DFS MEASUREMENT REPORT

FCC ID:	LNQT3280B
Applicant:	Actiontec Electronics Inc
Product:	Wi-Fi 6 DSL Modem Gateway
Model No.:	T3280
Brand Name:	Actiontec
FCC Classification:	Unlicensed National Information Infrastructure (NII)
FCC Rule Part(s):	Part 15 Subpart E (Section 15.407)
Type of Device:	Master Device
Result:	Complies
Test Date:	2022-05-20 ~ 2022-06-13

Reviewed By: Kevin Guo

Approved By: Robin Wu

Revision History

Report No.	Version	Description	Issue Date	Note
2205RSU015-U3	Rev. 01	Initial Report	2022-08-23	Valid

CONTENTS

1. General Information

1.1. Applicant

Actiontec Electronics Inc

2445 Augustine Drive Suite 501, Santa Clara, California 95054, United States

1.2. Manufacturer

Actiontec Electronics Inc

2445 Augustine Drive Suite 501, Santa Clara, California 95054, United States

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	Wi-Fi 6 DSL Modem Gateway
Model No.	T3280
EUT Identification No.	20220510Sample#12
Wi-Fi Specification	802.11b/g/n/ac/ax
TPC Function	Support
Antenna Information	Refer to Section 1.7
Accessory	
Adapter	MODEL: ADS024T-W 120200 INPUT: 100-240V ~ 50/60Hz 0.6A OUTPUT: 12V⎓2A
Remark: 1. The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer. 2. The EUT can support the TPC mechanism using controllable power step to operate at least 6 dB below the mean EIRP value. TPC power please refers to section 1.8 of this report.	

1.5. Radio Specification

Frequency Range	For 802.11a/n-HT20/ac-VHT20/ax-HE20: 5260~5320MHz, 5500~5720MHz For 802.11n-HT40/ac-VHT40/ax-HE40: 5270~5310MHz, 5510~5710MHz For 802.11ac-VHT80/ax-HE80: 5290MHz, 5530MHz, 5610 MHz, 5690MHz For 802.11ac-VHT160/ax-HE160: 5250MHz, 5570MHz
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 3464Mbps 802.11ax: up to 4804Mbps
Power-on cycle	Requires 30.412 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.

Note: For other features of this EUT, test report will be issued separately.

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
120	5600 MHz	124	5620 MHz	128	5640 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	118	5590 MHz	126	5630 MHz
134	5670 MHz	142	5710 MHz	--	--

802.11ac-VHT80/ax-HE80

Channel	Frequency	Channel	Frequency	Channel	Frequency
58	5290 MHz	106	5530 MHz	122	5610 MHz
138	5690 MHz	--	--	--	--

802.11ac-VHT160/ax-HE160

Channel	Frequency	Channel	Frequency	Channel	Frequency
50	5250 MHz	114	5570 MHz	--	--

1.7. Antenna Details

Antenna Type	Frequency (MHz)	TX Path	Antenna Gain (dBi)				Directional Gain (dBi)	
			Ant 0	Ant 1	Ant 2	Ant 3	Correlated	Uncorrelated
Wi-Fi Antenna								
PIFA	2412 ~ 2462	3	3.47	4.91	4.24	--	5.90	2.27
	5150 ~ 5850	4	4.71	5.44	4.61	3.34	6.69	1.80

Remark:

1. The antenna gain and directional gain refer to manufacturer's antenna specification.
2. The device supports CDD Mode and STBC mode, details refer to the table as below.
3. CDD signals are correlated, the directional gain as follows,
   For power measurements: Array Gain = 0 dB for $N_{ANT} \leq 4$, the directional gain = max antenna gain + array gain
   For power spectral density (PSD) measurements: the max directional gain (each angle) = $10 \log[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}]$
4. STBC signals are uncorrelated, the directional gain as follows,
   the max directional gain (each angle) = $10 \log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N_{ANT}]$

Test Mode	T_X Paths	CDD Mode	STBC Mode
Wi-Fi 2.4G			
802.11b/g	3	√	X
802.11n/ax	3	X	√
Wi-Fi 5G			
802.11a	4	√	X
802.11n/ac/ax	4	X	√
Remark: "√" means "Support", "X" means "Not support".			

1.8. TPC Power

Mode	Frequency Band	Maximum Conducted Power (dBm)	Minimum Conducted Power (dBm)	Maximum EIRP (dBm)	Minimum EIRP (dBm)
CDD	NII-2a	21.94	15.94	28.63	22.63
	NII-2c	22.15	16.15	28.84	22.84
STBC	NII-2a	23.79	17.79	25.59	19.59
	NII-2c	23.80	17.80	25.60	19.60

Note: The test result of TPC is equal to RF output power minus 6dBm which is recorded as a reference for the manufacturer.

2. Test Configuration

2.1. Test Mode

Mode 1: Operating under AP mode
Remark: A power splitter was used to combine all the receive chains (antenna inputs) into a single test point when we tested.

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
802.11ax-HE160	114	5570 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.

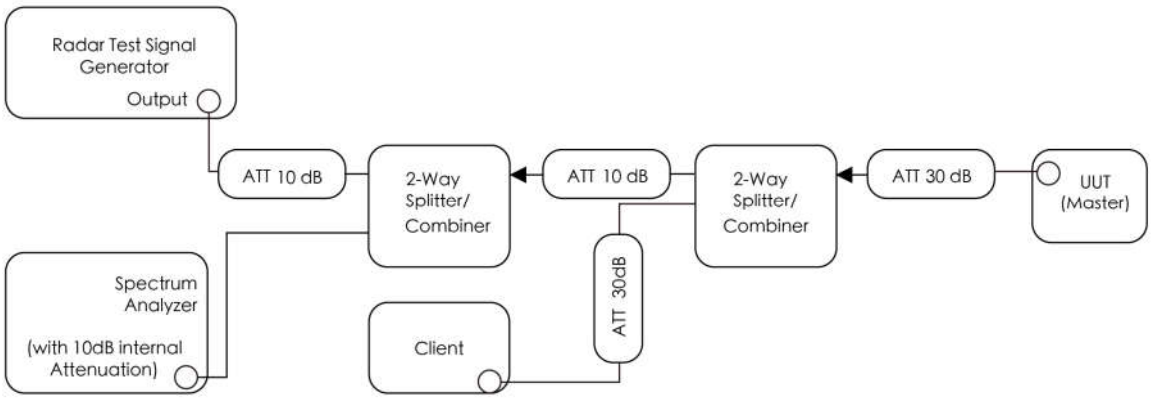


Figure 3-1: Conducted Test Setup where UUT is a Master and Radar Test Waveforms are injected into the Masters

4. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Last Cali. Date	Cali. Due Date	Test Site
Signal Analyzer	R&S	FSV40	MRTSUE06218	1 year	2023-04-06	WZ-SR4
Thermohygrometer	testo	608-H1	MRTSUE06222	1 year	2022-10-10	WZ-SR4
Signal Generator	R&S	SMBV100A	MRTSUE06279	1 year	2023-04-06	WZ-SR4
Shielding Room	HUAMING	WZ-SR4	MRTSUE06441	N/A	N/A	WZ-SR4
Signal Analyzer	Keysight	N9010B	MRTSUE06558	1 year	2022-06-24	WZ-SR4
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
DFS Tool	V 6.9.2	Agilent	DFS Test Software
Pulse Sequencer	V 2.0	R&S	DFS Test Software
Signal Studio	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.

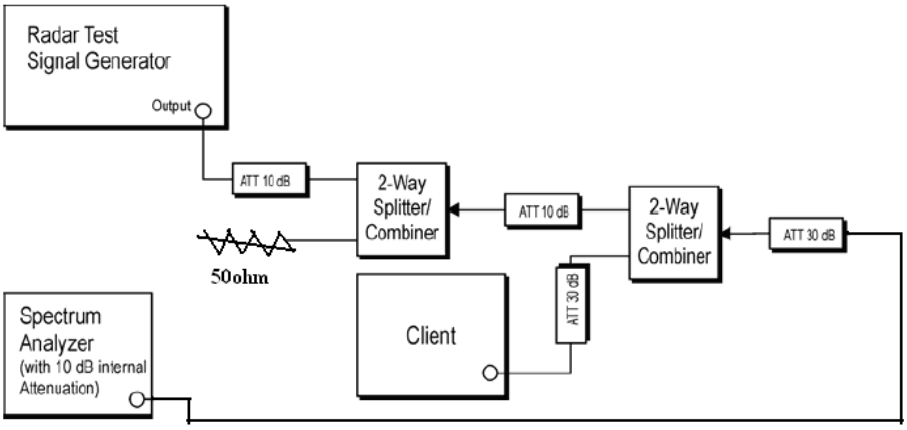


Figure 3-2: Conducted Test Setup

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

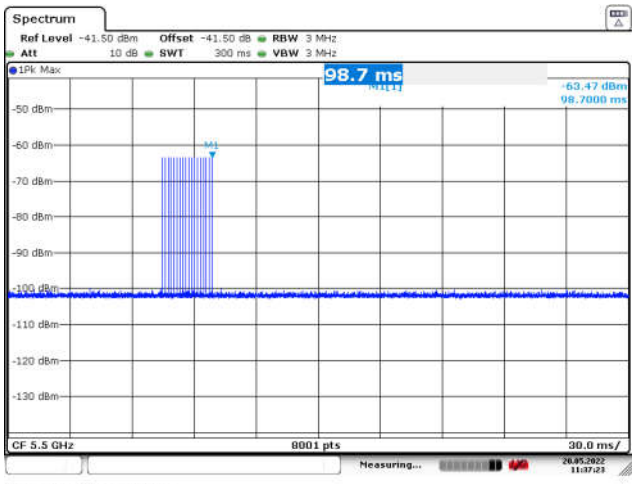
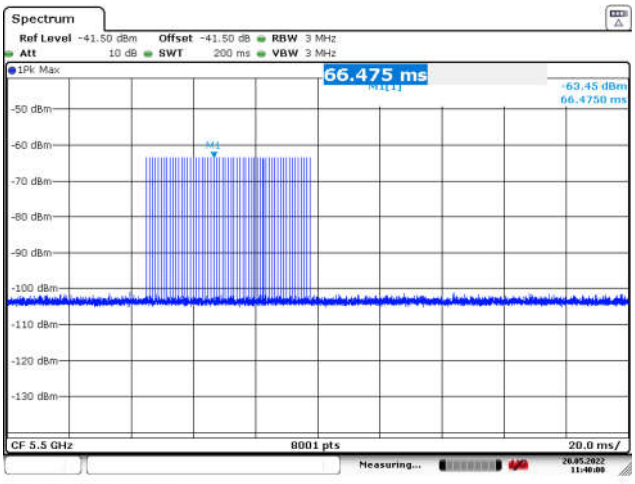
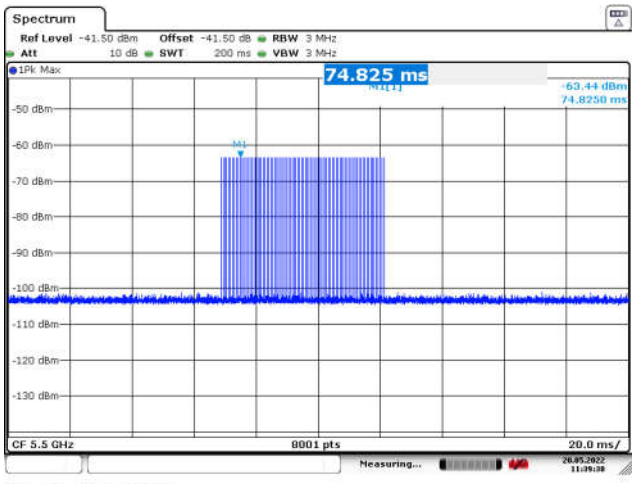
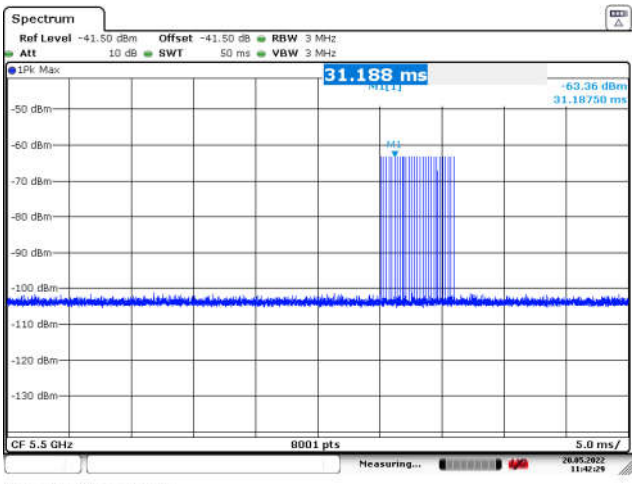
5.8.3. Test Result

