DFS MEASUREMENT REPORT

FCC ID:	VW3FAST5689E
Applicant:	SAGEMCOM BROADBAND SAS
Product:	Giga Hub
Model No.:	FAST 5689E
Brand Name:	SAGEMCOM
FCC Classification:	Unlicensed National Information Infrastructure (NII)
FCC Rule Part(s):	Part 15 Subpart E (Section 15.407)
Test Date:	January 12 ~ February 28, 2022

Reviewed By: Sunny Sun

Approved By: Robin Wu

Revision History

Report No.	Version	Description	Issue Date	Note
2201RSU021-U7	Rev. 01	Initial Report	03-30-2022	Valid
2201RSU021-U7	Rev. 02	Added the Directional Gain Calculation	05-29-2022	Valid

CONTENTS

1. General Information

1.1. Applicant

SAGEMCOM BROADBAND SAS

250 Route de l'Empereur - 92848 RUEIL MALMAISON CEDEX- FRANCE

1.2. Manufacturer

SAGEMCOM BROADBAND SAS

250 Route de l'Empereur - 92848 RUEIL MALMAISON CEDEX- FRANCE

1.3. Testing Facility

☒	**Test Site – MRT Suzhou Laboratory**				
	Laboratory Location (Suzhou - Wuzhong)				
	D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China				
	Laboratory Location (Suzhou - SIP)				
	4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China				
	Laboratory Accreditations				
	A2LA: 3628.01		CNAS: L10551		
	FCC: CN1166		ISED: CN0001		
	VCCI:	☐R-20025	☐G-20034	☐C-20020	☐T-20020
		☐R-20141	☐G-20134	☐C-20103	☐T-20104
☐	**Test Site – MRT Shenzhen Laboratory**				
	Laboratory Location (Shenzhen)				
	1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China				
	Laboratory Accreditations				
	A2LA: 3628.02		CNAS: L10551		
	FCC: CN1284		ISED: CN0105		
☐	**Test Site – MRT Taiwan Laboratory**				
	Laboratory Location (Taiwan)				
	No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)				
	Laboratory Accreditations				
	TAF: L3261-190725				
	FCC: 291082, TW3261		ISED: TW3261		

1.4. Product Information

Product Name	Giga Hub
Model No.	FAST 5689E
EUT Identification No.	20220107Sample#17 20220223Sample#02
Wi-Fi Specification	802.11b/g/n/ac/ax
Zigbee Specification	802.15.4
Z-Wave Specification	800 ~ 900MHz radio frequency range
Antenna Information	Refer to Section 1.7
Power Type	AC Adapter
Operating Environment	Indoor Use
Accessories	
Adapter 1#	Model No.: NBS60E120500M2 Input: 100-127V, 50/60Hz, 1.5A Output: 12.0V⎓5.0A
Adapter 2#	Model No.: MS-Z5000R120-060C0-P Input: 100-127V, 50/60Hz, 1.5A Output: 12.0V⎓5.0A
Adapter 3#	Model No.: ADS-65HI-12A-2 12060E-L Input: 100-127V, 50/60Hz, 1.5A Output: 12.0V⎓5.0A
Remark: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

1.5. Radio Specification

Frequency Range	For 802.11a/n-HT20/ac-VHT20/ax-HE20: 5260 ~ 5320 MHz, 5500 ~ 5580 MHz, 5660 ~ 5720 MHz For 802.11n-HT40/ac-VHT40/ax-HE40: 5270 ~ 5310 MHz, 5510 ~ 5550 MHz, 5670 ~ 5710 MHz For 802.11ac-VHT80/ax-HE80: 5290MHz, 5530MHz, 5690MHz For 802.11ac-VHT160/ax-HE160: 5250MHz
Type of Modulation	802.11a/n/ac: OFDM 802.11ax: OFDMA
Data Rate	802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 600Mbps 802.11ac: up to 3466.7Mbps 802.11ax: up to 4804Mbps
Power-on cycle	Requires 69.2 seconds to complete its power-on cycle
Uniform Spreading (For DFS Frequency Band)	For the 5250-5350MHz, 5470-5725 MHz bands, the Master device provides, on aggregate, uniform loading of the spectrum across all devices by selecting an operating channel among the available channels using a random algorithm.
Remark: 1. For other features of this EUT, test report will be issued separately; 2. This device doesn't support 5600 ~ 5650MHz.	

1.6. Working Frequencies

802.11a/n-HT20/ac-VHT20/ax-HE20

Channel	Frequency	Channel	Frequency	Channel	Frequency
52	5260 MHz	56	5280 MHz	60	5300 MHz
64	5320 MHz	100	5500 MHz	104	5520 MHz
108	5540 MHz	112	5560 MHz	116	5580 MHz
132	5660 MHz	136	5680 MHz	140	5700 MHz
144	5720 MHz	--	--	--	--

802.11n-HT40/ac-VHT40/ax-HE40

Channel	Frequency	Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz	102	5510 MHz
110	5550 MHz	134	5670 MHz	142	5710 MHz

802.11ac-VHT80/ax-HE80

Channel	Frequency	Channel	Frequency	Channel	Frequency
58	5290 MHz	106	5530 MHz	138	5690 MHz

802.11ac-VHT160/ax-HE160

Channel	Frequency	Channel	Frequency	Channel	Frequency
50	5250 MHz	--	--	--	--

1.7. Antenna Details

Antenna Type	Frequency Band (GHz)	Antenna Gain (dBi)				Directional Gain (dBi)	
		Ant 0	Ant 1	Ant 2	Ant 3	For Power	For PSD
Wi-Fi Antenna (4*4 MIMO)							
PIFA & Dipole	2.4 ~ 2.5	2.79	2.38	2.95	1.91	2.95	6.40
	5.15 ~ 5.25	3.37	4.41	3.51	3.53	4.41	6.46
	5.25 ~ 5.35	4.87	3.61	3.02	3.25	4.87	6.45
	5.47 ~ 5.725	4.73	4.07	3.46	3.88	4.73	6.76
	5.725 ~ 5.85	4.89	4.53	3.46	3.25	4.89	6.90
	5.925 ~ 7.125	4.13	3.18	4.51	4.83	4.83	7.03
ZigBee Antenna							
Dipole	2.4 ~ 2.5	2.98					
Z-Wave Antenna							
Dipole	0.9 ~ 1	-0.34					

Note 1: The antenna gain and directional gain refer to manufacturer's antenna specification.

Note 2: Software automatically backs power down based on a 10log(N) factor for beamforming operation.

Note 3: The EUT supports Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.

- For power measurements: Array Gain = 0 dB for $N_{ANT} \leq 4$, the directional gain = max antenna gain + array gain
- For power density measurements: the max directional gain (each angle) = $10*\log[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2/N_{ANT}]$dBi.

2. Test Configuration

2.1. Test Mode

Mode 1: Operating under AP mode

2.2. Test Channel

Test Mode	Test Channel	Test Frequency
802.11ax-HE20	100	5500 MHz
802.11ax-HE40	102	5510 MHz
802.11ax-HE80	106	5530 MHz
802.11ax-HE160	50	5250 MHz

2.3. Applied Standards

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

- FCC Part 15.407 Section (h)(2)
- KDB 905462 D02v02
- KDB 905462 D04v01

2.4. Test Environment Condition

Ambient Temperature	15 ~ 35°C
Relative Humidity	20 ~ 75%RH

3. DFS Detection Thresholds and Radar Test Waveforms

3.1. Applicability

The following table from FCC KDB 905462 D02 NII DFS Compliance Procedures New Rules v02 lists the applicable requirements for the DFS testing.

Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 3-1: Applicability of DFS Requirements Prior to Use of a Channel

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

Additional requirements for devices with multiple bandwidth modes	Master Device or Client with Radar Detection	Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check 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 3-2: Applicability of DFS Requirements during normal operation

3.2. DFS Devices Requirements

Per FCC KDB 905462 D02 NII DFS Compliance Procedures New Rules v02 the following are the requirements for Master Devices:

(a) The Master Device will use DFS in order to detect Radar Waveforms with received signal strength above the DFS Detection Threshold in the 5250 ~ 5350 MHz and 5470 ~ 5725 MHz bands. DFS is not required in the 5150 ~ 5250 MHz or 5725 ~ 5825 MHz bands.

(b) Before initiating a network on a Channel, the Master Device will perform a Channel Availability Check for a specified time duration (Channel Availability Check Time) to ensure that there is no radar system operating on the Channel, using DFS described under subsection a) above.

(c) The Master Device initiates a U-NII network by transmitting control signals that will enable other U-NII devices to Associate with the Master Device.

(d) During normal operation, the Master Device will monitor the Channel (In-Service Monitoring) to ensure that there is no radar system operating on the Channel, using DFS described under a).

(e) If the Master Device has detected a Radar Waveform during In-Service Monitoring as described under d), the Operating Channel of the U-NII network is no longer an Available Channel. The Master Device will instruct all associated Client Device(s) to stop transmitting on this Channel within the Channel Move Time. The transmissions during the Channel Move Time will be limited to the Channel Closing Transmission Time.

(f) Once the Master Device has detected a Radar Waveform it will not utilize the Channel for the duration of the Non-Occupancy Period.

(g) If the Master Device delegates the In-Service Monitoring to a Client Device, then the combination will be tested to the requirements described under d) through f) above.

Channel Move Time and Channel Closing Transmission Time requirements are listed in the following table.

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.

Table 3-3: DFS Response Requirements

3.3. DFS Detection Threshold Values

The DFS detection thresholds are defined for Master devices and Client Devices with In-service monitoring.

These detection thresholds are listed in the following table.

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.	

Table 3-4: Detection Thresholds for Master Devices and Client Devices with Radar Detection

3.4. Parameters of DFS Test Signals

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 3-6	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{\text{PRI}_{\text{usec}}}\right)\right\}$	60%	30
		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			
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: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

Table 3-5: Parameters for Short Pulse Radar Waveforms

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms.

Pulse Repetition Frequency Number	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)
1	1930.5	518
2	1858.7	538
3	1792.1	558
4	1730.1	578
5	1672.2	598
6	1618.1	618
7	1567.4	638
8	1519.8	658
9	1474.9	678
10	1432.7	698
11	1392.8	718
12	1355	738
13	1319.3	758
14	1285.3	778
15	1253.1	798
16	1222.5	818
17	1193.3	838
18	1165.6	858
19	1139	878
20	1113.6	898
21	1089.3	918
22	1066.1	938
23	326.2	3066

Table 3-6: Pulse Repetition Intervals Values for Test A

Long Pulse Radar Test Waveform

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

Table 3-7: Parameters for Long Pulse Radar Waveforms

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

Frequency Hopping Radar Test Waveform

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

Table 3-8: Parameters for Frequency Hopping Radar Waveforms

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

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

3.5. Conducted Test Setup

The FCC KDB 905462 D02 NII DFS Compliance Procedures New Rules v02 describes a radiated test setup and a conducted test setup. The conducted test setup was used for this testing. Figure 3-1 shows the typical test setup.

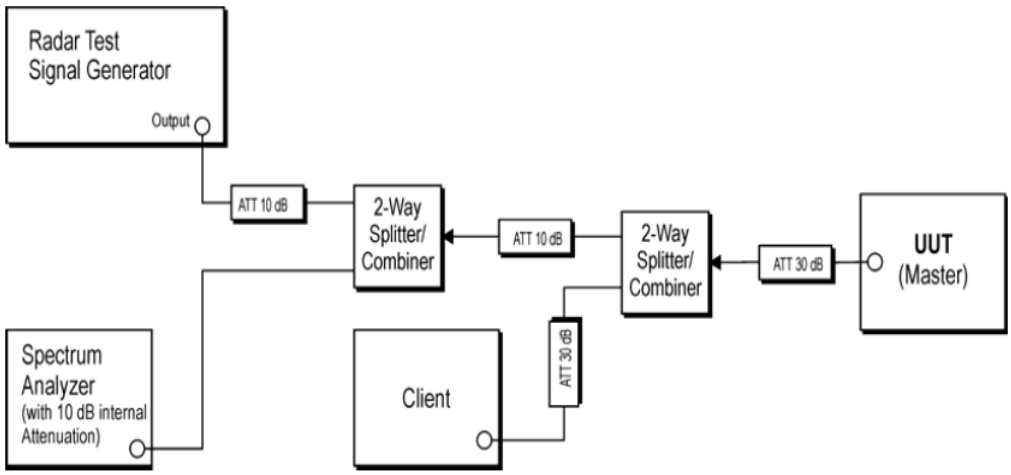


Figure 3-1: Conducted Test Setup where UUT is a Master and Radar Test Waveforms are injected into the Masters

4. Measuring Instrument

No.	Instrument	Manufacturer	Model No.	Asset No.	Last Cali. Date	Cali. Due Date	Test Site
1	Signal Analyzer	R&S	FSV40	MRTSUE06218	1 year	2022/4/13	WZ-SR4
2	Thermohygrometer	testo	608-H1	MRTSUE06222	1 year	2022/10/10	WZ-SR4
3	Signal Generator	R&S	SMBV100A	MRTSUE06279	1 year	2022/4/13	WZ-SR4
4	Shielding Room	HUAMING	WZ-SR4	MRTSUE06441	/	/	WZ-SR4
5	Signal Analyzer	Keysight	N9010B	MRTSUE06558	1 year	2022/6/24	WZ-SR4
6	Signal Analyzer	R&S	FSV40	MRTSUE06990	1 year	2022/10/12	WZ-SR4

Client Information

Instrument	Manufacturer	Type No.	Certification Number
Wi-Fi Module	Intel	AX200NGW	FCC ID: PD9AX200NG

Software	Version	Manufacturer	Function
Pulse Building	N/A	Agilent	Radar Signal Generation Software
DFS Tool	V 6.9.2	Agilent	DFS Test Software
R&S Pulse Sequencer DFS	V 2.0	R&S	DFS Test Software
DFS Tool	V2.2.0.0	Keysight	DFS Test Software

5. Test Result

5.1. Summary

Parameter	Verdict	Reference
NII Detection Bandwidth Measurement	Pass	Section 5.3
Initial Channel Availability Check Time	Pass	Section 5.4
Radar Burst at the Beginning of the Channel Availability Check Time	Pass	Section 5.5
Radar Burst at the End of the Channel Availability Check Time	Pass	Section 5.6
In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time	Pass	Section 5.7
Non-Occupancy Period	Pass	Section 5.7
Statistical Performance Check	Pass	Section 5.8

5.2. Radar Waveform Calibration Measurement

5.2.1. Calibration Setup

The conducted test setup was used for this calibration testing. Figure 3-2 shows the typical test setup.

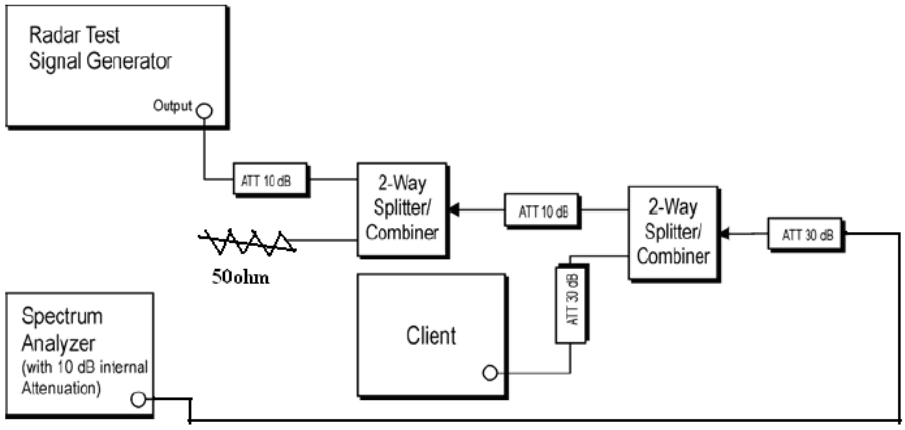


Figure 3-2: Conducted Test Setup

5.2.2. Calibration Procedure

The Interference Radar Detection Threshold Level is (-64dBm) + (0) [dBi] + 1 dB= -63 dBm that had been taken into account the output power range and antenna gain. The above equipment setup was used to calibrate the conducted Radar Waveform. A vector signal generator was utilized to establish the test signal level for each radar type. During this process there were replace 50ohm terminal form Master and Client device and no transmissions by either the Master or Client Device. The spectrum analyzer was switched to the zero span (Time Domain) at the frequency of the Radar Waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to at least 3MHz. The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was (-64dBm) + (0) [dBi] + 1 dB= -63dBm. Capture the spectrum analyzer plots on short pulse radar types, long pulse radar type and hopping radar waveform.

5.2.3. Calibration & Channel Loading Result

Refer to Appendix A.1.

5.3. NII Detection Bandwidth Measurement

5.3.1. Test Limit

Minimum 100% of the NII 99% transmission power bandwidth. During the U-NII Detection Bandwidth detection test, each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

5.3.2. Test Procedure

1. Adjust the equipment to produce a single Burst of any one of the Short Pulse Radar Types 0-4 in Table 3-5 at the center frequency of the EUT Operating Channel at the specified DFS Detection Threshold level.
2. The generating equipment is configured as shown in the Conducted Test Setup above section 3.5.
3. The EUT is set up as a stand-alone device (no associated Client or Master, as appropriate) and no traffic. Frame based systems will be set to a talk/listen ratio reflecting the worst case (maximum) that is user configurable during this test.
4. Generate a single radar Burst, and note the response of the EUT. Repeat for a minimum of 10 trials. The EUT must detect the Radar Waveform using the specified U-NII Detection Bandwidth criterion shown in Table 3-5. In cases where the channel bandwidth may exceed past the DFS band edge on specific channels (i.e., 802.11ac or wideband frame based systems) select a channel that has the entire emission bandwidth within the DFS band. If this is not possible, test the detection BW to the DFS band edge.
5. Starting at the center frequency of the UUT operating Channel, increase the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion specified in Table 3-3. Repeat this measurement in 1MHz steps at frequencies 5 MHz below where the detection rate begins to fall. Record the highest frequency (denote as FH) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies above FH is not required to demonstrate compliance.
6. Starting at the center frequency of the EUT operating Channel, decrease the radar frequency in 1 MHz steps, repeating the above item 4 test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion. Record the lowest frequency (denote as FL) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies below FL is not required to demonstrate compliance.
7. The U-NII Detection Bandwidth is calculated as follows: U-NII Detection Bandwidth = FH – FL
8. The U-NII Detection Bandwidth must be at least 100% of the EUT transmitter 99% power, otherwise, the

EUT does not comply with DFS requirements.

5.3.3. Test Result

Refer to Appendix A.2.

5.4. Initial Channel Availability Check Time Measurement

5.4.1. Test Limit

The EUT shall perform a Channel Availability Check to ensure that there is no radar operating on the channel. After power-up sequence, receive at least 1 minute on the intended operating frequency.

5.4.2. Test Procedure

1. The U-NII devices will be powered on and be instructed to operate on the appropriate U-NII Channel that must incorporate DFS functions. At the same time the EUT is powered on, the spectrum analyzer will be set to zero span mode with a 3 MHz RBW and 3 MHz VBW on the Channel occupied by the radar (Chr) with a 2.5 minute sweep time. The spectrum analyzer's sweep will be started at the same time power is applied to the U-NII device.
2. The EUT should not transmit any beacon or data transmissions until at least 1 minute after the completion of the power-on cycle.
3. Confirm that the EUT initiates transmission on the channel. Measurement system showing its nominal noise floor is marker1.

5.4.3. Test Result

Refer to Appendix A.3.

5.5. Radar Burst at the Beginning of the Channel Availability Check Time Measurement

5.5.1. Test Limit

In beginning of the Channel Availability Check (CAC) Time, radar is detected on this channel, select another intended channel and perform a CAC on that channel.

5.5.2. Test Procedure

1. The steps below define the procedure to verify successful radar detection on the selected Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1 dB occurs at the beginning of the Channel Availability Check Time.
2. The EUT is in completion power-up cycle (from T0 to T1). T1 denotes the instant when the EUT has completed its power-up sequence. The Channel Availability Check Time commences at instant T1 and will end no sooner than T1 + 60 seconds. A single Burst of one of Short Pulse Radar Types 0-4 at DFS Detection Threshold + 1 dB will commence within a 6 second window starting at T1.
3. Visual indication on the EUT of successful detection of the radar Burst will be recorded and reported. Observation of emissions will continue for 2.5 minutes after the radar Burst has been generated. Verify that during the 2.5 minutes measurement window no EUT transmissions occurred.

5.5.3. Test Result

Refer to Appendix A.4.

5.6. Radar Burst at the End of the Channel Availability Check Time Measurement

5.6.1. Test Limit

In the end of Channel Availability Check (CAC) Time, radar is detected on this channel, select another intended channel and perform a CAC on that channel.

5.6.2. Test Procedure

1. The steps below define the procedure to verify successful radar detection on the selected Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1 dB occurs at the beginning of the Channel Availability Check Time.
2. The EUT is powered on at T0. T1 denotes the instant when the EUT has completed its power-up sequence. The Channel Availability Check Time commences at instant T1 and will end no sooner thanT1 + 60 seconds. A single Burst of one of Short Pulse Radar Types 0-4 at DFS Detection Threshold + 1 dB will commence within a 6 second window starting at T1+ 54 seconds.
3. Visual indication on the EUT of successful detection of the radar Burst will be recorded and reported. Observation of emissions will continue for 2.5 minutes after the radar Burst has been generated. Verify that during the 2.5 minutes measurement window no EUT transmissions occurred.

5.6.3. Test Result

Refer to Appendix A.5.

5.7. In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period Measurement

5.7.1. Test Limit

The EUT has In-Service Monitoring function to continuously monitor the radar signals. If the radar is detected, must leave the channel (Shutdown). The Channel Move Time to cease all transmissions on the current channel upon detection of a Radar Waveform above the DFS Detection Threshold within 10 sec. The total duration of Channel Closing Transmission Time is 260ms, consisting of data signals and the aggregate of control signals, by a U-NII device during the Channel Move Time. The Non-Occupancy Period time is 30 minute during which a Channel will not be utilized after a Radar Waveform is detected on that Channel.

5.7.2. Test Procedure

1. The test should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0.
2. When the radar burst with a level equal to the DFS Detection Threshold + 1dB is generated on the Operating Channel of the U-NII device. A U-NII device operating as a Master Device will associate with the Client Device at Channel. Stream the MPEG test file from the Master Device to the Client Device on the selected Channel for the entire period of the test. At time T0 the Radar Waveform generator sends a Burst of pulses for each of the radar types at Detection Threshold + 1dB.
3. Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the EUT during the observation time (Channel Move Time).
4. Measurement of the aggregate duration of the Channel Closing Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (1.5ms) = S (12 sec) / B (8000); where Dwell is the dwell time per spectrum analyzer sampling bin, S is the sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: C = N X Dwell; where C is the Closing Time, N is the number of spectrum analyzer sampling bins showing a U-NII transmission and Dwell is the dwell time per bin.
5. Measure the EUT for more than 30 minutes following the channel close/move time to verify that the EUT does not resume any transmissions on this Channel.

5.7.3. Test Result

Refer to Appendix A.6.

5.8. Statistical Performance Check Measurement

5.8.1. Test Limit

The minimum percentage of successful detection requirements found in below table when a radar burst with a level equal to the DFS Detection Threshold + 1dB is generated on the Operating Channel of the U-NII device (In- Service Monitoring).

Radar Type	Minimum Number of Trails	Detection Probability
0	30	Pd > 60%
1	30(15 of test A and 15 of test B)	Pd > 60%
2	30	Pd > 60%
3	30	Pd > 60%
4	30	Pd > 60%
Aggregate (Radar Types 1-4)	120	Pd > 80%
5	30	Pd > 80%
6	30	Pd > 70%
Note: The percentage of successful detection is calculated by: (Total Waveform Detections / Total Waveform Trails) * 100 = Probability of Detection Radar Waveform In addition an aggregate minimum percentage of successful detection across all Short Pulse Radar Types 1-4 is required and is calculated as follows: (Pd1 + Pd2 + Pd3 + Pd4) / 4.		

5.8.2. Test Procedure

1. Stream the MPEG test file from the Master Device to the Client Device on the test Channel for the entire period of the test.
2. At time T0 the Radar Waveform generator sends the individual waveform for each of the Radar Types 1-6, at levels equal to the DFS Detection Threshold + 1dB, on the Operating Channel.
3. Observe the transmissions of the EUT at the end of the Burst on the Operating Channel for duration greater than 10 seconds for Short Pulse Radar Types 0 to ensure detection occurs.
4. Observe the transmissions of the EUT at the end of the Burst on the Operating Channel for duration greater than 22 seconds for Long Pulse Radar Type 5 to ensure detection occurs.
5. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs.
6. The Minimum number of trails, minimum percentage of successful detection and the average minimum percentage of successful detection are found in below table

5.8.3. Test Result

Refer to Appendix A.7.

