       16       19.7       210       No         28       5500       13       13.1       459       Yes         29       5500       15       16.7       268       Yes	20	5500	13	14	377	Yes
23       5500       15       18.1       430       Yes         24       5500       14       14.7       222       Yes         25       5500       12       12.5       283       Yes         26       5500       15       17.4       429       Yes         27       5500       16       19.7       210       No         28       5500       13       13.1       459       Yes         29       5500       15       16.7       268       Yes	21	5500	13	13.7	386	Yes
24     5500     14     14.7     222     Yes       25     5500     12     12.5     283     Yes       26     5500     15     17.4     429     Yes       27     5500     16     19.7     210     No       28     5500     13     13.1     459     Yes       29     5500     15     16.7     268     Yes	22	5500	13	14.4	384	Yes
24     5500     14     14.7     222     Yes       25     5500     12     12.5     283     Yes       26     5500     15     17.4     429     Yes       27     5500     16     19.7     210     No       28     5500     13     13.1     459     Yes       29     5500     15     16.7     268     Yes	23	5500	15	18.1	430	Yes
26     5500     15     17.4     429     Yes       27     5500     16     19.7     210     No       28     5500     13     13.1     459     Yes       29     5500     15     16.7     268     Yes	24	5500	14	14.7	222	Yes
27     5500     16     19.7     210     No       28     5500     13     13.1     459     Yes       29     5500     15     16.7     268     Yes	25	5500	12	12.5	283	Yes
28     5500     13     13.1     459     Yes       29     5500     15     16.7     268     Yes	26	5500	15	17.4	429	Yes
29 5500 15 16.7 268 Yes	27	5500	16	19.7	210	No
	28	5500	13	13.1	459	Yes
30 5500 13 14 229 No	29	5500	15	16.7	268	Yes
	30	5500	13	14	229	No

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Phys April 19 Hebria 19 Hebria 20 days only.

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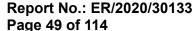
# Radar Type 5 for 5500 MHz:

	5 for 5500 MHz: Data Sheet for FCC Radar Type 5									
Trial Number: 1 VSG Freqency(MHz):										
Number of B	Bursts in Trial	:	9	Successi	ful 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				
	(1-3)	(μ sec)	(MHz)	(µ sec)	( $\mu$ sec)	(µ sec)				
1	1	56.6	7			0				
2	3	94.8	7	1756.2	1785.2	1333333				
3	1	58.4	7			2666667				
4	2	74.6	7	1485.4		4000000				
5	3	90.9	7	1082.1	1013.1	5333333				
6	1	62.9	7			666667				
7	1	51.3	7			8000000				
8	2	71	7	1825		9333333				
9	1	53.3	7			10666667				

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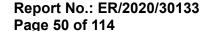


**Data Sheet for FCC** Radar Type 5 **Trial Number:** VSG Fregency(MHz): 5500 **Number of Bursts in Trial:** 19 **Successful Detection:** Yes Starting Lo-Chirp **Pulse** Number Pulse 1-to-2 Pulse 2-to-3 cation Width Width **Burst** Pulses per **Spacing** Within Inter-**Spacing** (50-100)(5-20)(8-20)**Burst** val (1-3)(MHz)  $(\mu \sec)$  $(\mu \text{ sec})$  $(\mu \sec)$  $(\mu \sec)$ 0 1 1 60.4 19 631579 1 2 19 65 1263158 2 3 79 19 1153 1894737 4 2 72.4 19 1399.6 2526316 2 1277 5 79 19 3157895 1 19 6 56.6 3789474 1 7 63.5 19 4421053 3 8 84.8 19 954.2 1384.2 5052632 9 1 51.4 19 5684211 2 10 69.3 19 1214.7 6315789 2 19 11 67 1210 6947368 1 65.1 19 12 7578947 2 69.1 19 1392.9 13 8210526 3 89.3 14 19 1658.7 932.7 8842105 2 70.8 19 1615.2 15 9473684 16 1 58.3 19 10105263 17 3 85.5 19 1667.5 1777.5 10736842 3 98.3 19 1145.7 1471.7 18 11368421 1 19 62.1 19

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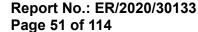




**Data Sheet for FCC** Radar Type 5 **Trial Number:** VSG Frequency(MHz): 5500 **Number of Bursts in Trial:** 10 **Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 1-to-2 Pulse 2-to-3 cation Width Width **Burst** Pulses per Within Inter-**Spacing Spacing** (50-100)(5-20)(8-20)**Burst** val (1-3)(MHz)  $(\mu \sec)$  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \sec)$ 0 1 2 81.7 7 1293.3 1200000 2 7 2 66.9 1819.1 2400000 7 1271.2 3 3 95.8 1543.2 3600000 4 3 83.4 7 1430.6 1260.6 4800000 7 973.8 5 3 99.2 1819.8 6000000 6 3 95.9 7 1276.1 1357.1 7200000 7 2 7 77 1486 8400000 1 7 8 56.2 9600000 9 3 85.6 7 1506.4 1026.4 10800000 1 7 10 63.4

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Data Sheet f	Data Sheet for FCC Radar Type 5								
Trial Numbe	r:	4		VSG Fre	eqency(MHz):	5500			
Number of E	Bursts in Tria	l:	14	Successi	ul 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			
	(10)	(µ sec)	(MHz)	(μ sec)	$(\mu \text{ sec})$	(µ sec)			
1	1	55.7	12			0			
2	3	93.2	12	1584.8	1703.8	857143			
3	3	92.9	12	1315.1	1105.1	1714286			
4	1	56.2	12			2571429			
5	2	82.4	12	1139.6		3428571			
6	2	76.4	12	999.6		4285714			
7	1	54.4	12			5142857			
8	2	72.2	12	1308.8		6000000			
9	2	79.3	12	1404.7		6857143			
10	3	87.9	12	1229.1	1725.1	7714286			
11	3	92	12	1292	1035	8571429			
12	2	73.6	12	1740.4		9428571			
13	2	73.8	12	1105.2		10285714			
14	2	67.3	12	1015.7		11142857			

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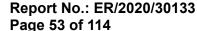


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Data Sheet f	or FCC Rad	lar Type 5				
Trial Numbe	r:	5		VSG Fre	eqency(MHz):	5500
Number of E	Bursts in Tria	l:	18	Successi	ful Detection:	Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val
	(1-3)	(µ sec)	(MHz)	(µ sec)	$(\mu \text{ sec})$	(µ sec)
1	3	97.4	18	1069.6	1333.6	0
2	1	51.3	18			666667
3	2	81.9	18	1363.1		1333333
4	3	87.5	18	1076.5	1354.5	2000000
5	1	55.5	18			2666667
6	3	87.7	18	1050.3	1283.3	3333333
7	1	66.3	18			4000000
8	1	55.3	18			4666667
9	1	64.7	18			5333333
10	3	89.3	18	950.7	1560.7	6000000
11	3	89.4	18	1460.6	1323.6	6666667
12	3	86.4	18	1320.6	1487.6	7333333
13	1	64.6	18			8000000
14	2	81.7	18	1266.3		8666667
15	2	79.8	18	1420.2		9333333
16	2	76.6	18	1241.4		10000000
17	1	52	18			10666667
18	1	50.3	18			11333333

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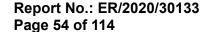




**Data Sheet for FCC** Radar Type 5 **Trial Number:** VSG Frequency(MHz): 5500 **Number of Bursts in Trial:** 11 **Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 1-to-2 Pulse 2-to-3 cation Width Width **Burst** Pulses per Within Inter-**Spacing Spacing** (50-100)(5-20)(8-20)**Burst** val (1-3)(MHz)  $(\mu \sec)$  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \sec)$ 0 1 2 77.9 9 1075.1 1090909 2 2 71.3 9 944.7 2181818 3 3 95.8 9 1273.2 1227.2 3272727 4 2 76.2 9 925.8 4363636 2 5 74.1 9 1452.9 5454545 6 1 58.8 9 6545455 7 3 86.8 9 1216.2 1384.2 7636364 1 8 62.8 9 8727273 9 1 66.3 9 9818182 10 3 86.1 9 995.9 1723.9 10909091 1 11 9 56.2

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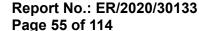


Data Sheet f	or FCC Rad	lar Type 5				
Trial Numbe	r:	7		VSG Fre	eqency(MHz):	5500
Number of B	Bursts in Tria	l:	8	Successi	ful Detection:	Yes
Burst Pulses per Burst		Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val
	(1-3)	(µ sec)	(MHz)	(μ sec)	(µ sec)	(µ sec)
1	1	60.3	5			0
2	2	70.1	5	1287.9		1500000
3	1	58	5			3000000
4	3	93.1	5	1107.9	1326.9	4500000
5	2	78.4	5	1047.6		6000000
6	3	86	5	1645	1169	7500000
7	3	97.8	5	1300.2	1555.2	9000000
8	1	64	5			10500000

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**Data Sheet for FCC** Radar Type 5 **Trial Number:** VSG Frequency(MHz): 5500 **Number of Bursts in Trial:** 13 **Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 1-to-2 Pulse 2-to-3 cation Width Width **Burst** Pulses per Within Inter-**Spacing Spacing** (50-100)(5-20)(8-20)**Burst** val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \sec)$  $(\mu \sec)$ 0 3 1 89.5 11 1359.5 943.5 923077 1 2 50.6 11 1846154 1725 3 3 98 11 1195 2769231 4 3 97.2 11 1002.8 1381.8 3692308 1 5 50.3 11 4615385 6 2 78.4 11 1519.6 5538462 7 1 53.6 11 6461538 2 8 66.9 11 1733.1 7384615 9 3 96 11 1831 1033 8307692 10 1 61.7 11 9230769 2 11 1431.2 11 72.8 10153846 3 92.5 1727.5 984.5 12 11 11076923 13 1 52.7 11

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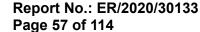
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Data Sheet f	Data Sheet for FCC Radar Type 5								
Trial Numbe	r:	9		VSG Fre	eqency(MHz):	5500			
Number of B	Bursts in Tria	l:	8	Successi	ful Detection:	Yes			
Burst Pulses per Burst		Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val			
	(1-3)	(µ sec)	(MHz)	(µ sec)	(µ sec)	(µ sec)			
1	3	85.9	6	1802.1	942.1	0			
2	3	91.6	6	1213.4	1445.4	1500000			
3	3	95.7	6	1238.3	1477.3	3000000			
4	1	52.5	6			4500000			
5	2	71.6	6	1683.4		6000000			
6	2	71.1	6	1453.9		7500000			
7	2	77.2	6	1021.8		9000000			
8	2	73	6	1489		10500000			