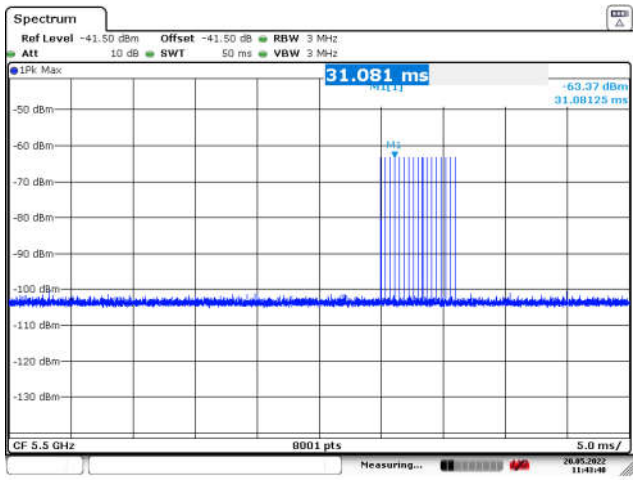
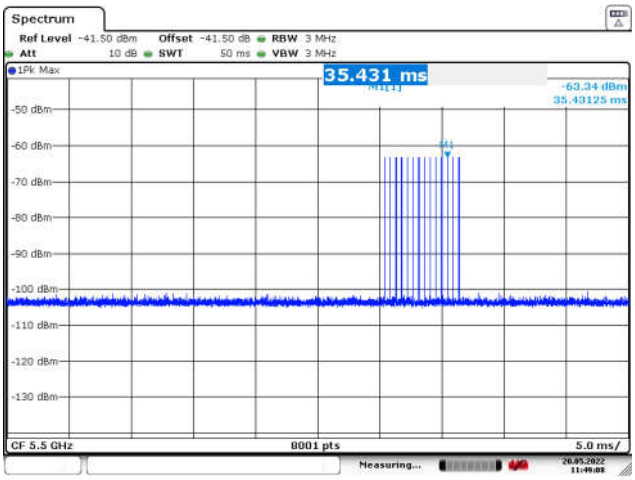
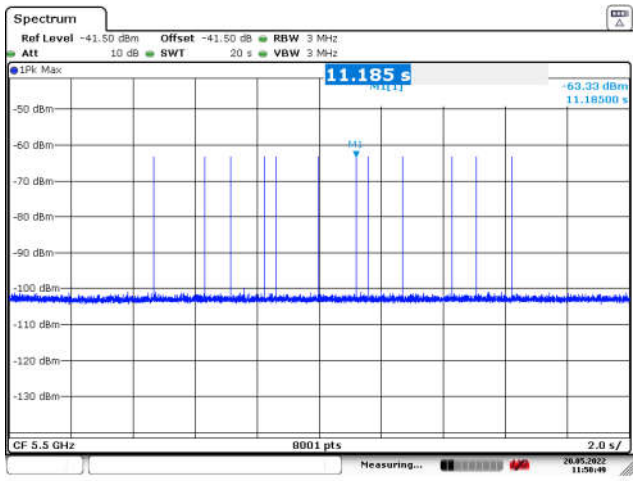
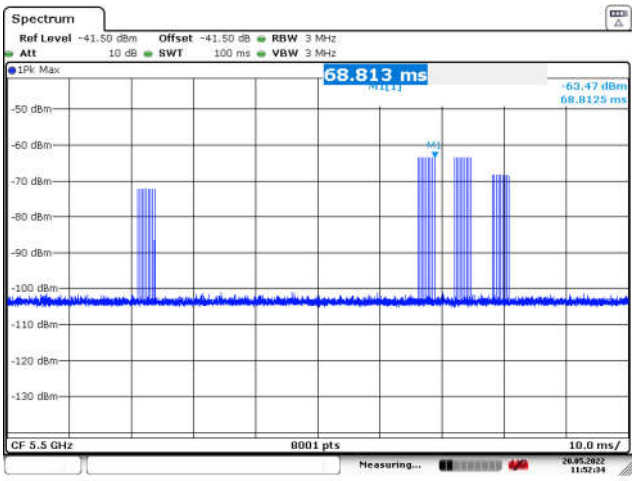
Refer to Appendix A.7.

Appendix A – Test Result

A.1 Calibration Test Result

Test Site	WZ-SR5	Test Engineer	Jake Lan
Test Date	2022/05/20	Test Item	Radar Waveform Calibration

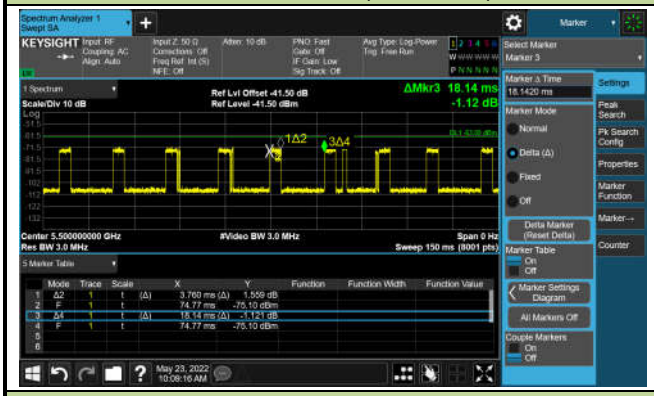
Radar Waveform Calibration	
Radar #0	Radar #1A-57-938
	
Radar #1B-86-618	Radar 2
	

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

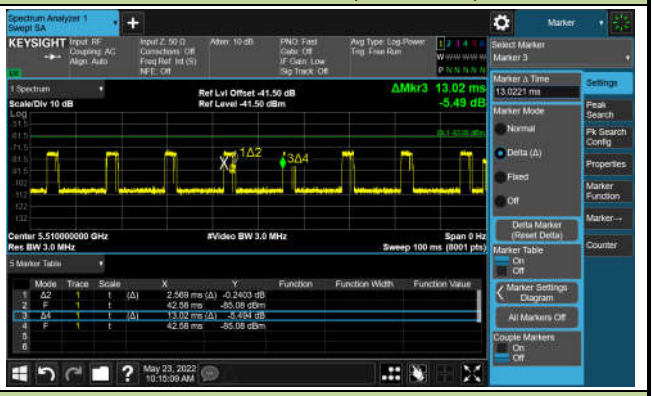
A.2 Channel Loading Test Result

Test Site	WZ-SR5	Test Engineer	Jake Lan
Test Date	2022/05/20	Test Item	Channel Loading

802.11ax-HE20 (5500MHz)

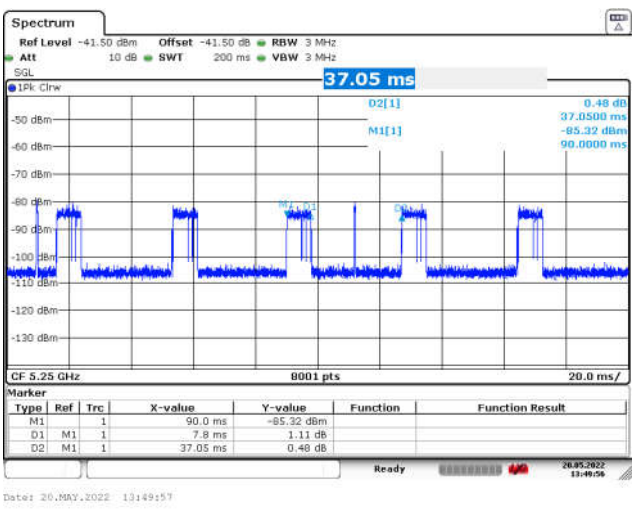


802.11ax-HE40 (5510MHz)

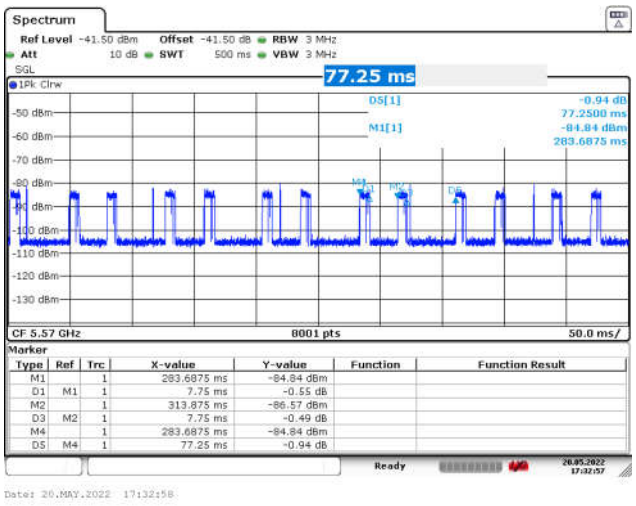


802.11ax-HE80 (5530MHz)

802.11ax-HE160 (5250MHz)



802.11ax-HE160 (5570MHz)



Test Mode	Test Frequency	Packet ratio	Requirement ratio	Test Result
802.11ax-HE20	5500 MHz	20.73%	≥ 17%	Pass
802.11ax-HE40	5510 MHz	19.73%	≥ 17%	Pass
802.11ax-HE80	5530 MHz	19.15%	≥ 17%	Pass
802.11ax-HE160	5250 MHz	21.05%	≥ 17%	Pass
802.11ax-HE160	5570 MHz	20.06%	≥ 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-SR5	Test Engineer	Jake Lan
Test Date	2022/05/24		
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 (%)
5490	0	0	0	0	0	0	0	0	0	0	0%
5490.3 F_L	1	1	1	1	1	1	1	1	1	1	100%
5491	1	1	1	1	1	1	1	1	1	1	100%
5492	1	1	1	1	1	1	1	1	1	1	100%
5493	1	1	1	1	1	1	1	1	1	1	100%
5494	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%
5506	1	1	1	1	1	1	1	1	1	1	100%
5507	1	1	1	1	1	1	1	1	1	1	100%
5508	1	1	1	1	1	1	1	1	1	1	100%
5509	1	1	1	1	1	1	1	1	1	1	100%
5509.6 F_H	1	1	1	1	1	1	1	1	1	1	100%
5510	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 19.022MHz. (See the 99% BW section of the RF report for further measurement details).