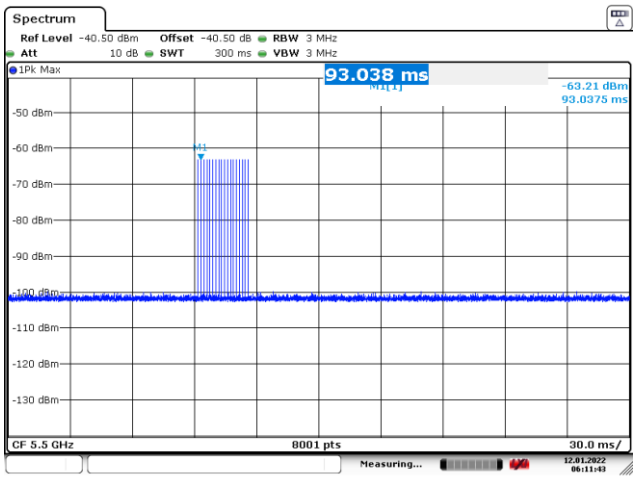
Appendix A – Test Result

A.1 Calibration Test Result

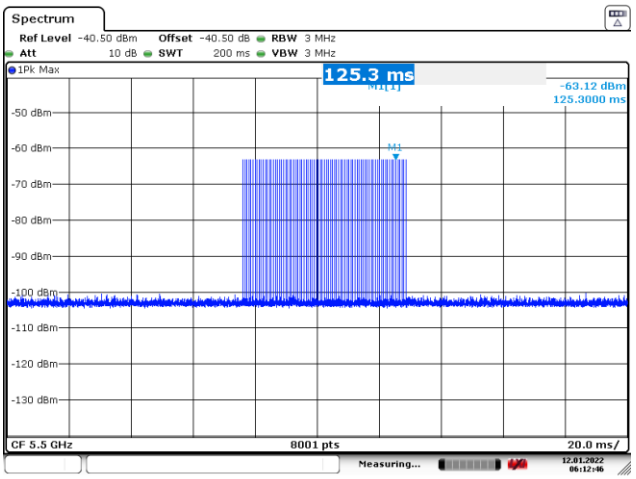
Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/01/12	Test Item	Radar Waveform Calibration

Radar Waveform Calibration

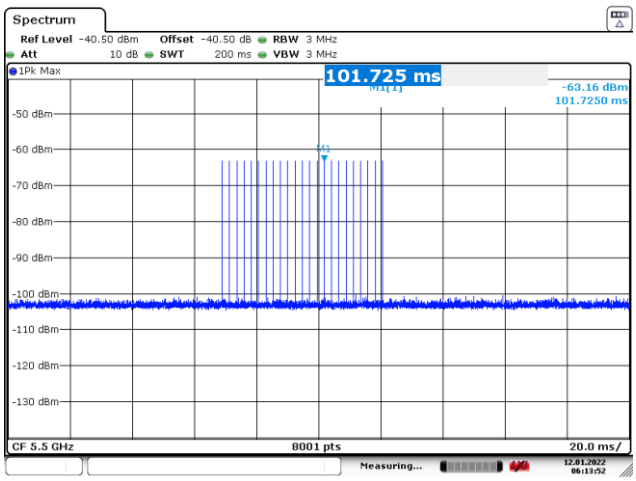
Radar #0



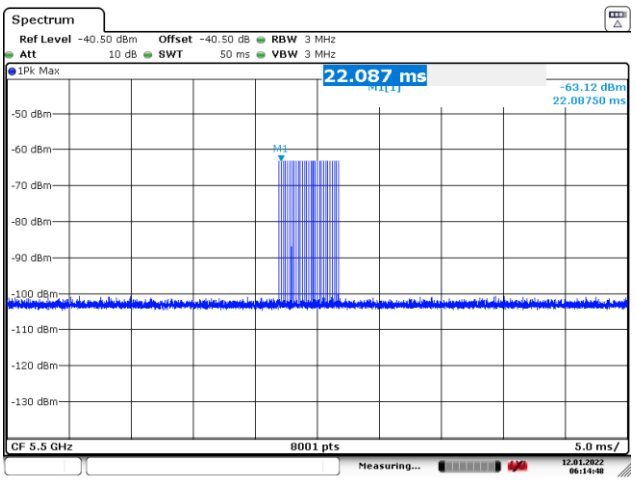
Radar #1A

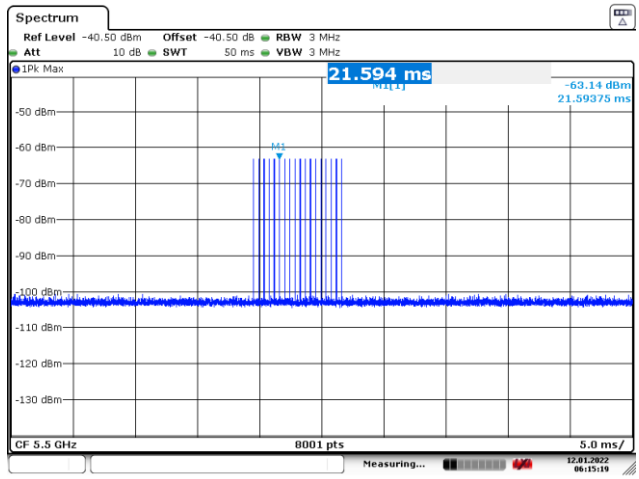
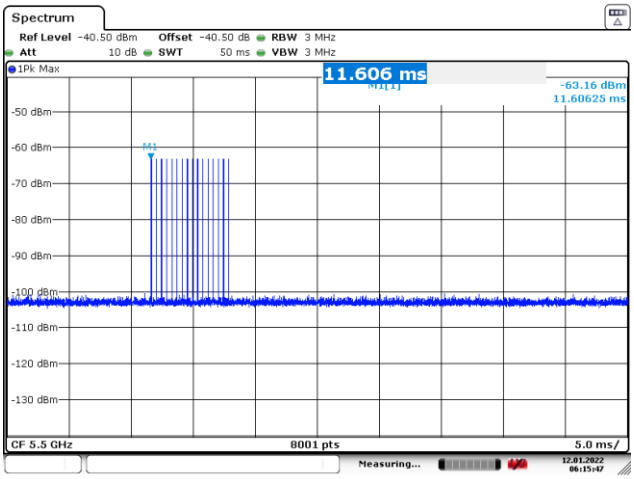
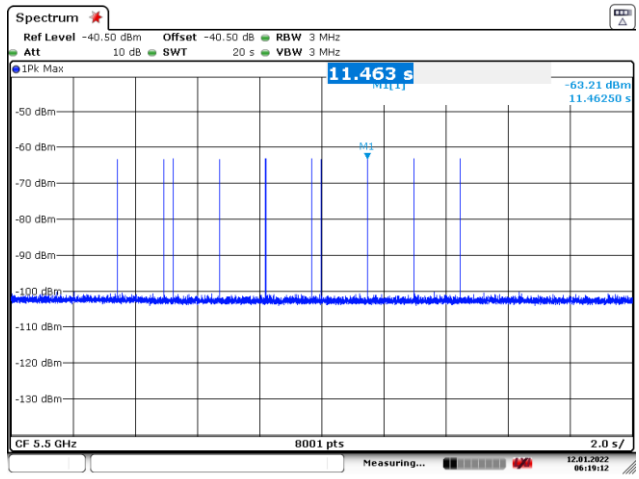
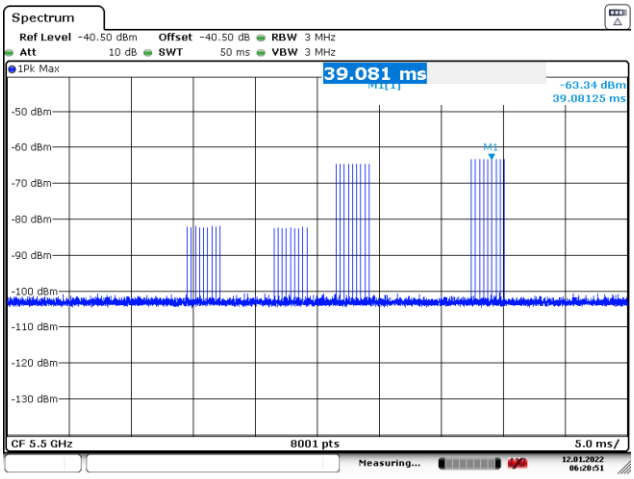


Radar #1B



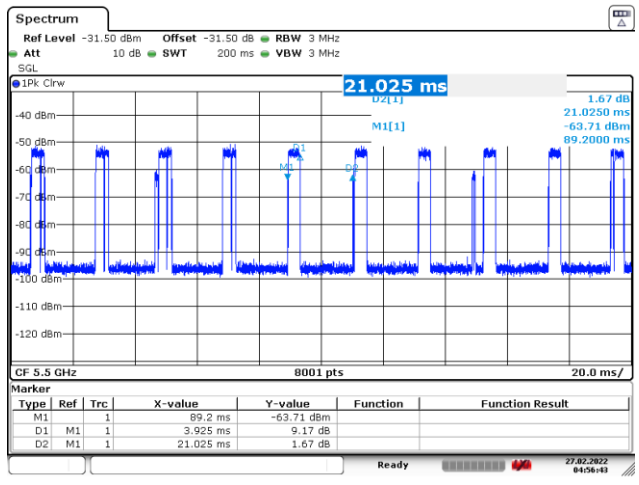
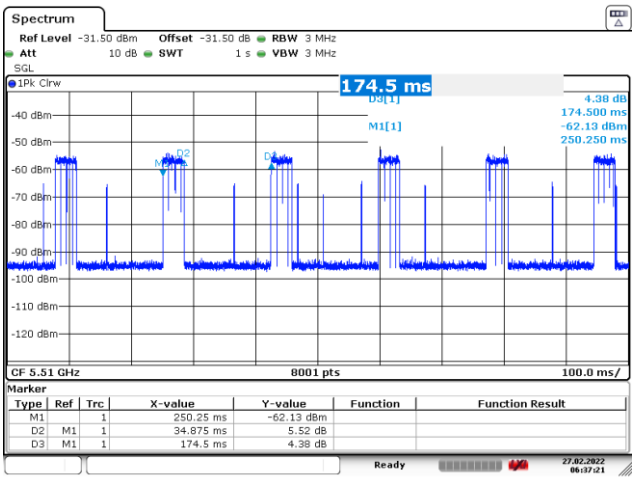
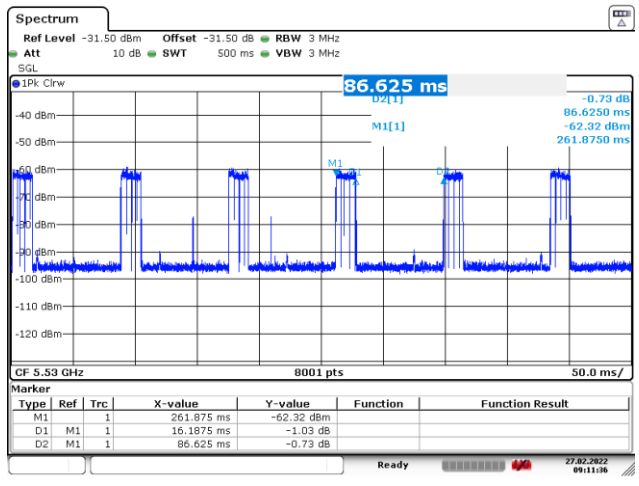
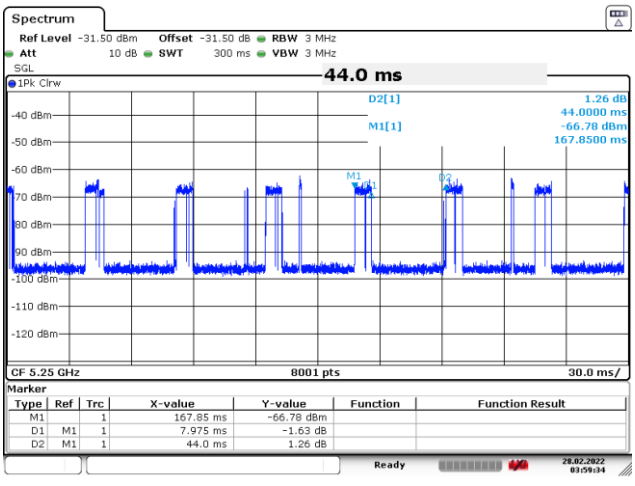
Radar 2



Radar #3	Radar #4
	
Radar #5	Radar #6
	

A.2 Channel Loading Test Result

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/02/27~02/28	Test Item	Channel Loading

802.11ax-HE20 (5500MHz)	802.11ax-HE40 (5510MHz)
	
802.11ax-HE80 (5530MHz)	802.11ax-HE160 (5250MHz)
	

Test Mode	Test Frequency	Packet ratio	Requirement ratio	Test Result
802.11ax-HE20	5500 MHz	18.67%	≥ 17%	Pass
802.11ax-HE40	5510 MHz	19.99%	≥ 17%	Pass
802.11ax-HE80	5530 MHz	18.69%	≥ 17%	Pass
802.11ax-HE160	5250 MHz	18.13%	≥ 17%	Pass
Note: System testing was performed with the designated iperf test file. This file is used by IP and Frame based systems for loading the test channel during the In-service compliance testing of the U-NII device. Packet ratio = Time On / (Time On + Off Time).				

A.3 NII Detection Bandwidth Test Result

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/02/28		
Test Item	Detection Bandwidth (802.11ax-HE20 mode - 5500MHz)		

Radar Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										
	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5489	0	0	0	0	0	0	0	0	0	0	0
5490 FL	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 FH	1	1	1	1	1	1	1	1	1	1	100
5511	0	0	0	0	0	0	0	0	0	0	0

Note 1: All NII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5500MHz. The 99% channel bandwidth is 19.19MHz. (See the 99% BW section of the RF report for further measurement details).

Note 2: Detection Bandwidth = FH - FL = 5510MHz – 5490MHz = 20MHz

Note 3: NII Detection Bandwidth Min. Limit (MHz): 19.19MHz x 100% = 19.19MHz.

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/02/28		
Test Item	Detection Bandwidth (802.11ax-HE40 mode - 5510MHz)		

Radar Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										
	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5489	0	0	0	0	0	0	0	0	0	0	0
5490 FL	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 FH	1	1	1	1	1	1	1	1	1	1	100
5531	0	0	0	0	0	0	0	0	0	0	0

Note 1: All NII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5510MHz. The 99% channel bandwidth is 37.86MHz. (See the 99% BW section of the RF report for further measurement details).

Note 2: Detection Bandwidth = FH - FL = 5530MHz - 5490MHz = 40MHz.

Note 3: NII Detection Bandwidth Min. Limit (MHz): 37.86MHz x 100% = 37.86MHz.

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/02/28		
Test Item	Detection Bandwidth (802.11ax-HE80 mode - 5530MHz)		

Radar Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										
	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5489	0	0	0	0	0	0	0	0	0	0	0
5490 FL	1	1	1	1	1	1	1	1	1	1	100
5495	1	1	1	1	1	1	1	1	1	1	100
5500	1	1	1	1	1	1	1	1	1	1	100
5505	1	1	1	1	1	1	1	1	1	1	100
5510	1	1	1	1	1	1	1	1	1	1	100
5515	1	1	1	1	1	1	1	1	1	1	100
5520	1	1	1	1	1	1	1	1	1	1	100
5525	1	1	1	1	1	1	1	1	1	1	100
5530	1	1	1	1	1	1	1	1	1	1	100
5535	1	1	1	1	1	1	1	1	1	1	100
5540	1	1	1	1	1	1	1	1	1	1	100
5545	1	1	1	1	1	1	1	1	1	1	100
5550	1	1	1	1	1	1	1	1	1	1	100
5555	1	1	1	1	1	1	1	1	1	1	100
5560	1	1	1	1	1	1	1	1	1	1	100
5565	1	1	1	1	1	1	1	1	1	1	100
5570 FH	1	1	1	1	1	1	1	1	1	1	100
5571	0	0	0	0	0	0	0	0	0	0	0

Note 1: All NII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5530MHz. The 99% channel bandwidth is 77.53MHz. (See the 99% BW section of the RF report for further measurement details).

Note 2: Detection Bandwidth = FH - FL = 5570MHz - 5490MHz = 80MHz.

Note 3: NII Detection Bandwidth Min. Limit (MHz): 77.53MHz x 100% = 77.53MHz.

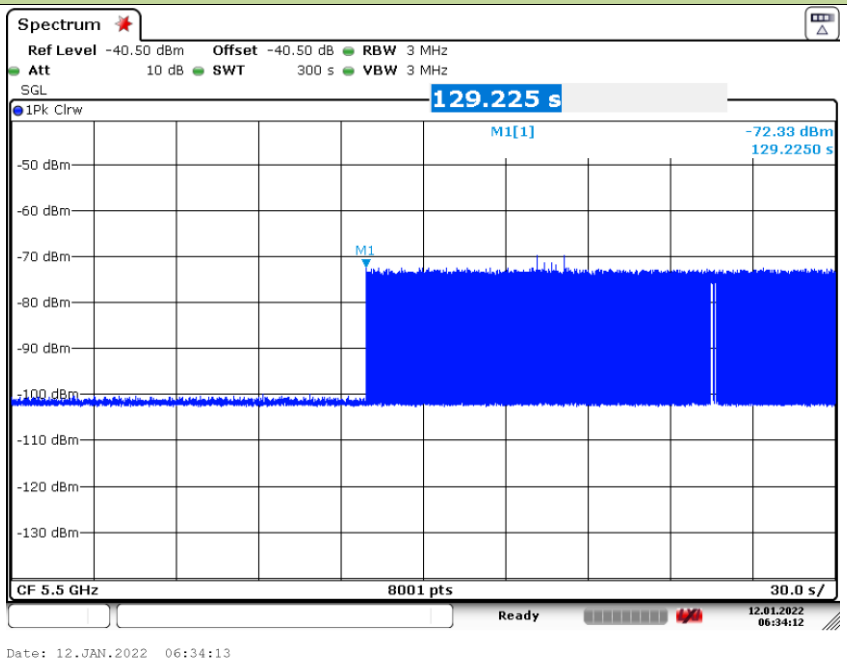
Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/02/28		
Test Item	Detection Bandwidth (802.11ax-HE160 mode - 5250MHz)		

Radar Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										
	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5249	0	0	0	0	0	0	0	0	0	0	0
5250 FL	1	1	1	1	1	1	1	1	1	1	100
5255	1	1	1	1	1	1	1	1	1	1	100
5260	1	1	1	1	1	1	1	1	1	1	100
5265	1	1	1	1	1	1	1	1	1	1	100
5270	1	1	1	1	1	1	1	1	1	1	100
5275	1	1	1	1	1	1	1	1	1	1	100
5280	1	1	1	1	1	1	1	1	1	1	100
5285	1	1	1	1	1	1	1	1	1	1	100
5290	1	1	1	1	1	1	1	1	1	1	100
5295	1	1	1	1	1	1	1	1	1	1	100
5300	1	1	1	1	1	1	1	1	1	1	100
5305	1	1	1	1	1	1	1	1	1	1	100
5310	1	1	1	1	1	1	1	1	1	1	100
5315	1	1	1	1	1	1	1	1	1	1	100
5320	1	1	1	1	1	1	1	1	1	1	100
5325	1	1	1	1	1	1	1	1	1	1	100
5330 FH	1	1	1	1	1	1	1	1	1	1	100
5331	0	0	0	0	0	0	0	0	0	0	0

Note 1: All NII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5250MHz. The 99% channel bandwidth within U-NII Band-2A is 78.09MHz (99% BW / 2 = 156.17MHz / 2 = 78.09MHz). (See the 99% BW section of the RF report for further measurement details).
Note 2: Detection Bandwidth = FH - FL = 5330MHz - 5250MHz = 80MHz.
Note 3: NII Detection Bandwidth Min. Limit (MHz): 78.09MHz x 100% = 78.09MHz.

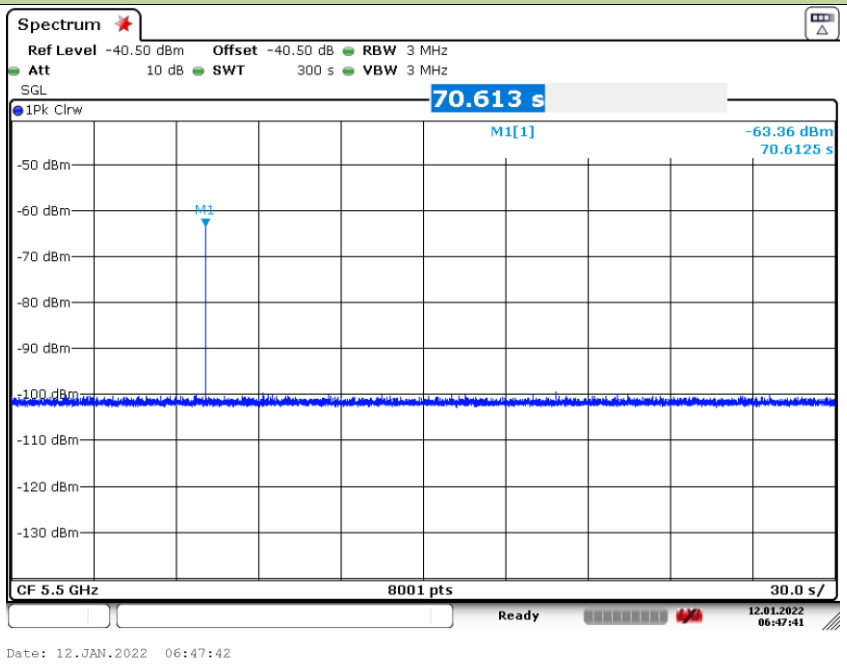
A.4 Initial Channel Availability Check Time Test Result

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/01/12		
Test Item	Initial Channel Availability Check Time (802.11ax-HE20 mode - 5500MHz)		

Initial Channel Availability Check Time

Note: The EUT does not transmit any beacon or data transmissions until at least 1 minute after the completion of the power-on cycle (69.2 sec). Initial beacons/data transmissions are indicated by marker 1 (129.2 sec).