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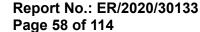
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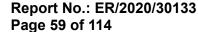
Data Sheet f	Data Sheet for FCC Radar Type 5									
Trial Numbe	Trial Number:			VSG Fre	eqency(MHz):	5500				
Number of E	Bursts in Tria	l:	10	Successi	ful Detection:	Yes				
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val				
	(1-3)	(µ sec)	(MHz)	(µ sec)	(µ sec)	(µ sec)				
1	1	50.7	8			0				
2	3	92.8	8	1841.2	1154.2	1200000				
3	2	71.3	8	1817.7		2400000				
4	2	80.2	8	1134.8		3600000				
5	3	99.2	8	1434.8	1224.8	4800000				
6	1	54.4	8			6000000				
7	2	69.1	8	1432.9		7200000				
8	2	81.3	8	1503.7		8400000				
9	3	93.4	8	1202.6	1259.6	9600000				
10	3	86.2	8	1336.8	1275.8	10800000				

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Data Sheet for FCC Radar Type 5									
Trial Numbe		11		VSG Fre	eqency(MHz):	5503.6			
Number of E	Bursts in Tria	l:	11	Success	ful Detection:	Yes			
Burst Pulses per (8-20) Burst		Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val			
	(1-3)	(µ sec)	(MHz)	( $\mu$ sec)	(μ sec)	(µ sec)			
1	3	95.7	9	1147.3	1897.3	0			
2	2	82.1	9	1119.9		1090909			
3	1	62.5	9			2181818			
4	1	62.6	9			3272727			
5	3	99.7	9	1863.3	1312.3	4363636			
6	2	79.9	9	1519.1		5454545			
7	2	74.2	9	1173.8		6545455			
8	3	95.4	9	955.6	1851.6	7636364			
9	3	97.9	9	937.1	1137.1	8727273			
10	2	70.5	9	1728.5		9818182			
11	3	91.9	9	1272.1	1301.1	10909091			

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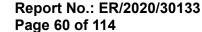


Data Sheet for FCC Radar Type 5							
Trial Number:		12	12		VSG Freqency(MHz):		
Number of Bursts in Trial:		l: 15		Successful Detection:		Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val	
		(µ sec)	(MHz)	(μ sec)	(µ sec)	$(\mu \text{ sec})$	
1	3	90.8	14	1834.2	1069.2	0	
2	1	51	14			800000	
3	3	93.6	14	938.4	1210.4	1600000	
4	3	93.7	14	1697.3	1200.3	2400000	
5	1	53.5	14			3200000	
6	2	74.4	14	1124.6		4000000	
7	2	78.5	14	979.5		4800000	
8	1	62.4	14			5600000	
9	3	90.6	14	1758.4	1802.4	6400000	
10	1	56.7	14			7200000	
11	1	64.8	14			8000000	
12	2	70.5	14	1573.5		8800000	
13	3	91	14	1143	1457	9600000	
14	3	88.7	14	1242.3	1661.3	10400000	
15	1	57.9	14			11200000	

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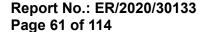
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Data Sheet for FCC Radar Type 5							
Trial Number:		13		VSG Freqency(MHz):		5504.8	
Number of Bursts in Trial:		: 13		Successful Detection:		Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val	
	(1-3)	( μ sec)	(MHz)	(μ sec)	(μ sec)	(µ sec)	
1	2	76.7	12	1011.3		0	
2	2	66.9	12	1373.1		923077	
3	1	51.2	12			1846154	
4	2	74	12	1685		2769231	
5	3	84.6	12	1693.4	1205.4	3692308	
6	3	85.7	12	1614.3	1685.3	4615385	
7	1	52.6	12			5538462	
8	2	75.5	12	1839.5		6461538	
9	2	77.1	12	982.9		7384615	
10	1	60.3	12			8307692	
11	3	90.2	12	1756.8	1235.8	9230769	
12	2	73.3	12	1719.7		10153846	
13	3	91.9	12	1416.1	1139.1	11076923	

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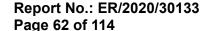




Data Sheet for FCC Radar Type 5							
Trial Number:		14	14		VSG Freqency(MHz):		
Number of Bursts in Trial:		l:	15		Successful Detection:		
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val	
	(1-3)	(μ sec)	(MHz)	(μ sec)	$(\mu \text{ sec})$	(µ sec)	
1	1	65.7	14			0	
2	2	78.3	14	1781.7		800000	
3	2	76.3	14	1042.7		1600000	
4	2	73.3	14	1666.7		2400000	
5	1	56.7	14			3200000	
6	2	81.2	14	1698.8		4000000	
7	1	60	14			4800000	
8	3	91.7	14	994.3	1060.3	5600000	
9	2	77.8	14	1633.2		6400000	
10	3	86.6	14	1378.4	1310.4	7200000	
11	3	95.7	14	1061.3	1892.3	8000000	
12	2	80	14	1025		8800000	
13	3	90.6	14	1234.4	1705.4	9600000	
14	2	68.9	14	1760.1		10400000	
15	1	52.7	14		_	11200000	

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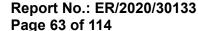




**Data Sheet for FCC** Radar Type 5 **Trial Number:** 15 VSG Frequency(MHz): 5502.8 **Number of Bursts in Trial:** 9 **Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 1-to-2 Pulse 2-to-3 cation Width Width **Burst** Pulses per Within Inter-**Spacing Spacing** (50-100)(5-20)(8-20)**Burst** val (1-3)(MHz)  $(\mu \sec)$  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$ 0 2 1 79.5 7 1650.5 1333333 2 2 7 80.9 1842.1 2666667 1 7 3 61.5 4000000 4 2 71.6 7 1320.4 5333333 2 7 5 73.9 1253.1 6666667 6 3 91.8 7 1869.2 1631.2 8000000 7 1 7 53.2 9333333 1 7 8 57.3 10666667 7 9 3 94.2 1265.8 970.8

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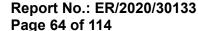




**Data Sheet for FCC** Radar Type 5 **Trial Number:** 16 VSG Frequency(MHz): 5503.6 **Number of Bursts in Trial:** 11 **Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 1-to-2 Pulse 2-to-3 cation Width Width **Burst** Pulses per Within Inter-**Spacing Spacing** (50-100)(5-20)(8-20)**Burst** val (1-3)(MHz)  $(\mu \sec)$  $(\mu \text{ sec})$  $(\mu \sec)$  $(\mu \sec)$ 0 2 1 73.8 9 1912.2 1090909 2 3 9 86 1138 1852 2181818 1 3 56.2 9 3272727 4 3 88.1 9 1593.9 1408.9 4363636 2 1872.4 5 75.6 9 5454545 6 1 9 66.4 6545455 7 2 83.3 9 1511.7 7636364 1 8 63.3 9 8727273 9 1 51 9 9818182 10 3 86.6 9 1601.4 1525.4 10909091 3 11 96.7 9 1654.3 1195.3

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**Data Sheet for FCC** Radar Type 5 **Trial Number:** 17 VSG Fregency(MHz): 5506.4 **Number of Bursts in Trial:** 17 **Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 1-to-2 Pulse 2-to-3 cation Width Width **Burst** Pulses per **Spacing** Within Inter-**Spacing** (50-100)(5-20)(8-20)**Burst** val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \sec)$ 0 1 1 62.2 16 705882 2 2 80.5 16 1903.5 1411765 3 3 91.5 16 1112.5 1843.5 2117647 4 1 63.8 16 2823529 1 5 59.7 16 3529412 2 78.6 16 1646.4 6 4235294 1 7 66.3 16 4941176 3 8 98.9 16 1822.1 1222.1 5647059 2 9 80.4 16 1910.6 6352941 10 1 55.5 16 7058824 3 16 1294 11 94 1635 7764706 3 94 16 1517 1764 12 8470588 2 66.7 16 13 1816.3 9176471 1008 3 100 14 16 1833 9882353 3 96.1 16 1288.9 1785.9 15 10588235 16 3 96.3 16 1890.7 1191.7 11294118 3 17 98.9 16 1396.1 1702.1

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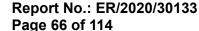
Report No.: ER/2020/30133

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Data Sheet for FCC Radar Type 5							
Trial Number:		18	18		VSG Freqency(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	
	(1-3)	(µ sec)	(MHz)	(μ sec)	( $\mu$ sec)	(µ sec)	
1	2	68.5	5	1762.5		0	
2	3	99.5	5	1547.5	1509.5	1500000	
3	1	50.1	5			3000000	
4	1	62.5	5			4500000	
5	2	71	5	1921		6000000	
6	2	82.2	5	1365.8		7500000	
7	3	99.6	5	1883.4	1626.4	9000000	
8	2	70.8	5	1392.2		10500000	

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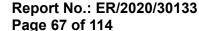
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**Data Sheet for FCC** Radar Type 5 **Trial Number:** VSG Frequency(MHz): 5504.4 **Number of Bursts in Trial:** 13 **Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 1-to-2 Pulse 2-to-3 cation Width Width **Burst** Pulses per Within Inter-**Spacing Spacing** (50-100)(5-20)(8-20)**Burst** val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \sec)$  $(\mu \text{ sec})$ 0 1 2 74.9 11 995.1 923077 2 2 71.9 11 1773.1 1846154 1 3 66 11 2769231 4 1 61.4 11 3692308 1 5 53.2 11 4615385 6 2 82.3 11 1307.7 5538462 7 2 79 11 1354 6461538 1 8 53.9 11 7384615 9 2 72.3 11 1802.7 8307692 10 3 90.5 11 1701.5 1759.5 9230769 3 99 11 1248 1220 11 10153846 3 89.5 1608.5 965.5 12 11 11076923 13 3 97.7 11 1721.3 1527.3

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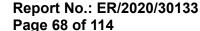




**Data Sheet for FCC** Radar Type 5 **Trial Number:** VSG Frequency(MHz): 5504 **Number of Bursts in Trial:** 12 **Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 1-to-2 Pulse 2-to-3 cation Width Width **Burst** Pulses per Within Inter-**Spacing Spacing** (50-100)(5-20)(8-20)**Burst** val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \sec)$ 0 1 1 61.8 10 1000000 2 3 95.3 1089.7 10 1379.7 2000000 2 3 75.4 10 1078.6 3000000 4 1 54.4 10 4000000 2 1769.1 5 76.9 10 5000000 3 10 1805.4 1127.4 6 88.6 6000000 2 7 79.9 10 1376.1 7000000 8 3 92.1 10 1644.9 1621.9 8000000 9 3 89.5 10 1617.5 1265.5 9000000 10 3 88.2 10 1449.8 1828.8 10000000 2 10 11 79.5 1091.5 11000000 12 2 70.2 10 937.8

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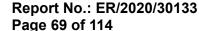