Note 2: Detection Bandwidth = F_H - F_L = 5509.6MHz – 5490.3MHz = 19.3MHz

Note 3: NII Detection Bandwidth Min. Limit (MHz): 19.022MHz

Test Site	WZ-SR5	Test Engineer	Jake Lan
Test Date	2022/05/24		
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 (%)
5490 F_L	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 F_H	1	1	1	1	1	1	1	1	1	1	100%

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 37.752MHz. (See the 99% BW section of the RF report for further measurement details).

Note 2: Detection Bandwidth = F_H - F_L = 5530MHz - 5490MHz = 40MHz.

Note 3: NII Detection Bandwidth Min. Limit (MHz): 37.752MHz.

Test Site	WZ-SR5	Test Engineer	Jake Lan
Test Date	2022/05/24		
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 (%)
5490 F_L	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 F_H	1	1	1	1	1	1	1	1	1	1	100%

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 77.125MHz. (See the 99% BW section of the RF report for further measurement details).

Note 2: Detection Bandwidth = F_H - F_L = 5570MHz - 5490MHz = 80MHz.

Note 3: NII Detection Bandwidth Min. Limit (MHz): 77.125MHz.

Test Site	WZ-SR5	Test Engineer	Jake Lan
Test Date	2022/05/24		
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 (%)
5250 F_L	1	1	1	1	1	1	1	1	1	1	100%
5251	1	1	1	1	1	1	1	1	1	1	100%
5252	1	1	1	1	1	1	1	1	1	1	100%
5253	1	1	1	1	1	1	1	1	1	1	100%
5254	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 F_H	1	1	1	1	1	1	1	1	1	1	100%

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 78.07MHz (99% BW / 2 = 156.14MHz / 2 = 78.07MHz). (See the 99% BW section of the RF report for further measurement details).

Note 2: Detection Bandwidth = F_H - F_L = 5330MHz - 5250MHz = 80MHz.

Note 3: NII Detection Bandwidth Min. Limit (MHz): 78.07MHz.

Test Site	WZ-SR5	Test Engineer	Jake Lan
Test Date	2022/05/24		
Test Item	Detection Bandwidth (802.11ax-HE160 mode - 5570MHz)		

Radar Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										
	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5490 F_L	1	1	1	1	1	1	1	1	1	1	100%
5495	1	1	1	1	1	1	1	1	1	1	100%
5505	1	1	1	1	1	1	1	1	1	1	100%
5510	1	1	1	1	1	1	1	1	1	1	100%
5515	1	1	1	1	1	1	1	1	1	1	100%
5520	1	1	1	1	1	1	1	1	1	1	100%
5525	1	1	1	1	1	1	1	1	1	1	100%
5530	1	1	1	1	1	1	1	1	1	1	100%
5535	1	1	1	1	1	1	1	1	1	1	100%
5540	1	1	1	1	1	1	1	1	1	1	100%
5545	1	1	1	1	1	1	1	1	1	1	100%
5550	1	1	1	1	1	1	1	1	1	1	100%
5555	1	1	1	1	1	1	1	1	1	1	100%
5560	1	1	1	1	1	1	1	1	1	1	100%
5565	1	1	1	1	1	1	1	1	1	1	100%
5570	1	1	1	1	1	1	1	1	1	1	100%
5575	1	1	1	1	1	1	1	1	1	1	100%
5580	1	1	1	1	1	1	1	1	1	1	100%
5585	1	1	1	1	1	1	1	1	1	1	100%
5590	1	1	1	1	1	1	1	1	1	1	100%
5595	1	1	1	1	1	1	1	1	1	1	100%
5600	1	1	1	1	1	1	1	1	1	1	100%
5605	1	1	1	1	1	1	1	1	1	1	100%
5610	1	1	1	1	1	1	1	1	1	1	100%
5615	1	1	1	1	1	1	1	1	1	1	100%
5620	1	1	1	1	1	1	1	1	1	1	100%
5625	1	1	1	1	1	1	1	1	1	1	100%
5630	1	1	1	1	1	1	1	1	1	1	100%
5635	1	1	1	1	1	1	1	1	1	1	100%
5640	1	1	1	1	1	1	1	1	1	1	100%
5645	1	1	1	1	1	1	1	1	1	1	100%
5650 F_H	1	1	1	1	1	1	1	1	1	1	100%

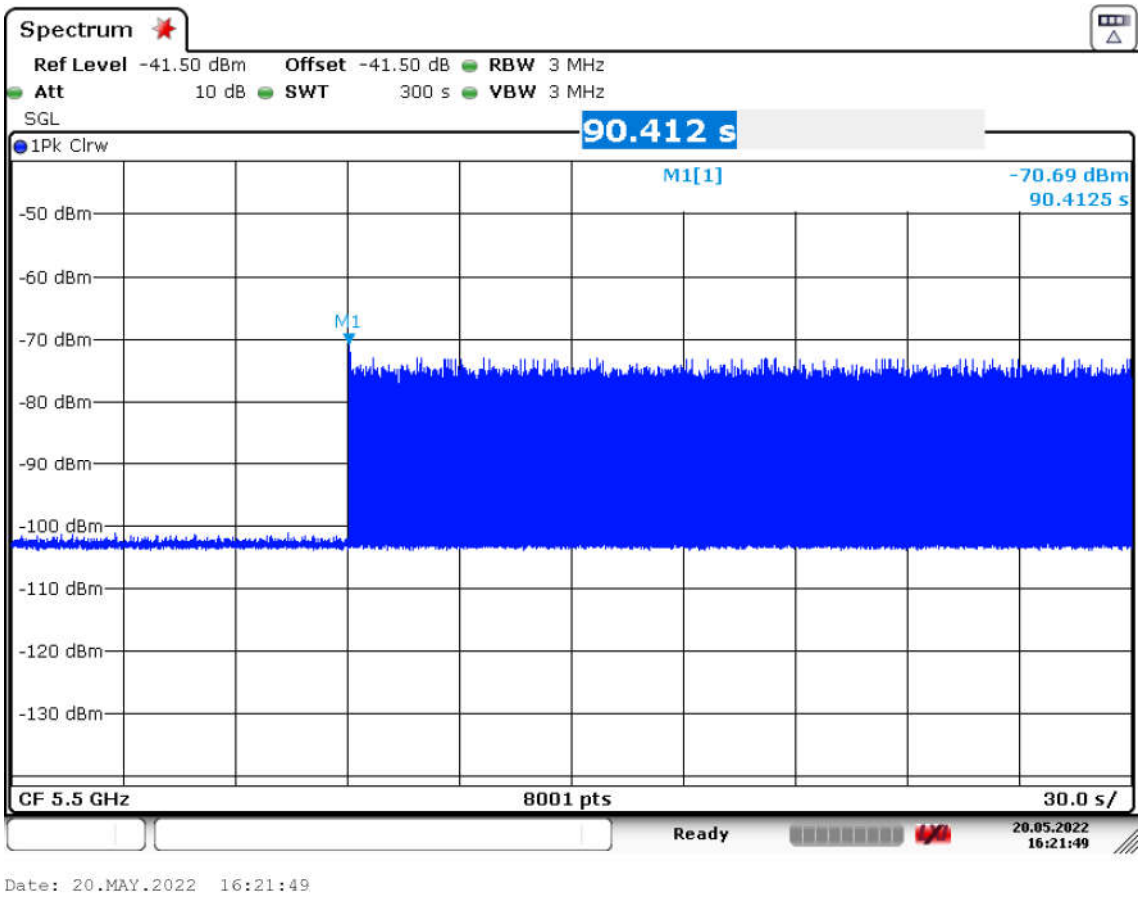
Note 1: All NII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5570MHz. The 99% channel bandwidth is 156.05MHz. (See the 99% BW section of the RF report for further measurement details).

Note 2: Detection Bandwidth = F_H - F_L = 5650MHz - 5490MHz =160MHz.

Note 3: NII Detection Bandwidth Min. Limit (MHz): 156.05MHz.

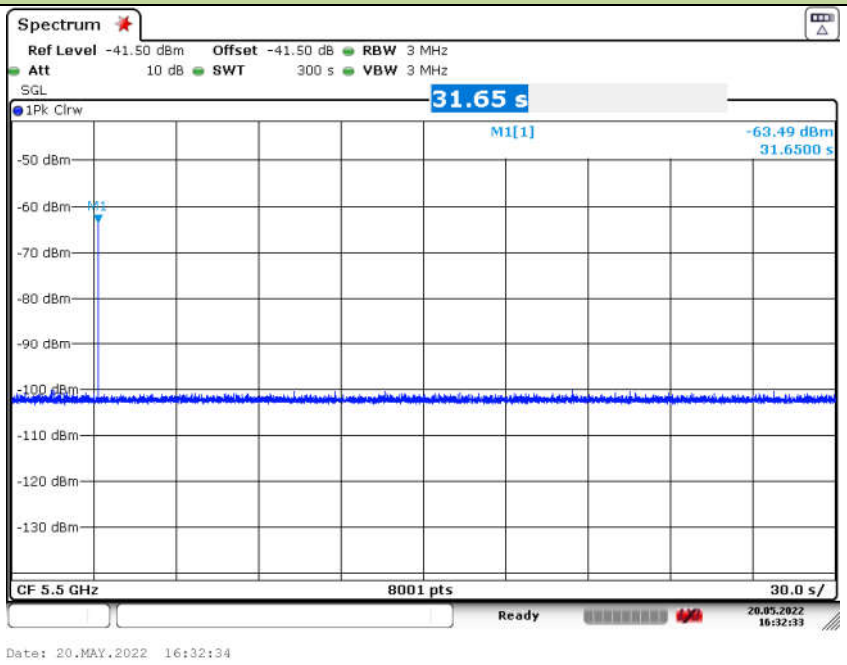
A.4 Initial Channel Availability Check Time Test Result

Test Site	WZ-SR5	Test Engineer	Jake Lan
Test Date	2022/05/20		
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 (30.412 sec). Initial beacons/data transmissions are indicated by marker 1 (90.412 sec).