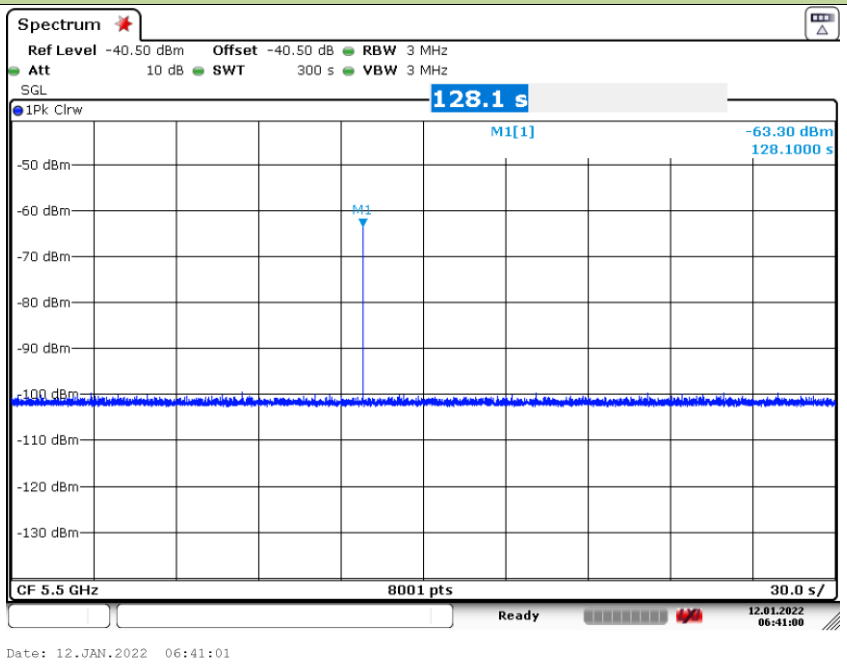
A.5 Radar Burst at the Beginning of the Channel Availability Check Time Test Result

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/01/12		
Test Item	Beginning of the Channel Availability Check Time (802.11ax-HE20 mode - 5500MHz)		

Beginning of the Channel Availability Check Time


A.6 Radar Burst at the End of the Channel Availability Check Time Test Result

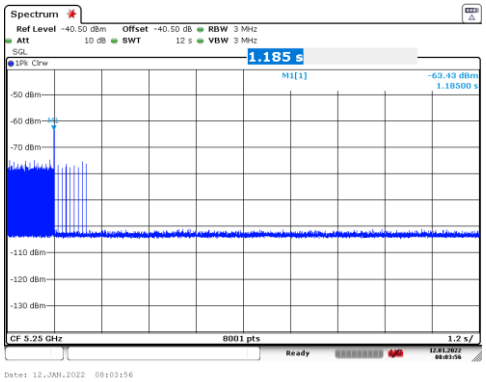
Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/01/12		
Test Item	End of the Channel Availability Check Time (802.11ax-HE20 mode - 5500MHz)		

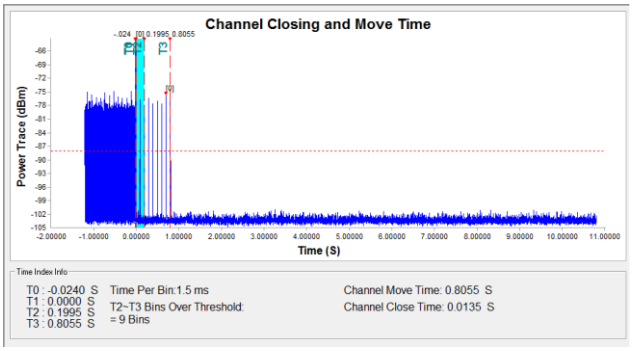
End of the Channel Availability Check Time


A.7 In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period Test Result

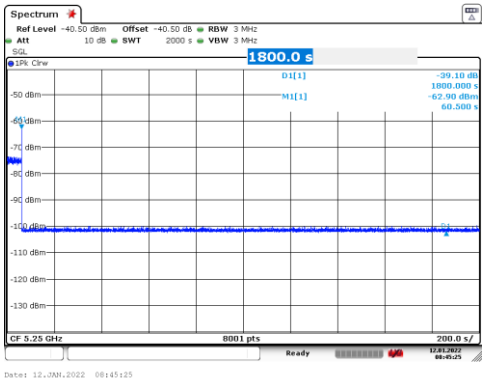
Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/01/12		
Test Item	Channel Move Time and Channel Closing Transmission Time (802.11ax-HE160 mode - 5250MHz)		

Channel Move Time and Channel Closing Transmission Time





Non-Occupancy Period



Parameter	Test Result	Limit
Channel Move Time (s)	0.806s	<10s
Channel Closing Transmission Time (ms) (Note)	13.5ms	< 60ms
Non-Occupancy Period (min)	≥ 30min	≥ 30 min

Note: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 seconds period. The aggregate duration of control signals will not count quiet periods in between transmissions.

A.8 Statistical Performance Check

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/02/28		
Test Item	Radar Statistical Performance Check (802.11ax-HE20 – 5500MHz)		

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5501	1	938	57	1
2	5506	1	918	58	1
3	5498	1	638	83	1
4	5505	1	898	59	1
5	5502	1	818	65	1
6	5510	1	658	81	1
7	5502	1	578	92	1
8	5490	1	678	78	1
9	5503	1	778	68	1
10	5494	1	878	61	1
11	5499	1	758	70	0
12	5510	1	598	89	1
13	5506	1	538	98	1
14	5503	1	858	62	1
15	5510	1	558	95	1
16	5500	1	898	59	1
17	5499	1	838	63	1
18	5510	1	798	67	1
19	5499	1	598	89	1
20	5500	1	718	74	1
21	5499	1	658	81	1
22	5491	1	718	74	1
23	5496	1	558	95	1
24	5499	1	598	89	1
25	5492	1	838	63	1
26	5503	1	818	65	1

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
27	5500	1	618	86	1
28	5510	1	918	58	1
29	5500	1	798	67	1
30	5497	1	738	72	1
Detection Percentage (%)					96.7%

Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5496	4.8	191	24	1
2	5490	2.6	175	24	1
3	5491	5	163	27	0
4	5493	2.4	168	25	1
5	5496	1.4	217	26	1
6	5506	4.1	202	28	1
7	5499	4.7	208	25	1
8	5493	3.7	150	25	1
9	5506	1.8	199	24	1
10	5490	2.1	221	26	1
11	5496	2.6	204	27	1
12	5506	1	170	24	1
13	5491	2.2	153	26	1
14	5510	2.5	172	27	0
15	5505	2.6	228	27	1
16	5510	4.1	198	23	0
17	5500	4.2	210	26	0
18	5492	3.5	170	29	1
19	5496	5	225	26	1
20	5496	1.7	203	25	1
21	5492	2.7	201	26	1
22	5503	3.2	221	25	1
23	5491	4.3	204	28	0
24	5497	3.4	189	28	1
25	5506	2.5	227	24	1
26	5510	1.3	170	24	0
27	5507	1.3	150	29	1
28	5492	1.9	228	28	1
29	5502	1.2	185	27	1
30	5491	4.6	198	25	1
Detection Percentage (%)					80.0%

Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5508	7.3	358	17	1
2	5491	7.8	328	18	1
3	5509	8.8	243	17	1
4	5507	6.5	308	16	1
5	5502	9.1	254	17	1
6	5496	6.2	279	17	1
7	5492	6.4	444	17	1
8	5509	8	271	17	1
9	5497	7.7	455	17	1
10	5494	8.8	257	17	1
11	5490	7.3	436	16	0
12	5506	9.7	235	18	1
13	5508	10	362	17	1
14	5491	8.3	464	17	1
15	5503	6	419	17	1
16	5510	6.4	379	18	0
17	5498	8.6	230	16	1
18	5491	9.4	481	18	1
19	5495	7.7	349	18	1
20	5496	9.9	410	18	1
21	5495	10	318	17	1
22	5490	8.9	407	17	0
23	5493	7.4	425	18	1
24	5491	9.9	221	17	0
25	5492	6.7	372	16	0
26	5496	9.2	219	17	1
27	5500	8.4	489	16	1
28	5490	9.8	291	18	0
29	5490	6.3	344	17	0
30	5499	7.3	308	17	1
Detection Percentage (%)					76.7%

Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5507	12.9	500	12	1
2	5497	15.3	328	13	1
3	5499	19.7	231	15	0
4	5498	19.1	308	13	0
5	5499	11.7	389	12	1
6	5503	15.9	378	14	1
7	5490	14.7	249	14	1
8	5491	17.5	493	15	1
9	5498	12.6	466	15	1
10	5505	13.4	410	15	1
11	5501	16.7	314	14	1
12	5493	17.2	384	14	1
13	5498	16.2	453	14	0
14	5490	14.5	349	13	1
15	5508	18	240	14	1
16	5491	13.6	235	14	1
17	5495	16.4	391	14	1
18	5498	14.2	348	13	1
19	5502	16.3	380	15	1
20	5507	15.5	375	16	0
21	5500	11.2	243	13	1
22	5498	14.1	422	13	1
23	5505	16.6	241	14	1
24	5496	12.7	276	16	1
25	5506	12.2	491	13	1
26	5495	17.8	310	14	1
27	5508	12.6	353	14	1
28	5494	11.7	492	16	0
29	5510	18.1	486	13	0
30	5505	11.1	437	15	1
Detection Percentage (%)					80.0%

Note: In addition, an average minimum percentage of successful detection across all four Short pulse radar test waveforms is as follows: $\frac{P_d1+P_d2+P_d3+P_d4}{4}$ = (96.7%+80.0%+76.7%+80.0%)/4 = 83.3% (>80%)

Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5500	1	16	5494	1
2	5500	1	17	5492	1
3	5500	1	18	5494.4	1
4	5500	1	19	5494.4	1
5	5500	1	20	5494.4	1
6	5500	1	21	5502	1
7	5500	1	22	5505.6	1
8	5500	1	23	5505.2	1
9	5500	1	24	5505.6	1
10	5500	1	25	5503.2	1
11	5496	1	26	5508	1
12	5496.4	1	27	5503.6	1
13	5494.8	1	28	5504.8	1
14	5493.6	1	29	5504.4	1
15	5493.6	1	30	5503.6	1
Detection Percentage (%)					100.0%

Type 5 Radar Waveform_1

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	86.2	15	1203		236.345
2	2	75.2	15	1214		400.36
3	2	96.2	15	1207		23.67
4	2	97.8	15	1422		131.91
5	1	85.9	15			454.22
6	1	98.3	15			18.79
7	2	94.7	15	1815		369.71
8	1	61.1	15			32.57
9	2	52.1	15	1501		292.11
10	2	58.6	15	1300		357.16
11	3	70.9	15	1836	1910	101.31
12	2	54.9	15	1885		530.01
13	3	73.1	15	1822	1067	372.38
14	3	89.3	15	1838	1577	358.64
15	3	73.9	15	1149	1113	24.98
16	1	59.4	15			256.87
17	3	99.3	15	1615	1239	115.34
18	1	62.3	15			106.7
19	2	81.1	15	1137		395
20	1	75.8	15			423.3

Type 5 Radar Waveform_2

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	70.3	12	1763		794.921
2	3	93.7	12	1706	1559	211.91
3	3	81.1	12	1633	1011	355.01
4	1	63.3	12			666.74
5	2	90	12	1594		787.31
6	1	51.5	12			1.37
7	2	94.9	12	1026		531.96
8	1	67.5	12			179.4
9	3	53.2	12	1818	1404	255.79
10	2	73.8	12	1609		910.1
11	2	80.9	12	1979		662.9
12	2	61.1	12	1930		487.8

Type 5 Radar Waveform_3

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	85.3	17			395.174
2	2	67.1	17	1858		623.168
3	1	83.7	17			695.585
4	2	89.4	17	1167		474.353
5	2	72.8	17	1716		275.561
6	2	83.9	17	1160		406.418
7	2	98.6	17	1217		257.406
8	2	68.6	17	1332		283.164
9	3	80.1	17	1418	1265	249.471
10	1	53.6	17			605.129
11	2	75.7	17	1623		423.166
12	1	59.9	17			158.504
13	2	93.6	17	1329		318.412
14	2	88	17	1784		135.549
15	1	73.9	17			221.247
16	3	74.4	17	1891	1483	201.565
17	2	87.7	17	1670		677.282

Type 5 Radar Waveform_4

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	85	10	1735		275.602
2	2	59.1	10	1060		579
3	1	86.4	10			348.96
4	1	80.7	10			54.55
5	2	53.5	10	1444		356.06
6	2	57.8	10	1817		289.08
7	2	81.1	10	1654		298.74
8	1	90.5	10			239.6
9	1	68.7	10			490.98
10	1	64.2	10			94.09
11	2	100	10	1762		532.48
12	2	89	10	1030		33.79
13	2	67.4	10	1165		360.52
14	3	76.1	10	1768	1241	142.67
15	2	72.3	10	1944		46.92
16	2	82.1	10	1676		427.68
17	2	86	10	1195		430.9
18	2	72.9	10	1588		545.1
19	3	66.6	10	1985	1599	347.7
20	1	91.1	10			294.5

Type 5 Radar Waveform_5

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	67.7	13			593.841
2	2	65.6	13	1162		73.45
3	2	85.4	13	1428		855.72
4	3	75.9	13	1265	1550	79.51
5	3	99.6	13	1007	1907	503.58
6	2	63.5	13	1354		396.36
7	1	87.8	13			667.18
8	1	55.9	13			675.26
9	2	83	13	1525		472.12
10	3	56.2	13	1557	1823	74.91
11	2	64.5	13	1624		913
12	2	69.8	13	1869		893.4

Type 5 Radar Waveform_6

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	97.7	14	1660		244.556
2	2	51.3	14	1681		385.991
3	2	55.1	14	1203		135.082
4	1	89.4	14			16.693
5	3	86.1	14	1481	1371	395.794
6	1	92.6	14			426.325
7	3	65.2	14	1157	1102	300.526
8	1	78.1	14			546.287
9	1	60.4	14			5.728
10	2	90.9	14	1204		324.169
11	2	73.7	14	1328		138.971
12	2	63.7	14	1484		412.842
13	3	93.7	14	1619	1292	85.303
14	2	55.9	14	1001		407.724
15	3	63.4	14	1752	1870	65.255
16	3	95.8	14	1777	1140	362.956
17	3	75.1	14	1151	1672	416.837
18	2	69.7	14	1904		277.358
19	3	51	14	1908	1366	286.779

Type 5 Radar Waveform_7

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	72.1	12	1774	1544	126.801
2	1	82.5	12			681.231
3	3	60.1	12	1328	1033	355.212
4	2	63.4	12	1473		503.103
5	3	60.9	12	1157	1234	966.434
6	3	59.9	12	1882	1455	228.065
7	2	72.6	12	1722		392.345
8	2	88.1	12	1183		506.626
9	1	51.6	12			627.087
10	1	79.9	12			679.718
11	3	68.1	12	1878	1677	723.109

Type 5 Radar Waveform_8

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µ sec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	50.4	8	1442		140.546
2	2	51	8	1505		128.153
3	2	56.5	8	1418		268.94
4	2	87.1	8	1939		320.37
5	2	62.8	8	1145		158.74
6	1	92.4	8			58.18
7	2	66.2	8	1428		83.25
8	2	86.5	8	1630		136
9	2	88.3	8	1531		483.24
10	1	56.1	8			604.87
11	2	97.6	8	1450		285.16
12	2	54.1	8	1650		152.1
13	2	64.8	8	1323		551.38
14	2	69.1	8	1716		171.17
15	2	84	8	1827		527.6
16	2	77.2	8	1925		163.2

Type 5 Radar Waveform_9

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	79.5	5	1197		1006.22
2	3	99	5	1711	1262	839.991
3	1	89	5			358.782
4	1	82.2	5			459.103
5	3	57.7	5	1941	1552	899.204
6	1	57.5	5			862.225
7	3	99	5	1962	1092	72.985
8	1	67.1	5			864.296
9	2	75.1	5	1238		808.177
10	2	64.9	5	1490		840.818
11	3	66.7	5	1445	1878	930.909

Type 5 Radar Waveform_10

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	61	13			638.733
2	2	65.8	13	1185		331.801
3	2	77.4	13	1298		307.532
4	2	51.1	13	1514		19.413
5	2	53.6	13	1010		373.824
6	3	88.7	13	1806	1187	711.775
7	2	99.4	13	1677		643.395
8	1	86.8	13			819.756
9	2	83.4	13	1807		647.737
10	3	75.5	13	1885	1803	275.618
11	2	69.9	13	1840		513.109

Type 5 Radar Waveform_11

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	54.6	15	1294		200.854
2	2	62.6	15	1757		1015.891
3	1	80.5	15			673.652
4	2	63.9	15	1223		265.713
5	1	87.9	15			570.764
6	3	82.6	15	1933	1796	627.655
7	2	85.4	15	1864		531.585
8	2	87.9	15	1499		874.396
9	2	73.8	15	1075		300.827
10	3	66.1	15	1914	1619	994.618
11	3	83.3	15	1952	1988	419.809

Type 5 Radar Waveform_12

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	52.1	16			152.824
2	3	66.7	16	1070	1737	44.427
3	3	79.5	16	1955	1176	254.72
4	1	75.7	16			329.86
5	3	96.3	16	1684	1306	282.85
6	2	77.2	16	1000		258.27
7	3	84.8	16	1230	1935	576.4
8	3	96.9	16	1665	1741	576.47
9	3	83	16	1971	1386	62.74
10	3	84.3	16	1981	1895	351.38
11	3	81.3	16	1012	1615	279.95
12	2	96.4	16	1654		403.07
13	2	76.3	16	1774		410.79
14	2	63.3	16	1069		235.17
15	1	91.4	16			473.63
16	3	71.6	16	1205	1501	568.76
17	1	61.1	16			318.17
18	2	73.7	16	1787		418
19	2	71.1	16	1356		68.2
20	2	69.1	16	2000		387.4

Type 5 Radar Waveform_13

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	67.6	12	1849	1579	746.107
2	2	54.4	12	1364		92.481
3	2	81	12	1578		52.172
4	3	56.8	12	1218	1964	384.033
5	2	60.9	12	1101		348.404
6	2	83.9	12	1316		99.735
7	3	56.6	12	1299	1101	350.495
8	3	56.1	12	1054	1155	385.596
9	2	83.8	12	1639		953.537
10	1	88.5	12			1047.218
11	1	67.9	12			227.409

Type 5 Radar Waveform_14

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	93.1	9	1075	1649	348.015
2	3	96.1	9	1823	1954	311.817
3	2	78.6	9	1886		512.293
4	1	86.3	9			949.68
5	2	97.2	9	1536		745.247
6	1	94.8	9			602.613
7	2	86.4	9	1252		66.88
8	2	85.2	9	1632		18.167
9	2	70.6	9	1674		809.233

Type 5 Radar Waveform_15

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	64.7	9	1960		331.831
2	2	56.9	9	1986		892.6
3	3	81.5	9	1934	1689	951.41
4	1	86.7	9			837.52
5	3	65.7	9	1840	1596	414.05
6	2	84.2	9	1525		437.12
7	2	82.8	9	1502		468.75
8	3	91.1	9	1627	1277	192.98
9	2	75.5	9	1978		81.5
10	1	56.7	9			532.83
11	2	96.6	9	1683		731.5
12	2	80.4	9	1425		412.5

Type 5 Radar Waveform_16

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	76.3	10	1499		186.846
2	3	80	10	1279	1184	329.653
3	1	85.3	10			12.776
4	1	62.7	10			693.339
5	1	97.1	10			307.462
6	1	74.3	10			1.785
7	1	82.9	10			330.348
8	3	99.9	10	1109	1717	689.102
9	2	79	10	1445		99.595
10	2	76.9	10	1344		572.458
11	2	73.9	10	1426		849.231
12	2	65.8	10	1773		662.954
13	2	60.2	10	1714		37.277

Type 5 Radar Waveform_17						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	74.7	5	1985		859.268
2	3	95.2	5	1452	1658	443.47
3	1	56.2	5			65.73
4	2	52	5	1364		843.37
5	2	97.3	5	1221		671.09
6	1	99.4	5			747.69
7	2	82.4	5	1613		679.09
8	2	89.9	5	1114		542.79
9	1	70.2	5			1024.5
10	3	87.7	5	1214	1848	885.5

Type 5 Radar Waveform_18						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	53.3	11	1884		974.425
2	2	82.7	11	1600		1182.91
3	1	63.1	11			587.93
4	3	67.6	11	1554	1262	714.11
5	3	88.4	11	1991	1614	787.5
6	2	63.6	11	1735		996.34
7	2	80.3	11	1544		377.31
8	3	72.8	11	1242	1368	583.31
9	2	58.6	11	1457		461.6
10	2	57.8	11	1216		31.1

Type 5 Radar Waveform_19						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	78.1	11	1052		1126.36
2	2	96.5	11	1323		643.297
3	1	91.5	11			526.153
4	2	62.7	11	1704		494.04
5	1	76.7	11			824.687
6	1	73.9	11			591.733
7	2	71.4	11	1119		92.14
8	2	70	11	1324		1121.467
9	1	78.9	11			645.033

Type 5 Radar Waveform_20

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	3	100	11	1579	1101	31.198
2	3	68.6	11	1379	1595	235.846
3	2	70.9	11	1391		495.027
4	2	92.2	11	1201		542.72
5	1	78.5	11			493.503
6	1	64.5	11			605.207
7	2	66.7	11	1095		215.25
8	2	84	11	1272		621.953
9	2	74.3	11	1816		3.707
10	2	88.1	11	1203		641.17
11	3	51.7	11	1547	1883	629.023
12	2	94.8	11	1815		176.127
13	1	67.2	11			63.68
14	3	97.6	11	1095	1228	483.723
15	2	62.4	11	1453		239.437
16	2	59.8	11	1563		408.1
17	1	61.5	11			537.533
18	2	56.6	11	1188		170.167

Type 5 Radar Waveform_21

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	3	86.5	20	1401	1968	1.721
2	2	75.8	20	1231		549.71
3	1	55.9	20			489.86
4	3	77.5	20	1540	1761	382.36
5	2	98.3	20	1902		138.17
6	1	93.5	20			556.05
7	3	56.1	20	1511	1799	33.73
8	3	76.6	20	1792	1810	489.98
9	3	72.9	20	1420	1086	270.92
10	2	83.5	20	1695		202.29
11	2	70.6	20	1999		121.26
12	1	80	20			208.76
13	1	97.1	20			157.01
14	3	91.8	20	1012	1166	123.24
15	3	60.6	20	1571	1705	20.93
16	1	54.9	20			278.93
17	1	54.7	20			111.01
18	2	82.4	20	1513		366.4
19	2	56.3	20	1423		240
20	2	86.6	20	1342		377.6

Type 5 Radar Waveform_22

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	94.7	11	1018		1201.03
2	2	72.8	11	1708		696.737
3	1	82.3	11			568.903
4	3	64.9	11	1513	1820	380.3
5	2	63.6	11	2000		589.737
6	2	70.9	11	1750		21.683
7	1	59.2	11			1203.05
8	2	97.2	11	1489		235.647
9	3	76.5	11	1641	1520	57.733

Type 5 Radar Waveform_23

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	86	12			294.271
2	3	59.8	12	1353	1117	53.055
3	2	78.4	12	1908		110.52
4	3	66.5	12	1256	1500	765.94
5	2	96.7	12	1620		235.03
6	2	63.1	12	1274		407.59
7	2	67.4	12	1714		779.84
8	2	76	12	1422		603.69
9	3	84.6	12	1578	1573	789.83
10	1	89.1	12			780.37
11	2	51.4	12	1450		636.31
12	2	86.3	12	1727		270.93
13	2	88.6	12	1701		567
14	3	52.8	12	1701	1592	166.9
15	2	54.1	12	1213		763.2

Type 5 Radar Waveform_24

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	64.3	11	1299	1680	596.481
2	3	54.8	11	1917	1386	848.701
3	2	65.9	11	1122		508.362
4	1	87.1	11			524.703
5	1	91	11			302.294
6	2	56.9	11	1135		310.225
7	1	86.2	11			45.585
8	2	74.5	11	1950		632.356
9	2	68.2	11	1347		169.197
10	3	76.3	11	1741	1210	310.918
11	3	63.8	11	1595	1716	1049.309

Type 5 Radar Waveform_25

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	95	17	1639	1872	641.785
2	2	70.8	17	1247		783.613
3	2	83.5	17	1874		57.236
4	1	97.5	17			410.249
5	3	50.4	17	1476	1914	334.642
6	2	76.9	17	1215		788.375
7	3	65.4	17	1947	1148	182.508
8	2	56.5	17	1530		668.892
9	2	95.6	17	1749		337.595
10	2	81.3	17	1982		624.608
11	2	53	17	1878		95.851
12	3	90.9	17	1359	1091	362.554
13	2	87.5	17	1171		125.677

Type 5 Radar Waveform_26

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	93	5	1345		191.51
2	2	85.5	5	1437		559.703
3	1	54.4	5			287.806
4	3	68.8	5	1576	1560	344.519
5	3	58.8	5	1860	1348	24.202
6	2	94.9	5	1695		575.505
7	2	90	5	1970		825.488
8	3	57.1	5	1916	1166	740.532
9	2	74.7	5	1610		524.715
10	2	66.9	5	1795		762.608
11	2	78.4	5	1996		568.821
12	2	82.8	5	1529		636.954
13	2	53.6	5	1183		588.777

Type 5 Radar Waveform_27

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	73.9	16	1717		316.433
2	3	94.3	16	1759	1586	230.08
3	2	64	16	1815		777.66
4	3	72.8	16	1468	1881	364.18
5	2	90.9	16	1968		193.54
6	3	80.9	16	1826	1559	771.62
7	2	98	16	1695		181.9
8	2	99.5	16	1766		364.91
9	2	76.9	16	1023		52.34
10	2	88.4	16	1370		215.55
11	3	86.1	16	1525	1930	750.09
12	2	75.6	16	1368		660.85
13	3	56.4	16	1924	1432	540.9
14	2	96.5	16	1125		87.6
15	2	84.7	16	1555		320.8

Type 5 Radar Waveform_28

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	95.3	13	1785		556.087
2	1	83.9	13			148.81
3	3	50.7	13	1731	1667	585.28
4	1	63.3	13			872.31
5	2	73.9	13	1288		943.07
6	3	97.3	13	1433	1969	498.71
7	2	95.5	13	1566		940.01
8	2	87.2	13	1299		593.93
9	1	70.7	13			188.85
10	2	79.8	13	1931		154.54
11	2	77.6	13	1172		619.5
12	1	56.9	13			194.8

Type 5 Radar Waveform_29

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	75	14	1085		867.719
2	2	73.6	14	1714		539.471
3	1	70.5	14			811.892
4	2	83.5	14	1571		672.023
5	3	79.6	14	1322	1268	83.814
6	3	79.5	14	1746	1297	546.585
7	1	54.4	14			710.835
8	2	86.3	14	1357		770.256
9	1	58.5	14			591.797
10	3	55.1	14	1137	1932	71.368
11	2	60.4	14	1899		562.309