**Data Sheet for FCC** Radar Type 5 **Trial Number:** VSG Frequency(MHz): 5496.4 **Number of Bursts in Trial:** 11 **Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 1-to-2 Pulse 2-to-3 cation Width Width **Burst** Pulses per Within Inter-**Spacing Spacing** (50-100)(5-20)(8-20)**Burst** val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \sec)$  $(\mu \sec)$ 0 1 3 84.4 9 936.6 1776.6 1090909 94.9 2 3 9 1720.1 1610.1 2181818 1 3 51.6 9 3272727 4 3 86.5 9 1178.5 1615.5 4363636 1109.9 5 3 84.1 9 1684.9 5454545 6 3 91.3 9 1244.7 1276.7 6545455 7 3 98.3 9 1570.7 1420.7 7636364 8 3 92 9 1040 1551 8727273 9 3 93.1 9 1065.9 1057.9 9818182 10 3 84.9 9 920.1 960.1 10909091 11 1 56.7 9

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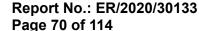




**Data Sheet for FCC** Radar Type 5 **Trial Number:** VSG Frequency(MHz): 5495.6 **Number of Bursts in Trial:** 12 **Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 1-to-2 Pulse 2-to-3 cation Width Width **Burst** Pulses per Within Inter-**Spacing Spacing** (50-100)(5-20)(8-20)**Burst** val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \sec)$ 0 1 1 50.2 11 1000000 2 3 87.5 11 1201.5 1453.5 2000000 2 3 77.1 11 1564.9 3000000 4 2 73.2 11 1635.8 4000000 1 5 65 11 5000000 6 3 90 11 1511 951 6000000 7 3 94.5 11 1618.5 1322.5 7000000 1 8 59.4 11 8000000 9 3 97.1 11 1068.9 1619.9 9000000 10 1 56.7 11 10000000 1 11 11 51.2 11000000 12 1 56.6 11

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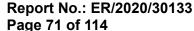
**Data Sheet for FCC** Radar Type 5 **Trial Number:** VSG Fregency(MHz): 5493.2 **Number of Bursts in Trial:** 18 **Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 1-to-2 Pulse 2-to-3 cation Width Width **Burst** Pulses per **Spacing** Within Inter-**Spacing** (50-100)(5-20)(8-20)**Burst** val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \sec)$  $(\mu \sec)$ 0 1 1 54.1 17 666667 2 2 74.7 17 1327.3 1333333 1 3 58.1 17 2000000 4 3 94.1 17 1349.9 1797.9 2666667 1722.4 907.4 5 3 93.6 17 3333333 2 69.7 17 1263.3 6 4000000 2 7 78.7 17 1034.3 4666667 8 3 85.4 17 1103.6 1024.6 5333333 9 3 83.8 17 1578.2 1869.2 6000000 10 3 86.6 17 955.4 1136.4 6666667 3 17 1848.7 1396.7 11 91.3 7333333 2 68.9 17 1585.1 12 8000000 3 17 1799.5 1225.5 13 87.5 8666667 2 77.3 922.7 14 17 9333333 2 67.5 17 982.5 15 10000000 16 3 88.2 17 937.8 1310.8 10666667 17 3 99.3 17 1241.7 1100.7 11333333 18 1 50.6 17

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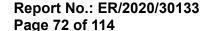


**Data Sheet for FCC** Radar Type 5 **Trial Number:** VSG Fregency(MHz): 5495.6 **Number of Bursts in Trial:** 13 **Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 1-to-2 Pulse 2-to-3 cation Width Width **Burst** Pulses per Within Inter-**Spacing Spacing** (50-100)(5-20)(8-20)**Burst** val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \sec)$  $(\mu \sec)$ 0 3 1 97.6 11 1559.4 1499.4 923077 1 2 54.6 11 1846154 2 3 77 11 1034 2769231 4 3 88.6 11 1825.4 1191.4 3692308 2 5 75.2 11 1185.8 4615385 6 2 66.9 11 1627.1 5538462 7 3 99.9 11 1676.1 1507.1 6461538 1 8 65.3 11 7384615 9 1 64.8 11 8307692 1 10 52 11 9230769 3 11 1858.9 1034.9 11 95.1 10153846 2 78.7 1843.3 12 11 11076923 13 2 82.4 11 1649.6

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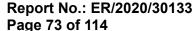


**Data Sheet for FCC** Radar Type 5 **Trial Number:** VSG Frequency(MHz): 5497.2 **Number of Bursts in Trial:** 10 **Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 1-to-2 Pulse 2-to-3 cation Width Width **Burst** Pulses per Within Inter-**Spacing Spacing** (50-100)(5-20)(8-20)**Burst** val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \sec)$ 0 1 1 63.4 7 1200000 2 7 2 83.2 965.8 2400000 7 3 3 88.3 1683.7 1855.7 3600000 4 3 97.6 7 1470.4 1610.4 4800000 1 7 5 61.8 6000000 6 2 76 7 1895 7200000 7 3 7 97.2 1348.8 1165.8 8400000 1 7 8 54.6 9600000 9 2 72.2 7 989.8 10800000 1 7 10 64.3

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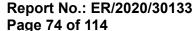
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**Data Sheet for FCC** Radar Type 5 **Trial Number:** VSG Fregency(MHz): 5493.6 **Number of Bursts in Trial:** 17 **Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 1-to-2 Pulse 2-to-3 cation Width Width **Burst** Pulses per **Spacing** Within Inter-**Spacing** (50-100)(5-20)(8-20)**Burst** val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \sec)$  $(\mu \sec)$ 0 1 3 99.5 16 994.5 974.5 705882 2 2 72.9 16 1356.1 1411765 1 3 63.6 16 2117647 4 3 96.3 16 1113.7 1535.7 2823529 1 5 58.2 16 3529412 3 16 1582.2 1284.2 6 85.8 4235294 3 7 87.7 16 1317.3 1176.3 4941176 2 8 72.5 16 1859.5 5647059 9 1 56.3 16 6352941 1 10 60.2 16 7058824 3 16 1708.5 1855.5 11 96.5 7764706 1 59.2 16 12 8470588 3 16 1162.4 1493.4 13 96.6 9176471 2 79.6 1758.4 14 16 9882353 1 65.5 16 15 10588235 16 3 99.5 16 1505.5 1114.5 11294118 3 17 91.2 16 1857.8 1598.8

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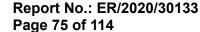
**Data Sheet for FCC** Radar Type 5 **Trial Number:** VSG Fregency(MHz): 5492 **Number of Bursts in Trial:** 20 **Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 1-to-2 Pulse 2-to-3 cation Width Width **Burst** Pulses per Within Inter-**Spacing** Spacing (50-100)(5-20)(8-20)**Burst** val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \sec)$ 0 1 3 94.3 20 1428.7 1040.7 600000 2 2 78.3 20 1523.7 1200000 1 3 54.8 20 1800000 4 2 76.7 20 1230.3 2400000 3 20 1207.6 1379.6 5 90.4 3000000 1 20 6 55 3600000 1 7 54.1 20 4200000 2 8 77.8 20 1438.2 4800000 9 3 85.7 20 1038.3 1368.3 5400000 10 3 99.2 20 1718.8 1021.8 6000000 2 20 1166.2 11 79.8 6600000 1 55.7 20 12 7200000 1 62.1 20 13 7800000 1 52 20 14 8400000 3 96.1 20 1223.9 1706.9 15 9000000 16 2 75.3 20 1767.7 9600000 17 3 90.3 20 1744.7 1209.7 10200000 2 77.5 20 994.5 18 10800000 1 19 65.6 20 11400000 1 20 61.5 20

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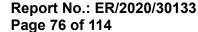
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Data Sheet f	or FCC Rac	lar Type 5				
Trial Numbe	r:	28		VSG Fre	eqency(MHz):	5496.8
Number of E	Bursts in Tria	l:	11	Success	ful Detection:	Yes
Burst Pulses per (8-20) Burst		Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val
	(1-3)	(µ sec)	(MHz)	(µ sec)	(µ sec)	(µ sec)
1	2	70.7	8	1762.3		0
2	3	91.6	8	932.4	1100.4	1090909
3	2	79.5	8	1787.5		2181818
4	2	77.2	8	1483.8		3272727
5	2	79.6	8	1784.4		4363636
6	3	88.7	8	1149.3	1451.3	5454545
7	2	68.5	8	1033.5		6545455
8	3	86	8	1011	1110	7636364
9	1	54.1	8			8727273
10	3	86.6	8	1707.4	1091.4	9818182
11	1	58.6	8			10909091

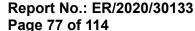
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Data Sheet f	Data Sheet for FCC Radar Type 5							
Trial Numbe	r:	29	29		eqency(MHz):	5494		
Number of E	Bursts in Tria	l:	16	Successi	ful Detection:	Yes		
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val		
	(1-3)	( μ sec)	(MHz)	(μ sec)	$(\mu \text{ sec})$	$(\mu  \mathrm{sec})$		
1	2	82	15	1098		0		
2	1	62.3	15			750000		
3	3	84.9	15	1342.1	1590.1	1500000		
4	1	52.9	15			2250000		
5	2	76.4	15	1753.6		3000000		
6	2	67.4	15	1595.6		3750000		
7	3	87.7	15	1278.3	942.3	4500000		
8	1	59.1	15			5250000		
9	2	67.9	15	1011.1		6000000		
10	1	59.5	15			6750000		
11	2	68.4	15	1357.6		7500000		
12	2	72.6	15	1279.4		8250000		
13	3	86.6	15	1185.4	1272.4	9000000		
14	1	57.8	15			9750000		
15	2	66.8	15	1333.2	_	10500000		
16	3	94.3	15	1123.7	1023.7	11250000		

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**Data Sheet for FCC** Radar Type 5 **Trial Number:** 30 VSG Frequency(MHz): 5496 **Number of Bursts in Trial:** 12 **Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 1-to-2 Pulse 2-to-3 cation Width Width **Burst** Pulses per Within Inter-**Spacing Spacing** (50-100)(5-20)(8-20)**Burst** val (1-3)(MHz)  $(\mu \sec)$  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \sec)$ 0 1 1 58.1 10 1000000 1 2 50.3 10 2000000 3 3 84 10 977 1686 3000000 4 1 56.3 10 4000000 1 5 52 10 5000000 3 99.9 10 1584.1 1476.1 6 6000000 3 1857 7 88 10 1738 7000000 2 8 70.4 10 1073.6 8000000 9 1 52.6 10 9000000 10 3 98.8 10 1825.2 1753.2 10000000 2 10 11 77.6 1623.4 11000000 12 3 97.1 10 1378.9 1605.9

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### Radar Type 6 for 5500 MHz:

Data Sheet for FCC Radar Type 6

Trial	VSG Freqency (MHz)	Pulses per Hop	Hopping Sequence Length	Hopping Rate	Pulse Width	PRI	Successful Detection
			(msec)	(kHz)	( μ sec)	( μ sec)	(Yes/No)
1	5510	9	300	0.333	1	333	Yes
2	5510	9	300	0.333	1	333	Yes
3	5510	9	300	0.333	1	333	Yes
4	5510	9	300	0.333	1	333	Yes
5	5510	9	300	0.333	1	333	Yes
6	5510	9	300	0.333	1	333	Yes
7	5510	9	300	0.333	1	333	Yes
8	5510	9	300	0.333	1	333	Yes
9	5510	9	300	0.333	1	333	Yes
10	5510	9	300	0.333	1	333	Yes
11	5510	9	300	0.333	1	333	Yes
12	5510	9	300	0.333	1	333	Yes
13	5510	9	300	0.333	1	333	Yes
14	5510	9	300	0.333	1	333	Yes
15	5510	9	300	0.333	1	333	Yes
16	5510	9	300	0.333	1	333	Yes
17	5510	9	300	0.333	1	333	Yes
18	5510	9	300	0.333	1	333	Yes
19	5510	9	300	0.333	1	333	Yes
20	5510	9	300	0.333	1	333	Yes
21	5510	9	300	0.333	1	333	Yes
22	5510	9	300	0.333	1	333	Yes
23	5510	9	300	0.333	1	333	Yes
24	5510	9	300	0.333	1	333	Yes
25	5510	9	300	0.333	1	333	Yes
26	5510	9	300	0.333	1	333	Yes
27	5510	9	300	0.333	1	333	Yes
28	5510	9	300	0.333	1	333	Yes
29	5510	9	300	0.333	1	333	Yes
30	5510	9	300	0.333	1	333	Yes

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#### 5510 MHz:

VII 12.					
Short Pulse Ra- dar Type	Minimum Number of Trials	Detect	ion(%)	Minmum Percentage of Suc- cessful Detection(%)	Pass/Fail
1	30	10	00	60	Pass
2	30	96	.67	60	Pass
3	30	9	0	60	Pass
4	30	86	.67	60	Pass
Aggregate (Radar Types 1-4)	120	93.	93.335 80		Pass
Long Pulse Radar Type	Minimum Number of Trials	Eacn	Total Detection(%)	Minmum Percentage of Suc- cessful Detection(%)	Pass/Fail
	Center:10	100			
5	Low Edge:10	100	100	80	Pass
	High Edge:10	100			
Frequency Hopping Radar Type	Minimum Number of Trials	Detection(%)		Minmum Percentage of Suc- cessful Detection(%)	Pass/Fail
6	30	10	00	70	Pass

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#### Radar Type 1 for 5510 MHz:

Data Sheet for FCC Radar Type 1

Trial	VSG Freqency	Pulse Repetition Frequency	· I HOH I I CAUCHCY I		Test A/B	Successful Detection
IIIai	(MHz)	Number (1 to 23)	(Pulses Per Second)	(µsec)	A/B	(Yes/No)
1	5510	1	1930.5	518	Α	Yes
2	5510	5	1672.2	598	Α	Yes
3	5510	12	1355	738	Α	Yes
4	5510	23	326.2	3066	Α	Yes
5	5510	9	1474.9	678	Α	Yes
6	5510	11	1392.8	718	Α	Yes
7	5510	19	1139	878	Α	Yes
8	5510	21	1089.3	918	Α	Yes
9	5510	2	1858.7	538	Α	Yes
10	5510	14	1285.3	778	Α	Yes
11	5510	4	1730.1	578	Α	Yes
12	5510	7	1567.4	638	Α	Yes
13	5510	22	1066.1	938	Α	Yes
14	5510	20	1113.6	898	Α	Yes
15	5510	8	1519.8	658	Α	Yes
16	5510	-	348.2	2872	В	Yes
17	5510	-	762.2	1312	В	Yes
18	5510	-	634.5	1576	В	Yes
19	5510	-	827.1	1209	В	Yes
20	5510	-	501	1996	В	Yes
21	5510	-	901.7	1109	В	Yes
22	5510	-	371.7	2690	В	Yes
23	5510	-	718.4	1392	В	Yes
24	5510	-	428.4	2334	В	Yes
25	5510	-	551.6	1813	В	Yes
26	5510	-	444.8	2248	В	Yes
27	5510	-	423.2	2363	В	Yes
28	5510	-	487.3	2052	В	Yes
29	5510	-	368.1	2717	В	Yes
30	5510		442.7	2259	В	Yes

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### Radar Type 2 for 5510 MHz:

Data Sheet for FCC Radar Type 2

				-	
Trial	VSG Freqency (MHz)	Number Pulses per Burst (23-29)	Pulse Width (1-5)	PRI (150-230)	Successful Detection
		(=0 =0)	$(\mu \text{ sec})$	(μ sec)	(Yes/No)
1	5510	23	1.5	166	Yes
2	5510	29	4.6	197	Yes
3	5510	24	1.6	196	Yes
4	5510	26	3	159	Yes
5	5510	28	4.3	208	Yes
6	5510	24	2	185	Yes
7	5510	23	1.1	194	Yes
8	5510	25	2.7	164	No
9	5510	23	1.2	223	Yes
10	5510	24	1.8	219	Yes
11	5510	25	2.2	163	Yes
12	5510	27	3.3	191	Yes
13	5510	26	2.8	167	Yes
14	5510	27	3.3	152	Yes
15	5510	23	1.5	153	Yes
16	5510	24	2.1	202	Yes
17	5510	27	3.8	160	Yes
18	5510	23	1.1	178	Yes
19	5510	25	2.5	176	Yes
20	5510	25	2.3	158	Yes
21	5510	25	2.2	190	Yes
22	5510	25	2.5	175	Yes
23	5510	28	4.2	225	Yes
24	5510	25	2.7	172	Yes
25	5510	24	1.6	186	Yes
26	5510	27	3.9	221	Yes
27	5510	29	4.9	206	Yes
28	5510	24	1.9	212	Yes
29	5510	27	3.5	230	Yes
30	5510	25	2.3	155	Yes

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### Radar Type 3 for 5510 MHz:

Data Sheet for FCC Radar Type 3

Trial         VSG Frequency (MHz)         Number Burst (16-18)         Pulse ber Burst (16-10)         Pulse (0-10)         Successful Detection           1         5510         16         6.5         414         Yes           2         5510         18         9.6         425         Yes           3         5510         16         6.6         380         Yes           4         5510         17         8         449         Yes           5         5510         18         9.3         475         Yes           6         5510         16         7         232         Yes           7         5510         16         6.1         211         Yes           8         5510         16         7.7         241         Yes           9         5510         16         6.1         211         Yes           9         5510         16         6.2         302         Yes           10         5510         16         6.2         302         Yes           11         5510         16         7.2         368         No           12         5510         17         8.3						
(μ sec) (μ sec) (γes/No)	Trial	Freqency	Pulses per Burst			
2         5510         18         9.6         425         Yes           3         5510         16         6.6         380         Yes           4         5510         17         8         449         Yes           5         5510         18         9.3         475         Yes           6         5510         16         7         232         Yes           7         5510         16         6.1         211         Yes           8         5510         17         7.7         241         Yes           9         5510         16         6.2         302         Yes           10         5510         16         6.2         302         Yes           11         5510         16         6.8         488         Yes           11         5510         16         7.2         368         No           12         5510         17         7.8         499         Yes           14         5510         17         7.8         499         Yes           15         5510         16         6.5         243         Yes           15			(10.10)	( μ sec)	(μ sec)	(Yes/No)
3         5510         16         6.6         380         Yes           4         5510         17         8         449         Yes           5         5510         18         9.3         475         Yes           6         5510         16         7         232         Yes           7         5510         16         6.1         211         Yes           8         5510         17         7.7         241         Yes           9         5510         16         6.2         302         Yes           10         5510         16         6.8         488         Yes           11         5510         16         7.2         368         No           12         5510         17         8.3         467         Yes           13         5510         17         7.8         499         Yes           14         5510         17         7.8         499         Yes           15         5510         16         6.5         243         Yes           15         5510         16         7.1         317         Yes           17 <td< td=""><td>1</td><td>5510</td><td>16</td><td>6.5</td><td>414</td><td>Yes</td></td<>	1	5510	16	6.5	414	Yes
4         5510         17         8         449         Yes           5         5510         18         9.3         475         Yes           6         5510         16         7         232         Yes           7         5510         16         6.1         211         Yes           8         5510         17         7.7         241         Yes           9         5510         16         6.2         302         Yes           10         5510         16         6.8         488         Yes           11         5510         16         7.2         368         No           12         5510         17         8.3         467         Yes           13         5510         17         7.8         499         Yes           14         5510         17         7.8         499         Yes           15         5510         16         6.5         243         Yes           15         5510         16         7.1         317         Yes           17         5510         18         8.8         298         Yes           18 <t< td=""><td>2</td><td>5510</td><td>18</td><td>9.6</td><td>425</td><td>Yes</td></t<>	2	5510	18	9.6	425	Yes
5         5510         18         9.3         475         Yes           6         5510         16         7         232         Yes           7         5510         16         6.1         211         Yes           8         5510         17         7.7         241         Yes           9         5510         16         6.2         302         Yes           10         5510         16         6.8         488         Yes           11         5510         16         7.2         368         No           12         5510         17         8.3         467         Yes           13         5510         17         7.8         499         Yes           14         5510         17         8.3         498         Yes           15         5510         16         6.5         243         Yes           16         5510         16         7.1         317         Yes           17         5510         18         8.8         298         Yes           18         5510         16         6.1         201         Yes           19	3	5510	16	6.6	380	Yes
6         5510         16         7         232         Yes           7         5510         16         6.1         211         Yes           8         5510         17         7.7         241         Yes           9         5510         16         6.2         302         Yes           10         5510         16         6.8         488         Yes           11         5510         16         7.2         368         No           12         5510         17         8.3         467         Yes           13         5510         17         7.8         499         Yes           14         5510         17         8.3         498         Yes           15         5510         16         6.5         243         Yes           16         5510         16         7.1         317         Yes           17         5510         18         8.8         298         Yes           18         5510         16         6.1         201         Yes           19         5510         17         7.5         418         Yes           20	4	5510	17	8	449	Yes
7         5510         16         6.1         211         Yes           8         5510         17         7.7         241         Yes           9         5510         16         6.2         302         Yes           10         5510         16         6.8         488         Yes           11         5510         16         7.2         368         No           12         5510         17         8.3         467         Yes           13         5510         17         7.8         499         Yes           14         5510         17         8.3         498         Yes           15         5510         16         6.5         243         Yes           16         5510         16         7.1         317         Yes           17         5510         18         8.8         298         Yes           18         5510         16         7.1         317         Yes           19         5510         17         7.5         418         Yes           20         5510         17         7.3         377         No           21	5	5510	18	9.3	475	Yes
8         5510         17         7.7         241         Yes           9         5510         16         6.2         302         Yes           10         5510         16         6.8         488         Yes           11         5510         16         7.2         368         No           12         5510         17         8.3         467         Yes           13         5510         17         7.8         499         Yes           14         5510         17         8.3         498         Yes           15         5510         16         6.5         243         Yes           16         5510         16         7.1         317         Yes           17         5510         18         8.8         298         Yes           18         5510         16         6.1         201         Yes           19         5510         17         7.5         418         Yes           20         5510         17         7.5         418         Yes           20         5510         16         7.2         386         Yes           22	6	5510	16	7	232	Yes
9         5510         16         6.2         302         Yes           10         5510         16         6.8         488         Yes           11         5510         16         7.2         368         No           12         5510         17         8.3         467         Yes           13         5510         17         7.8         499         Yes           14         5510         17         7.8         499         Yes           14         5510         16         6.5         243         Yes           15         5510         16         6.5         243         Yes           16         5510         16         7.1         317         Yes           17         5510         18         8.8         298         Yes           18         5510         16         6.1         201         Yes           19         5510         17         7.5         418         Yes           20         5510         17         7.3         377         No           21         5510         16         7.2         386         Yes           22	7	5510	16	6.1	211	Yes
10         5510         16         6.8         488         Yes           11         5510         16         7.2         368         No           12         5510         17         8.3         467         Yes           13         5510         17         7.8         499         Yes           14         5510         17         8.3         498         Yes           15         5510         16         6.5         243         Yes           16         5510         16         7.1         317         Yes           17         5510         18         8.8         298         Yes           18         5510         16         6.1         201         Yes           19         5510         17         7.5         418         Yes           20         5510         17         7.3         377         No           21         5510         16         7.2         386         Yes           22         5510         17         7.5         384         Yes           23         5510         18         9.2         430         Yes           24	8	5510	17	7.7	241	Yes
11         5510         16         7.2         368         No           12         5510         17         8.3         467         Yes           13         5510         17         7.8         499         Yes           14         5510         17         8.3         498         Yes           15         5510         16         6.5         243         Yes           16         5510         16         7.1         317         Yes           17         5510         18         8.8         298         Yes           18         5510         16         6.1         201         Yes           19         5510         17         7.5         418         Yes           20         5510         17         7.3         377         No           21         5510         16         7.2         386         Yes           22         5510         17         7.5         384         Yes           23         5510         18         9.2         430         Yes           24         5510         17         7.7         222         No           25	9	5510	16	6.2	302	Yes
12       5510       17       8.3       467       Yes         13       5510       17       7.8       499       Yes         14       5510       17       8.3       498       Yes         15       5510       16       6.5       243       Yes         16       5510       16       7.1       317       Yes         17       5510       18       8.8       298       Yes         18       5510       16       6.1       201       Yes         19       5510       17       7.5       418       Yes         20       5510       17       7.3       377       No         21       5510       16       7.2       386       Yes         22       5510       17       7.5       384       Yes         23       5510       18       9.2       430       Yes         24       5510       17       7.7       222       No         25       5510       16       6.6       283       Yes         26       5510       18       8.9       429       Yes         27       5510 <td< td=""><td>10</td><td>5510</td><td>16</td><td>6.8</td><td>488</td><td>Yes</td></td<>	10	5510	16	6.8	488	Yes
13       5510       17       7.8       499       Yes         14       5510       17       8.3       498       Yes         15       5510       16       6.5       243       Yes         16       5510       16       7.1       317       Yes         17       5510       18       8.8       298       Yes         18       5510       16       6.1       201       Yes         19       5510       17       7.5       418       Yes         20       5510       17       7.3       377       No         21       5510       16       7.2       386       Yes         22       5510       17       7.5       384       Yes         23       5510       17       7.5       384       Yes         24       5510       17       7.7       222       No         25       5510       16       6.6       283       Yes         26       5510       18       8.9       429       Yes         26       5510       18       8.9       429       Yes         28       5510 <td< td=""><td>11</td><td>5510</td><td>16</td><td>7.2</td><td>368</td><td>No</td></td<>	11	5510	16	7.2	368	No
14       5510       17       8.3       498       Yes         15       5510       16       6.5       243       Yes         16       5510       16       7.1       317       Yes         17       5510       18       8.8       298       Yes         18       5510       16       6.1       201       Yes         19       5510       17       7.5       418       Yes         20       5510       17       7.3       377       No         21       5510       16       7.2       386       Yes         22       5510       17       7.5       384       Yes         23       5510       18       9.2       430       Yes         24       5510       17       7.7       222       No         25       5510       16       6.6       283       Yes         26       5510       18       8.9       429       Yes         27       5510       18       9.9       210       Yes         28       5510       16       6.9       459       Yes         29       5510 <td< td=""><td>12</td><td>5510</td><td>17</td><td>8.3</td><td>467</td><td>Yes</td></td<>	12	5510	17	8.3	467	Yes
15         5510         16         6.5         243         Yes           16         5510         16         7.1         317         Yes           17         5510         18         8.8         298         Yes           18         5510         16         6.1         201         Yes           19         5510         17         7.5         418         Yes           20         5510         17         7.3         377         No           21         5510         16         7.2         386         Yes           22         5510         17         7.5         384         Yes           23         5510         18         9.2         430         Yes           24         5510         17         7.7         222         No           25         5510         16         6.6         283         Yes           26         5510         18         8.9         429         Yes           27         5510         18         9.9         210         Yes           28         5510         16         6.9         459         Yes           29	13	5510	17	7.8	499	Yes
16       5510       16       7.1       317       Yes         17       5510       18       8.8       298       Yes         18       5510       16       6.1       201       Yes         19       5510       17       7.5       418       Yes         20       5510       17       7.3       377       No         21       5510       16       7.2       386       Yes         22       5510       17       7.5       384       Yes         23       5510       18       9.2       430       Yes         24       5510       17       7.7       222       No         25       5510       16       6.6       283       Yes         26       5510       18       8.9       429       Yes         27       5510       18       9.9       210       Yes         28       5510       16       6.9       459       Yes         29       5510       17       8.5       268       Yes	14	5510	17	8.3	498	Yes
17       5510       18       8.8       298       Yes         18       5510       16       6.1       201       Yes         19       5510       17       7.5       418       Yes         20       5510       17       7.3       377       No         21       5510       16       7.2       386       Yes         22       5510       17       7.5       384       Yes         23       5510       18       9.2       430       Yes         24       5510       17       7.7       222       No         25       5510       16       6.6       283       Yes         26       5510       18       8.9       429       Yes         27       5510       18       9.9       210       Yes         28       5510       16       6.9       459       Yes         29       5510       17       8.5       268       Yes	15	5510	16	6.5	243	Yes
18         5510         16         6.1         201         Yes           19         5510         17         7.5         418         Yes           20         5510         17         7.3         377         No           21         5510         16         7.2         386         Yes           22         5510         17         7.5         384         Yes           23         5510         18         9.2         430         Yes           24         5510         17         7.7         222         No           25         5510         16         6.6         283         Yes           26         5510         18         8.9         429         Yes           27         5510         18         9.9         210         Yes           28         5510         16         6.9         459         Yes           29         5510         17         8.5         268         Yes	16	5510	16	7.1	317	Yes
19       5510       17       7.5       418       Yes         20       5510       17       7.3       377       No         21       5510       16       7.2       386       Yes         22       5510       17       7.5       384       Yes         23       5510       18       9.2       430       Yes         24       5510       17       7.7       222       No         25       5510       16       6.6       283       Yes         26       5510       18       8.9       429       Yes         27       5510       18       9.9       210       Yes         28       5510       16       6.9       459       Yes         29       5510       17       8.5       268       Yes	17	5510	18	8.8	298	Yes
20       5510       17       7.3       377       No         21       5510       16       7.2       386       Yes         22       5510       17       7.5       384       Yes         23       5510       18       9.2       430       Yes         24       5510       17       7.7       222       No         25       5510       16       6.6       283       Yes         26       5510       18       8.9       429       Yes         27       5510       18       9.9       210       Yes         28       5510       16       6.9       459       Yes         29       5510       17       8.5       268       Yes	18	5510	16	6.1	201	Yes
21       5510       16       7.2       386       Yes         22       5510       17       7.5       384       Yes         23       5510       18       9.2       430       Yes         24       5510       17       7.7       222       No         25       5510       16       6.6       283       Yes         26       5510       18       8.9       429       Yes         27       5510       18       9.9       210       Yes         28       5510       16       6.9       459       Yes         29       5510       17       8.5       268       Yes	19	5510	17	7.5	418	Yes
22       5510       17       7.5       384       Yes         23       5510       18       9.2       430       Yes         24       5510       17       7.7       222       No         25       5510       16       6.6       283       Yes         26       5510       18       8.9       429       Yes         27       5510       18       9.9       210       Yes         28       5510       16       6.9       459       Yes         29       5510       17       8.5       268       Yes	20	5510	17	7.3	377	No
23     5510     18     9.2     430     Yes       24     5510     17     7.7     222     No       25     5510     16     6.6     283     Yes       26     5510     18     8.9     429     Yes       27     5510     18     9.9     210     Yes       28     5510     16     6.9     459     Yes       29     5510     17     8.5     268     Yes	21	5510	16	7.2	386	Yes
24         5510         17         7.7         222         No           25         5510         16         6.6         283         Yes           26         5510         18         8.9         429         Yes           27         5510         18         9.9         210         Yes           28         5510         16         6.9         459         Yes           29         5510         17         8.5         268         Yes	22	5510	17	7.5	384	Yes
24         5510         17         7.7         222         No           25         5510         16         6.6         283         Yes           26         5510         18         8.9         429         Yes           27         5510         18         9.9         210         Yes           28         5510         16         6.9         459         Yes           29         5510         17         8.5         268         Yes	23	5510	18	9.2	430	Yes
26     5510     18     8.9     429     Yes       27     5510     18     9.9     210     Yes       28     5510     16     6.9     459     Yes       29     5510     17     8.5     268     Yes	24	5510	17	7.7	222	No
27     5510     18     9.9     210     Yes       28     5510     16     6.9     459     Yes       29     5510     17     8.5     268     Yes	25	5510	16	6.6	283	Yes
28     5510     16     6.9     459     Yes       29     5510     17     8.5     268     Yes	26	5510	18	8.9	429	Yes
29 5510 17 8.5 268 Yes	27	5510	18	9.9	210	Yes
<del>                                     </del>	28	5510	16	6.9	459	Yes
	29	5510	17	8.5	268	Yes
30   5510   17   7.3   229   Yes	30	5510	17	7.3	229	Yes

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Otherwise stated the results shown in this test report rerier only to the sample(s) tested and such sample(s) tested and such sample(s) tested and such sample(s) are retained to 90 days only.

Phys April 19 Hebria 19 Hebria 20 days only.