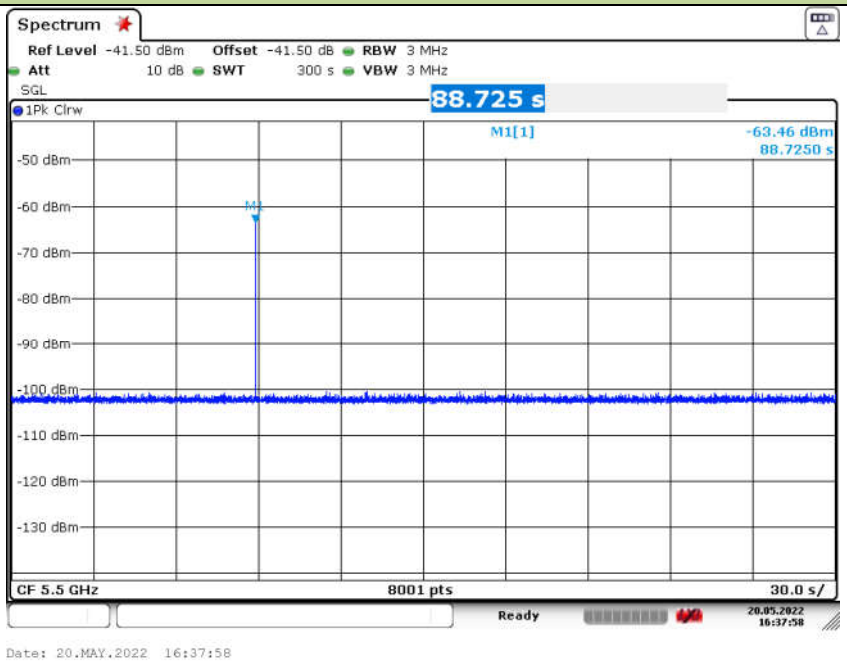
A.5 Radar Burst at the Beginning of the Channel Availability Check Time Test Result

Test Site	WZ-SR5	Test Engineer	Jake Lan
Test Date	2022/05/20		
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

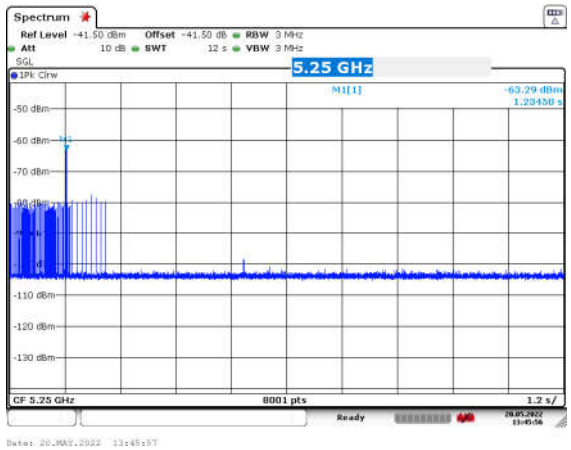
Test Site	WZ-SR5	Test Engineer	Jake Lan
Test Date	2022/05/20		
Test Item	End of the Channel Availability Check Time (802.11ax-HE20 mode - 5500MHz)		

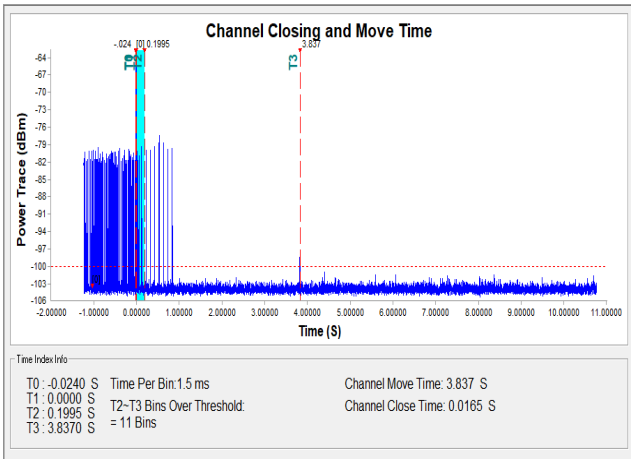
End of the Channel Availability Check Time


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

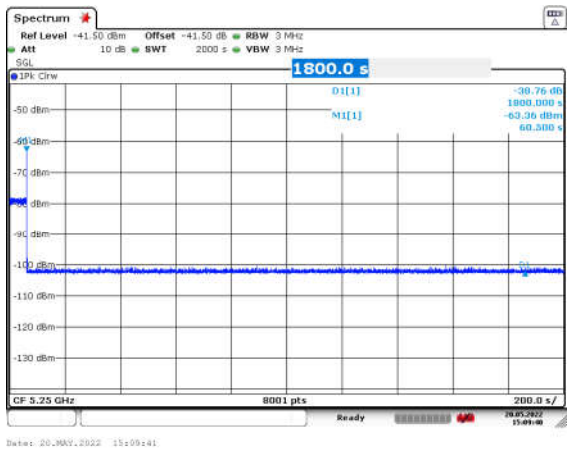
Test Site	WZ-SR5	Test Engineer	Jake Lan
Test Date	2022/05/20		
Test Item	Channel Move Time and Channel Closing Transmission Time (802.11ax-HE160 mode - 5250MHz)		

Channel Move Time and Channel Closing Transmission Time





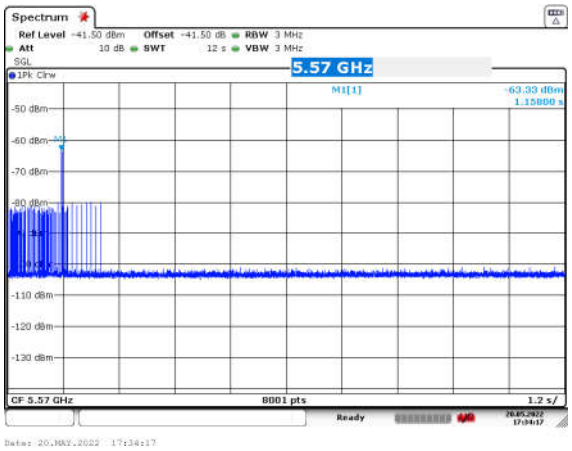
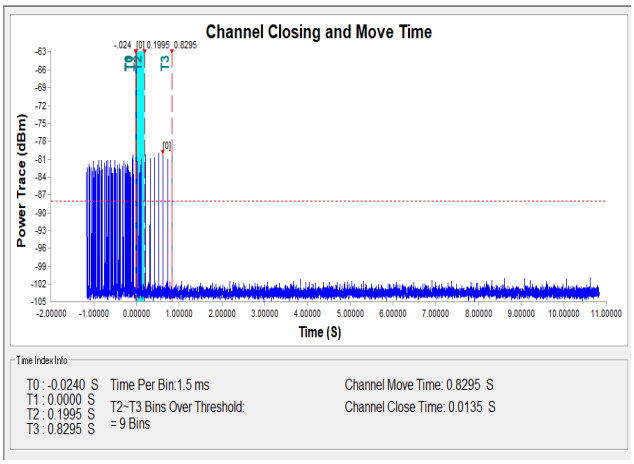
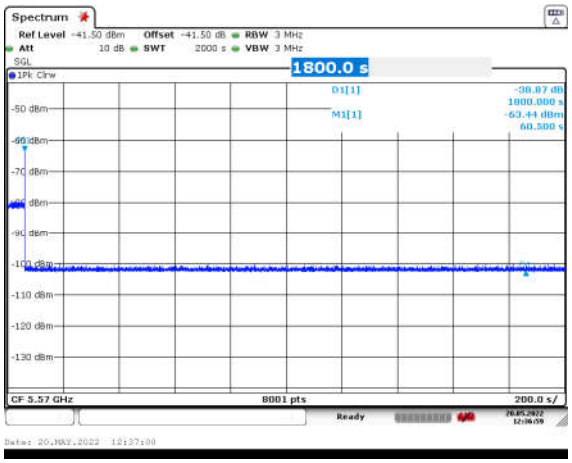
Non-Occupancy Period



Parameter	Test Result	Limit
Channel Move Time (s)	3.837s	<10s
Channel Closing Transmission Time (ms) (Note)	16.5ms	< 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.

Test Site	WZ-SR5	Test Engineer	Jake Lan
Test Date	2022/05/20		
Test Item	Channel Move Time and Channel Closing Transmission Time (802.11ax-HE160 mode - 5570MHz)		

Channel Move Time and Channel Closing Transmission Time	
	
Non-Occupancy Period	
	

Parameter	Test Result	Limit
Channel Move Time (s)	0.8295s	<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-SR5	Test Engineer	Jake Lan
Test Date	2022/06/13		
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	5490.3	1	898	59	1
2	5507	1	638	83	1
3	5501	1	698	76	1
4	5504	1	718	74	1
5	5500	1	598	89	1
6	5505	1	578	92	1
7	5506	1	678	78	1
8	5505	1	558	95	1
9	5503	1	698	76	1
10	5493	1	798	67	1
11	5508	1	718	74	1
12	5493	1	918	58	1
13	5493	1	938	57	1
14	5494	1	938	57	1
15	5492	1	678	78	1
16	5507	1	658	81	1
17	5508	1	898	59	1
18	5509	1	718	74	1
19	5508	1	818	65	0
20	5494	1	858	62	1
21	5505	1	838	63	1
22	5497	1	738	72	1
23	5495	1	658	81	1
24	5499	1	698	76	1
25	5493	1	818	65	1
26	5498	1	678	78	1

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
27	5507	1	738	72	1
28	5491	1	598	89	1
29	5502	1	658	81	1
30	5509.6	1	898	59	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	5509.3	3.1	167	27	1
2	5508	2.5	179	24	1
3	5505	1.2	169	27	1
4	5496	1.1	202	24	1
5	5494	1.9	200	25	1
6	5506	4.9	157	25	1
7	5499	4.6	197	24	0
8	5502	2.7	151	26	1
9	5496	2.1	206	28	1
10	5508	4.6	185	27	1
11	5504	2.5	172	24	1
12	5500	2.4	195	27	1
13	5492	2.4	217	25	1
14	5509	4.5	174	28	1
15	5509	2.4	172	27	1
16	5497	3.8	208	24	1
17	5509	3.8	171	26	1
18	5507	3.2	159	29	1
19	5505	4.2	191	24	1
20	5504	3.7	195	28	1
21	5492	2.4	218	28	1
22	5509	4.3	169	27	0
23	5502	4	152	25	0
24	5508	2.4	217	24	1
25	5501	4	157	27	1
26	5501	3.9	219	26	0
27	5506	2.3	179	24	1
28	5499	3.3	204	27	0
29	5502	5	181	29	1
30	5490.4	4.5	217	25	1
Detection Percentage (%)					83.3%

Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5490.3	9.2	489	17	1
2	5499	7.8	359	16	1
3	5499	9.1	427	18	0
4	5494	6.1	498	18	1
5	5498	7.5	257	18	1
6	5492	6.5	282	17	0
7	5502	7	477	18	1
8	5499	9.9	224	17	1
9	5496	6.9	314	16	1
10	5494	6.4	395	16	1
11	5504	7.9	342	17	1
12	5499	8.9	426	17	1
13	5507	6.7	385	18	1
14	5504	7	348	16	0
15	5507	7.9	491	17	0
16	5509	7.7	455	17	1
17	5507	6.9	389	18	1
18	5504	10	445	17	0
19	5505	6.6	288	17	1
20	5495	9.1	450	17	0
21	5504	9.1	292	16	1
22	5499	7.3	348	16	0
23	5500	7.9	293	17	1
24	5505	7.1	271	17	1
25	5506	9.8	368	16	1
26	5503	8.8	448	16	1
27	5509	6.8	456	16	1
28	5496	9	252	16	0
29	5506	8.6	499	17	1
30	5509.6	9.5	293	17	0
Detection Percentage (%)					70.0%

Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5490.3	13	201	13	1
2	5495	19.2	345	15	1
3	5509	12.7	224	13	1
4	5491	16.5	235	16	1
5	5498	15.8	491	13	1
6	5505	19.5	491	15	1
7	5503	13	236	13	1
8	5504	14.7	481	13	0
9	5507	18.4	367	14	0
10	5500	16.2	382	14	1
11	5506	13.3	403	12	1
12	5500	15.9	330	12	1
13	5497	14.1	385	15	1
14	5503	12.5	319	13	1
15	5497	15.2	347	13	1
16	5509.6	15	321	12	1
17	5507	16.6	344	16	1
18	5498	17.8	273	13	0
19	5498	14	330	13	1
20	5491	15.3	263	16	1
21	5507	12.2	456	12	1
22	5497	14.2	320	15	1
23	5508	15.8	377	13	0
24	5507	16	255	16	0
25	5493	15	438	15	1
26	5495	19.1	259	15	1
27	5496	14	327	16	1
28	5492	11	403	12	0
29	5496	12.8	288	16	1
30	5500	16.6	338	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%+83.3%+70.0%+80.0%)/4 = 82.5% (>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	5500.0	1	16	5495.5	1
2	5500.0	1	17	5497.5	1
3	5500.0	1	18	5494.3	1
4	5500.0	1	19	5492.7	1
5	5500.0	1	20	5498.3	1
6	5500.0	1	21	5507.6	1
7	5500.0	1	22	5506.4	1
8	5500.0	1	23	5501.6	1
9	5500.0	1	24	5506.4	1
10	5500.0	1	25	5501.6	1
11	5497.1	1	26	5506.4	1
12	5497.5	1	27	5503.6	1
13	5497.9	1	28	5507.6	1
14	5495.5	1	29	5502.4	1
15	5496.3	1	30	5504.0	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	3	85.8	14	1624	1420	17.453
2	3	85.5	14	1543	1215	315.39
3	3	76.8	14	1584	1677	1031.5
4	2	80.6	14	1123		798.32
5	1	86.2	14			197.15
6	2	56.8	14	1365		1385.17
7	3	82.8	14	1482	1716	463.17
8	2	54.4	14	1930		1390.8

Type 5 Radar Waveform_2

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	3	64.6	17	1080	1328	953.967
2	2	83.2	17	1189		971.011
3	2	94.5	17	1936		241.802
4	2	93.3	17	1385		753.893
5	1	97.1	17			171.504
6	3	92.8	17	1676	1925	702.085
7	3	83.5	17	1278	1943	20.815
8	1	84.2	17			271.796
9	2	62.1	17	1218		394.007
10	3	97.3	17	1715	1045	32.128
11	2	78	17	1977		314.009

Type 5 Radar Waveform_3

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	56.9	5	1492		393.997
2	3	78.7	5	1724	1714	395.821
3	2	97.7	5	1546		540.352
4	2	70.9	5	1160		727.313
5	2	58.7	5	1501		179.094
6	1	74.4	5			272.295
7	3	99.6	5	1834	1064	937.225
8	1	51.6	5			811.166
9	1	73.7	5			251.687
10	3	65	5	1065	1238	136.708
11	1	66.4	5			259.309

Type 5 Radar Waveform_4

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	3	84.9	11	1102	1697	244.272
2	3	86.5	11	1842	1409	650.343
3	2	71.6	11	1896		348.237
4	1	70.3	11			242.55
5	1	78.2	11			319.413
6	3	65.7	11	1604	1441	207.127
7	3	69.4	11	1198	1290	370.77
8	2	85.6	11	1832		536.313
9	3	71.4	11	1476	1324	432.297
10	3	98.8	11	1042	1042	106.55
11	3	71.7	11	1757	1363	59.613
12	3	80.2	11	1333	1773	134.257
13	3	50.7	11	1238	1505	358.17
14	2	72.7	11	1200		360.883
15	2	91.7	11	1008		589.107
16	2	92.6	11	1936		340.5
17	1	69.3	11			453.733
18	2	63.7	11	1621		45.067

Type 5 Radar Waveform_5

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	86.1	20	1146		859.087
2	3	61.5	20	1101	1164	626.24
3	1	59.3	20			891.63
4	2	88.4	20	1013		736.31
5	2	72.6	20	1965		450.28
6	2	80	20	1896		373.51
7	1	77.2	20			273.78
8	1	56.6	20			369.69
9	2	51.7	20	1204		453.6
10	3	86.6	20	1420	1435	332.5

Type 5 Radar Waveform_6

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	52.8	11	1770		32.405
2	2	96.5	11	1180		172.393
3	1	77.7	11			296.11
4	2	60	11	1278		325.09
5	2	74.3	11	1205		63.25
6	1	60.5	11			472.51
7	1	58.5	11			290.79
8	3	85.6	11	1554	1075	22.43
9	1	95.9	11			466.23
10	3	76	11	1910	1010	260.97
11	2	81.8	11	1308		358.78
12	2	97.5	11	1016		324.27
13	1	57.1	11			106.92
14	2	94.1	11	1517		206.87
15	2	99.5	11	1555		104.14
16	3	97.2	11	1905	1134	315.52
17	3	63.8	11	1017	1306	529.2
18	2	65.7	11	1901		189.3
19	1	59.3	11			364.8
20	1	63.9	11			204.5

Type 5 Radar Waveform_7

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	62.1	14	1193		198.117
2	1	82.8	14			513.533
3	3	86	14	1054	1389	18.467
4	2	54.5	14	1049		98.82
5	3	95.4	14	1937	1830	80.363
6	1	64.6	14			636.107
7	3	60.4	14	1279	1961	619.36
8	2	84.8	14	1668		647.943
9	2	52.5	14	1801		108.977
10	1	70.2	14			636.65
11	2	65.6	14	1350		238.183
12	2	54.9	14	1088		157.167
13	3	89.2	14	1238	1332	113.03
14	3	78.1	14	1442	1107	290.183
15	3	64.1	14	1412	1884	549.847
16	1	59.5	14			236.7
17	2	64.5	14	1675		450.833
18	2	79.9	14	1776		126.967

Type 5 Radar Waveform_8

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μ sec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	3	100	20	1050	1063	535.559
2	2	81.1	20	1486		246.822
3	2	98.3	20	1639		455.385
4	2	63.6	20	1614		563.423
5	2	84.8	20	1531		308.461
6	3	81.8	20	1366	1718	321.098
7	3	92.5	20	1252	1834	196.706
8	3	53.8	20	1133	1502	43.744
9	1	64.6	20			631.041
10	2	90.7	20	1804		604.249
11	2	91.4	20	1102		439.386
12	3	68.5	20	1360	1337	514.494
13	3	78.8	20	1970	1452	409.772
14	1	90.3	20			466.279
15	2	54.6	20	1675		568.747
16	2	86	20	1102		612.465
17	3	98.4	20	1150	1901	530.882

Type 5 Radar Waveform_9

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	61.7	7	1540		354.654
2	2	56.9	7	1776		520.967
3	2	79.7	7	1026		839.574
4	2	100	7	1545		392.821
5	2	82.3	7	1244		93.749
6	1	93.8	7			174.846
7	2	75.9	7	1408		753.313
8	1	77.1	7			480.44
9	3	70.2	7	1355	1749	333.597
10	2	50.1	7	1166		547.644
11	2	93.1	7	1552		644.261
12	2	63.4	7	1534		177.149
13	2	72.5	7	1210		232.586
14	2	85.1	7	1510		381.743

Type 5 Radar Waveform_10

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	56.2	6	1003		1042.47
2	2	58.4	6	1069		1465.84
3	2	95.5	6	1823		260.28
4	1	74.1	6			1071.62
5	3	95.9	6	1256	1244	1022.99
6	1	61.5	6			1050.93
7	2	58.6	6	1939		249.37
8	3	67.6	6	1361	1847	308.5

Type 5 Radar Waveform_11

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	1	67.2	17			768.109
2	2	70.2	17	1311		8.259
3	1	96.8	17			388.326
4	3	95.9	17	1035	1289	869.459
5	3	56.8	17	1027	1497	820.592
6	3	79.1	17	1335	1369	54.655
7	2	56.5	17	1361		19.648
8	2	92.5	17	1506		90.992
9	2	82.2	17	1142		342.935
10	2	57.2	17	1438		189.988
11	1	90.2	17			538.521
12	3	87.8	17	1311	1390	390.654
13	1	80.4	17			318.377

Type 5 Radar Waveform_12

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	1	79.4	18			573.263
2	2	86.7	18	1634		675.587
3	3	89.4	18	1805	1802	235.604
4	2	77.7	18	1940		199.511
5	2	75.3	18	1130		566.689
6	1	96.7	18			839.026
7	3	71.7	18	1670	1586	781.013
8	3	63.2	18	1439	1134	156.21
9	3	93.7	18	1132	1410	233.197
10	2	72.3	18	1580		204.744
11	2	67.2	18	1027		409.121
12	3	90.2	18	1486	1100	725.729
13	1	66.9	18			766.486
14	3	52.6	18	1410	1430	92.443

Type 5 Radar Waveform_13

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	98.4	19	1075		190.601
2	2	51.8	19	1771		958.95
3	2	96.8	19	1464		665.19
4	1	96.4	19			552.51
5	1	63.8	19			1065.21
6	2	67.1	19	1966		90.5
7	2	86.3	19	1130		308.32
8	1	52.6	19			844.57
9	2	75.1	19	1293		755.3
10	3	79.8	19	1640	1889	878.1