Type 5 Radar Waveform_30

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	58.4	16			373.539
2	2	89.7	16	1340		169.974
3	2	84	16	1859		416.14
4	1	76.3	16			431.19
5	2	83	16	1330		132.85
6	2	82	16	1895		483.43
7	3	84.7	16	1809	1059	684.14
8	2	53.7	16	1130		475.24
9	2	77.6	16	1779		308.68
10	3	51.3	16	1587	1359	450.88
11	3	87.9	16	1193	1406	145.84
12	2	93.9	16	1158		359.03
13	3	81.1	16	1030	1824	410.2
14	2	84.4	16	1467		193.88
15	3	79.7	16	1560	1723	618.6
16	2	80.2	16	1048		317

Radar Type 6 - Radar Statistical Performance

Trail #	1=Detection 0=No Detection	Trail #	1=Detection 0=No Detection
1	1	16	1
2	1	17	1
3	1	18	1
4	1	19	1
5	1	20	1
6	1	21	1
7	1	22	1
8	1	23	1
9	1	24	1
10	1	25	0
11	1	26	1
12	1	27	1
13	1	28	1
14	1	29	1
15	1	30	1
Detection Percentage (%)		96.7%	

Type 6 Radar Waveform_1				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
9	5.5	5.498	20	*
49	5.5	5.496	20	*
71	5.5	5.51	20	*
98	5.5	5.491	20	*

Type 6 Radar Waveform_2				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.5	5.503	20	*
30	5.5	5.497	20	*
35	5.5	5.49	20	*
58	5.5	5.506	20	*
59	5.5	5.507	20	*

Type 6 Radar Waveform_3				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.5	5.51	20	*
41	5.5	5.494	20	*
64	5.5	5.491	20	*
74	5.5	5.499	20	*
77	5.5	5.496	20	*
79	5.5	5.493	20	*
80	5.5	5.503	20	*

Type 6 Radar Waveform_4				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
17	5.5	5.499	20	*
30	5.5	5.498	20	*
43	5.5	5.496	20	*
57	5.5	5.5	20	*
65	5.5	5.501	20	*
70	5.5	5.508	20	*
100	5.5	5.507	20	*

Type 6 Radar Waveform_5				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
66	5.5	5.502	20	*
68	5.5	5.508	20	*

Type 6 Radar Waveform_6				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.5	5.508	20	*
89	5.5	5.507	20	*
98	5.5	5.503	20	*

Type 6 Radar Waveform_7				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
26	5.5	5.509	20	*
33	5.5	5.496	20	*
44	5.5	5.494	20	*
49	5.5	5.495	20	*
57	5.5	5.505	20	*
64	5.5	5.508	20	*
84	5.5	5.497	20	*

Type 6 Radar Waveform_8				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
22	5.5	5.5	20	*
30	5.5	5.508	20	*
54	5.5	5.505	20	*
89	5.5	5.506	20	*

Type 6 Radar Waveform_9				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
8	5.5	5.51	20	*
12	5.5	5.509	20	*
65	5.5	5.498	20	*
93	5.5	5.495	20	*
96	5.5	5.506	20	*

Type 6 Radar Waveform_10				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.5	5.499	20	*
2	5.5	5.496	20	*
45	5.5	5.504	20	*
95	5.5	5.503	20	*
98	5.5	5.505	20	*
99	5.5	5.502	20	*

Type 6 Radar Waveform_11				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.5	5.491	20	*
7	5.5	5.492	20	*
12	5.5	5.497	20	*
21	5.5	5.507	20	*
23	5.5	5.504	20	*

Type 6 Radar Waveform_12				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
45	5.5	5.508	20	*
51	5.5	5.509	20	*
95	5.5	5.499	20	*

Type 6 Radar Waveform_13				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
14	5.5	5.497	20	*
16	5.5	5.493	20	*
47	5.5	5.495	20	*
65	5.5	5.494	20	*
88	5.5	5.496	20	*

Type 6 Radar Waveform_14				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
19	5.5	5.507	20	*
27	5.5	5.508	20	*
29	5.5	5.505	20	*
49	5.5	5.501	20	*
78	5.5	5.497	20	*

Type 6 Radar Waveform_15				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.5	5.504	20	*
17	5.5	5.49	20	*
58	5.5	5.499	20	*
59	5.5	5.494	20	*
79	5.5	5.495	20	*
96	5.5	5.498	20	*

Type 6 Radar Waveform_16				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
9	5.5	5.497	20	*
46	5.5	5.506	20	*
90	5.5	5.508	20	*

Type 6 Radar Waveform_17				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.5	5.494	20	*
57	5.5	5.491	20	*

Type 6 Radar Waveform_18				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.5	5.51	20	*
7	5.5	5.502	20	*
13	5.5	5.498	20	*
27	5.5	5.509	20	*
36	5.5	5.49	20	*
52	5.5	5.506	20	*
61	5.5	5.494	20	*
92	5.5	5.504	20	*

Type 6 Radar Waveform_19				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
16	5.5	5.49	20	*
25	5.5	5.497	20	*
42	5.5	5.494	20	*
52	5.5	5.51	20	*
53	5.5	5.504	20	*

Type 6 Radar Waveform_20				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
8	5.5	5.49	20	*
13	5.5	5.507	20	*
29	5.5	5.51	20	*
52	5.5	5.502	20	*
54	5.5	5.504	20	*
64	5.5	5.5	20	*

Type 6 Radar Waveform_21				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.5	5.506	20	*
27	5.5	5.494	20	*
55	5.5	5.502	20	*
56	5.5	5.495	20	*
58	5.5	5.5	20	*
86	5.5	5.51	20	*
88	5.5	5.501	20	*

Type 6 Radar Waveform_22				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
9	5.5	5.497	20	*
17	5.5	5.494	20	*
37	5.5	5.503	20	*
95	5.5	5.51	20	*

Type 6 Radar Waveform_23				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.5	5.499	20	*
19	5.5	5.495	20	*
73	5.5	5.508	20	*
76	5.5	5.497	20	*
77	5.5	5.498	20	*

Type 6 Radar Waveform_24				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
7	5.5	5.504	20	*
41	5.5	5.499	20	*
92	5.5	5.492	20	*
100	5.5	5.507	20	*

Type 6 Radar Waveform_25				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
22	5.5	5.502	20	*
24	5.5	5.5	20	*
40	5.5	5.495	20	*
58	5.5	5.504	20	*
79	5.5	5.509	20	*

Type 6 Radar Waveform_26				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
24	5.5	5.492	20	*
41	5.5	5.496	20	*
46	5.5	5.51	20	*
56	5.5	5.499	20	*
78	5.5	5.508	20	*
79	5.5	5.49	20	*
82	5.5	5.506	20	*
89	5.5	5.505	20	*

Type 6 Radar Waveform_27				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.5	5.507	20	*
45	5.5	5.501	20	*
58	5.5	5.508	20	*
70	5.5	5.493	20	*
94	5.5	5.496	20	*

Type 6 Radar Waveform_28				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
25	5.5	5.499	20	*
26	5.5	5.502	20	*
43	5.5	5.503	20	*
58	5.5	5.497	20	*
71	5.5	5.5	20	*
76	5.5	5.507	20	*

Type 6 Radar Waveform_29				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
10	5.5	5.508	20	*

Type 6 Radar Waveform_30				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
22	5.5	5.502	20	*
24	5.5	5.5	20	*
40	5.5	5.495	20	*
58	5.5	5.504	20	*
79	5.5	5.509	20	*

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/02/28		
Test Item	Radar Statistical Performance Check (802.11ax-HE40 – 5510MHz)		

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5490	1	778	68	1
2	5527	1	778	68	1
3	5515	1	558	95	1
4	5530	1	638	83	1
5	5512	1	518	102	1
6	5490	1	838	63	1
7	5528	1	718	74	1
8	5495	1	898	59	1
9	5496	1	578	92	1
10	5502	1	618	86	1
11	5494	1	3066	18	1
12	5530	1	558	95	1
13	5498	1	578	92	1
14	5526	1	738	72	1
15	5494	1	538	98	1
16	5504	1	738	72	1
17	5497	1	818	65	1
18	5510	1	798	67	1
19	5530	1	898	59	1
20	5491	1	858	62	1
21	5517	1	818	65	1
22	5511	1	678	78	1
23	5505	1	718	74	1
24	5501	1	598	89	1
25	5506	1	778	68	1
26	5492	1	918	58	1

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
27	5515	1	798	67	0
28	5525	1	678	78	1
29	5517	1	798	67	1
30	5505	1	938	57	1
Detection Percentage (%)					96.7%

Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5491	1.8	213	26	1
2	5516	4.3	166	27	1
3	5498	2.7	200	26	1
4	5507	1.6	173	27	1
5	5521	2.4	150	27	1
6	5490	3.7	151	28	0
7	5511	4.4	223	27	1
8	5517	1.8	215	26	1
9	5511	3.6	154	26	1
10	5530	4.5	171	25	1
11	5530	4.5	229	28	1
12	5501	1.7	168	28	1
13	5528	4.9	167	25	1
14	5501	3.5	209	28	1
15	5502	1.9	211	26	1
16	5526	2.5	197	23	1
17	5508	4.4	175	25	1
18	5530	1.4	189	25	1
19	5523	3.1	165	24	1
20	5529	2.9	214	24	1
21	5498	1.4	172	28	1
22	5510	1.3	196	24	1
23	5502	1.6	169	28	0
24	5509	1	230	26	1
25	5513	1.9	209	29	1
26	5519	4	176	29	1
27	5514	2.1	224	23	1
28	5506	5	209	23	1
29	5500	2	192	27	1
30	5524	1.1	188	26	1
Detection Percentage (%)					93.3%

Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5496	8.1	300	16	1
2	5516	6.2	410	16	1
3	5517	8	233	17	1
4	5512	6.8	424	17	0
5	5516	8.3	472	17	1
6	5496	9.7	219	17	1
7	5502	8	281	17	1
8	5510	6	495	16	1
9	5515	9.9	440	17	1
10	5493	8	367	17	1
11	5518	7.2	312	17	1
12	5510	8.8	434	16	1
13	5497	8.5	486	17	1
14	5494	7.7	342	17	1
15	5490	8.4	210	18	1
16	5519	10	410	17	0
17	5519	8.8	454	18	0
18	5523	9	460	18	1
19	5515	6.5	482	18	1
20	5530	8.3	430	17	1
21	5501	6.7	467	17	1
22	5496	6.7	252	16	1
23	5496	6.9	251	17	1
24	5504	7.2	427	18	1
25	5518	8.3	446	16	1
26	5516	8.9	329	17	1
27	5494	8.5	378	17	1
28	5517	7.1	439	16	1
29	5522	9.1	500	17	1
30	5517	6.6	219	16	1
Detection Percentage (%)					90.0%

Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5504	13.8	299	13	1
2	5510	17.3	398	15	1
3	5502	18.5	334	15	1
4	5525	15.6	425	13	1
5	5511	14.7	226	13	0
6	5508	12.1	461	14	1
7	5499	18.6	236	12	1
8	5501	17.4	384	12	1
9	5501	17.4	462	14	1
10	5504	17.9	404	13	1
11	5502	15	375	13	1
12	5509	13.6	337	16	1
13	5506	17.6	470	14	1
14	5525	19.4	486	12	0
15	5493	13.3	472	14	1
16	5530	13.6	262	12	0
17	5490	14.8	368	15	1
18	5498	18.6	410	16	1
19	5529	16.2	306	13	1
20	5527	13.7	442	13	1
21	5502	14	442	13	1
22	5506	11.1	244	16	1
23	5499	12.1	443	15	1
24	5502	13.3	468	16	1
25	5494	19.4	438	12	1
26	5514	14.3	322	16	1
27	5513	15.5	244	12	1
28	5525	11.4	264	15	1
29	5510	19.3	482	14	1
30	5507	16.8	230	16	1
Detection Percentage (%)					90.0%

Note: In addition, an average minimum percentage of successful detection across all four Short pulse radar test waveforms is as follows: $\frac{P_d1+P_d2+P_d3+P_d4}{4}$ = (96.7%+93.3%+90.0%+90.0%)/4 = 92.5% (>80%)

Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5510	1	16	5492	1
2	5510	1	17	5497.2	0
3	5510	1	18	5495.6	1
4	5510	1	19	5492.8	1
5	5510	1	20	5498	1
6	5510	1	21	5527.6	1
7	5510	1	22	5526	1
8	5510	1	23	5523.6	1
9	5510	1	24	5527.2	1
10	5510	1	25	5528	0
11	5494.4	1	26	5526.4	1
12	5492.8	1	27	5527.6	0
13	5494	1	28	5527.6	1
14	5495.6	1	29	5522.8	1
15	5492	1	30	5524.4	1
Detection Percentage (%)					90.0%

Type 5 Radar Waveform_1

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	95.3	9	1246		429.67
2	3	52.8	9	1852	1682	118.033
3	3	69	9	1534	1431	602.642
4	2	88	9	1772		48.453
5	2	63.7	9	1702		474.534
6	1	90	9			488.435
7	2	84.5	9	1010		67.826
8	2	91.4	9	1261		97.857
9	3	88.4	9	1231	1904	138.618
10	1	91.3	9			135.339
11	2	64	9	1080		22.481
12	1	98	9			392.602
13	2	73	9	1161		119.393
14	3	90	9	1078	1887	389.444
15	2	96.2	9	1465		333.125
16	2	52.6	9	1247		179.036
17	2	100	9	1721		76.637
18	1	50.8	9			463.858
19	3	84.4	9	1490	1631	243.879

Type 5 Radar Waveform_2						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	73.5	5	1808		439.381
2	3	88.6	5	1141	1530	467.597
3	2	66.4	5	1336		823.054
4	2	61.2	5	1109		98.291
5	3	87.4	5	1818	1358	386.109
6	2	75.5	5	1293		258.896
7	1	89.2	5			302.043
8	2	78.4	5	1068		147.45
9	2	65.6	5	1709		661.157
10	2	72.1	5	1074		506.414
11	1	73.7	5			447.301
12	3	59.5	5	1707	1456	635.329
13	1	71.1	5			204.786
14	2	88.2	5	1241		576.743

Type 5 Radar Waveform_3						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	97.6	20			151.359
2	3	88.4	20	1573	1693	1424.72
3	2	80.1	20	1188		1.59
4	3	64	20	1247	1018	684.2
5	2	54.1	20	1982		383.36
6	1	71.3	20			1441.6
7	3	92.2	20	1650	1408	321.77
8	2	81.8	20	1662		183.2

Type 5 Radar Waveform_4						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	78.2	19	1795		177.027
2	2	90	19	1487		391.76
3	2	89.2	19	1804		537.76
4	2	64.2	19	1648		88.65
5	2	62.8	19	1295		357.75
6	2	96.2	19	1132		58.62
7	1	82.4	19			773.54
8	2	80.9	19	1031		578.23
9	2	56.6	19	1975		17.33
10	1	92.6	19			287.16
11	2	82.4	19	1392		554.19
12	1	95.8	19			244.61
13	3	89.5	19	1259	1963	543
14	2	59.3	19	1246		581.9
15	3	63.9	19	1790	1108	180.5

Type 5 Radar Waveform_5						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	72.9	15			64.54
2	2	66.9	15	1890		451.697
3	3	75.7	15	1446	1611	38.993
4	2	98.9	15	1829		849.59
5	3	98.7	15	1786	1877	1037.517
6	1	90.1	15			324.243
7	3	86.5	15	1185	1476	202.03
8	1	74.7	15			494.807
9	1	74.3	15			1109.933

Type 5 Radar Waveform_6						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	82.2	6	1599		87.565
2	2	61.8	6	1790		362.841
3	2	85.9	6	1892		789.662
4	2	91.4	6	1886		159.493
5	1	53.8	6			1072.494
6	2	53.2	6	1913		462.395
7	2	74.4	6	1022		627.125
8	2	76.1	6	1650		699.656
9	2	77.3	6	1283		361.107
10	2	58.3	6	1783		382.818
11	1	64.5	6			563.609

Type 5 Radar Waveform_7						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	78.6	19	1844		420.85
2	1	73.4	19			486.361
3	1	53.6	19			967.382
4	1	87.6	19			450.923
5	2	80.2	19	1078		475.734
6	2	77.5	19	1941		868.605
7	2	51.6	19	1135		1068.055
8	2	83.8	19	1194		294.186
9	2	51.9	19	1965		883.017
10	1	69.7	19			958.718
11	2	70.7	19	1441		412.809

Type 5 Radar Waveform_8

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µ sec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	75.7	6	1644		459.75
2	1	72.3	6			773.61
3	1	73.8	6			477.57
4	3	71.9	6	1021	1064	188.75
5	2	65.4	6	1149		384.98
6	1	52.8	6			735.79
7	2	85.4	6	1094		53.45
8	2	96.4	6	1322		214.83
9	2	56.1	6	1029		554.07
10	1	68	6			640.12
11	2	91.3	6	1291		416.85
12	2	91.8	6	1610		784.67
13	2	64	6	1055		355.5
14	3	72.4	6	1915	1730	401.8
15	2	76.5	6	1407		218.1

Type 5 Radar Waveform_9

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	60.1	13	1042	1349	372.649
2	2	76.3	13	1736		202.077
3	2	86.3	13	1497		962.143
4	1	61.4	13			499.65
5	1	75.7	13			1239.517
6	1	91.3	13			486.703
7	3	60.8	13	1996	1522	481.16
8	3	99.8	13	1099	1228	979.267
9	1	87	13			1117.633

Type 5 Radar Waveform_10

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	50.4	7	1327		309.916
2	2	93.8	7	1303		139.181
3	1	64.7	7			234.055
4	2	90.9	7	1817		507.443
5	1	53.4	7			611.431
6	3	83.1	7	1663	1682	145.498
7	2	77.8	7	1253		479.186
8	3	57.7	7	1279	1301	32.294
9	1	60	7			687.461
10	2	89.6	7	1710		317.729
11	3	54.6	7	1620	1233	584.796
12	2	66.6	7	1021		439.544
13	3	59.7	7	1021	1591	360.652
14	2	55.6	7	1083		588.619
15	1	74.1	7			420.447
16	3	85.3	7	1462	1695	48.565
17	2	52.7	7	1756		469.682

Type 5 Radar Waveform_11						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	74.5	11	1241	1239	625.423
2	1	62.5	11			40.187
3	2	95.3	11	1504		565.934
4	2	88.2	11	1600		128.601
5	2	94.8	11	1071		186.769
6	2	52.7	11	1833		150.396
7	2	70.6	11	1601		741.233
8	3	61	11	1778	1758	6.48
9	3	96.5	11	1277	1802	806.037
10	1	87.1	11			300.124
11	3	81.2	11	1120	1222	675.461
12	1	57.6	11			229.759
13	2	80.8	11	1944		619.986
14	1	81.9	11			464.743

Type 5 Radar Waveform_12						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	62.7	7	1872		430.556
2	1	58	7			4.113
3	1	65.7	7			333.566
4	3	74.3	7	1626	1594	198.769
5	2	84.1	7	1813		818.032
6	2	94.5	7	1647		125.955
7	1	95	7			830.028
8	2	98.7	7	1561		424.942
9	2	87.9	7	1975		160.575
10	3	92.2	7	1124	1874	657.838
11	2	95.6	7	1194		399.371
12	1	55	7			414.454
13	2	69.2	7	1969		339.977

Type 5 Radar Waveform_13						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	76.3	10	1526		358.875
2	2	71.3	10	1123		72.641
3	1	70.9	10			488.242
4	3	64.5	10	1692	1742	783.013
5	1	51.3	10			428.844
6	2	59.7	10	1478		684.515
7	2	95.2	10	1899		1030.635
8	2	50.8	10	1064		441.056
9	3	94.9	10	1914	1939	552.457
10	3	68.8	10	1638	1134	436.218
11	2	55.7	10	1864		833.409

Type 5 Radar Waveform_14

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	74.6	14	1309		575.217
2	2	90.5	14	1053		598.49
3	1	79.8	14			720.85
4	1	69.9	14			595.97
5	2	78.4	14	1889		384.38
6	1	86.6	14			529.4
7	2	85.3	14	1893		390.64
8	3	56.4	14	1816	1169	137.11
9	1	53.5	14			56.88
10	2	50.3	14	1596		332.62
11	2	66.7	14	1492		620
12	2	80.9	14	1094		414.92
13	3	70.3	14	1455	1678	150.83
14	1	89.1	14			184.36
15	3	74.5	14	1071	1423	432.3
16	3	99.8	14	1026	1318	238.5

Type 5 Radar Waveform_15

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	76.9	5	1654		374.164
2	2	79	5	1122		316.02
3	1	93.8	5			763.4
4	3	60.8	5	1383	1279	478.12
5	1	80.7	5			382.76
6	2	95	5	1209		672.5
7	1	99.7	5			216.29
8	3	72	5	1092	1807	101.1
9	1	62.7	5			604.91
10	2	99.9	5	1707		611.79
11	1	91.7	5			44.19
12	2	81.6	5	1746		449.77
13	2	71.6	5	1551		171.4
14	1	54.4	5			733.8
15	2	90	5	1115		454.1

Type 5 Radar Waveform_16

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	98.2	5			96.367
2	2	87.8	5	1035		621.42
3	3	72.3	5	1333	1251	284.57
4	1	67.6	5			49.19
5	1	87.6	5			276.29
6	1	82.5	5			28.83
7	3	50.3	5	1736	1369	377.76
8	1	57.4	5			348.55
9	1	73.3	5			455.48
10	2	83.2	5	1935		589.02
11	1	88.2	5			704.51
12	2	56	5	1347		222.22
13	3	85.1	5	1468	1875	568.76
14	3	95.4	5	1304	1699	695.1
15	3	50.8	5	1670	1084	335.6
16	2	64.6	5	1608		211.8

Type 5 Radar Waveform_17

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	60.2	18	1484		332.78
2	3	58.9	18	1217	1644	1014.027
3	2	54	18	1543		547.033
4	1	56.8	18			19.37
5	2	70.3	18	1896		604.177
6	2	73.5	18	1355		674.833
7	1	53.9	18			671.57
8	2	55.2	18	1810		474.667
9	2	50.3	18	1721		135.633

Type 5 Radar Waveform_18

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	1	99.4	14			187.239
2	3	56.7	14	1335	1514	670.42
3	1	90.4	14			741.71
4	2	70.1	14	1479		3.43
5	3	80	14	1107	1054	113.59
6	2	65.4	14	1955		208.11
7	2	59.7	14	1825		163.08
8	2	96.4	14	1409		543.88
9	1	68.3	14			339.59
10	3	88.9	14	1113	1937	24.31
11	2	83.3	14	1757		610.28
12	1	75.5	14			489.9
13	1	58	14			99.26
14	2	88.8	14	1826		686.4
15	2	69.7	14	1911		9.7
16	1	57.6	14			698.8

Type 5 Radar Waveform_19

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	88.9	7	1938		369.661
2	3	92.7	7	1801	1278	500.637
3	1	86.6	7			335.893
4	2	86	7	1297		367.76
5	3	59.9	7	1926	1179	501.317
6	2	50.3	7	1818		964.813
7	3	70.4	7	1225	1478	560.76
8	2	89.8	7	1400		487.967
9	2	79.4	7	1432		316.033

Type 5 Radar Waveform_20

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	99.4	20	1556		193.107
2	2	95	20	1369		731.92
3	3	64.3	20	1365	1026	457.21
4	3	52	20	1713	1534	696.51
5	2	76.4	20	1926		273.39
6	1	54.6	20			706.25
7	3	65.9	20	1126	1461	463.51
8	1	93.3	20			571.77
9	3	88.3	20	1069	1505	77.73
10	1	79	20			222.46
11	1	94.3	20			117.25
12	1	63.2	20			3.37
13	3	79.6	20	1218	1239	52.62
14	2	91.8	20	1381		614.9
15	2	70	20	1531		429.1
16	1	80.8	20			582.5

Type 5 Radar Waveform_21

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	54.8	6	1239		605.013
2	1	85.3	6			358.463
3	2	89.7	6	1410		888.726
4	3	89.2	6	1387	1036	180.859
5	1	69.9	6			647.852
6	3	92.7	6	1496	1578	210.125
7	1	78	6			730.558
8	1	85.7	6			629.292
9	2	81	6	1523		36.775
10	2	64.3	6	1996		817.748
11	2	91	6	1970		224.191
12	1	58.1	6			662.154
13	3	91.6	6	1220	1796	537.977