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### Radar Type 4 for 5510 MHz:

Data Sheet for FCC Radar Type 4

Trial	VSG Freqency (MHz)	Number Pulses per Burst (12-16)	Pulse Width (11-20)	PRI (200-500)	Successful Detection
		(12.10)	$(\mu \text{ sec})$	(μ sec)	(Yes/No)
1	5510	12	12.2	414	Yes
2	5510	16	19.1	425	Yes
3	5510	12	12.5	380	Yes
4	5510	14	15.4	449	Yes
5	5510	16	18.4	475	No
6	5510	13	13.3	232	Yes
7	5510	12	11.2	211	Yes
8	5510	14	14.8	241	Yes
9	5510	12	11.6	302	Yes
10	5510	13	12.8	488	Yes
11	5510	13	13.7	368	Yes
12	5510	14	16.2	467	No
13	5510	14	15	499	Yes
14	5510	14	16.2	498	Yes
15	5510	12	12.2	243	Yes
16	5510	13	13.4	317	Yes
17	5510	15	17.3	298	Yes
18	5510	12	11.2	201	No
19	5510	13	14.5	418	Yes
20	5510	13	14	377	Yes
21	5510	13	13.7	386	Yes
22	5510	13	14.4	384	Yes
23	5510	15	18.1	430	No
24	5510	14	14.7	222	Yes
25	5510	12	12.5	283	Yes
26	5510	15	17.4	429	Yes
27	5510	16	19.7	210	Yes
28	5510	13	13.1	459	Yes
29	5510	15	16.7	268	Yes
30	5510	13	14	229	Yes

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# Radar Type 5 for 5510 MHz:

5 for 5510	MHZ:					
Data Sheet f	or FCC Rad	ar Type 5				
Trial Numbe	r:	1		VSG Fre	eqency(MHz):	5510
Number of E	Bursts in Trial	:	9	Successi	ful 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
	(1-3)	(μ sec)	(MHz)	( $\mu$ sec)	(µ sec)	(μ sec)
1	1	56.6	7			0
2	3	94.8	7	1756.2	1785.2	1333333
3	1	58.4	7			2666667
4	2	74.6	7	1485.4		4000000
5	3	90.9	7	1082.1	1013.1	5333333
6	1	62.9	7			6666667
7	1	51.3	7			8000000
8	2	71	7	1825		9333333
9	1	53.3	7			10666667

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Data Sheet f	or FCC Rad	ar Type 5				
Trial Numbe	r:	2		VSG Fre	eqency(MHz):	5510
Number of E	Bursts in Tria	:	19	Successi	ful 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
	(1-3)	$(\mu  \mathrm{sec})$	(MHz)	(µ sec)	$(\mu \text{ sec})$	(µ sec)
1	1	60.4	19			0
2	1	65	19			631579
3	2	79	19	1153		1263158
4	2	72.4	19	1399.6		1894737
5	2	79	19	1277		2526316
6	1	56.6	19			3157895
7	1	63.5	19			3789474
8	3	84.8	19	954.2	1384.2	4421053
9	1	51.4	19			5052632
10	2	69.3	19	1214.7		5684211
11	2	67	19	1210		6315789
12	1	65.1	19			6947368
13	2	69.1	19	1392.9		7578947
14	3	89.3	19	1658.7	932.7	8210526
15	2	70.8	19	1615.2		8842105
16	1	58.3	19			9473684
17	3	85.5	19	1667.5	1777.5	10105263
18	3	98.3	19	1145.7	1471.7	10736842
19	1	62.1	19			11368421

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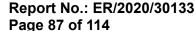
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Data Sheet for FCC Radar Type 5							
Trial Numbe	r:	3		VSG Fre	eqency(MHz):	5510	
Number of E	Bursts in Tria	l:	10	Successi	ul Detection:	Yes	
Burst Pulses per (8-20) Burst		Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val	
	(1-3)	(μ sec)	(MHz)	(µ sec)	( $\mu$ sec)	(µ sec)	
1	2	81.7	7	1293.3		0	
2	2	66.9	7	1819.1		1200000	
3	3	95.8	7	1543.2	1271.2	2400000	
4	3	83.4	7	1430.6	1260.6	3600000	
5	3	99.2	7	1819.8	973.8	4800000	
6	3	95.9	7	1276.1	1357.1	6000000	
7	2	77	7	1486		7200000	
8	1	56.2	7			8400000	
9	3	85.6	7	1506.4	1026.4	9600000	
10	1	63.4	7			10800000	

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**Data Sheet for FCC** Radar Type 5 **Trial Number:** 4 VSG Frequency(MHz): 5510 14 **Number of Bursts in Trial: Successful Detection:** Yes Starting Lo-Chirp **Pulse** Number Pulse 2-to-3 Pulse 1-to-2 cation Width Width Pulses per Burst Spacing Spacing Within Inter-(50-100)(5-20)**Burst** (8-20)val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$ 1 1 55.7 12 857143 2 3 93.2 12 1584.8 1703.8 1714286 3 3 92.9 12 1315.1 1105.1 2571429 1 56.2 12 4 3428571 2 5 82.4 12 1139.6 4285714 6 2 76.4 12 999.6 5142857 7 1 12 54.4 6000000 2 72.2 12 1308.8 8 6857143 2 9 79.3 12 1404.7 7714286 10 3 12 1229.1 1725.1 87.9 8571429 11 3 92 12 1292 1035 9428571 12 2 73.6 12 1740.4 10285714 2 12 1105.2 13 73.8 11142857

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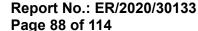
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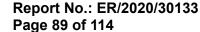


**Data Sheet for FCC** Radar Type 5 **Trial Number:** 5 VSG Frequency(MHz): 5510 18 **Number of Bursts in Trial: Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 2-to-3 Pulse 1-to-2 cation Width Width Pulses per Burst Spacing Spacing Within Inter-(50-100)(5-20)**Burst** (8-20)val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$ 1069.6 1 3 97.4 18 1333.6 666667 2 1 51.3 18 1333333 2 3 81.9 18 1363.1 2000000 3 87.5 4 18 1076.5 1354.5 2666667 5 1 55.5 18 3333333 6 3 87.7 18 1050.3 1283.3 4000000 7 1 66.3 18 4666667 8 1 55.3 18 5333333 1 9 64.7 18 6000000 10 3 89.3 18 950.7 1560.7 6666667 11 3 89.4 18 1460.6 1323.6 7333333 12 3 18 1320.6 1487.6 86.4 8000000 1 18 13 64.6 8666667 14 2 81.7 18 1266.3 9333333 2 18 1420.2 15 79.8 10000000 2 76.6 18 1241.4 16 10666667 52 18 17 1 11333333 1 50.3 18 18

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Data Sheet f	Data Sheet for FCC Radar Type 5								
Trial Numbe	r:	6		VSG Fre	eqency(MHz):	5510			
Number of E	Bursts in Tria	l:	11	Successi	ful Detection:	Yes			
Burst Pulses pe (8-20) Burst		Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val			
	(1-3)	(µ sec)	(MHz)	(μ sec)	(µ sec)	(µ sec)			
1	2	77.9	9	1075.1		0			
2	2	71.3	9	944.7		1090909			
3	3	95.8	9	1273.2	1227.2	2181818			
4	2	76.2	9	925.8		3272727			
5	2	74.1	9	1452.9		4363636			
6	1	58.8	9			5454545			
7	3	86.8	9	1216.2	1384.2	6545455			
8	1	62.8	9			7636364			
9	1	66.3	9			8727273			
10	3	86.1	9	995.9	1723.9	9818182			
11	1	56.2	9			10909091			

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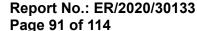
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Data Sheet for FCC Radar Type 5								
Trial Number:		7		VSG Fre	eqency(MHz):	5510		
Number of E	Bursts in Tria	l:	8	Successi	ul Detection:	Yes		
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val		
	(1-9)	(µ sec)	(MHz)	(μ sec)	(µ sec)	(µ sec)		
1	1	60.3	5			0		
2	2	70.1	5	1287.9		1500000		
3	1	58	5			3000000		
4	3	93.1	5	1107.9	1326.9	4500000		
5	2	78.4	5	1047.6		6000000		
6	3	86	5	1645	1169	7500000		
7	3	97.8	5	1300.2	1555.2	9000000		
8	1	64	5			10500000		

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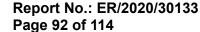
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Data Sheet f	or FCC Rad	lar Type 5				
Trial Numbe	r:	8		VSG Freqency(MHz):		5510
Number of E	Bursts in Tria	l:	13	Successi	ful Detection:	Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val
	(1-3)	( μ sec)	(MHz)	(μ sec)	$(\mu \text{ sec})$	(μ sec)
1	3	89.5	11	1359.5	943.5	0
2	1	50.6	11			923077
3	3	98	11	1195	1725	1846154
4	3	97.2	11	1002.8	1381.8	2769231
5	1	50.3	11			3692308
6	2	78.4	11	1519.6		4615385
7	1	53.6	11			5538462
8	2	66.9	11	1733.1		6461538
9	3	96	11	1831	1033	7384615
10	1	61.7	11			8307692
11	2	72.8	11	1431.2		9230769
12	3	92.5	11	1727.5	984.5	10153846
13	1	52.7	11		_	11076923

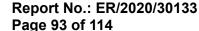
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Data Sheet f	Data Sheet for FCC Radar Type 5								
Trial Number:		9		VSG Fre	eqency(MHz):	5510			
Number of E	Bursts in Tria	l:	8	Successi	ful Detection:	Yes			
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val			
	(1-3)	(µ sec)	(MHz)	(μ sec)	(µ sec)	(µ sec)			
1	3	85.9	6	1802.1	942.1	0			
2	3	91.6	6	1213.4	1445.4	1500000			
3	3	95.7	6	1238.3	1477.3	3000000			
4	1	52.5	6			4500000			
5	2	71.6	6	1683.4		6000000			
6	2	71.1	6	1453.9		7500000			
7	2	77.2	6	1021.8		9000000			
8	2	73	6	1489	_	10500000			

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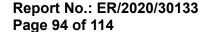




**Data Sheet for FCC** Radar Type 5 **Trial Number:** 10 VSG Frequency(MHz): 5510 10 **Number of Bursts in Trial: Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 2-to-3 Pulse 1-to-2 cation Width Width Pulses per Burst Spacing Spacing Within Inter-(50-100)(5-20)**Burst** (8-20)val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$ 1 1 50.7 8 1200000 2 3 92.8 8 1841.2 1154.2 2400000 2 3 71.3 8 1817.7 3600000 2 80.2 4 8 1134.8 4800000 5 3 99.2 8 1434.8 1224.8 6000000 6 1 8 54.4 7200000 7 2 69.1 8 1432.9 8400000 2 8 1503.7 8 81.3 9600000 3 9 93.4 8 1202.6 1259.6 10800000 10 3 86.2 8 1336.8 1275.8

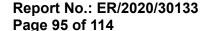
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Data Sheet f	or FCC Rad	lar Type 5				
Trial Number:		11		VSG Freqency(MHz):		5495.454
Number of E	Bursts in Tria	l:	11	Successi	ful Detection:	Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val
	(1-3)	(µ sec)	(MHz)	(μ sec)	(µ sec)	(µ sec)
1	3	95.7	9	1147.3	1897.3	0
2	2	82.1	9	1119.9		1090909
3	1	62.5	9			2181818
4	1	62.6	9			3272727
5	3	99.7	9	1863.3	1312.3	4363636
6	2	79.9	9	1519.1		5454545
7	2	74.2	9	1173.8		6545455
8	3	95.4	9	955.6	1851.6	7636364
9	3	97.9	9	937.1	1137.1	8727273
10	2	70.5	9	1728.5		9818182
11	3	91.9	9	1272.1	1301.1	10909091