Type 5 Radar Waveform_14

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	1	68.4	13			533.386
2	2	74	13	1317		408.581
3	2	63.8	13	1107		335.212
4	3	76.8	13	1267	1784	331.153
5	2	50.3	13	1037		5.664
6	3	51.1	13	1380	1330	546.955
7	1	93.9	13			40.076
8	2	81.2	13	1885		88.387
9	3	96.1	13	1845	1005	578.518
10	3	61.9	13	1997	1351	36.099
11	2	61	13	1209		353.881
12	2	53.2	13	1025		101.282
13	2	97.6	13	1721		382.513
14	3	97.9	13	1267	1769	190.124
15	1	74.9	13			181.735
16	3	63.1	13	1738	1789	446.536
17	2	67.5	13	1828		595.337
18	2	80.4	13	1307		406.858
19	2	55.8	13	1288		345.879

Type 5 Radar Waveform_15

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	76.1	15	1387		169.048
2	2	76.3	15	1226		361.42
3	1	51.1	15			290.37
4	1	50.9	15			377.18
5	3	93.7	15	1685	1275	823.55
6	1	59.6	15			508.5
7	2	67.1	15	1537		886.41
8	2	96.4	15	1776		41.35
9	2	73.8	15	1668		231.73
10	3	77.6	15	1956	1954	637.65
11	2	82.1	15	1717		522.8
12	1	97.3	15			219.2

Type 5 Radar Waveform_16

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	79.3	13	1907		428.071
2	2	85	13	1958		68.435
3	1	81.8	13			568.752
4	2	77	13	1531		108.663
5	1	69.8	13			590.834
6	2	57.7	13	1674		255.125
7	2	99.4	13	1519		355.696
8	2	80.1	13	1265		0.417
9	2	93.7	13	1946		515.128
10	1	92	13			118.269
11	3	70.3	13	1585	1774	416.311
12	2	56.7	13	1825		623.072
13	2	62.5	13	1556		502.523
14	3	85.4	13	1850	1801	168.134
15	2	53.4	13	1636		151.525
16	3	89.1	13	1911	1971	37.476
17	2	97.6	13	1017		463.137
18	2	99.9	13	1151		43.158
19	1	63.2	13			37.679

Type 5 Radar Waveform_17

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	3	53.6	18	1975	1839	155.423
2	2	59.6	18	1545		590.01
3	3	58.4	18	1241	1736	504.87
4	3	71.9	18	1871	1115	401.66
5	2	51.5	18	1931		142.65
6	1	56.6	18			593.5
7	2	100	18	1735		351.82
8	3	94.5	18	1024	1689	567.11
9	2	59.7	18	1736		524.88
10	3	91	18	1579	1756	138.44
11	3	81	18	1558	1365	331.05
12	1	99.4	18			504.86
13	3	75.2	18	1232	1476	322.52
14	3	78.3	18	1298	1131	216.74
15	1	71.6	18			280.83
16	2	98	18	1825		363.58
17	2	62	18	1924		26.38
18	1	88	18			557.2
19	2	65.7	18	1277		531.6
20	3	82.9	18	1786	1870	228.3

Type 5 Radar Waveform_18

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	3	72.2	10	1767	1711	149.393
2	2	92.6	10	1482		798.26
3	2	72.8	10	1518		63.6
4	3	97.8	10	1209	1899	201.55
5	1	77.6	10			543.21
6	3	51.2	10	1674	1021	149.48
7	2	63.9	10	1185		1072.99
8	3	58.2	10	1680	1327	570.06
9	1	75	10			39.05
10	1	73.3	10			415.7

Type 5 Radar Waveform_19

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	3	84.2	6	1184	1649	595.339
2	2	84.7	6	1918		492.93
3	2	75.4	6	1914		763.95
4	3	95.6	6	1058	1503	386.44
5	3	92	6	1358	1882	264.17
6	2	97.7	6	1464		528.63
7	3	64.1	6	1771	1611	766.02
8	2	99.9	6	1058		246.99
9	3	65.3	6	1410	1450	152.67
10	3	59.2	6	1225	1235	75.66
11	3	80.6	6	1887	1760	371.18
12	2	86.4	6	1471		681.35
13	2	54.6	6	1078		671.4
14	1	55.8	6			196.6
15	3	85.2	6	1519	1592	536.9

Type 5 Radar Waveform_20

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	92.4	20	1794		622.916
2	1	65.9	20			395.823
3	2	69.5	20	1058		265.576
4	2	87	20	1712		41.529
5	2	76.3	20	1749		28.242
6	2	97.7	20	1862		416.905
7	2	72	20	1693		182.958
8	2	92.7	20	1209		347.212
9	2	96.6	20	1603		188.235
10	3	50.8	20	1367	1490	304.938
11	1	76	20			663.601
12	3	50.3	20	1156	1705	11.654
13	2	82.8	20	1964		797.777

Type 5 Radar Waveform_21

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	63.7	5	1270		127.399
2	2	57.2	5	1436		268.454
3	3	71.1	5	1059	1332	170.685
4	3	64.1	5	1842	1753	560.883
5	3	95.1	5	1216	1704	472.101
6	2	69.9	5	1547		198.738
7	2	76.5	5	1566		265.116
8	2	81.4	5	1254		464.214
9	2	51.6	5	1253		352.881
10	1	99.3	5			422.429
11	1	97.8	5			633.156
12	2	96.9	5	1961		622.084
13	1	97.6	5			58.352
14	2	61.4	5	1319		424.389
15	1	93.2	5			654.247
16	2	65.1	5	1014		201.765
17	3	64.2	5	1137	1557	683.282

Type 5 Radar Waveform_22

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	100	8	1323		196.301
2	2	59.1	8	1293		524.578
3	3	52.9	8	1155	1318	659.715
4	2	66.9	8	1164		612.913
5	2	99.1	8	1965		503.851
6	3	88.4	8	1286	1540	320.438
7	1	95.3	8			290.836
8	2	66.7	8	1220		579.484
9	2	80.6	8	1134		691.041
10	1	89.3	8			83.899
11	1	74.6	8			651.866
12	1	92.7	8			668.374
13	2	61.2	8	1672		136.662
14	3	87.3	8	1604	1366	661.139
15	3	76.8	8	1456	1138	181.947
16	1	64.8	8			477.365
17	2	69	8	1639		646.482

Type 5 Radar Waveform_23

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	1	58.4	20			166.727
2	2	92.2	20	1375		525.927
3	1	54.2	20			385.534
4	3	69.9	20	1263	1807	808.851
5	3	72.2	20	1753	1734	125.439
6	1	73.8	20			783.786
7	2	97.6	20	1201		651.473
8	1	80.3	20			800.97
9	2	55.5	20	1591		111.287
10	3	80.7	20	1377	1575	320.124
11	1	56.3	20			6.561
12	1	58.8	20			606.529
13	2	60.1	20	1618		224.686
14	2	76.3	20	1566		299.943

Type 5 Radar Waveform_24

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	1	97.6	8			206.218
2	2	67.6	8	1099		485.601
3	2	76.3	8	1605		557.692
4	2	70.4	8	1850		824.233
5	1	59	8			787.084
6	1	91.8	8			211.235
7	2	77.6	8	1351		211.765
8	2	56.5	8	1468		687.506
9	1	92.8	8			218.667
10	1	52.9	8			1080.618
11	2	66.5	8	1954		324.309

Type 5 Radar Waveform_25

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	1	51.6	20			300.399
2	1	94.1	20			668.29
3	2	88.7	20	1524		1078.15
4	3	82.9	20	1813	1112	876.05
5	1	56.2	20			389.74
6	2	79.8	20	1247		1019.94
7	3	83.7	20	1619	1513	811.37
8	2	92.7	20	1472		1222.9

Type 5 Radar Waveform_26

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	1	70.6	8			579.157
2	2	82.6	8	1476		833.553
3	1	61.9	8			141.866
4	2	70.9	8	1996		532.649
5	2	54.7	8	1454		415.742
6	3	64.9	8	1084	1719	128.505
7	2	82.8	8	1378		874.018
8	2	89.5	8	1169		646.772
9	2	71.9	8	1610		259.445
10	2	81.6	8	1037		382.308
11	3	52.7	8	1143	1921	591.181
12	3	81	8	1307	1593	618.654
13	2	70	8	1114		204.977

Type 5 Radar Waveform_27

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	66.2	15	1237		781.96
2	2	87.7	15	1602		687.9
3	3	94.2	15	1451	1454	13.09
4	1	91.6	15			835.64
5	1	89.6	15			683.42
6	2	66.2	15	1981		566.88
7	2	81.2	15	1961		692.53
8	1	75.2	15			672.92
9	2	82.1	15	1475		207.71
10	2	66.9	15	1040		647.7
11	2	56.6	15	1712		516.4
12	3	54.2	15	1752	1220	485.4

Type 5 Radar Waveform_28

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	76.8	5	1237		204.208
2	3	86.9	5	1204	1318	873.353
3	3	91.5	5	1124	1178	724.566
4	2	79.7	5	1867		403.739
5	2	66.4	5	1018		517.592
6	2	73.9	5	1846		515.915
7	1	82.8	5			629.008
8	3	52.8	5	1367	1961	499.622
9	2	79.3	5	1867		218.725
10	2	84.4	5	1291		752.338
11	2	98.5	5	1139		248.611
12	2	64.2	5	1689		743.854
13	2	93.9	5	1540		434.077

Type 5 Radar Waveform_29

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	74.4	18	1224		200.086
2	2	81.4	18	1860		97.489
3	1	88.2	18			659.244
4	2	81.4	18	1686		241.981
5	2	56.3	18	1126		799.019
6	3	74.7	18	1499	1640	234.656
7	2	91.3	18	1279		247.123
8	2	62.6	18	1565		576.31
9	1	81.4	18			687.927
10	2	67.3	18	1488		355.944
11	2	99.9	18	1963		465.391
12	1	87	18			159.679
13	3	94.2	18	1021	1062	370.786
14	1	69.2	18			149.443

Type 5 Radar Waveform_30

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	68.3	14	1615		607.332
2	1	85.9	14			478.401
3	2	79	14	1050		190.472
4	1	93.2	14			3.983
5	3	89.1	14	1427	1034	17.274
6	2	54.3	14	1065		596.905
7	1	92.7	14			21.826
8	2	58.1	14	1611		305.527
9	2	65.1	14	1202		283.178
10	1	52.1	14			140.239
11	1	87.4	14			588.681
12	3	97	14	1714	1082	300.352
13	2	91.3	14	1472		0.143
14	1	96.5	14			309.814
15	3	81.4	14	1425	1045	445.605
16	2	58.6	14	1948		90.266
17	3	90.9	14	1473	1635	173.437
18	1	77.3	14			146.958
19	2	96.6	14	1836		326.879

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	0	30	1
Detection Percentage (%)		96.7%	

Type 6 Radar Waveform_1

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
26	5.5	5.499	20	*
28	5.5	5.5	20	*
43	5.5	5.495	20	*
87	5.5	5.501	20	*
98	5.5	5.497	20	*