Type 5 Radar Waveform_22

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	95.2	10	1019	1693	310.025
2	1	88.1	10			79.038
3	2	53.6	10	1352		468.665
4	2	69.2	10	1712		74.483
5	3	58	10	1583	1560	593.201
6	2	72.3	10	1527		294.758
7	3	84.2	10	1642	1566	34.166
8	2	82.1	10	1377		509.474
9	2	75.7	10	1006		182.831
10	2	76.3	10	1627		203.079
11	2	72.3	10	1025		594.246
12	3	55.3	10	1206	1706	317.204
13	3	63.6	10	1535	1643	656.872
14	1	91.8	10			162.199
15	1	70.1	10			568.947
16	1	75.5	10			585.765
17	2	50.7	10	1763		235.082

Type 5 Radar Waveform_23						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	66.2	16	1735		613.03
2	1	61	16			741.627
3	2	75.9	16	1841		844.943
4	2	66.8	16	1008		650.98
5	1	60.1	16			7.517
6	2	54.6	16	1022		1316.593
7	2	77.7	16	1220		1156.66
8	1	96.7	16			1285.567
9	3	80.4	16	1903	1763	884.233

Type 5 Radar Waveform_24						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	69.4	7	1805	1554	34.914
2	1	65.8	7			696.067
3	2	97.5	7	1098		69.484
4	1	69.2	7			345.901
5	1	93	7			695.469
6	3	89.5	7	1959	1991	280.556
7	2	90	7	1358		247.243
8	2	86.2	7	1372		611.5
9	1	76.3	7			791.847
10	1	51.7	7			361.524
11	2	62.3	7	1182		598.801
12	2	64.4	7	1500		50.659
13	2	57.3	7	1529		578.686
14	2	61.8	7	1026		364.943

Type 5 Radar Waveform_25						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	55.9	5	1172		928.427
2	2	68.9	5	1526		180.497
3	1	62.2	5			1086.243
4	2	96.9	5	1404		292.26
5	2	95.9	5	1475		185.737
6	3	64.1	5	1886	1675	1031.783
7	2	89.4	5	1686		65.18
8	2	90.9	5	1797		373.137
9	3	77.9	5	1977	1459	52.933

Type 5 Radar Waveform_26

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	96.3	9	1144		256.996
2	2	89	9	1366		42.44
3	2	94	9	1696		611.342
4	2	93.4	9	1976		536.533
5	3	66.9	9	1186	1879	89.464
6	3	74.3	9	1973	1247	570.065
7	2	62.3	9	1485		395.736
8	2	92.6	9	1735		325.177
9	1	92.2	9			424.118
10	1	50.5	9			5.589
11	2	75.1	9	1903		280.051
12	1	51.8	9			515.162
13	1	80.4	9			214.573
14	2	74.8	9	1472		416.644
15	2	95.3	9	1869		327.645
16	2	81.2	9	1606		133.436
17	2	88.1	9	1358		141.837
18	2	55.2	9	1335		570.458
19	1	52.9	9			64.279

Type 5 Radar Waveform_27

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	3	81.8	6	1673	1675	1254.02
2	1	84.6	6			1252.237
3	2	98.5	6	1662		669.533
4	1	59.9	6			283.56
5	2	52.5	6	1789		475.777
6	1	89.1	6			196.003
7	1	76.4	6			538.3
8	2	89.2	6	1181		1078.167
9	2	64.2	6	1455		389.133

Type 5 Radar Waveform_28

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	3	63.1	6	1508	1221	83.363
2	3	75.4	6	1533	1936	176.991
3	1	50.7	6			617.832
4	1	91.2	6			493.663
5	2	70.2	6	1649		48.544
6	1	96.7	6			439.475
7	2	55.7	6	1468		471.676
8	2	78.3	6	1509		526.947
9	3	60.4	6	1287	1868	593.218
10	2	95.8	6	1813		13.669
11	1	82.9	6			80.041
12	2	79	6	1729		189.082
13	1	66.5	6			313.903
14	1	66.5	6			300.024
15	3	57.7	6	1321	1538	190.135
16	2	80.5	6	1955		459.676
17	2	52.3	6	1196		574.337
18	2	86.7	6	1277		601.258
19	3	79.9	6	1517	1762	518.179

Type 5 Radar Waveform_29

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	53.1	18	1829		379.878
2	2	50.4	18	1545		324.86
3	2	61.8	18	1776		598.1
4	2	55.7	18	1596		548.7
5	1	92.8	18			221.65
6	3	66.5	18	1897	1657	591.5
7	3	67.1	18	1789	1815	669.13
8	2	91.1	18	1019		126.28
9	2	79.7	18	1385		443.76
10	2	57.7	18	1284		735.19
11	2	67.6	18	1477		156.45
12	2	79.9	18	1213		65
13	1	98.9	18			449.58
14	2	61.5	18	1891		210.26
15	1	70.2	18			345.3
16	3	84.8	18	1969	1021	728

Type 5 Radar Waveform_30

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	98.8	14	1385		434.666
2	2	51.1	14	1882		344.472
3	3	86.8	14	1481	1328	298.362
4	1	88.2	14			346.133
5	1	96.6	14			111.434
6	1	73.1	14			421.515
7	2	61.8	14	1561		462.466
8	2	72.8	14	1807		208.777
9	3	74	14	1858	1266	604.768
10	2	60.1	14	1607		572.589
11	3	53	14	1269	1751	595.711
12	3	91.9	14	1477	1572	37.652
13	2	64.7	14	1180		425.873
14	3	98.9	14	1010	1354	31.814
15	1	50	14			533.955
16	1	73.4	14			190.646
17	3	67.3	14	1864	1018	378.837
18	3	61.9	14	1363	1252	4.058
19	1	52.9	14			180.379

Radar Type 6 - Radar Statistical Performance

Trail #	1=Detection 0=No Detection	Trail #	1=Detection 0=No Detection
1	1	15	1
2	1	16	1
3	1	17	1
4	1	18	1
5	1	19	1
6	1	20	1
7	1	21	1
8	1	22	1
9	1	23	1
10	1	24	1
11	1	25	1
12	1	26	1
13	1	27	1
14	1	28	1
15	1	29	1
Detection Percentage (%)		100%	

Type 6 Radar Waveform_1				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
8	5.51	5.494	40	*
18	5.51	5.53	40	*
21	5.51	5.508	40	*
27	5.51	5.523	40	*
40	5.51	5.512	40	*
45	5.51	5.504	40	*
50	5.51	5.517	40	*
62	5.51	5.526	40	*
67	5.51	5.519	40	*
72	5.51	5.514	40	*
77	5.51	5.522	40	*
80	5.51	5.505	40	*
84	5.51	5.501	40	*
93	5.51	5.516	40	*

Type 6 Radar Waveform_2				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
16	5.51	5.498	40	*
25	5.51	5.493	40	*
27	5.51	5.519	40	*
29	5.51	5.521	40	*
31	5.51	5.511	40	*
36	5.51	5.512	40	*
54	5.51	5.491	40	*
77	5.51	5.515	40	*
83	5.51	5.514	40	*
91	5.51	5.51	40	*

Type 6 Radar Waveform_3				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.51	5.509	40	*
6	5.51	5.522	40	*
22	5.51	5.526	40	*
25	5.51	5.49	40	*
26	5.51	5.523	40	*
32	5.51	5.525	40	*
37	5.51	5.497	40	*
39	5.51	5.527	40	*
70	5.51	5.515	40	*
85	5.51	5.493	40	*
86	5.51	5.511	40	*

Type 6 Radar Waveform_4				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
26	5.51	5.493	40	*
38	5.51	5.526	40	*
59	5.51	5.506	40	*
71	5.51	5.527	40	*
84	5.51	5.505	40	*
87	5.51	5.5	40	*

Type 6 Radar Waveform_5				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
7	5.51	5.495	40	*
14	5.51	5.496	40	*
91	5.51	5.524	40	*

Type 6 Radar Waveform_6				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.51	5.49	40	*
14	5.51	5.502	40	*
24	5.51	5.507	40	*
33	5.51	5.53	40	*
57	5.51	5.527	40	*
86	5.51	5.515	40	*
88	5.51	5.496	40	*

Type 6 Radar Waveform_7				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.51	5.493	40	*
26	5.51	5.512	40	*
29	5.51	5.519	40	*
39	5.51	5.492	40	*
44	5.51	5.513	40	*
49	5.51	5.499	40	*
51	5.51	5.518	40	*
56	5.51	5.509	40	*
57	5.51	5.514	40	*
64	5.51	5.525	40	*
80	5.51	5.494	40	*
88	5.51	5.495	40	*

Type 6 Radar Waveform_8				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
19	5.51	5.519	40	*
27	5.51	5.504	40	*
35	5.51	5.501	40	*
47	5.51	5.515	40	*
65	5.51	5.521	40	*
66	5.51	5.509	40	*

Type 6 Radar Waveform_9				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.51	5.496	40	*
18	5.51	5.503	40	*
52	5.51	5.515	40	*
53	5.51	5.523	40	*
74	5.51	5.506	40	*
91	5.51	5.511	40	*

Type 6 Radar Waveform_10				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
9	5.51	5.507	40	*
25	5.51	5.528	40	*
33	5.51	5.529	40	*
49	5.51	5.512	40	*
52	5.51	5.496	40	*
54	5.51	5.497	40	*
67	5.51	5.521	40	*
79	5.51	5.502	40	*
80	5.51	5.499	40	*
83	5.51	5.511	40	*
85	5.51	5.49	40	*
88	5.51	5.53	40	*
89	5.51	5.493	40	*
100	5.51	5.524	40	*

Type 6 Radar Waveform_11				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.51	5.522	40	*
18	5.51	5.508	40	*
38	5.51	5.492	40	*
47	5.51	5.514	40	*
48	5.51	5.513	40	*
49	5.51	5.528	40	*
57	5.51	5.527	40	*
61	5.51	5.509	40	*
70	5.51	5.523	40	*
72	5.51	5.518	40	*
74	5.51	5.512	40	*

Type 6 Radar Waveform_12				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
17	5.51	5.514	40	*
20	5.51	5.503	40	*
33	5.51	5.5	40	*
39	5.51	5.491	40	*
41	5.51	5.508	40	*
56	5.51	5.526	40	*
64	5.51	5.523	40	*
65	5.51	5.512	40	*
74	5.51	5.518	40	*

Type 6 Radar Waveform_13				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
20	5.51	5.499	40	*
23	5.51	5.495	40	*
28	5.51	5.518	40	*
40	5.51	5.493	40	*
42	5.51	5.523	40	*
44	5.51	5.53	40	*
53	5.51	5.503	40	*
56	5.51	5.504	40	*
66	5.51	5.508	40	*
89	5.51	5.498	40	*
92	5.51	5.525	40	*

Type 6 Radar Waveform_14				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.51	5.509	40	*
14	5.51	5.529	40	*
22	5.51	5.501	40	*
23	5.51	5.506	40	*
27	5.51	5.518	40	*
28	5.51	5.503	40	*
29	5.51	5.519	40	*
41	5.51	5.498	40	*
45	5.51	5.527	40	*
63	5.51	5.504	40	*
78	5.51	5.524	40	*

Type 6 Radar Waveform_15				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.51	5.519	40	*
5	5.51	5.494	40	*
8	5.51	5.495	40	*
14	5.51	5.524	40	*
16	5.51	5.511	40	*
44	5.51	5.517	40	*
58	5.51	5.528	40	*
60	5.51	5.496	40	*
68	5.51	5.504	40	*
74	5.51	5.509	40	*
84	5.51	5.5	40	*
85	5.51	5.51	40	*
94	5.51	5.508	40	*
95	5.51	5.513	40	*

Type 6 Radar Waveform_16				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.51	5.514	40	*
20	5.51	5.503	40	*
26	5.51	5.506	40	*
50	5.51	5.495	40	*
51	5.51	5.526	40	*
65	5.51	5.5	40	*
88	5.51	5.499	40	*

Type 6 Radar Waveform_17				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
8	5.51	5.53	40	*
25	5.51	5.509	40	*
40	5.51	5.522	40	*
42	5.51	5.496	40	*
60	5.51	5.516	40	*
62	5.51	5.503	40	*
66	5.51	5.497	40	*
95	5.51	5.526	40	*

Type 6 Radar Waveform_18				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.51	5.507	40	*
74	5.51	5.505	40	*
80	5.51	5.529	40	*
82	5.51	5.498	40	*
97	5.51	5.527	40	*

Type 6 Radar Waveform_19				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.51	5.529	40	*
10	5.51	5.517	40	*
22	5.51	5.525	40	*
36	5.51	5.513	40	*
41	5.51	5.504	40	*
47	5.51	5.521	40	*
69	5.51	5.519	40	*
77	5.51	5.509	40	*
81	5.51	5.503	40	*
90	5.51	5.492	40	*
91	5.51	5.518	40	*

Type 6 Radar Waveform_20				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
8	5.51	5.508	40	*
12	5.51	5.497	40	*
37	5.51	5.505	40	*
45	5.51	5.5	40	*
48	5.51	5.506	40	*
62	5.51	5.507	40	*
72	5.51	5.522	40	*
96	5.51	5.516	40	*
100	5.51	5.526	40	*

Type 6 Radar Waveform_21				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
8	5.51	5.521	40	*
16	5.51	5.506	40	*
22	5.51	5.504	40	*
38	5.51	5.499	40	*
73	5.51	5.52	40	*
76	5.51	5.522	40	*
79	5.51	5.502	40	*
82	5.51	5.525	40	*
84	5.51	5.518	40	*
88	5.51	5.511	40	*

Type 6 Radar Waveform_22				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.51	5.494	40	*
53	5.51	5.508	40	*
68	5.51	5.506	40	*
76	5.51	5.529	40	*

Type 6 Radar Waveform_23				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
16	5.51	5.493	40	*
21	5.51	5.509	40	*
33	5.51	5.524	40	*
73	5.51	5.501	40	*
87	5.51	5.529	40	*
92	5.51	5.519	40	*

Type 6 Radar Waveform_24				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.51	5.507	40	*
11	5.51	5.526	40	*
31	5.51	5.522	40	*
52	5.51	5.509	40	*
75	5.51	5.508	40	*

Type 6 Radar Waveform_25				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
16	5.51	5.508	40	*
18	5.51	5.503	40	*
19	5.51	5.509	40	*
65	5.51	5.514	40	*
74	5.51	5.497	40	*

Type 6 Radar Waveform_26				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.51	5.504	40	*
14	5.51	5.506	40	*
19	5.51	5.491	40	*
23	5.51	5.518	40	*
25	5.51	5.503	40	*
39	5.51	5.516	40	*
41	5.51	5.499	40	*
53	5.51	5.525	40	*
58	5.51	5.494	40	*
59	5.51	5.512	40	*
67	5.51	5.501	40	*
68	5.51	5.5	40	*
75	5.51	5.521	40	*
82	5.51	5.508	40	*
92	5.51	5.495	40	*
99	5.51	5.496	40	*

Type 6 Radar Waveform_27				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.51	5.5	40	*
7	5.51	5.493	40	*
11	5.51	5.492	40	*
27	5.51	5.519	40	*
31	5.51	5.526	40	*
39	5.51	5.495	40	*
76	5.51	5.499	40	*
93	5.51	5.528	40	*

Type 6 Radar Waveform_28				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
22	5.51	5.509	40	*
25	5.51	5.505	40	*
63	5.51	5.493	40	*
65	5.51	5.53	40	*

Type 6 Radar Waveform_29				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
14	5.51	5.509	40	*
24	5.51	5.49	40	*
26	5.51	5.491	40	*
33	5.51	5.499	40	*
39	5.51	5.494	40	*
68	5.51	5.516	40	*
84	5.51	5.52	40	*
88	5.51	5.522	40	*
99	5.51	5.53	40	*

Type 6 Radar Waveform_30				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.51	5.506	40	*
8	5.51	5.498	40	*
18	5.51	5.512	40	*
30	5.51	5.524	40	*
45	5.51	5.527	40	*
48	5.51	5.507	40	*
50	5.51	5.494	40	*
56	5.51	5.523	40	*
71	5.51	5.513	40	*
79	5.51	5.495	40	*
85	5.51	5.514	40	*

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/02/28		
Test Item	Radar Statistical Performance Check (802.11ax-HE80 – 5530MHz)		

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5541	1	778	68	1
2	5562	1	718	74	1
3	5543	1	818	65	1
4	5504	1	558	95	1
5	5548	1	638	83	1
6	5546	1	858	62	1
7	5551	1	758	70	1
8	5554	1	818	65	1
9	5563	1	878	61	1
10	5530	1	878	61	1
11	5490	1	718	74	1
12	5559	1	758	70	1
13	5518	1	618	86	1
14	5545	1	3066	18	1
15	5561	1	898	59	1
16	5497	1	658	81	1
17	5558	1	678	78	1
18	5544	1	678	78	1
19	5556	1	618	86	1
20	5569	1	918	58	1
21	5510	1	718	74	1
22	5546	1	818	65	1
23	5494	1	858	62	1
24	5510	1	638	83	1
25	5524	1	578	92	1
26	5558	1	638	83	1

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
27	5519	1	598	89	1
28	5570	1	578	92	1
29	5548	1	938	57	1
30	5549	1	938	57	1
Detection Percentage (%)					100.0%

Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5531	1.3	193	29	1
2	5524	3.6	175	28	1
3	5550	1.4	154	26	1
4	5490	1.7	207	28	1
5	5512	3.5	209	24	1
6	5532	4.4	178	28	0
7	5526	3.1	165	26	1
8	5533	1.6	165	24	1
9	5530	4.5	203	26	1
10	5515	3.7	157	27	1
11	5539	1.9	187	26	1
12	5542	1.1	208	29	1
13	5548	5	151	27	1
14	5557	3.1	222	25	1
15	5538	4.1	228	23	1
16	5535	1.2	207	25	1
17	5555	4	169	28	1
18	5522	2.2	171	28	1
19	5522	1.2	184	25	1
20	5493	3.7	154	25	0
21	5570	1.1	171	26	1
22	5544	1.5	173	24	1
23	5539	4.7	179	29	1
24	5534	2.7	175	24	1
25	5533	2.3	166	27	1
26	5557	1.2	166	27	1
27	5522	1.4	181	26	1
28	5505	2.3	224	24	1
29	5561	4.2	194	28	1
30	5535	4.5	185	28	1
Detection Percentage (%)					93.3%

Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5553	9	481	17	1
2	5490	9.2	229	16	0
3	5505	6.3	488	17	1
4	5555	9.8	294	17	1
5	5509	8.3	444	17	1
6	5504	8	207	18	1
7	5498	9.4	463	16	1
8	5532	7.6	483	18	1
9	5548	6.1	209	17	1
10	5562	8.6	400	17	1
11	5509	8.9	405	16	1
12	5570	9.8	424	18	1
13	5521	9.6	480	18	0
14	5514	8.5	346	18	1
15	5492	9.4	314	17	1
16	5564	6.8	266	17	1
17	5507	7.3	336	18	1
18	5560	8.8	477	17	0
19	5524	7.8	377	18	1
20	5524	6.9	423	16	1
21	5570	9	407	16	1
22	5553	9.6	208	17	1
23	5520	8	377	17	1
24	5553	10	373	18	1
25	5524	8	460	17	1
26	5533	9.8	452	16	1
27	5530	7	317	17	1
28	5508	7.7	331	17	0
29	5530	7	388	16	1
30	5538	6.3	344	17	1
Detection Percentage (%)					86.7%

Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5560	17	325	15	1
2	5552	11.2	398	12	1
3	5568	16.4	379	16	1
4	5534	19.6	498	15	1
5	5527	16.6	273	14	0
6	5491	16.8	281	14	1
7	5507	12.1	419	14	1
8	5490	13.1	422	12	0
9	5538	14.3	478	13	1
10	5541	17.3	396	15	1
11	5545	17.4	441	13	1
12	5496	12.7	337	15	1
13	5512	13.5	292	15	1
14	5570	11.6	452	14	1
15	5515	18.9	343	14	1
16	5506	19.3	253	13	1
17	5498	19.3	450	12	1
18	5521	17.2	408	16	1
19	5503	17.6	423	12	1
20	5559	17.5	319	14	1
21	5528	18.8	438	15	1
22	5504	15.4	263	15	1
23	5535	14.9	410	14	1
24	5557	19.1	495	14	1
25	5530	13.7	360	14	1
26	5570	19	249	15	1
27	5518	19.6	238	13	1
28	5523	17.5	364	15	1
29	5565	20	474	14	1
30	5533	15.8	256	15	0
Detection Percentage (%)					90.0%

Note: In addition, an average minimum percentage of successful detection across all four Short pulse radar test waveforms is as follows: $\frac{P_d1+P_d2+P_d3+P_d4}{4}$ = (100.0%+93.3%+86.7%+90.0%)/4 = 92.5% (>80%)

Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5530	1	16	5494	1
2	5530	1	17	5493.6	1
3	5530	1	18	5495.6	1
4	5530	1	19	5497.2	1
5	5530	1	20	5495.2	1
6	5530	1	21	5562	1
7	5530	1	22	5562.8	1
8	5530	1	23	5566.4	1
9	5530	1	24	5568	1
10	5530	1	25	5567.2	1
11	5492.4	1	26	5568	1
12	5498	1	27	5565.6	1
13	5493.6	1	28	5567.6	1
14	5496.4	1	29	5562.4	0
15	5492.4	1	30	5566	1
Detection Percentage (%)					96.7%

Type 5 Radar Waveform_1						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	75.6	12	1267	1972	693.455
2	2	72.4	12	1987		6.153
3	1	63.6	12			729.63
4	1	50.2	12			673.69
5	1	78.7	12			171.58
6	3	99.5	12	1352	1961	435.81
7	3	72.5	12	1313	1438	284.79
8	3	54.3	12	1322	1627	147.89
9	2	66.9	12	1978		553.78
10	2	96.2	12	1729		693.85
11	3	86.4	12	1363	1199	668.08
12	1	67.9	12			206.14
13	2	61.8	12	1913		75.47
14	2	65.9	12	1989		420.5
15	1	53.4	12			592.8
16	1	88.9	12			160.2

Type 5 Radar Waveform_2

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	1	55.3	10			289.072
2	2	61.5	10	1498		220.814
3	2	71.5	10	1060		548.16
4	1	66	10			431.59
5	2	72.7	10	1587		261.62
6	1	71.8	10			456.3
7	1	68.5	10			128.64
8	1	60.8	10			232.74
9	1	65.7	10			470.38
10	2	85.7	10	1675		488.99
11	2	74.7	10	1587		219.69
12	2	86.4	10	1107		454.77
13	2	84.7	10	1324		19.77
14	3	76.1	10	1324	1352	357.86
15	2	96.7	10	1100		331.63
16	1	77	10			158.41
17	2	50.2	10	1502		422.6
18	2	57.2	10	1030		47.1
19	2	93.4	10	1949		146.2
20	3	51.8	10	1499	1925	181.8

Type 5 Radar Waveform_3

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	93.9	13	1813		520.547
2	2	72.7	13	1290		657.741
3	3	60.2	13	1512	1003	786.112
4	1	78.4	13			469.253
5	2	93.7	13	1961		94.504
6	3	90.7	13	1343	1114	820.645
7	2	86.1	13	1847		675.445
8	3	63.6	13	1090	1894	137.486
9	2	96.4	13	1040		401.967
10	1	93.1	13			807.618
11	2	90.1	13	1898		23.009

Type 5 Radar Waveform_4

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	73.9	14	1579		846.624
2	1	90.5	14			487.003
3	2	76.1	14	1031		224.276
4	1	80	14			904.789
5	1	65	14			894.262
6	2	67.1	14	1746		787.235
7	2	80.2	14	1393		670.498
8	1	97.4	14			348.892
9	2	82.1	14	1666		825.175
10	1	75.8	14			773.418
11	2	89.8	14	1652		878.331
12	3	61.8	14	1162	1036	276.854
13	2	50.9	14	1682		111.877

Type 5 Radar Waveform_5						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	62.8	10	1215		389.661
2	1	71.5	10			115.987
3	1	65.7	10			334.422
4	3	74.3	10	1691	1950	392.083
5	1	96.5	10			553.564
6	1	70	10			494.775
7	2	86.1	10	1575		49.986
8	3	52	10	1948	1018	531.127
9	2	84.4	10	1732		457.978
10	1	54.9	10			225.309
11	2	88	10	1719		460.671
12	2	53.6	10	1711		331.192
13	3	97.6	10	1411	1908	566.813
14	2	87	10	1594		238.924
15	1	90.4	10			279.565
16	2	91.9	10	1321		363.046
17	1	78.1	10			219.837
18	2	60.5	10	1355		128.458
19	2	67	10	1333		172.179