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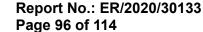




**Data Sheet for FCC** Radar Type 5 **Trial Number:** 12 VSG Frequency(MHz): 5497.454 15 **Number of Bursts in Trial: Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 2-to-3 Pulse 1-to-2 cation Width Width Pulses per Burst Spacing Spacing Within Inter-(50-100)(5-20)**Burst** (8-20)val (1-3)(MHz)  $(\mu \sec)$  $(\mu \sec)$  $(\mu \text{ sec})$  $(\mu \text{ sec})$ 1069.2 1 3 90.8 14 1834.2 800000 2 1 51 14 1600000 3 3 93.6 14 938.4 1210.4 2400000 3 93.7 4 14 1697.3 1200.3 3200000 5 1 53.5 14 4000000 6 2 74.4 14 1124.6 4800000 2 7 78.5 14 979.5 5600000 1 62.4 8 14 6400000 3 9 90.6 14 1758.4 1802.4 7200000 10 1 56.7 14 8000000 11 1 64.8 14 8800000 12 2 70.5 1573.5 14 9600000 3 1143 1457 13 91 14 10400000 3 88.7 14 1242.3 1661.3 14 11200000 1 15 57.9 14

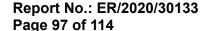
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Data Sheet f	Data Sheet for FCC Radar Type 5									
Trial Numbe	r:	13	13		VSG Freqency(MHz):					
Number of Bursts in Trial		l:	13	Successi	ful Detection:	Yes				
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val				
	(1-3)	(µ sec)	(MHz)	(μ sec)	$(\mu \text{ sec})$	(µ sec)				
1	2	76.7	12	1011.3		0				
2	2	66.9	12	1373.1		923077				
3	1	51.2	12			1846154				
4	2	74	12	1685		2769231				
5	3	84.6	12	1693.4	1205.4	3692308				
6	3	85.7	12	1614.3	1685.3	4615385				
7	1	52.6	12			5538462				
8	2	75.5	12	1839.5		6461538				
9	2	77.1	12	982.9		7384615				
10	1	60.3	12			8307692				
11	3	90.2	12	1756.8	1235.8	9230769				
12	2	73.3	12	1719.7		10153846				
13	3	91.9	12	1416.1	1139.1	11076923				

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**Data Sheet for FCC** Radar Type 5 **Trial Number:** 14 VSG Frequency(MHz): 5497.454 15 **Number of Bursts in Trial: Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 2-to-3 Pulse 1-to-2 cation Width Width Pulses per Burst Spacing Spacing Within Inter-(50-100)(5-20)**Burst** (8-20)val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$ 1 1 65.7 14 800000 2 2 78.3 14 1781.7 1600000 2 3 76.3 14 1042.7 2400000 2 4 73.3 14 1666.7 3200000 5 1 56.7 14 4000000 6 2 81.2 14 1698.8 4800000 7 1 60 14 5600000 3 91.7 994.3 1060.3 8 14 6400000 2 9 77.8 14 1633.2 7200000 10 3 14 1378.4 1310.4 86.6 8000000 11 3 95.7 14 1061.3 1892.3 8800000 12 2 80 14 1025 9600000 3 1705.4 13 90.6 14 1234.4 10400000 2 68.9 14 1760.1 14 11200000 15 1 52.7 14

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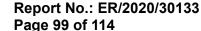


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Data Sheet 1	or FCC Rad	lar Type 5				
Trial Number:		15		VSG Fre	VSG Freqency(MHz):	
Number of E	Bursts in Tria	l:	9	Successi	ful Detection:	Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val
	(1-3)	(µ sec)	(MHz)	(µ sec)	(μ sec)	( $\mu$ sec)
1	2	79.5	7	1650.5		0
2	2	80.9	7	1842.1		1333333
3	1	61.5	7			2666667
4	2	71.6	7	1320.4		4000000
5	2	73.9	7	1253.1		5333333
6	3	91.8	7	1869.2	1631.2	6666667
7	1	53.2	7			8000000
8	1	57.3	7			9333333
9	3	94.2	7	1265.8	970.8	10666667

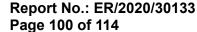
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Data Sheet f	Data Sheet for FCC Radar Type 5								
Trial Number:		16		VSG Freqency(MHz):		5495.454			
Number of E	Bursts in Tria	l:	11	Successi	ful Detection:	Yes			
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val			
	(1-3)	(µ sec)	(MHz)	(μ sec)	(µ sec)	(µ sec)			
1	2	73.8	9	1912.2		0			
2	3	86	9	1138	1852	1090909			
3	1	56.2	9			2181818			
4	3	88.1	9	1593.9	1408.9	3272727			
5	2	75.6	9	1872.4		4363636			
6	1	66.4	9			5454545			
7	2	83.3	9	1511.7		6545455			
8	1	63.3	9			7636364			
9	1	51	9			8727273			
10	3	86.6	9	1601.4	1525.4	9818182			
11	3	96.7	9	1654.3	1195.3	10909091			

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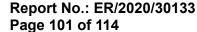




Data Sheet for FCC Radar Type 5								
Trial Numbe	r:	17		VSG Fre	eqency(MHz):	5498.254		
Number of B	Bursts in Tria	l:	17	Successi	ful Detection:	Yes		
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val		
	(1-3)	(µ sec)	(MHz)	(µ sec)	$(\mu \text{ sec})$	(μ sec)		
1	1	62.2	16			0		
2	2	80.5	16	1903.5		705882		
3	3	91.5	16	1112.5	1843.5	1411765		
4	1	63.8	16			2117647		
5	1	59.7	16			2823529		
6	2	78.6	16	1646.4		3529412		
7	1	66.3	16			4235294		
8	3	98.9	16	1822.1	1222.1	4941176		
9	2	80.4	16	1910.6		5647059		
10	1	55.5	16			6352941		
11	3	94	16	1294	1635	7058824		
12	3	94	16	1517	1764	7764706		
13	2	66.7	16	1816.3		8470588		
14	3	100	16	1833	1008	9176471		
15	3	96.1	16	1288.9	1785.9	9882353		
16	3	96.3	16	1890.7	1191.7	10588235		
17	3	98.9	16	1396.1	1702.1	11294118		

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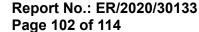
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Data Sheet f	Data Sheet for FCC Radar Type 5								
Trial Numbe	r:	18		VSG Freqency(MHz):		5493.854			
Number of E	Bursts in Tria	l:	8	Successi	ful Detection:	Yes			
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val			
	(1-3)	(µ sec)	(MHz)	(μ sec)	(µ sec)	(µ sec)			
1	2	68.5	5	1762.5		0			
2	3	99.5	5	1547.5	1509.5	1500000			
3	1	50.1	5			3000000			
4	1	62.5	5			4500000			
5	2	71	5	1921		6000000			
6	2	82.2	5	1365.8		7500000			
7	3	99.6	5	1883.4	1626.4	9000000			
8	2	70.8	5	1392.2		10500000			

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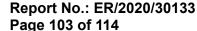




Data Sheet f	or FCC Rad	lar Type 5				
Trial Numbe	r:	19		VSG Freqency(MHz):		5496.254
Number of E	Bursts in Tria	l:	13	Successi	ful Detection:	Yes
Burst Pulses per (8-20) Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val	
	(1-3)	( μ sec)	(MHz)	(μ sec)	$(\mu \text{ sec})$	(μ sec)
1	2	74.9	11	995.1		0
2	2	71.9	11	1773.1		923077
3	1	66	11			1846154
4	1	61.4	11			2769231
5	1	53.2	11			3692308
6	2	82.3	11	1307.7		4615385
7	2	79	11	1354		5538462
8	1	53.9	11			6461538
9	2	72.3	11	1802.7		7384615
10	3	90.5	11	1701.5	1759.5	8307692
11	3	99	11	1248	1220	9230769
12	3	89.5	11	1608.5	965.5	10153846
13	3	97.7	11	1721.3	1527.3	11076923

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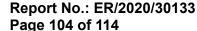




**Data Sheet for FCC** Radar Type 5 **Trial Number:** 20 VSG Frequency(MHz): 5495.854 **Number of Bursts in Trial:** 12 **Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 2-to-3 Pulse 1-to-2 cation Width Width Pulses per Burst Spacing Spacing Within Inter-(50-100)(5-20)**Burst** (8-20)val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$ 1 1 61.8 10 1000000 2 3 95.3 10 1379.7 1089.7 2000000 2 3 75.4 10 1078.6 3000000 1 54.4 4 10 4000000 2 5 76.9 10 1769.1 5000000 6 3 88.6 10 1805.4 1127.4 6000000 7 2 1376.1 79.9 10 7000000 3 92.1 10 1644.9 1621.9 8 8000000 3 9 89.5 10 1617.5 1265.5 9000000 3 88.2 10 1449.8 1828.8 10 10000000 11 2 79.5 10 1091.5 11000000 2 12 70.2 10 937.8

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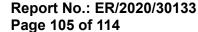




**Data Sheet for FCC** Radar Type 5 **Trial Number:** 21 VSG Frequency(MHz): 5524.546 11 **Number of Bursts in Trial: Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 2-to-3 Pulse 1-to-2 cation Width Width Pulses per Burst Spacing Spacing Within Inter-(50-100)(5-20)**Burst** (8-20)val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$ 1 3 84.4 9 936.6 1776.6 1090909 2 3 94.9 9 1720.1 1610.1 2181818 3 1 51.6 9 3272727 3 4 86.5 9 1178.5 1615.5 4363636 5 3 84.1 9 1109.9 1684.9 5454545 6 3 91.3 9 1244.7 1276.7 6545455 7 3 1570.7 1420.7 98.3 9 7636364 3 92 9 1040 1551 8 8727273 3 9 93.1 9 1065.9 1057.9 9818182 10 3 9 920.1 960.1 84.9 10909091 11 1 56.7 9

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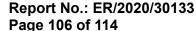
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Data Sheet f	or FCC Rad	lar Type 5				
Trial Number: 2		22		VSG Fre	eqency(MHz):	5523.746
Number of E	Bursts in Tria	l:	12	Success	ful Detection:	Yes
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val
	(1-3)	(µ sec)	(MHz)	(μ sec)	(µ sec)	(µ sec)
1	1	50.2	11			0
2	3	87.5	11	1201.5	1453.5	1000000
3	2	77.1	11	1564.9		2000000
4	2	73.2	11	1635.8		3000000
5	1	65	11			4000000
6	3	90	11	1511	951	5000000
7	3	94.5	11	1618.5	1322.5	6000000
8	1	59.4	11			7000000
9	3	97.1	11	1068.9	1619.9	8000000
10	1	56.7	11			9000000
11	1	51.2	11			10000000
12	1	56.6	11			11000000