Type 6 Radar Waveform_2

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
18	5.5	5.499	20	*
23	5.5	5.495	20	*
45	5.5	5.492	20	*
89	5.5	5.509	20	*
95	5.5	5.506	20	*
99	5.5	5.497	20	*
100	5.5	5.496	20	*

Type 6 Radar Waveform_3

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
8	5.5	5.507	20	*
13	5.5	5.505	20	*
14	5.5	5.491	20	*
18	5.5	5.508	20	*
46	5.5	5.496	20	*
48	5.5	5.5	20	*

Type 6 Radar Waveform_4

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.5	5.491	20	*
23	5.5	5.506	20	*
66	5.5	5.5	20	*
92	5.5	5.502	20	*
96	5.5	5.499	20	*

Type 6 Radar Waveform_5

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
9	5.5	5.495	20	*
34	5.5	5.51	20	*
57	5.5	5.509	20	*
94	5.5	5.505	20	*

Type 6 Radar Waveform_6

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
37	5.5	5.504	20	*

Type 6 Radar Waveform_7

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
32	5.5	5.508	20	*
41	5.5	5.502	20	*
59	5.5	5.506	20	*
80	5.5	5.498	20	*
81	5.5	5.493	20	*

Type 6 Radar Waveform_8

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.5	5.504	20	*
53	5.5	5.499	20	*
55	5.5	5.493	20	*
94	5.5	5.506	20	*

Type 6 Radar Waveform_9

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.5	5.501	20	*
16	5.5	5.502	20	*
39	5.5	5.507	20	*
66	5.5	5.495	20	*
83	5.5	5.508	20	*

Type 6 Radar Waveform_10

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
64	5.5	5.504	20	*
68	5.5	5.496	20	*
82	5.5	5.509	20	*
99	5.5	5.497	20	*

Type 6 Radar Waveform_11

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
21	5.5	5.5	20	*
34	5.5	5.491	20	*
54	5.5	5.509	20	*
61	5.5	5.49	20	*
83	5.5	5.506	20	*

Type 6 Radar Waveform_12

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
11	5.5	5.499	20	*
80	5.5	5.501	20	*
89	5.5	5.496	20	*

Type 6 Radar Waveform_13

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
16	5.5	5.496	20	*
56	5.5	5.507	20	*
62	5.5	5.508	20	*
80	5.5	5.494	20	*
81	5.5	5.504	20	*

Type 6 Radar Waveform_14

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
20	5.5	5.499	20	*
32	5.5	5.505	20	*
47	5.5	5.498	20	*
62	5.5	5.506	20	*
71	5.5	5.507	20	*
79	5.5	5.495	20	*
94	5.5	5.491	20	*

Type 6 Radar Waveform_15

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
13	5.5	5.502	20	*
21	5.5	5.492	20	*

Type 6 Radar Waveform_16

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
9	5.5	5.491	20	*
51	5.5	5.49	20	*
60	5.5	5.493	20	*
64	5.5	5.507	20	*
79	5.5	5.506	20	*
80	5.5	5.503	20	*

Type 6 Radar Waveform_17

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
8	5.5	5.496	20	*
26	5.5	5.499	20	*
30	5.5	5.51	20	*
48	5.5	5.504	20	*

Type 6 Radar Waveform_18

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
17	5.5	5.496	20	*
32	5.5	5.506	20	*
38	5.5	5.493	20	*
39	5.5	5.497	20	*
40	5.5	5.503	20	*
73	5.5	5.498	20	*
94	5.5	5.51	20	*

Type 6 Radar Waveform_19

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.5	5.5	20	*
48	5.5	5.493	20	*
70	5.5	5.509	20	*
83	5.5	5.503	20	*

Type 6 Radar Waveform_20

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
26	5.5	5.5	20	*
32	5.5	5.49	20	*
53	5.5	5.504	20	*
66	5.5	5.496	20	*
67	5.5	5.505	20	*
73	5.5	5.498	20	*

Type 6 Radar Waveform_21

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
12	5.5	5.498	20	*
17	5.5	5.491	20	*
20	5.5	5.494	20	*
88	5.5	5.506	20	*

Type 6 Radar Waveform_22

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
14	5.5	5.508	20	*
23	5.5	5.49	20	*
53	5.5	5.502	20	*
69	5.5	5.497	20	*
75	5.5	5.5	20	*

Type 6 Radar Waveform_23

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
21	5.5	5.495	20	*
35	5.5	5.499	20	*
36	5.5	5.496	20	*

Type 6 Radar Waveform_24

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.5	5.493	20	*
41	5.5	5.505	20	*
71	5.5	5.502	20	*
88	5.5	5.498	20	*
90	5.5	5.49	20	*
97	5.5	5.496	20	*

Type 6 Radar Waveform_25

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
11	5.5	5.498	20	*
62	5.5	5.492	20	*
94	5.5	5.496	20	*

Type 6 Radar Waveform_26

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
37	5.5	5.505	20	*
74	5.5	5.493	20	*
94	5.5	5.507	20	*

Type 6 Radar Waveform_27

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
55	5.5	5.496	20	*
58	5.5	5.507	20	*
81	5.5	5.493	20	*

Type 6 Radar Waveform_28

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
43	5.5	5.494	20	*
56	5.5	5.504	20	*
91	5.5	5.493	20	*
100	5.5	5.497	20	*

Type 6 Radar Waveform_29

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
26	5.5	5.497	20	*
31	5.5	5.502	20	*
44	5.5	5.508	20	*
83	5.5	5.506	20	*
98	5.5	5.492	20	*

Type 6 Radar Waveform_30

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
26	5.5	5.505	20	*
41	5.5	5.508	20	*
94	5.5	5.495	20	*

Test Site	WZ-SR5	Test Engineer	Jake Lan
Test Date	2022/06/13		
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	5507	1	718	74	1
2	5499	1	598	89	1
3	5502	1	538	98	1
4	5490	1	718	74	1
5	5515	1	578	92	1
6	5517	1	838	63	1
7	5497	1	678	78	1
8	5500	1	878	61	1
9	5520	1	638	83	1
10	5497	1	578	92	1
11	5526	1	738	72	1
12	5528	1	658	81	1
13	5492	1	718	74	1
14	5510	1	3066	18	1
15	5521	1	838	63	1
16	5520	1	798	67	1
17	5523	1	658	81	1
18	5511	1	718	74	1
19	5494	1	818	65	1
20	5496	1	778	68	1
21	5503	1	898	59	1
22	5507	1	758	70	1
23	5530	1	898	59	1
24	5502	1	618	86	1
25	5518	1	598	89	1
26	5495	1	538	98	1

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
27	5511	1	678	78	1
28	5526	1	678	78	1
29	5493	1	778	68	1
30	5514	1	918	58	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	5503	3.9	225	25	1
2	5498	2.4	171	28	1
3	5490	4	153	24	0
4	5508	2.9	213	27	1
5	5513	2.7	230	26	0
6	5529	2.3	189	29	1
7	5510	4	199	27	1
8	5512	3.9	201	28	1
9	5495	4.3	167	25	1
10	5530	4	161	28	0
11	5526	4	151	24	1
12	5529	2.3	198	27	1
13	5523	1.1	209	24	0
14	5501	2	212	24	0
15	5494	1.1	192	29	0
16	5529	2.6	164	23	1
17	5506	2.2	203	27	1
18	5509	2.9	227	26	0
19	5528	3.4	166	28	1
20	5494	4.8	163	27	1
21	5517	3.4	188	28	1
22	5497	3	204	28	0
23	5529	4.6	173	26	1
24	5513	4.1	222	27	1
25	5499	1	227	29	1
26	5493	4.3	203	25	1
27	5518	3.6	230	25	1
28	5512	1	163	25	1
29	5525	1	156	25	1
30	5527	2	169	26	1
Detection Percentage (%)					73.3%

Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5509	8	213	17	0
2	5492	7	448	18	1
3	5498	8.8	225	17	1
4	5520	7.2	365	17	1
5	5524	7	453	17	1
6	5515	8.4	481	18	1
7	5530	8.9	413	17	0
8	5512	6.5	370	17	0
9	5490	9	465	17	0
10	5513	7.1	303	16	1
11	5504	9.1	338	17	1
12	5518	9.6	227	17	0
13	5497	8.4	267	16	1
14	5529	7.1	328	17	1
15	5504	9	295	17	0
16	5524	6.6	326	16	1
17	5521	7.4	387	17	1
18	5520	7.2	486	16	1
19	5508	6.8	482	17	1
20	5513	7.3	414	16	1
21	5527	7.3	307	18	0
22	5496	8.6	378	17	0
23	5510	9.3	301	18	1
24	5491	7.3	215	16	1
25	5521	9.7	293	18	1
26	5503	8.7	278	17	1
27	5527	9.9	446	17	1
28	5523	10	322	18	1
29	5524	6.3	448	16	0
30	5494	7	320	16	1
Detection Percentage (%)					70.0%

Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5527	14.6	327	12	1
2	5501	11.5	332	14	1
3	5526	17.3	427	13	1
4	5494	17.8	221	16	1
5	5496	11.6	237	15	1
6	5506	19	225	14	1
7	5520	15.9	381	13	1
8	5530	11.3	313	13	0
9	5504	15.9	445	14	1
10	5519	15	277	12	1
11	5514	15.4	230	13	1
12	5520	15.7	262	13	0
13	5518	12.5	479	14	1
14	5496	12.5	483	13	1
15	5526	19.9	426	12	0
16	5509	15.2	389	13	1
17	5493	12.5	433	14	0
18	5497	18.3	300	16	1
19	5518	16.8	402	14	1
20	5513	18.6	282	15	1
21	5512	13.8	236	13	1
22	5501	16.2	476	12	0
23	5518	18.7	207	15	1
24	5518	12.1	215	13	1
25	5517	16	319	15	1
26	5522	18.8	312	14	1
27	5516	13.1	205	13	1
28	5493	19.8	479	14	1
29	5510	20	350	15	1
30	5490	14.1	472	12	0
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: $\frac{P_d1+P_d2+P_d3+P_d4}{4}$ = (100.0%+73.3%+70.0%+80.0%)/4 = 80.8% (>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	5510.0	1	16	5494.4	1
2	5510.0	1	17	5492.0	1
3	5510.0	1	18	5495.2	1
4	5510.0	1	19	5492.0	1
5	5510.0	1	20	5492.8	0
6	5510.0	1	21	5524.8	1
7	5510.0	1	22	5522.0	1
8	5510.0	1	23	5523.2	1
9	5510.0	1	24	5522.4	1
10	5510.0	1	25	5522.8	1
11	5492.8	0	26	5528.0	1
12	5494.8	1	27	5526.8	1
13	5497.2	1	28	5524.0	1
14	5494.0	1	29	5527.6	1
15	5496.0	1	30	5528.0	1
Detection Percentage (%)					93.3%