Type 5 Radar Waveform_6						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	98.9	14	1365	1028	943.815
2	2	69.8	14	1206		1181.53
3	3	70.9	14	1592	1896	942.75
4	2	78.1	14	1743		222.61
5	1	75.5	14			1126.61
6	1	75.1	14			1126.27
7	1	68.3	14			722.24
8	3	60.1	14	1099	1352	262.93
9	3	67.1	14	1786	1308	737.4
10	2	99.9	14	1107		703.2

Type 5 Radar Waveform_7						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	72.5	16	1604		338.062
2	1	50.3	16			279.363
3	2	90.2	16	1325		320.516
4	2	72.3	16	1240		226.589
5	2	87.7	16	1237		714.012
6	3	51.7	16	1467	1209	328.285
7	1	83.4	16			70.188
8	2	80.7	16	1205		20.662
9	2	93.5	16	1853		866.395
10	3	69.3	16	1979	1181	75.238
11	2	98.1	16	1704		225.231
12	2	93.3	16	1315		149.754
13	2	69.1	16	1283		183.777

Type 5 Radar Waveform_8

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μ sec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	97	7	1289		391.836
2	2	58.4	7	1230		230.227
3	1	76.6	7			1207.473
4	2	92.4	7	1881		934.29
5	2	52.1	7	1036		502.007
6	2	50.2	7	1904		600.823
7	1	72.6	7			1225.09
8	1	52.3	7			1088.967
9	3	57.3	7	1280	1259	1321.833

Type 5 Radar Waveform_9

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	3	51.7	14	1033	1559	397.239
2	2	53.7	14	1459		612.291
3	3	68.7	14	1325	1555	344.382
4	2	67.9	14	1546		290.913
5	2	93.3	14	1349		484.914
6	2	66.6	14	1502		362.705
7	2	86.1	14	1522		511.806
8	2	82.9	14	1058		262.697
9	2	90.4	14	1419		241.528
10	3	67.9	14	1647	1764	424.469
11	3	55.5	14	1291	1214	26.151
12	1	94	14			468.782
13	2	66.5	14	1588		341.913
14	3	50.1	14	1663	1391	137.454
15	2	78	14	1915		280.785
16	2	69.4	14	1551		610.916
17	2	55.2	14	1414		443.037
18	1	91	14			198.058
19	1	71.8	14			102.279

Type 5 Radar Waveform_10

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	1	94.9	18			424.467
2	2	63.1	18	1089		38.578
3	1	58.5	18			486.26
4	2	62.5	18	1590		777.89
5	2	59.7	18	1138		9.8
6	2	66.6	18	1205		39.33
7	2	92.6	18	1079		430.69
8	2	76.9	18	1235		145.71
9	1	81.4	18			791.74
10	1	72.4	18			580.89
11	3	76.9	18	1059	1294	524.45
12	3	63.9	18	1164	1143	535.11
13	2	72.9	18	1661		222.97
14	3	57.4	18	1197	1509	777.6
15	2	83.7	18	1477		598.3

Type 5 Radar Waveform_11

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	65.2	6			603.879
2	2	63.2	6	1272		669.241
3	2	77	6	1424		954.252
4	3	87.3	6	1978	1894	521.383
5	2	70.1	6	1967		833.894
6	3	61.2	6	1690	1724	483.925
7	2	66.7	6	1086		444.345
8	1	83	6			128.886
9	2	68.1	6	1240		507.367
10	3	79.7	6	1492	1209	1004.418
11	3	67	6	1461	1103	455.909

Type 5 Radar Waveform_12

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	66.5	20	1106		412.348
2	3	90.2	20	1467	1222	189.697
3	1	89.1	20			580.617
4	3	58.3	20	1128	1145	586.1
5	1	54.5	20			617.093
6	1	71	20			231.977
7	2	88.6	20	1321		555.89
8	2	86	20	1358		520.013
9	2	61.1	20	1716		40.567
10	2	97.3	20	1854		273.5
11	3	58.8	20	1880	1909	539.263
12	2	50.3	20	1767		474.157
13	1	77.1	20			212.42
14	3	80.4	20	1757	1045	310.653
15	3	96	20	1154	1581	214.637
16	2	52.9	20	1973		182.3
17	3	73.4	20	1837	1360	55.333
18	1	53.8	20			236.567

Type 5 Radar Waveform_13

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	72.5	9	1548		806.373
2	1	68.8	9			165.127
3	1	78.7	9			366.194
4	2	53.6	9	1795		33.561
5	1	96.2	9			193.799
6	2	59	9	1333		423.026
7	2	50.2	9	1425		696.923
8	2	72.4	9	1244		619.46
9	2	55.8	9	1372		441.787
10	3	73	9	1735	1550	689.934
11	2	68.3	9	1572		422.801
12	2	100	9	1353		472.369
13	1	63.3	9			836.386
14	2	60.9	9	1861		662.843

Type 5 Radar Waveform_14						
Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	1	81.9	16			545.104
2	1	88.7	16			645.47
3	2	54.5	16	1839		1132.16
4	3	53.7	16	1136	1440	1368.75
5	2	82.7	16	1916		289.19
6	2	64.8	16	1244		987.5
7	3	77.6	16	1014	1163	1286.1
8	3	79.1	16	1256	1646	1197.4

Type 5 Radar Waveform_15						
Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	3	75.9	6	1657	1279	122.299
2	2	62.6	6	1233		846.36
3	2	78.2	6	1313		914.74
4	2	88.7	6	1497		734.2
5	1	65.7	6			83.44
6	1	99	6			751.07
7	1	50	6			215.61
8	1	63.5	6			135.16
9	2	59.8	6	1152		588.33
10	3	56.5	6	1708	1024	225.63
11	2	53.9	6	1562		508.5
12	1	81.7	6			108.4

Type 5 Radar Waveform_16						
Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	73.9	10	1310		1130.06
2	3	92.1	10	1303	1740	624.837
3	1	90.7	10			639.043
4	1	60.8	10			532.13
5	2	52.1	10	1785		1257.277
6	3	98.4	10	1533	1498	91.523
7	1	63.3	10			384.05
8	3	88.9	10	1087	1991	792.167
9	1	96	10			474.133

Type 5 Radar Waveform_17						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	59.9	9	1960		384.495
2	2	99.7	9	1926		948.251
3	2	55.9	9	1680		953.872
4	1	76.9	9			1063.193
5	1	84.5	9			920.914
6	1	87.5	9			1007.255
7	3	69.2	9	1345	1038	905.355
8	2	50.3	9	1081		1077.156
9	2	58.3	9	1829		553.617
10	1	91.9	9			146.158
11	2	72.1	9	1559		520.409

Type 5 Radar Waveform_18						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	53.5	14	1802		193.716
2	1	94.8	14			124.433
3	1	91.6	14			355.026
4	2	50.4	14	1672		864.779
5	1	67	14			826.622
6	2	54.1	14	1151		383.925
7	2	89.5	14	1106		724.988
8	3	65.5	14	1003	1552	759.262
9	3	60.1	14	1447	1627	722.535
10	1	94.2	14			722.898
11	2	59	14	1123		527.131
12	1	92.4	14			782.254
13	2	76.2	14	1857		34.177

Type 5 Radar Waveform_19						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	87.2	18			551.014
2	2	82.9	18	1776		430.38
3	3	61.4	18	1901	1933	171.98
4	2	76.1	18	1015		699.56
5	3	68.3	18	1244	1644	141.03
6	2	85.1	18	1373		172.31
7	3	67.4	18	1603	1262	534.84
8	2	90.2	18	1756		127.31
9	2	82.2	18	1113		504.81
10	2	73.3	18	1874		285.03
11	1	99.3	18			58.97
12	2	93.9	18	1820		25.23
13	2	62.8	18	1378		280.09
14	3	78	18	1092	1313	678.9
15	1	68.8	18			109.8
16	2	83.1	18	1100		126

Type 5 Radar Waveform_20

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	72.7	13	1570		603.791
2	2	98	13	1477		335.823
3	1	66.1	13			324.387
4	2	96.1	13	1259		514.46
5	2	82.6	13	1516		343.133
6	2	72.2	13	1679		229.897
7	2	69.9	13	1241		520.54
8	3	74.9	13	1765	1551	535.733
9	2	93.8	13	1538		254.517
10	2	98.3	13	1801		495.38
11	2	88.2	13	1072		235.703
12	1	59.1	13			586.197
13	3	64.8	13	1779	1807	216.22
14	3	76.8	13	1538	1442	488.573
15	2	60.8	13	1937		518.007
16	2	89.6	13	1130		605.8
17	2	84.6	13	1760		197.333
18	2	50.9	13	1041		61.667

Type 5 Radar Waveform_21

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	91.4	20	1816		179.353
2	2	71.5	20	1880		115.836
3	2	99.8	20	1867		319
4	2	74.5	20	1521		107.1
5	2	57.4	20	1594		24.9
6	3	93.5	20	1005	1383	327.28
7	2	85.1	20	1506		235.88
8	2	83.2	20	1449		363.12
9	1	74.7	20			90.31
10	2	83.4	20	1861		215.33
11	2	64.7	20	1379		4.84
12	1	54.4	20			148.84
13	1	67.5	20			222.87
14	3	54.5	20	1531	1744	67.13
15	3	76.1	20	1110	1779	371.93
16	2	95.3	20	1623		168.88
17	1	87	20			167.37
18	3	74.4	20	1681	1551	10.9
19	1	66.1	20			340.2
20	2	92.4	20	1409		63.9

Type 5 Radar Waveform_22

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	73.5	18	1856	1435	527.658
2	1	60.3	18			449.8
3	2	83.5	18	1456		622.51
4	2	93.7	18	1152		287.77
5	1	72.3	18			265.31
6	1	56.2	18			89.89
7	2	98.9	18	1548		243.23
8	1	69.8	18			200.36
9	2	82.8	18	1835		127.22
10	1	97.8	18			597.93
11	3	53.2	18	1943	1147	39.41
12	2	70	18	1537		261.02
13	1	51.6	18			483.53
14	2	92	18	1867		679.4
15	2	62.1	18	1043		267.6
16	2	57.4	18	1322		396.4

Type 5 Radar Waveform_23

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	85.6	9			198.226
2	2	76.4	9	1617		610.313
3	1	63.4	9			88.657
4	2	83.4	9	1824		20.07
5	2	61.6	9	1413		334.913
6	2	75.3	9	1689		246.397
7	2	55.1	9	1278		423.92
8	2	50.6	9	1158		365.963
9	3	60.2	9	1551	1814	514.527
10	3	56.6	9	1099	1381	426.63
11	2	85.2	9	1621		134.693
12	1	74.4	9			239.497
13	1	64.7	9			424.2
14	1	78.4	9			401.263
15	3	56.8	9	1756	1155	615.337
16	2	92.7	9	1570		631.8
17	2	70.5	9	1414		9.733
18	3	76.6	9	1111	1626	36.667

Type 5 Radar Waveform_24

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	97.1	5	1823	1822	683.77
2	1	65.7	5			352.22
3	1	62.1	5			338.31
4	3	72.5	5	1549	1810	93.39
5	1	87.3	5			286.2
6	3	89.3	5	1345	1307	466.55
7	2	53.5	5	1503		56.6
8	1	65.2	5			211.07
9	3	56.2	5	1153	1984	242.35
10	1	80.5	5			106.24
11	3	66.9	5	1936	1503	196.02
12	2	89.5	5	1239		241.3
13	3	71.6	5	1373	1502	351.77
14	2	84.6	5	1286		234.43
15	2	66.8	5	1658		7.1
16	2	63.8	5	1398		212.2

Type 5 Radar Waveform_25

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	97.8	7	1685	1711	124.141
2	3	56.7	7	1412	1158	206.846
3	2	75.6	7	1218		60.52
4	2	69.6	7	1620		73.68
5	3	82.1	7	1003	1471	395.44
6	2	53.5	7	1173		685.82
7	1	60.8	7			568.15
8	3	79.1	7	1019	1029	201.58
9	3	97.9	7	1573	1318	577.37
10	3	98.7	7	1456	1992	300.25
11	3	75.9	7	1540	1570	534.87
12	1	54.4	7			722.38
13	2	53	7	1720		454.42
14	2	50.8	7	1804		195.3
15	1	57.8	7			603.8
16	1	64	7			456.8

Type 5 Radar Waveform_26

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	79.7	5	1124		173.615
2	1	62.4	5			717.15
3	2	97.4	5	1357		759.29
4	2	98.9	5	1167		170.81
5	2	75.5	5	1914		227.93
6	3	53.1	5	1327	1083	549.66
7	2	86.9	5	1818		956.53
8	2	60.9	5	1568		383.5
9	1	60.2	5			875.61
10	2	61.2	5	1797		687.35
11	2	53.8	5	1154		738
12	2	64.3	5	1796		48.4

Type 5 Radar Waveform_27

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	64	11	1416		90.544
2	2	95.4	11	1383		333.72
3	2	52.3	11	1936		117.412
4	2	65	11	1666		101.783
5	1	84.6	11			516.574
6	3	50.2	11	1399	1481	179.665
7	1	74.2	11			607.456
8	2	83.2	11	1879		133.267
9	2	52.5	11	1725		426.398
10	1	57.8	11			79.589
11	1	51.9	11			147.101
12	2	54.2	11	1410		2.762
13	1	95.8	11			372.843
14	1	89.5	11			283.624
15	2	55.7	11	1132		228.135
16	3	71.1	11	1889	1840	57.516
17	2	99.4	11	1699		354.737
18	2	82.9	11	1394		76.058
19	1	90.8	11			270.879

Type 5 Radar Waveform_28

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	74.9	6	1916		912.21
2	3	75.3	6	1991	1747	385.891
3	3	69.1	6	1630	1275	831.002
4	2	85.7	6	1684		871.213
5	1	97.8	6			558.224
6	3	57.6	6	1399	1437	792.515
7	2	56.8	6	1964		824.975
8	3	89.9	6	1644	1385	171.336
9	2	75.4	6	1130		803.477
10	2	52.2	6	1540		488.418
11	1	79.1	6			400.309

Type 5 Radar Waveform_29						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	59.5	19	1832		545.7
2	2	54.4	19	1597		1050.297
3	2	65.9	19	1779		1251.563
4	2	99.2	19	1810		82.72
5	1	85.6	19			553.777
6	1	75.4	19			784.533
7	2	57.9	19	1709		738.12
8	1	88	19			1319.667
9	2	58.9	19	1528		695.033

Type 5 Radar Waveform_30						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	76.7	10	1821		305.198
2	3	87.5	10	1837	1025	248.877
3	2	91.8	10	1372		33.184
4	2	75.2	10	1081		757.011
5	2	63.6	10	1569		303.469
6	1	95.9	10			352.056
7	2	65.8	10	1562		428.813
8	1	53.6	10			317.15
9	2	63.3	10	1064		162.057
10	1	61	10			288.504
11	3	51.8	10	1577	1019	550.351
12	3	76.4	10	1028	1478	336.559
13	3	87.5	10	1364	1283	848.586
14	2	52.5	10	1416		501.543

Radar Type 6 - Radar Statistical Performance

Trail #	1=Detection 0=No Detection	Trail #	1=Detection 0=No Detection
1	1	16	1
2	1	17	1
3	1	18	1
4	1	19	1
5	1	20	1
6	1	21	1
7	1	22	1
8	1	23	1
9	1	24	1
10	1	25	1
11	1	26	1
12	1	27	1
13	1	28	1
14	1	29	1
15	1	30	1
Detection Percentage (%)		100.0%	

Type 6 Radar Waveform_1				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.53	5.568	80	*
12	5.53	5.529	80	*
17	5.53	5.516	80	*
20	5.53	5.512	80	*
25	5.53	5.556	80	*
28	5.53	5.553	80	*
29	5.53	5.497	80	*
30	5.53	5.533	80	*
34	5.53	5.538	80	*
35	5.53	5.531	80	*
36	5.53	5.535	80	*
45	5.53	5.546	80	*
46	5.53	5.52	80	*
63	5.53	5.543	80	*
64	5.53	5.559	80	*
65	5.53	5.503	80	*
77	5.53	5.56	80	*
78	5.53	5.532	80	*
80	5.53	5.544	80	*
99	5.53	5.567	80	*

Type 6 Radar Waveform_2				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
8	5.53	5.496	80	*
18	5.53	5.506	80	*
21	5.53	5.532	80	*
23	5.53	5.569	80	*
25	5.53	5.539	80	*
26	5.53	5.562	80	*
30	5.53	5.508	80	*
32	5.53	5.505	80	*
39	5.53	5.527	80	*
43	5.53	5.551	80	*
54	5.53	5.556	80	*
59	5.53	5.558	80	*
64	5.53	5.493	80	*
78	5.53	5.543	80	*
88	5.53	5.494	80	*
89	5.53	5.514	80	*
92	5.53	5.509	80	*
100	5.53	5.54	80	*

Type 6 Radar Waveform_3				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.53	5.563	80	*
11	5.53	5.516	80	*
16	5.53	5.543	80	*
21	5.53	5.539	80	*
25	5.53	5.492	80	*
33	5.53	5.529	80	*
59	5.53	5.56	80	*
61	5.53	5.535	80	*
70	5.53	5.533	80	*
71	5.53	5.531	80	*
87	5.53	5.566	80	*
88	5.53	5.558	80	*
90	5.53	5.561	80	*
95	5.53	5.502	80	*
98	5.53	5.494	80	*

Type 6 Radar Waveform_4				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
7	5.53	5.553	80	*
15	5.53	5.516	80	*
16	5.53	5.556	80	*
18	5.53	5.549	80	*
20	5.53	5.558	80	*
27	5.53	5.495	80	*
30	5.53	5.57	80	*
35	5.53	5.532	80	*
44	5.53	5.518	80	*
46	5.53	5.527	80	*
56	5.53	5.531	80	*
60	5.53	5.501	80	*
63	5.53	5.555	80	*
66	5.53	5.564	80	*
71	5.53	5.526	80	*
75	5.53	5.512	80	*
76	5.53	5.528	80	*
79	5.53	5.54	80	*
86	5.53	5.533	80	*

Type 6 Radar Waveform_5				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.53	5.528	80	*
18	5.53	5.494	80	*
24	5.53	5.55	80	*
27	5.53	5.538	80	*
29	5.53	5.498	80	*
32	5.53	5.49	80	*
33	5.53	5.57	80	*
36	5.53	5.531	80	*
40	5.53	5.536	80	*
41	5.53	5.559	80	*
49	5.53	5.524	80	*
53	5.53	5.563	80	*
66	5.53	5.547	80	*
81	5.53	5.552	80	*
91	5.53	5.495	80	*

Type 6 Radar Waveform_6				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.568	80	*
27	5.53	5.57	80	*
34	5.53	5.493	80	*
49	5.53	5.501	80	*
53	5.53	5.556	80	*
57	5.53	5.492	80	*
60	5.53	5.51	80	*
62	5.53	5.53	80	*
69	5.53	5.564	80	*
73	5.53	5.565	80	*
77	5.53	5.525	80	*
89	5.53	5.552	80	*
98	5.53	5.54	80	*
99	5.53	5.506	80	*

Type 6 Radar Waveform_7				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.53	5.517	80	*
6	5.53	5.551	80	*
7	5.53	5.496	80	*
12	5.53	5.51	80	*
15	5.53	5.552	80	*
20	5.53	5.527	80	*
26	5.53	5.565	80	*
27	5.53	5.559	80	*
34	5.53	5.507	80	*
42	5.53	5.542	80	*
54	5.53	5.536	80	*
59	5.53	5.547	80	*
63	5.53	5.568	80	*
72	5.53	5.535	80	*
73	5.53	5.549	80	*
86	5.53	5.563	80	*
92	5.53	5.512	80	*
100	5.53	5.56	80	*

Type 6 Radar Waveform_8				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.568	80	*
5	5.53	5.497	80	*
6	5.53	5.558	80	*
8	5.53	5.552	80	*
12	5.53	5.531	80	*
16	5.53	5.515	80	*
34	5.53	5.529	80	*
35	5.53	5.501	80	*
41	5.53	5.503	80	*
50	5.53	5.555	80	*
52	5.53	5.495	80	*
56	5.53	5.539	80	*
58	5.53	5.562	80	*
64	5.53	5.527	80	*
69	5.53	5.532	80	*
70	5.53	5.567	80	*
71	5.53	5.505	80	*
75	5.53	5.537	80	*
76	5.53	5.526	80	*
80	5.53	5.556	80	*
81	5.53	5.569	80	*
83	5.53	5.543	80	*
87	5.53	5.509	80	*
92	5.53	5.522	80	*

Type 6 Radar Waveform_9				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.53	5.566	80	*
5	5.53	5.511	80	*
12	5.53	5.563	80	*
24	5.53	5.547	80	*
25	5.53	5.505	80	*
32	5.53	5.57	80	*
37	5.53	5.502	80	*
41	5.53	5.55	80	*
49	5.53	5.498	80	*
77	5.53	5.565	80	*
79	5.53	5.495	80	*
82	5.53	5.554	80	*
85	5.53	5.509	80	*
92	5.53	5.531	80	*
98	5.53	5.53	80	*
100	5.53	5.552	80	*

Type 6 Radar Waveform_10				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
17	5.53	5.54	80	*
22	5.53	5.547	80	*
32	5.53	5.57	80	*
33	5.53	5.49	80	*
34	5.53	5.551	80	*
61	5.53	5.567	80	*
68	5.53	5.56	80	*
70	5.53	5.508	80	*
73	5.53	5.545	80	*
75	5.53	5.502	80	*
99	5.53	5.496	80	*

Type 6 Radar Waveform_11				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
8	5.53	5.514	80	*
10	5.53	5.567	80	*
20	5.53	5.547	80	*
25	5.53	5.557	80	*
27	5.53	5.523	80	*
32	5.53	5.515	80	*
33	5.53	5.494	80	*
44	5.53	5.543	80	*
45	5.53	5.535	80	*
48	5.53	5.526	80	*
54	5.53	5.566	80	*
57	5.53	5.548	80	*
64	5.53	5.49	80	*
90	5.53	5.563	80	*
91	5.53	5.55	80	*
94	5.53	5.554	80	*
95	5.53	5.54	80	*
97	5.53	5.546	80	*
98	5.53	5.524	80	*

Type 6 Radar Waveform_12				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
10	5.53	5.56	80	*
12	5.53	5.565	80	*
14	5.53	5.529	80	*
18	5.53	5.491	80	*
23	5.53	5.501	80	*
45	5.53	5.556	80	*
46	5.53	5.527	80	*
47	5.53	5.534	80	*
49	5.53	5.508	80	*
54	5.53	5.535	80	*
58	5.53	5.5	80	*
60	5.53	5.505	80	*
64	5.53	5.552	80	*
67	5.53	5.53	80	*
72	5.53	5.49	80	*
75	5.53	5.568	80	*
85	5.53	5.559	80	*
86	5.53	5.548	80	*
87	5.53	5.499	80	*
99	5.53	5.544	80	*

Type 6 Radar Waveform_13				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
13	5.53	5.495	80	*
15	5.53	5.535	80	*
20	5.53	5.569	80	*
21	5.53	5.491	80	*
28	5.53	5.504	80	*
31	5.53	5.549	80	*
37	5.53	5.556	80	*
38	5.53	5.567	80	*
39	5.53	5.541	80	*
41	5.53	5.511	80	*
44	5.53	5.54	80	*
45	5.53	5.532	80	*
48	5.53	5.516	80	*
59	5.53	5.509	80	*
66	5.53	5.496	80	*
67	5.53	5.557	80	*
72	5.53	5.501	80	*
74	5.53	5.533	80	*
93	5.53	5.525	80	*
95	5.53	5.57	80	*
100	5.53	5.545	80	*

Type 6 Radar Waveform_14				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.53	5.533	80	*
6	5.53	5.564	80	*
12	5.53	5.556	80	*
14	5.53	5.562	80	*
16	5.53	5.517	80	*
26	5.53	5.569	80	*
28	5.53	5.52	80	*
47	5.53	5.55	80	*
49	5.53	5.555	80	*
51	5.53	5.511	80	*
58	5.53	5.491	80	*
62	5.53	5.526	80	*
65	5.53	5.529	80	*
67	5.53	5.497	80	*
72	5.53	5.566	80	*
90	5.53	5.53	80	*
94	5.53	5.557	80	*

Type 6 Radar Waveform_15				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.53	5.503	80	*
8	5.53	5.559	80	*
14	5.53	5.522	80	*
19	5.53	5.551	80	*
29	5.53	5.538	80	*
31	5.53	5.515	80	*
37	5.53	5.552	80	*
43	5.53	5.528	80	*
50	5.53	5.554	80	*
55	5.53	5.513	80	*
62	5.53	5.532	80	*
64	5.53	5.548	80	*
72	5.53	5.53	80	*
89	5.53	5.539	80	*
90	5.53	5.496	80	*
91	5.53	5.504	80	*
92	5.53	5.523	80	*
93	5.53	5.517	80	*
95	5.53	5.57	80	*