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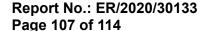




**Data Sheet for FCC** Radar Type 5 **Trial Number:** 23 VSG Frequency(MHz): 5521.346 **Number of Bursts in Trial:** 18 **Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 2-to-3 Pulse 1-to-2 cation Width Width Pulses per Burst Spacing Spacing Within Inter-(50-100)(5-20)**Burst** (8-20)val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$ 1 1 54.1 17 666667 2 2 74.7 17 1327.3 1333333 3 1 58.1 17 2000000 3 94.1 17 1797.9 4 1349.9 2666667 5 3 93.6 17 1722.4 907.4 3333333 6 2 69.7 17 1263.3 4000000 7 2 78.7 17 1034.3 4666667 3 85.4 17 1103.6 1024.6 8 5333333 3 9 83.8 17 1578.2 1869.2 6000000 10 3 17 955.4 1136.4 86.6 6666667 11 3 91.3 17 1848.7 1396.7 7333333 12 2 68.9 17 1585.1 8000000 3 1799.5 13 87.5 17 1225.5 8666667 2 77.3 17 922.7 14 9333333 2 17 15 67.5 982.5 10000000 3 88.2 17 937.8 1310.8 16 10666667 3 99.3 1241.7 1100.7 17 17 11333333 1 50.6 17 18

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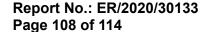




**Data Sheet for FCC** Radar Type 5 **Trial Number:** 24 VSG Frequency(MHz): 5523.746 **Number of Bursts in Trial:** 13 **Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 2-to-3 Pulse 1-to-2 cation Width Width Pulses per Burst Spacing Spacing Within Inter-(50-100)(5-20)**Burst** (8-20)val (1-3)(MHz)  $(\mu \sec)$  $(\mu \sec)$  $(\mu \text{ sec})$  $(\mu \text{ sec})$ 0 1 3 97.6 11 1559.4 1499.4 923077 2 1 54.6 11 1846154 2 3 77 11 1034 2769231 3 1825.4 4 88.6 11 1191.4 3692308 5 2 75.2 11 1185.8 4615385 6 2 66.9 11 1627.1 5538462 7 3 1507.1 99.9 11 1676.1 6461538 1 8 65.3 11 7384615 1 9 64.8 11 8307692 1 52 11 10 9230769 11 3 95.1 11 1858.9 1034.9 10153846 12 2 78.7 11 1843.3 11076923 2 11 13 82.4 1649.6

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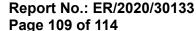
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Data Sheet f	or FCC Rad	Data Sheet for FCC Radar Type 5								
Trial Number:		25		VSG Freqency(MHz):		5525.346				
Number of E	Bursts in Tria	l:	10	Success	ful Detection:	Yes				
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val				
	(1-3)	(µ sec)	(MHz)	( $\mu$ sec)	(μ sec)	(μ sec)				
1	1	63.4	7			0				
2	2	83.2	7	965.8		1200000				
3	3	88.3	7	1683.7	1855.7	2400000				
4	3	97.6	7	1470.4	1610.4	3600000				
5	1	61.8	7			4800000				
6	2	76	7	1895		6000000				
7	3	97.2	7	1348.8	1165.8	7200000				
8	1	54.6	7			8400000				
9	2	72.2	7	989.8		9600000				
10	1	64.3	7			10800000				

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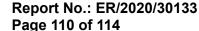




**Data Sheet for FCC** Radar Type 5 **Trial Number:** 26 VSG Frequency(MHz): 5521.746 17 **Number of Bursts in Trial: Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 2-to-3 Pulse 1-to-2 cation Width Width Pulses per Burst Spacing Spacing Within Inter-(50-100)(5-20)**Burst** (8-20)val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$ 1 3 99.5 16 994.5 974.5 705882 2 2 72.9 16 1356.1 1411765 3 1 63.6 16 2117647 3 96.3 4 16 1113.7 1535.7 2823529 5 1 58.2 16 3529412 6 3 16 1582.2 1284.2 85.8 4235294 7 3 1176.3 87.7 16 1317.3 4941176 2 72.5 16 8 1859.5 5647059 1 9 56.3 16 6352941 10 1 60.2 16 7058824 11 3 96.5 16 1708.5 1855.5 7764706 12 1 59.2 16 8470588 3 13 96.6 16 1162.4 1493.4 9176471 14 2 79.6 16 1758.4 9882353 1 16 15 65.5 10588235 3 99.5 1505.5 1114.5 16 16 11294118 17 3 91.2 16 1857.8 1598.8

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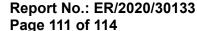


**Data Sheet for FCC** Radar Type 5 **Trial Number:** 27 VSG Frequency(MHz): 5520.146 **Number of Bursts in Trial:** 20 **Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 2-to-3 Pulse 1-to-2 cation Width Width Pulses per Burst Spacing Spacing Within Inter-(50-100)(5-20)**Burst** (8-20)val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$ 1040.7 1 3 94.3 20 1428.7 600000 2 2 78.3 20 1523.7 1200000 3 1 54.8 20 1800000 2 76.7 4 20 1230.3 2400000 5 3 90.4 20 1207.6 1379.6 3000000 6 1 20 55 3600000 7 1 20 54.1 4200000 2 77.8 20 1438.2 8 4800000 3 9 85.7 20 1038.3 1368.3 5400000 10 3 99.2 20 1718.8 1021.8 6000000 11 2 79.8 20 1166.2 6600000 12 1 55.7 20 7200000 1 20 13 62.1 7800000 14 1 52 20 8400000 3 96.1 20 1223.9 1706.9 15 9000000 2 75.3 20 1767.7 16 9600000 3 90.3 20 1744.7 1209.7 17 10200000 2 20 18 77.5 994.5 10800000 19 1 65.6 20 11400000 1 20 20 61.5

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**Data Sheet for FCC** Radar Type 5 **Trial Number:** 28 VSG Frequency(MHz): 5524.946 11 **Number of Bursts in Trial: Successful Detection:** Yes Starting Lo-**Pulse** Chirp Number Pulse 2-to-3 Pulse 1-to-2 cation Width Width Pulses per Burst Spacing Spacing Within Inter-(50-100)(5-20)**Burst** (8-20)val (1-3)(MHz)  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$  $(\mu \text{ sec})$ 2 1 70.7 8 1762.3 1090909 2 3 91.6 8 932.4 1100.4 2181818 2 3 79.5 8 1787.5 3272727 2 77.2 4 8 1483.8 4363636 5 2 79.6 8 1784.4 5454545 6 3 88.7 8 1149.3 1451.3 6545455 7 2 68.5 8 1033.5 7636364 3 86 8 1110 8 1011 8727273 1 9 54.1 8 9818182 10 3 8 1707.4 1091.4 86.6

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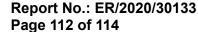
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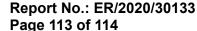




Data Sheet for FCC Radar Type 5											
Trial Numbe	r:	29	29		VSG Freqency(MHz):						
Number of B	Bursts in Trial	16		Successful Detection:		Yes					
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Lo- cation Within Inter- val					
		( μ sec)	(MHz)	(µ sec)	(μ sec)	(μ sec)					
1	2	82	15	1098		0					
2	1	62.3	15			750000					
3	3	84.9	15	1342.1	1590.1	1500000					
4	1	52.9	15			2250000					
5	2	76.4	15	1753.6		3000000					
6	2	67.4	15	1595.6		3750000					
7	3	87.7	15	1278.3	942.3	4500000					
8	1	59.1	15			5250000					
9	2	67.9	15	1011.1		6000000					
10	1	59.5	15			6750000					
11	2	68.4	15	1357.6		7500000					
12	2	72.6	15	1279.4		8250000					
13	3	86.6	15	1185.4	1272.4	9000000					
14	1	57.8	15			9750000					
15	2	66.8	15	1333.2		10500000					
16	3	94.3	15	1123.7	1023.7	11250000					

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**Data Sheet for FCC** Radar Type 5 **Trial Number:** 30 VSG Frequency(MHz): 5524.146 **Number of Bursts in Trial:** 12 **Successful Detection:** Yes Starting Lo-Chirp **Pulse** Number Pulse 2-to-3 Pulse 1-to-2 cation Width Width Pulses per Burst Spacing Spacing Within Inter-(50-100)(5-20)**Burst** (8-20)val (1-3)(MHz)  $(\mu \sec)$  $(\mu \sec)$  $(\mu \text{ sec})$  $(\mu \text{ sec})$ 1 1 58.1 10 1000000 2 1 50.3 10 2000000 3 3 84 10 977 1686 3000000 1 4 56.3 10 4000000 1 5 52 10 5000000 6 3 99.9 10 1584.1 1476.1 6000000 7 3 88 10 1857 1738 7000000 2 10 8 70.4 1073.6 8000000 1 9 52.6 10 9000000 10 3 10 1825.2 1753.2 98.8 10000000 11 2 77.6 10 1623.4 11000000 12 3 97.1 10 1378.9 1605.9

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### Radar Type 6 for 5510 MHz:

Data Sheet for FCC Radar Type 6

Trial	VSG Freqency (MHz)	Pulses per Hop	Hopping Sequence Length	Hopping Rate	Pulse Width	PRI	Successful Detection				
			(msec)	(kHz)	( μ sec)	( μ sec)	(Yes/No)				
1	5510	9	300	0.333	1	333	Yes				
2	5510	9	300	0.333	1	333	Yes				
3	5510	9	300	0.333	1	333	Yes				
4	5510	9	300	0.333	1	333	Yes				
5	5510	9	300	0.333	1	333	Yes				
6	5510	9	300	0.333	1	333	Yes				
7	5510	9	300	0.333	1	333	Yes				
8	5510	9	300	0.333	1	333	Yes				
9	5510	9	300	0.333	1	333	Yes				
10	5510	9	300	0.333	1	333	Yes				
11	5510	9	300	0.333	1	333	Yes				
12	5510	9	300	0.333	1	333	Yes				
13	5510	9	300	0.333	1	333	Yes				
14	5510	9	300	0.333	1	333	Yes				
15	5510	9	300	0.333	1	333	Yes				
16	5510	9	300	0.333	1	333	Yes				
17	5510	9	300	0.333	1	333	Yes				
18	5510	9	300	0.333	1	333	Yes				
19	5510	9	300	0.333	1	333	Yes				
20	5510	9	300	0.333	1	333	Yes				
21	5510	9	300	0.333	1	333	Yes				
22	5510	9	300	0.333	1	333	Yes				
23	5510	9	300	0.333	1	333	Yes				
24	5510	9	300	0.333	1	333	Yes				
25	5510	9	300	0.333	1	333	Yes				
26	5510	9	300	0.333	1	333	Yes				
27	5510	9	300	0.333	1	333	Yes				
28	5510	9	300	0.333	1	333	Yes				
29	5510	9	300	0.333	1	333	Yes				
30	5510	9	300	0.333	1	333	Yes				

## ~End of Report~

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