Type 6 Radar Waveform_16				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.554	80	*
2	5.53	5.55	80	*
31	5.53	5.515	80	*
42	5.53	5.507	80	*
52	5.53	5.543	80	*
55	5.53	5.516	80	*
61	5.53	5.568	80	*
67	5.53	5.499	80	*
73	5.53	5.53	80	*
77	5.53	5.566	80	*
78	5.53	5.567	80	*
89	5.53	5.541	80	*
94	5.53	5.493	80	*
95	5.53	5.522	80	*
96	5.53	5.491	80	*

Type 6 Radar Waveform_17				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
9	5.53	5.523	80	*
13	5.53	5.52	80	*
23	5.53	5.527	80	*
25	5.53	5.524	80	*
33	5.53	5.491	80	*
38	5.53	5.504	80	*
45	5.53	5.521	80	*
49	5.53	5.534	80	*
50	5.53	5.552	80	*
59	5.53	5.502	80	*
60	5.53	5.538	80	*
62	5.53	5.558	80	*
70	5.53	5.507	80	*
99	5.53	5.514	80	*

Type 6 Radar Waveform_18				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
7	5.53	5.528	80	*
18	5.53	5.561	80	*
32	5.53	5.515	80	*
38	5.53	5.525	80	*
49	5.53	5.552	80	*
53	5.53	5.511	80	*
54	5.53	5.518	80	*
55	5.53	5.492	80	*
61	5.53	5.557	80	*
66	5.53	5.549	80	*
71	5.53	5.507	80	*
73	5.53	5.512	80	*
75	5.53	5.522	80	*
77	5.53	5.491	80	*
79	5.53	5.532	80	*
86	5.53	5.569	80	*
89	5.53	5.536	80	*
96	5.53	5.539	80	*
97	5.53	5.548	80	*
100	5.53	5.494	80	*

Type 6 Radar Waveform_19				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.53	5.556	80	*
9	5.53	5.541	80	*
17	5.53	5.566	80	*
21	5.53	5.537	80	*
28	5.53	5.505	80	*
34	5.53	5.53	80	*
43	5.53	5.495	80	*
49	5.53	5.534	80	*
52	5.53	5.496	80	*
57	5.53	5.508	80	*
67	5.53	5.525	80	*
78	5.53	5.546	80	*
80	5.53	5.523	80	*
81	5.53	5.494	80	*
83	5.53	5.57	80	*
90	5.53	5.533	80	*
91	5.53	5.544	80	*
92	5.53	5.535	80	*
99	5.53	5.497	80	*

Type 6 Radar Waveform_20				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
7	5.53	5.533	80	*
22	5.53	5.517	80	*
27	5.53	5.566	80	*
30	5.53	5.535	80	*
43	5.53	5.568	80	*
48	5.53	5.502	80	*
50	5.53	5.515	80	*
55	5.53	5.54	80	*
56	5.53	5.495	80	*
64	5.53	5.537	80	*
75	5.53	5.529	80	*
83	5.53	5.567	80	*
91	5.53	5.539	80	*
100	5.53	5.504	80	*

Type 6 Radar Waveform_21				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
18	5.53	5.531	80	*
21	5.53	5.564	80	*
27	5.53	5.562	80	*
31	5.53	5.49	80	*
33	5.53	5.55	80	*
38	5.53	5.53	80	*
39	5.53	5.502	80	*
43	5.53	5.548	80	*
45	5.53	5.505	80	*
46	5.53	5.538	80	*
47	5.53	5.545	80	*
52	5.53	5.532	80	*
57	5.53	5.527	80	*
66	5.53	5.501	80	*
70	5.53	5.493	80	*
75	5.53	5.515	80	*
80	5.53	5.555	80	*
83	5.53	5.508	80	*

Type 6 Radar Waveform_22				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.53	5.537	80	*
5	5.53	5.52	80	*
9	5.53	5.517	80	*
18	5.53	5.494	80	*
20	5.53	5.5	80	*
24	5.53	5.559	80	*
35	5.53	5.548	80	*
38	5.53	5.538	80	*
40	5.53	5.547	80	*
59	5.53	5.501	80	*
62	5.53	5.545	80	*
79	5.53	5.518	80	*
80	5.53	5.561	80	*
86	5.53	5.543	80	*
87	5.53	5.544	80	*
95	5.53	5.528	80	*
99	5.53	5.558	80	*

Type 6 Radar Waveform_23				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.53	5.492	80	*
24	5.53	5.551	80	*
25	5.53	5.528	80	*
26	5.53	5.549	80	*
28	5.53	5.545	80	*
33	5.53	5.561	80	*
44	5.53	5.553	80	*
49	5.53	5.511	80	*
57	5.53	5.498	80	*
58	5.53	5.512	80	*
59	5.53	5.554	80	*
65	5.53	5.491	80	*
72	5.53	5.558	80	*
86	5.53	5.53	80	*
91	5.53	5.514	80	*

Type 6 Radar Waveform_24				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
9	5.53	5.497	80	*
10	5.53	5.512	80	*
12	5.53	5.518	80	*
19	5.53	5.524	80	*
24	5.53	5.557	80	*
44	5.53	5.523	80	*
50	5.53	5.548	80	*
58	5.53	5.552	80	*
61	5.53	5.504	80	*
68	5.53	5.528	80	*
74	5.53	5.53	80	*
82	5.53	5.562	80	*
86	5.53	5.565	80	*
94	5.53	5.529	80	*

Type 6 Radar Waveform_25				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.53	5.544	80	*
11	5.53	5.567	80	*
15	5.53	5.498	80	*
16	5.53	5.539	80	*
17	5.53	5.512	80	*
22	5.53	5.535	80	*
32	5.53	5.507	80	*
35	5.53	5.525	80	*
48	5.53	5.494	80	*
49	5.53	5.519	80	*
50	5.53	5.529	80	*
63	5.53	5.561	80	*
66	5.53	5.523	80	*
78	5.53	5.53	80	*
87	5.53	5.5	80	*
90	5.53	5.569	80	*
92	5.53	5.508	80	*
93	5.53	5.552	80	*

Type 6 Radar Waveform_26				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.519	80	*
6	5.53	5.543	80	*
9	5.53	5.564	80	*
11	5.53	5.499	80	*
15	5.53	5.559	80	*
19	5.53	5.544	80	*
27	5.53	5.558	80	*
28	5.53	5.513	80	*
47	5.53	5.502	80	*
50	5.53	5.535	80	*
54	5.53	5.494	80	*
59	5.53	5.497	80	*
74	5.53	5.511	80	*
79	5.53	5.509	80	*
84	5.53	5.516	80	*
86	5.53	5.534	80	*
94	5.53	5.525	80	*

Type 6 Radar Waveform_27				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.53	5.5	80	*
10	5.53	5.492	80	*
19	5.53	5.547	80	*
30	5.53	5.556	80	*
38	5.53	5.498	80	*
41	5.53	5.565	80	*
45	5.53	5.493	80	*
46	5.53	5.545	80	*
58	5.53	5.491	80	*
64	5.53	5.564	80	*
65	5.53	5.566	80	*
69	5.53	5.52	80	*
73	5.53	5.548	80	*
79	5.53	5.537	80	*
83	5.53	5.504	80	*
86	5.53	5.55	80	*
91	5.53	5.57	80	*
92	5.53	5.539	80	*
93	5.53	5.521	80	*
98	5.53	5.554	80	*

Type 6 Radar Waveform_28				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.53	5.495	80	*
21	5.53	5.562	80	*
30	5.53	5.564	80	*
31	5.53	5.498	80	*
33	5.53	5.496	80	*
39	5.53	5.518	80	*
42	5.53	5.561	80	*
43	5.53	5.5	80	*
45	5.53	5.512	80	*
46	5.53	5.54	80	*
50	5.53	5.507	80	*
71	5.53	5.494	80	*
75	5.53	5.538	80	*
88	5.53	5.506	80	*
100	5.53	5.514	80	*

Type 6 Radar Waveform_29				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.516	80	*
5	5.53	5.554	80	*
10	5.53	5.524	80	*
14	5.53	5.497	80	*
18	5.53	5.494	80	*
19	5.53	5.557	80	*
23	5.53	5.553	80	*
41	5.53	5.505	80	*
57	5.53	5.525	80	*
59	5.53	5.503	80	*
60	5.53	5.519	80	*
68	5.53	5.559	80	*
73	5.53	5.508	80	*
76	5.53	5.534	80	*
86	5.53	5.551	80	*
87	5.53	5.56	80	*
100	5.53	5.501	80	*

Type 6 Radar Waveform_30				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.547	80	*
15	5.53	5.564	80	*
16	5.53	5.505	80	*
25	5.53	5.526	80	*
32	5.53	5.515	80	*
40	5.53	5.561	80	*
41	5.53	5.566	80	*
47	5.53	5.523	80	*
48	5.53	5.56	80	*
52	5.53	5.524	80	*
92	5.53	5.532	80	*
93	5.53	5.567	80	*
99	5.53	5.57	80	*

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/02/28		
Test Item	Radar Statistical Performance Check (802.11ax-HE160 – 5250MHz)		

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5311	1	898	59	1
2	5330	1	898	59	0
3	5303	1	658	81	1
4	5296	1	578	92	1
5	5324	1	898	59	1
6	5300	1	698	76	1
7	5318	1	578	92	1
8	5312	1	718	74	1
9	5285	1	818	65	1
10	5308	1	798	67	1
11	5280	1	558	95	1
12	5290	1	638	83	1
13	5307	1	898	59	1
14	5277	1	898	59	1
15	5267	1	738	72	1
16	5272	1	798	67	1
17	5256	1	838	63	1
18	5250	1	858	62	1
19	5296	1	558	95	1
20	5263	1	618	86	1
21	5289	1	798	67	1
22	5303	1	818	65	1
23	5268	1	878	61	0
24	5314	1	918	58	1
25	5254	1	558	95	1
26	5260	1	578	92	1

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
27	5269	1	698	76	1
28	5271	1	558	95	0
29	5316	1	878	61	1
30	5311	1	898	59	1
Detection Percentage (%)					90.0%

Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5315	2.7	211	26	1
2	5299	2.5	213	26	1
3	5328	2.1	189	23	1
4	5287	1.3	226	25	0
5	5302	2.2	184	24	1
6	5267	1.4	200	28	1
7	5269	1.9	152	28	0
8	5303	1.4	152	23	1
9	5281	4.9	172	25	1
10	5319	2	159	27	1
11	5330	2.4	202	27	0
12	5322	1.1	211	25	1
13	5283	2.3	197	25	1
14	5267	1.3	199	27	1
15	5259	2.4	176	23	1
16	5250	4.5	220	25	1
17	5261	4.2	158	23	1
18	5323	1.2	157	29	1
19	5288	4.5	187	26	1
20	5278	2	161	24	0
21	5258	4.7	211	24	1
22	5329	3.6	174	27	1
23	5252	4.4	185	24	1
24	5300	2	156	25	1
25	5306	2.8	210	28	1
26	5266	2	224	23	1
27	5290	2.5	190	28	1
28	5254	3	172	27	1
29	5279	3.7	222	23	1
30	5297	2.4	191	28	1
Detection Percentage (%)					86.7%

Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5325	7.7	371	17	1
2	5303	7.2	235	16	1
3	5277	8.9	398	16	1
4	5323	6.9	297	17	1
5	5255	8.4	365	17	1
6	5269	9.3	208	16	0
7	5330	6.9	220	17	1
8	5285	6.8	466	17	1
9	5315	9.4	431	18	1
10	5324	6.9	342	16	1
11	5286	6.7	343	16	1
12	5290	9.9	246	18	1
13	5257	9.5	275	17	1
14	5272	9.6	379	18	1
15	5316	8.6	317	17	1
16	5275	9.1	251	17	1
17	5323	8.4	308	17	1
18	5253	6.5	498	16	1
19	5293	9.1	322	16	1
20	5328	9.5	231	16	1
21	5306	9.8	395	16	1
22	5250	9.3	269	16	1
23	5327	6.3	258	18	1
24	5278	8.6	276	16	1
25	5264	8.8	495	17	1
26	5257	9.8	370	17	1
27	5320	9	251	18	1
28	5309	7.9	225	18	0
29	5253	8.2	442	17	1
30	5291	6	478	17	1
Detection Percentage (%)					93.3%

Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5277	15	474	14	1
2	5307	18.1	240	12	1
3	5330	11.3	372	14	1
4	5270	14.1	268	14	1
5	5269	15	327	12	1
6	5285	13.1	213	15	1
7	5257	13.2	459	12	1
8	5251	16.8	219	14	1
9	5290	14.8	382	14	1
10	5259	14.7	218	15	1
11	5309	14.3	227	13	1
12	5277	12.7	485	13	1
13	5288	16.9	284	13	1
14	5327	16.8	423	16	1
15	5283	18	228	15	1
16	5327	14.4	261	15	1
17	5274	14	403	13	0
18	5317	17.3	310	14	1
19	5283	19.5	456	15	1
20	5284	14.8	280	15	1
21	5301	13	263	14	1
22	5257	12.6	460	13	1
23	5312	18.9	411	13	1
24	5325	19.8	471	14	1
25	5271	18.5	430	12	1
26	5250	19.7	336	12	1
27	5318	11.9	497	15	1
28	5289	13.2	382	13	1
29	5267	14.1	277	15	1
30	5264	12.7	322	14	1
Detection Percentage (%)					96.7%

Note: In addition, an average minimum percentage of successful detection across all four Short pulse radar test waveforms is as follows: $\frac{P_d1+P_d2+P_d3+P_d4}{4}$ = (90.0%+86.7%+93.3%+96.7%)/4 = 91.7% (>80%)

Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5290	1	16	5254.4	1
2	5290	1	17	5254.4	1
3	5290	1	18	5252	1
4	5290	1	19	5253.2	1
5	5290	1	20	5252.8	1
6	5290	1	21	5326	0
7	5290	1	22	5328	0
8	5290	1	23	5327.6	1
9	5290	1	24	5323.6	1
10	5290	1	25	5322	1
11	5257.6	1	26	5323.6	0
12	5257.6	1	27	5327.6	0
13	5255.6	1	28	5323.6	1
14	5252.8	1	29	5328	0
15	5254	1	30	5326	0
Detection Percentage (%)					80.0%

Type 5 Radar Waveform_1

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	3	60.4	12	1089	1125	695.081
2	1	79.7	12			445.408
3	2	71.7	12	1911		122.105
4	2	68	12	1131		297.523
5	2	70.6	12	1772		133.401
6	1	80.9	12			171.718
7	2	52.2	12	1646		151.956
8	2	94.6	12	1273		323.544
9	1	80.3	12			395.691
10	3	54.7	12	1114	1728	171.799
11	2	53.8	12	1265		245.176
12	2	94.1	12	1046		659.924
13	2	87.9	12	1675		562.022
14	2	60.3	12	1265		676.719
15	3	71.7	12	1618	1125	401.847
16	3	97.3	12	1306	1907	282.965
17	3	100	12	1199	1143	237.782

Type 5 Radar Waveform_2

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	87.6	16	1149	1525	176.28
2	3	89.2	16	1432	1774	280.637
3	1	68.2	16			530.244
4	1	70.5	16			476.011
5	1	85.3	16			783.639
6	2	98.9	16	1538		826.656
7	3	99.3	16	1690	1850	208.343
8	1	65.4	16			110.36
9	2	57.1	16	1087		796.907
10	2	55.9	16	1273		552.044
11	2	86.5	16	1255		184.651
12	2	97.9	16	1562		523.089
13	2	78.3	16	1806		334.186
14	2	87.2	16	1079		619.343

Type 5 Radar Waveform_3

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	58	12			246.872
2	2	72.2	12	1715		866.11
3	2	51.6	12	1455		103.52
4	1	96.4	12			141.33
5	2	56.3	12	1069		568
6	2	85.7	12	1009		985.48
7	2	68.2	12	1157		904.01
8	1	82.3	12			913.74
9	1	85.6	12			981.63
10	1	64.5	12			682.59
11	2	83.4	12	1541		326.8
12	2	81.6	12	1445		267.6

Type 5 Radar Waveform_4

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	81	12	1069		433.688
2	1	59.3	12			178.777
3	3	93.8	12	1641	1342	550.502
4	1	98.1	12			445.263
5	1	86.1	12			164.214
6	1	85.9	12			26.885
7	3	58.6	12	1372	1991	52.466
8	1	57.1	12			126.607
9	1	98.1	12			496.088
10	1	81.7	12			91.059
11	1	75.5	12			619.851
12	3	61.9	12	1229	1122	582.052
13	2	71.2	12	1408		56.603
14	3	93	12	1498	1474	469.214
15	1	87.2	12			400.405
16	2	56.2	12	1603		378.426
17	3	97.1	12	1882	1911	622.037
18	2	87	12	1991		496.658
19	3	53.4	12	1267	1792	554.479

Type 5 Radar Waveform_5

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	76.2	15	1206	1444	454.858
2	3	55.2	15	1065	1267	909.61
3	3	89.4	15	1436	1532	739.87
4	2	62.1	15	1241		377.78
5	3	65.7	15	1633	1046	819.05
6	1	68	15			887.08
7	3	89.8	15	1904	1978	115.92
8	2	53.3	15	1813		81.89
9	2	70.5	15	1095		638.08
10	2	50	15	1689		32
11	2	52.5	15	1896		670
12	2	99.7	15	1388		387.4

Type 5 Radar Waveform_6

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	83.9	7	1715		673.012
2	2	57.4	7	1210		406.808
3	3	56.6	7	1194	1937	289.475
4	3	86.2	7	1898	1920	499.393
5	2	66	7	1713		329.331
6	2	80	7	1707		400.218
7	2	80.8	7	1878		414.176
8	3	73.8	7	1529	1443	145.484
9	3	67.5	7	1534	1500	580.271
10	3	71.5	7	1476	1942	103.439
11	3	72.6	7	1327	1683	36.936
12	3	97.5	7	1097	1479	371.424
13	1	53.5	7			44.832
14	3	56.4	7	1735	1444	77.829
15	2	51	7	1366		149.347
16	3	79.1	7	1583	1080	531.665
17	2	92.2	7	1502		492.282

Type 5 Radar Waveform_7

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	96.7	10			355.165
2	1	86.8	10			352.76
3	2	97.9	10	1804		344.39
4	3	70.8	10	1230	1045	337.9
5	2	95.7	10	1116		268.02
6	3	58.6	10	1131	1917	381.78
7	1	96.8	10			51.84
8	2	64	10	1625		161.01
9	3	86.8	10	1478	1631	84.35
10	2	66.6	10	1388		353.24
11	1	56.5	10			404.72
12	2	60.1	10	1999		174.3
13	2	86.2	10	1477		462.1
14	1	97.1	10			440.3
15	3	55.5	10	1622	1084	4.5
16	2	75.9	10	1104		552.7

Type 5 Radar Waveform_8

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µ sec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	57.6	9	1973	1032	78.823
2	1	65.6	9			318.784
3	2	66.4	9	1371		167.882
4	2	74.6	9	1021		122.353
5	1	66.5	9			489.544
6	3	87.5	9	1300	1629	202.005
7	1	76.1	9			303.896
8	2	79.8	9	1239		350.107
9	3	62.1	9	1855	1647	482.878
10	2	65.3	9	1108		21.809
11	2	64.9	9	1488		558.061
12	3	78.1	9	1647	1296	322.902
13	1	54.6	9			43.813
14	2	58.9	9	1862		480.244
15	2	77.8	9	1094		447.925
16	2	82.9	9	1391		322.246
17	2	76.6	9	1270		201.137
18	1	77	9			225.858
19	3	68.9	9	1127	1117	623.179

Type 5 Radar Waveform_9

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	65.4	12	1688		769.113
2	3	90.2	12	1944	1761	746.237
3	3	79.4	12	1993	1172	658.844
4	2	78.4	12	1201		846.261
5	2	57.9	12	1670		807.609
6	3	74.7	12	1610	1540	152.316
7	2	99.8	12	1670		515.613
8	2	88.2	12	1443		26.32
9	2	76.2	12	1020		681.487
10	2	77.5	12	1610		434.084
11	1	63.6	12			506.701
12	2	61.2	12	2000		839.029
13	2	66.7	12	1869		488.786
14	1	58.9	12			761.443

Type 5 Radar Waveform_10

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	87.7	5	1314		506.472
2	2	71.1	5	1540		183.511
3	3	67.4	5	1909	1556	808.242
4	2	55.8	5	1966		549.493
5	1	71.2	5			455.564
6	1	84.7	5			864.425
7	2	82.6	5	1150		149.725
8	2	76.5	5	1343		460.706
9	3	76	5	1918	1065	828.447
10	1	82.5	5			44.908
11	3	88.5	5	1956	1375	345.109

Type 5 Radar Waveform_11						
Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	78.6	19	1883		932.64
2	1	51.7	19			457.45
3	1	95.7	19			403.12
4	2	89.2	19	1680		245.78
5	2	74.2	19	1034		246.92
6	2	53.8	19	1007		500.54
7	2	54.1	19	1435		469.24
8	2	53.6	19	1302		41.85
9	2	74.1	19	1572		114.1
10	3	73.3	19	1247	1481	774.87
11	2	99.3	19	1322		211.2
12	1	66.2	19			38.3

Type 5 Radar Waveform_12						
Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	3	61.9	19	1255	1903	846.232
2	2	57.7	19	1421		402.667
3	2	71.5	19	1462		15.574
4	3	81.3	19	1714	1474	742.641
5	1	54	19			364.049
6	2	64.2	19	1973		43.726
7	3	99.1	19	1636	1598	556.913
8	2	70.6	19	1979		828.84
9	3	76.3	19	1058	1381	335.177
10	2	88.9	19	1073		720.194
11	2	95.9	19	1910		324.981
12	2	89.8	19	1643		98.239
13	3	69.8	19	1931	1508	478.386
14	3	85	19	1449	1631	77.943

Type 5 Radar Waveform_13						
Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	83.5	14	1882		332.769
2	2	65.3	14	1270		473.83
3	3	97.6	14	1376	1607	637.25
4	2	82.2	14	1977		189.6
5	2	53.8	14	1779		576.28
6	2	82.5	14	1630		225.86
7	2	94.9	14	1179		590.46
8	3	98.6	14	1339	1733	249.28
9	3	98.3	14	1450	1662	83.34
10	2	69	14	1947		775.64
11	3	91.1	14	1182	1839	782.83
12	2	87.3	14	1305		80.47
13	2	82.6	14	1069		640.5
14	3	61.6	14	1312	1408	31.2
15	2	74.3	14	1004		371.8

Type 5 Radar Waveform_14

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	59.3	7	1059		718.521
2	2	58.7	7	1287		22.216
3	2	67	7	1692		181.216
4	3	81.8	7	1941	1092	217.039
5	2	92.5	7	1351		150.192
6	2	50.7	7	1338		468.475
7	3	91.7	7	1164	1215	520.028
8	3	74	7	1221	2000	440.772
9	2	76.2	7	1626		530.585
10	2	56.1	7	1955		475.318
11	2	93.3	7	1255		712.831
12	1	64.3	7			365.454
13	1	89.1	7			34.077

Type 5 Radar Waveform_15

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	66.8	10	1511		329.802
2	2	94.6	10	1556		633.598
3	2	96.5	10	1310		173.465
4	2	60.2	10	1465		599.193
5	2	63.8	10	1516		669.541
6	3	82.2	10	1302	1315	497.368
7	3	69	10	1630	1223	570.766
8	3	74.4	10	1479	1517	350.694
9	2	94	10	1635		64.681
10	1	78.3	10			405.409
11	2	74.4	10	1154		225.926
12	2	62.9	10	1570		213.414
13	2	90.2	10	1963		410.162
14	2	72.2	10	1840		138.889
15	1	91.3	10			694.147
16	2	90.9	10	1222		617.065
17	3	68.5	10	1408	1569	502.782

Type 5 Radar Waveform_16

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	72.8	11			293.426
2	2	84.3	11	1401		506.718
3	2	54.1	11	1492		62.225
4	2	50	11	1413		489.583
5	1	95.9	11			91.271
6	2	78.3	11	1759		218.078
7	2	53.2	11	1549		622.106
8	3	94.9	11	1061	1811	102.134
9	3	79.1	11	1834	1180	414.621
10	3	78.8	11	1028	1426	171.039
11	2	63.4	11	1052		374.146
12	3	81.7	11	1403	1537	191.814
13	3	72.8	11	1975	1883	150.692
14	1	76.4	11			277.059
15	2	81.8	11	1653		501.247
16	2	54.5	11	1171		176.965
17	2	81.3	11	1492		558.682

Type 5 Radar Waveform_17

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	75.1	11			33.249
2	1	92.2	11			224.534
3	1	88.2	11			315.165
4	2	85.2	11	1143		525.053
5	1	85.7	11			653.061
6	1	71.2	11			514.748
7	3	74.8	11	1479	1508	169.476
8	2	100	11	1725		681.974
9	2	55.4	11	1527		501.781
10	3	52.2	11	1163	1728	384.989
11	1	76.6	11			412.376
12	2	82.2	11	1114		6.334
13	2	63.8	11	1717		667.952
14	2	77.7	11	1581		322.359
15	1	61.9	11			480.947
16	3	84.4	11	1965	1634	247.265
17	3	80.1	11	1795	1835	98.582

Type 5 Radar Waveform_18

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	80.8	5			48.463
2	3	70.5	5	1996	1587	265.41
3	2	92.2	5	1466		32.68
4	1	86.1	5			243.04
5	2	76.3	5	1066		29.29
6	1	90.6	5			29.47
7	2	90.3	5	1682		323.81
8	2	58.7	5	1500		573.03
9	2	60.2	5	1914		295.61
10	3	74.2	5	1794	1884	624.26
11	2	84.1	5	1306		160.16
12	1	75.3	5			549.87
13	2	91.6	5	1468		77.44
14	3	74.2	5	1735	1622	660
15	3	80.6	5	1066	1332	265.1
16	2	85.6	5	1759		330.2

Type 5 Radar Waveform_19

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	84.7	8	1679		535.97
2	2	71	8	1767		441.108
3	1	64.4	8			462.565
4	2	70.2	8	1534		274.363
5	2	95.7	8	1929		364.531
6	1	91.1	8			72.918
7	2	67.8	8	1668		363.776
8	3	62.1	8	1309	1025	607.114
9	3	72.9	8	1650	1009	158.031
10	1	65.7	8			443.259
11	2	83.9	8	1516		188.086
12	1	97	8			207.404
13	3	87.5	8	1819	1203	25.832
14	2	73.5	8	1617		228.579
15	2	75.9	8	1300		60.897
16	2	89.7	8	1885		397.265
17	1	65	8			334.682

Type 5 Radar Waveform_20

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	64.7	7	1447		333.54
2	1	93.6	7			832.61
3	1	67.1	7			353.19
4	3	75.7	7	1184	1625	352.22
5	3	80.5	7	1318	1006	16.6
6	2	63.1	7	1957		892.07
7	2	73.7	7	1596		274.9
8	3	61.7	7	1546	1277	191.75
9	2	59.7	7	1510		972.45
10	1	67.9	7			957.46
11	2	99.7	7	1950		289.8
12	3	70.5	7	1690	1879	160.9

Type 5 Radar Waveform_21

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	79.3	10			294.943
2	2	88.3	10	1707		333.137
3	1	75	10			336.174
4	3	52.2	10	1533	1375	19.011
5	1	85.7	10			746.179
6	2	87.2	10	1648		316.126
7	2	58.4	10	1077		417.703
8	2	95	10	1698		292.08
9	3	88.3	10	1523	1469	393.277
10	2	61.4	10	1711		671.684
11	1	53.5	10			564.941
12	3	71.6	10	1217	1517	213.139
13	2	70	10	1030		148.286
14	3	53.2	10	1274	1789	768.943

Type 5 Radar Waveform_22

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	94.5	5	1428	1781	642.436
2	2	54.9	5	1734		582.188
3	2	94.7	5	1975		208.885
4	1	77	5			651.983
5	1	78.3	5			494.331
6	2	56.9	5	1626		229.938
7	2	66.1	5	1627		142.916
8	2	95.5	5	1009		550.384
9	3	59.1	5	1541	1944	186.071
10	3	75.6	5	1601	1583	389.699
11	3	65.7	5	1364	1770	347.226
12	3	79.8	5	1952	1645	542.074
13	1	52.2	5			685.172
14	2	92.2	5	1503		91.969
15	1	97.8	5			612.647
16	1	67.1	5			557.665
17	2	54.3	5	1292		454.382

Type 5 Radar Waveform_23

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	62	6			0.635
2	3	91.5	6	1540	1636	456.808
3	1	54.6	6			503.965
4	3	84.7	6	1357	1428	375.123
5	1	98.6	6			106.061
6	2	84	6	1670		412.828
7	1	59.2	6			414.096
8	2	59.6	6	1741		259.864
9	2	89.1	6	1614		295.191
10	3	99.5	6	1391	1368	103.429
11	2	70.5	6	1620		308.976
12	2	79.3	6	1447		369.844
13	1	74.1	6			160.512
14	3	88.5	6	1202	1348	200.009
15	3	72.2	6	1264	1989	279.147
16	3	73.4	6	1209	1277	183.765
17	3	51.6	6	1043	1264	389.982

Type 5 Radar Waveform_24

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	77	16	1180		381.071
2	2	85	16	1702		75.05
3	2	66.2	16	1758		197.457
4	2	67.6	16	1718		71.46
5	2	58.5	16	1118		452.573
6	2	99.3	16	1861		535.077
7	2	92.1	16	1982		64.22
8	2	56.2	16	1224		393.123
9	3	83.2	16	1463	1521	66.107
10	3	82.5	16	1577	1859	195.11
11	2	96	16	1096		99.073
12	2	84.3	16	1547		47.667
13	2	70.2	16	1751		121.59
14	2	92.4	16	1345		545.023
15	3	84.3	16	1752	1968	27.067
16	2	55.8	16	1134		227
17	1	56.6	16			290.733
18	2	50.9	16	1362		468.067

Type 5 Radar Waveform_25

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	65.5	20	1846		1340.31
2	2	73	20	1735		669.34
3	2	87.9	20	1331		1275.69
4	2	84.1	20	1280		1149.63
5	2	94.6	20	1847		56.85
6	3	54.8	20	1355	1699	411.86
7	2	94.1	20	1713		1112.4
8	2	97.4	20	1290		906

Type 5 Radar Waveform_26

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	65.6	16	1161		585.737
2	3	59.2	16	1727	1176	367.118
3	3	75.8	16	1071	1257	545.105
4	2	51.2	16	1979		243.593
5	2	67.7	16	1060		509.501
6	2	85	16	1064		570.568
7	1	86.6	16			463.266
8	3	94.5	16	1836	1507	65.504
9	3	81.1	16	1460	1089	71.441
10	1	95.2	16			353.409
11	1	55.2	16			636.486
12	2	67.5	16	1324		45.604
13	2	58	16	1224		634.292
14	3	57.3	16	1243	1181	528.539
15	3	58.9	16	1638	1564	461.147
16	2	56.9	16	1780		328.265
17	2	71.5	16	1415		348.282

Type 5 Radar Waveform_27

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	99.9	6	1336	1548	770.098
2	3	95.9	6	1636	1204	542.41
3	1	68	6			1008.43
4	2	76.8	6	1663		908.66
5	3	97.8	6	1720	1396	976.52
6	1	93.7	6			666.29
7	1	94.3	6			906.05
8	1	60.2	6			182.78
9	1	50.3	6			1072.6
10	3	56.2	6	1836	1314	390.7

Type 5 Radar Waveform_28

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	83	16	1410		79.011
2	3	85.2	16	1436	1339	417.35
3	1	72	16			57.09
4	2	50.2	16	1504		565.17
5	3	93.3	16	1392	1553	361.1
6	3	51.6	16	1010	1746	4.82
7	2	84.5	16	1988		252.15
8	2	95.7	16	1303		350.61
9	2	76.9	16	1791		185.57
10	1	88.9	16			229.31
11	2	89.1	16	1213		417.22
12	2	98	16	1311		465.49
13	2	52	16	1092		94.58
14	2	74.8	16	1209		3.62
15	3	72.8	16	1215	1889	551.85
16	2	62.7	16	1334		408.69
17	2	75.4	16	1503		408.8
18	2	83	16	1320		447.4
19	1	95	16			114.2
20	2	97.5	16	1590		524.4

Type 5 Radar Waveform_29

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	53.4	5			853.215
2	2	66.9	5	1048		598.27
3	3	100	5	1276	1222	340.3
4	3	87	5	1087	1130	401.2
5	2	91.9	5	1140		516.91
6	2	86.6	5	1343		233.3
7	1	92.5	5			939.57
8	1	66.2	5			388.17
9	3	91.8	5	1810	1145	841.17
10	2	98.4	5	1693		12.54
11	2	92.8	5	1148		190.4
12	2	75.8	5	1302		336.2

Type 5 Radar Waveform_30

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	66.8	10	1389		436
2	3	72.6	10	1528	1307	419.511
3	1	54.7	10			173.992
4	3	99.3	10	1993	1818	19.313
5	2	70.4	10	1060		45.494
6	1	56.9	10			356.185
7	3	85.4	10	1773	1174	152.846
8	3	63.2	10	1945	1826	247.587
9	2	79.1	10	1214		176.478
10	2	68.1	10	1471		73.579
11	2	89.9	10	1883		415.041
12	2	62.2	10	1707		555.432
13	1	55.6	10			384.133
14	1	96.1	10			470.724
15	2	67	10	1432		297.235
16	1	84.4	10			208.356
17	2	82.5	10	1601		610.737
18	3	52.2	10	1195	1554	599.158
19	3	67	10	1118	1031	362.079

Radar Type 6 - Radar Statistical Performance

Trail #	1=Detection 0=No Detection	Trail #	1=Detection 0=No Detection
1	1	16	1
2	1	17	1
3	1	18	1
4	1	19	1
5	1	20	1
6	1	21	1
7	1	22	1
8	1	23	1
9	1	24	1
10	1	25	1
11	1	26	1
12	1	27	1
13	1	28	1
14	1	29	1
15	1	30	1
Detection Percentage (%)		100.0%	

Type 6 Radar Waveform_1

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.25	5.27	160	*
5	5.25	5.25	160	*
7	5.25	5.291	160	*
8	5.25	5.305	160	*
14	5.25	5.272	160	*
18	5.25	5.323	160	*
21	5.25	5.306	160	*
23	5.25	5.317	160	*
26	5.25	5.286	160	*
42	5.25	5.254	160	*
45	5.25	5.309	160	*
49	5.25	5.325	160	*
50	5.25	5.295	160	*
56	5.25	5.274	160	*
57	5.25	5.289	160	*
59	5.25	5.32	160	*
63	5.25	5.28	160	*
64	5.25	5.29	160	*
78	5.25	5.278	160	*
80	5.25	5.319	160	*
86	5.25	5.264	160	*

Type 6 Radar Waveform_2

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.25	5.318	160	*
10	5.25	5.267	160	*
20	5.25	5.261	160	*
23	5.25	5.304	160	*
27	5.25	5.279	160	*
32	5.25	5.258	160	*
38	5.25	5.274	160	*
39	5.25	5.307	160	*
41	5.25	5.311	160	*
42	5.25	5.297	160	*
48	5.25	5.252	160	*
55	5.25	5.309	160	*
56	5.25	5.326	160	*
57	5.25	5.253	160	*
58	5.25	5.314	160	*
62	5.25	5.308	160	*
68	5.25	5.293	160	*
84	5.25	5.296	160	*
87	5.25	5.251	160	*
93	5.25	5.328	160	*
95	5.25	5.254	160	*
97	5.25	5.266	160	*

Type 6 Radar Waveform_3

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
15	5.25	5.281	160	*
18	5.25	5.325	160	*
21	5.25	5.328	160	*
30	5.25	5.253	160	*
33	5.25	5.291	160	*
38	5.25	5.292	160	*
39	5.25	5.252	160	*
43	5.25	5.297	160	*
45	5.25	5.307	160	*
49	5.25	5.318	160	*
50	5.25	5.282	160	*
51	5.25	5.306	160	*
53	5.25	5.275	160	*
57	5.25	5.326	160	*
65	5.25	5.255	160	*
68	5.25	5.276	160	*
73	5.25	5.269	160	*
80	5.25	5.324	160	*
84	5.25	5.294	160	*
95	5.25	5.25	160	*
97	5.25	5.31	160	*
100	5.25	5.251	160	*

Type 6 Radar Waveform_4

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.25	5.294	160	*
6	5.25	5.291	160	*
11	5.25	5.259	160	*
16	5.25	5.252	160	*
22	5.25	5.314	160	*
25	5.25	5.292	160	*
26	5.25	5.277	160	*
32	5.25	5.302	160	*
39	5.25	5.318	160	*
46	5.25	5.256	160	*
48	5.25	5.254	160	*
55	5.25	5.304	160	*
57	5.25	5.282	160	*
61	5.25	5.258	160	*
66	5.25	5.322	160	*
76	5.25	5.276	160	*
89	5.25	5.325	160	*
94	5.25	5.32	160	*
95	5.25	5.271	160	*
100	5.25	5.286	160	*

Type 6 Radar Waveform_5				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.25	5.317	160	*
4	5.25	5.329	160	*
5	5.25	5.301	160	*
8	5.25	5.263	160	*
16	5.25	5.319	160	*
18	5.25	5.267	160	*
30	5.25	5.254	160	*
34	5.25	5.297	160	*
35	5.25	5.284	160	*
39	5.25	5.314	160	*
49	5.25	5.304	160	*
52	5.25	5.296	160	*
56	5.25	5.308	160	*
67	5.25	5.258	160	*
73	5.25	5.285	160	*
76	5.25	5.28	160	*
78	5.25	5.32	160	*
93	5.25	5.293	160	*
96	5.25	5.324	160	*

Type 6 Radar Waveform_6				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.25	5.275	160	*
10	5.25	5.316	160	*
12	5.25	5.301	160	*
17	5.25	5.269	160	*
27	5.25	5.253	160	*
28	5.25	5.317	160	*
36	5.25	5.32	160	*
43	5.25	5.299	160	*
44	5.25	5.289	160	*
46	5.25	5.271	160	*
48	5.25	5.255	160	*
53	5.25	5.306	160	*
54	5.25	5.304	160	*
58	5.25	5.279	160	*
63	5.25	5.252	160	*
75	5.25	5.311	160	*
94	5.25	5.278	160	*
98	5.25	5.314	160	*

Type 6 Radar Waveform_7				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.25	5.252	160	*
6	5.25	5.286	160	*
8	5.25	5.31	160	*
29	5.25	5.298	160	*
41	5.25	5.309	160	*
43	5.25	5.285	160	*
44	5.25	5.268	160	*
45	5.25	5.306	160	*
46	5.25	5.278	160	*
52	5.25	5.265	160	*
57	5.25	5.26	160	*
62	5.25	5.276	160	*
66	5.25	5.256	160	*
73	5.25	5.311	160	*
76	5.25	5.283	160	*
77	5.25	5.274	160	*
81	5.25	5.257	160	*
82	5.25	5.269	160	*
86	5.25	5.33	160	*
87	5.25	5.325	160	*
89	5.25	5.296	160	*
91	5.25	5.304	160	*

Type 6 Radar Waveform_8				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.25	5.316	160	*
8	5.25	5.28	160	*
18	5.25	5.296	160	*
19	5.25	5.269	160	*
22	5.25	5.309	160	*
34	5.25	5.285	160	*
58	5.25	5.252	160	*
60	5.25	5.322	160	*
64	5.25	5.327	160	*
66	5.25	5.303	160	*
71	5.25	5.329	160	*
73	5.25	5.317	160	*
79	5.25	5.306	160	*
82	5.25	5.259	160	*
83	5.25	5.308	160	*
89	5.25	5.291	160	*
91	5.25	5.298	160	*
94	5.25	5.257	160	*
96	5.25	5.268	160	*

Type 6 Radar Waveform_9				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
7	5.25	5.302	160	*
9	5.25	5.307	160	*
10	5.25	5.322	160	*
11	5.25	5.255	160	*
13	5.25	5.288	160	*
15	5.25	5.301	160	*
16	5.25	5.291	160	*
32	5.25	5.293	160	*
40	5.25	5.261	160	*
41	5.25	5.312	160	*
49	5.25	5.251	160	*
50	5.25	5.279	160	*
51	5.25	5.315	160	*
55	5.25	5.321	160	*
80	5.25	5.264	160	*
88	5.25	5.32	160	*
90	5.25	5.274	160	*
96	5.25	5.267	160	*

Type 6 Radar Waveform_10				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.25	5.297	160	*
7	5.25	5.274	160	*
9	5.25	5.295	160	*
10	5.25	5.275	160	*
26	5.25	5.299	160	*
29	5.25	5.312	160	*
31	5.25	5.329	160	*
35	5.25	5.308	160	*
39	5.25	5.29	160	*
40	5.25	5.287	160	*
43	5.25	5.286	160	*
44	5.25	5.283	160	*
55	5.25	5.306	160	*
74	5.25	5.277	160	*
78	5.25	5.296	160	*
81	5.25	5.301	160	*
84	5.25	5.259	160	*
88	5.25	5.3	160	*
94	5.25	5.257	160	*

Type 6 Radar Waveform_11

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.25	5.283	160	*
5	5.25	5.319	160	*
10	5.25	5.318	160	*
11	5.25	5.27	160	*
25	5.25	5.3	160	*
26	5.25	5.307	160	*
27	5.25	5.26	160	*
28	5.25	5.288	160	*
30	5.25	5.312	160	*
37	5.25	5.259	160	*
50	5.25	5.326	160	*
52	5.25	5.285	160	*
54	5.25	5.289	160	*
60	5.25	5.263	160	*
69	5.25	5.315	160	*
82	5.25	5.278	160	*
83	5.25	5.255	160	*
92	5.25	5.254	160	*
100	5.25	5.252	160	*

Type 6 Radar Waveform_12

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.25	5.267	160	*
11	5.25	5.327	160	*
15	5.25	5.297	160	*
27	5.25	5.29	160	*
32	5.25	5.294	160	*
34	5.25	5.275	160	*
37	5.25	5.328	160	*
42	5.25	5.259	160	*
43	5.25	5.287	160	*
48	5.25	5.26	160	*
60	5.25	5.31	160	*
61	5.25	5.322	160	*
65	5.25	5.289	160	*
69	5.25	5.288	160	*
75	5.25	5.285	160	*
76	5.25	5.305	160	*
89	5.25	5.319	160	*
92	5.25	5.304	160	*
97	5.25	5.276	160	*

Type 6 Radar Waveform_13

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.25	5.28	160	*
15	5.25	5.27	160	*
25	5.25	5.259	160	*
32	5.25	5.305	160	*
42	5.25	5.262	160	*
44	5.25	5.329	160	*
50	5.25	5.285	160	*
51	5.25	5.297	160	*
54	5.25	5.284	160	*
57	5.25	5.287	160	*
70	5.25	5.314	160	*
71	5.25	5.267	160	*
81	5.25	5.279	160	*
92	5.25	5.268	160	*

Type 6 Radar Waveform_14				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.25	5.282	160	*
13	5.25	5.281	160	*
17	5.25	5.294	160	*
22	5.25	5.325	160	*
28	5.25	5.329	160	*
31	5.25	5.308	160	*
33	5.25	5.278	160	*
35	5.25	5.305	160	*
40	5.25	5.253	160	*
52	5.25	5.272	160	*
55	5.25	5.295	160	*
63	5.25	5.263	160	*
64	5.25	5.283	160	*
75	5.25	5.251	160	*
95	5.25	5.254	160	*
96	5.25	5.27	160	*

Type 6 Radar Waveform_15				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
10	5.25	5.325	160	*
20	5.25	5.289	160	*
26	5.25	5.275	160	*
27	5.25	5.251	160	*
29	5.25	5.316	160	*
32	5.25	5.304	160	*
48	5.25	5.272	160	*
51	5.25	5.267	160	*
52	5.25	5.302	160	*
55	5.25	5.31	160	*
56	5.25	5.255	160	*
59	5.25	5.32	160	*
70	5.25	5.294	160	*
77	5.25	5.301	160	*
82	5.25	5.277	160	*
85	5.25	5.313	160	*

Type 6 Radar Waveform_16				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.25	5.312	160	*
9	5.25	5.269	160	*
13	5.25	5.254	160	*
14	5.25	5.256	160	*
29	5.25	5.271	160	*
30	5.25	5.251	160	*
39	5.25	5.268	160	*
44	5.25	5.313	160	*
50	5.25	5.299	160	*
52	5.25	5.262	160	*
58	5.25	5.278	160	*
59	5.25	5.283	160	*
72	5.25	5.252	160	*
82	5.25	5.303	160	*

Type 6 Radar Waveform_17

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.25	5.285	160	*
6	5.25	5.273	160	*
7	5.25	5.28	160	*
10	5.25	5.296	160	*
23	5.25	5.29	160	*
26	5.25	5.313	160	*
27	5.25	5.255	160	*
34	5.25	5.304	160	*
39	5.25	5.266	160	*
41	5.25	5.277	160	*
43	5.25	5.288	160	*
46	5.25	5.286	160	*
57	5.25	5.316	160	*
60	5.25	5.278	160	*
62	5.25	5.281	160	*
72	5.25	5.263	160	*
82	5.25	5.256	160	*
85	5.25	5.317	160	*
86	5.25	5.269	160	*

Type 6 Radar Waveform_18

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.25	5.327	160	*
8	5.25	5.251	160	*
10	5.25	5.253	160	*
13	5.25	5.281	160	*
14	5.25	5.291	160	*
21	5.25	5.278	160	*
22	5.25	5.3	160	*
24	5.25	5.313	160	*
31	5.25	5.255	160	*
34	5.25	5.275	160	*
35	5.25	5.286	160	*
38	5.25	5.293	160	*
40	5.25	5.297	160	*
41	5.25	5.279	160	*
47	5.25	5.276	160	*
53	5.25	5.287	160	*
55	5.25	5.274	160	*
59	5.25	5.271	160	*
61	5.25	5.272	160	*
65	5.25	5.264	160	*
75	5.25	5.317	160	*
80	5.25	5.316	160	*
84	5.25	5.32	160	*
88	5.25	5.326	160	*
100	5.25	5.292	160	*

Type 6 Radar Waveform_19

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.25	5.263	160	*
9	5.25	5.293	160	*
12	5.25	5.302	160	*
13	5.25	5.284	160	*
15	5.25	5.287	160	*
17	5.25	5.261	160	*
19	5.25	5.267	160	*
24	5.25	5.31	160	*
28	5.25	5.315	160	*
29	5.25	5.269	160	*
35	5.25	5.286	160	*
36	5.25	5.282	160	*
47	5.25	5.299	160	*
53	5.25	5.268	160	*
56	5.25	5.26	160	*
71	5.25	5.298	160	*
76	5.25	5.312	160	*
77	5.25	5.329	160	*
78	5.25	5.277	160	*
80	5.25	5.295	160	*
81	5.25	5.255	160	*
95	5.25	5.323	160	*
99	5.25	5.294	160	*
100	5.25	5.32	160	*

Type 6 Radar Waveform_20				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
16	5.25	5.28	160	*
17	5.25	5.257	160	*
28	5.25	5.298	160	*
35	5.25	5.324	160	*
43	5.25	5.31	160	*
47	5.25	5.269	160	*
68	5.25	5.272	160	*
71	5.25	5.327	160	*
72	5.25	5.262	160	*
77	5.25	5.323	160	*
79	5.25	5.282	160	*
86	5.25	5.309	160	*
88	5.25	5.302	160	*
94	5.25	5.315	160	*

Type 6 Radar Waveform_21				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
17	5.25	5.253	160	*
21	5.25	5.329	160	*
23	5.25	5.277	160	*
27	5.25	5.267	160	*
31	5.25	5.309	160	*
33	5.25	5.281	160	*
37	5.25	5.311	160	*
44	5.25	5.266	160	*
69	5.25	5.294	160	*
70	5.25	5.262	160	*
75	5.25	5.299	160	*
76	5.25	5.283	160	*
82	5.25	5.322	160	*
83	5.25	5.313	160	*
85	5.25	5.285	160	*
86	5.25	5.312	160	*
91	5.25	5.259	160	*
94	5.25	5.31	160	*
95	5.25	5.251	160	*
97	5.25	5.268	160	*

Type 6 Radar Waveform_22				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
7	5.25	5.324	160	*
11	5.25	5.329	160	*
14	5.25	5.261	160	*
22	5.25	5.25	160	*
28	5.25	5.301	160	*
32	5.25	5.317	160	*
35	5.25	5.31	160	*
36	5.25	5.254	160	*
51	5.25	5.262	160	*
56	5.25	5.285	160	*
59	5.25	5.3	160	*
68	5.25	5.284	160	*
72	5.25	5.322	160	*
73	5.25	5.311	160	*