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	53.7	6	1835		688.771
2	3	62.5	6	1747	1458	411.763
3	3	62.2	6	1737	1321	615.586
4	2	79.5	6	1466		451.819
5	2	87.3	6	1903		601.042
6	2	68.6	6	1398		14.745
7	1	92.7	6			827.968
8	2	53.9	6	1303		200.782
9	1	94.4	6			281.565
10	3	95.3	6	1128	1856	913.628
11	3	56	6	1253	1274	100.021
12	2	66.5	6	1347		465.454
13	2	79.6	6	1528		655.677

Type 5 Radar Waveform_2

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	51.3	12	1557		257.24
2	2	73.3	12	1840		20.1
3	3	60	12	1919	1607	886.6
4	3	83.2	12	1971	1759	312.32
5	1	73	12			502.76
6	2	78.1	12	1316		231.07
7	3	89.1	12	1194	1037	739.24
8	1	80.8	12			566.24
9	3	89.9	12	1780	1761	107.72
10	3	54.3	12	1588	1509	478.6

Type 5 Radar Waveform_3

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	1	77.5	11			690.236
2	1	82.2	11			726.811
3	2	55	11	1587		863.142
4	2	61.4	11	1643		254.473
5	2	80.7	11	1034		15.754
6	2	59.3	11	1751		280.645
7	1	72.4	11			837.415
8	2	71.4	11	1613		961.546
9	3	51.3	11	1947	1203	138.847
10	3	98.6	11	1999	1000	356.318
11	2	69.4	11	1154		205.309

Type 5 Radar Waveform_4

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	67	7	1856		359.273
2	2	85.9	7	1451		902
3	1	99.6	7			461.25
4	2	62.1	7	1584		940.44
5	1	91.9	7			315.11
6	1	51.7	7			329.52
7	1	79.9	7			901.42
8	2	69	7	1637		359.22
9	2	50.1	7	1158		973.95
10	1	69.1	7			52.9
11	1	50.3	7			535.7
12	2	50.6	7	1378		47.1

Type 5 Radar Waveform_5

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	94.8	18	1023		298.636
2	2	92.4	18	1335		515.977
3	3	75.6	18	1919	1259	651.753
4	3	92	18	1342	1767	965.78
5	2	61.8	18	1396		529.327
6	1	62.9	18			247.403
7	3	84.8	18	1861	1966	1133.68
8	2	99.2	18	1433		630.107
9	2	61.8	18	1607		512.833

Type 5 Radar Waveform_6

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	66.3	13	1312		344.462
2	1	71.6	13			225.41
3	2	52.1	13	1779		423.37
4	2	81.5	13	1504		958.6
5	1	65.4	13			528.04
6	3	79.6	13	1606	1939	164.34
7	3	58.6	13	1494	1873	737.06
8	2	78.8	13	1048		387.82
9	1	54.1	13			562.11
10	2	93	13	1773		970.57
11	1	98.1	13			504
12	2	93.5	13	1647		48.2

Type 5 Radar Waveform_7

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	75.1	6	1352		1265.81
2	1	79.7	6			580.75
3	3	92.7	6	1462	1714	691.83
4	1	69.9	6			1393.25
5	3	91	6	1440	1682	750
6	2	54.8	6	1420		766.92
7	2	87.6	6	1173		705.57
8	3	79.2	6	1382	1792	206.5

Type 5 Radar Waveform_8

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μ sec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	1	52.9	13			854.132
2	3	93.8	13	1238	1229	823.76
3	3	61.1	13	1596	1562	412.25
4	2	57.1	13	1057		565.71
5	3	59	13	1385	1667	487.74
6	2	63.6	13	1588		1041.21
7	3	87.4	13	1774	1163	244.41
8	1	75.9	13			633.85
9	2	58.5	13	1454		478.5
10	2	91.5	13	1931		60.9

Type 5 Radar Waveform_9

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	50.8	18	1378		1300.09
2	3	79.4	18	1831	1446	167.15
3	2	57.5	18	1983		1316.49
4	1	87.8	18			1418.93
5	2	65.9	18	1952		1046.5
6	3	68.7	18	1525	1768	1219.89
7	1	69.1	18			860.35
8	2	95.8	18	1171		114.8

Type 5 Radar Waveform_10

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	73.1	9	1489		207.164
2	1	93.1	9			91.438
3	1	50.4	9			491.457
4	2	69.5	9	1681		46.83
5	2	74	9	1020		509.223
6	3	94.1	9	1328	1436	123.427
7	2	82.7	9	1122		254.23
8	3	76.7	9	1008	1104	72.813
9	2	69.5	9	1412		185.007
10	2	95.2	9	1759		402.04
11	2	92.6	9	1319		599.643
12	2	71.3	9	1339		12.387
13	2	55.5	9	1133		68.12
14	1	81.7	9			650.783
15	3	60	9	1872	1276	516.547
16	2	91.3	9	1064		2.6
17	2	78.3	9	1760		274.133
18	3	91.9	9	1576	1396	108.467

Type 5 Radar Waveform_11

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	3	94	7	1923	1100	665.596
2	2	66.9	7	1185		34.447
3	2	69.1	7	1711		857.583
4	3	73.5	7	1713	1871	989.95
5	1	65.7	7			493.887
6	3	87.9	7	1738	1623	954.403
7	2	56.7	7	1171		372.88
8	2	62.1	7	1853		763.467
9	3	59.9	7	1387	1207	980.033

Type 5 Radar Waveform_12

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	1	52.2	12			448.179
2	2	97.8	12	1390		803.711
3	3	73.5	12	1709	1514	85.422
4	2	95.6	12	1855		603.993
5	2	98.6	12	1151		77.514
6	3	63.3	12	1689	1135	1045.815
7	3	78.6	12	1185	1782	206.515
8	2	57.9	12	1863		207.676
9	3	95.1	12	1990	1363	1001.067
10	3	92.5	12	1814	1759	707.018
11	3	55.9	12	1460	1539	468.609

Type 5 Radar Waveform_13

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	54.3	18	1985		572.133
2	3	57.6	18	1423	1278	392.751
3	1	88.3	18			250.552
4	2	88.1	18	1665		419.513
5	3	85.7	18	1218	1933	348.474
6	1	88.8	18			545.045
7	2	53.8	18	1649		434.926
8	3	89.3	18	1516	1865	381.477
9	2	70.8	18	1633		153.678
10	3	89.9	18	1337	1342	215.399
11	1	69.7	18			545.301
12	3	94.2	18	1044	1023	563.592
13	3	70.2	18	1584	1526	292.593
14	1	55.1	18			551.664
15	2	70.8	18	1165		103.835
16	2	57.1	18	1798		429.346
17	3	95.9	18	1656	1223	167.737
18	2	90.8	18	1059		566.458
19	1	93.5	18			60.179

Type 5 Radar Waveform_14

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	94.1	10	1122		163.717
2	3	84.3	10	1326	1631	375.21
3	3	95.5	10	1419	1521	32.15
4	3	78	10	1058	1104	468.24
5	2	83.8	10	1392		716.61
6	2	85	10	1563		728.71
7	2	74.9	10	1854		543.58
8	2	63.6	10	1502		689.34
9	3	99.3	10	1430	1326	617.1
10	2	84.9	10	1460		657.04
11	3	71.2	10	1620	1150	71.76
12	3	72.1	10	1735	1451	253.59
13	1	64	10			526.24
14	2	97.6	10	1594		473
15	3	74.1	10	1767	1300	160.2
16	2	81.3	10	1212		399.4

Type 5 Radar Waveform_15

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	1	85.1	15			791.891
2	1	76	15			688.391
3	2	71.7	15	1941		520.622
4	1	93.4	15			334.833
5	2	77.7	15	1519		766.944
6	1	57.7	15			911.615
7	2	71.9	15	1960		267.475
8	2	58	15	1430		933.596
9	2	80.1	15	1239		528.317
10	1	57.8	15			496.918
11	1	96.6	15			269.709

Type 5 Radar Waveform_16

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	3	94.7	11	1923	1444	148.164
2	1	60.6	11			115.941
3	2	90.7	11	1455		897.332
4	2	55.7	11	1990		988.993
5	1	72.7	11			4.054
6	3	66.3	11	1917	1894	45.735
7	2	54.5	11	1919		139.365
8	1	75.7	11			944.736
9	3	88.7	11	1873	1196	21.787
10	2	65.3	11	1119		350.318
11	2	100	11	1432		575.309

Type 5 Radar Waveform_17

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	1	77.1	5			806.275
2	2	87.1	5	1628		950.531
3	1	89.9	5			1023.542
4	1	72.5	5			77.633
5	3	98.4	5	1845	1899	1066.424
6	2	71.1	5	1345		941.785
7	2	76.4	5	1976		930.795
8	3	87.7	5	1098	1016	417.486
9	1	69.4	5			954.577
10	3	64.3	5	1490	1914	277.418
11	2	67.4	5	1788		452.109

Type 5 Radar Waveform_18

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	91.7	13	1185		429.156
2	3	96.2	13	1176	1121	282.247
3	3	95.4	13	1733	1664	1295.093
4	1	71.5	13			1084.48
5	2	87.9	13	1253		221.157
6	2	82	13	1547		436.503
7	2	69.8	13	1709		1133.43
8	3	79.2	13	1095	1966	26.377
9	2	78.9	13	1605		964.733

Type 5 Radar Waveform_19

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	3	73.6	5	1450	1334	894.832
2	1	84	5			767.543
3	3	62.8	5	1296	1355	222.206
4	2	78.7	5	1766		504.519
5	1	97.1	5			585.772
6	2	81.6	5	1354		373.015
7	1	73.7	5			322.698
8	1	50.7	5			367.602
9	2	99.1	5	1535		21.755
10	3	57.6	5	1399	1961	613.848
11	2	73.2	5	1615		343.021
12	3	54.5	5	1969	1718	912.254
13	1	59.7	5			622.477

Type 5 Radar Waveform_20

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	72.5	7	1400		426.86
2	3	58.8	7	1239	1133	566.733
3	2	95.5	7	1204		206.686
4	2	59.8	7	1543		724.219
5	2	63.3	7	1043		133.222
6	1	96.6	7			780.705
7	3	78.1	7	1743	1595	665.798
8	2	51.7	7	1865		274.642
9	2	90.6	7	1979		187.505
10	1	96.7	7			392.118
11	1	70.6	7			513.101
12	3	59.1	7	1261	1628	399.654
13	3	74.3	7	1841	1953	740.477

Type 5 Radar Waveform_21

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	51.1	13	1587		241.975
2	2	54.8	13	1988		854.6
3	2	93.4	13	1448		284.04
4	2	84.8	13	1689		425.17
5	2	94.2	13	1076		475.35
6	2	59.7	13	1262		369.18
7	2	75.8	13	1835		414.73
8	2	73.4	13	1831		16.14
9	3	62.3	13	1417	1067	390.2
10	2	97	13	1946		739.35
11	3	99.2	13	1079	1617	877
12	1	94.2	13			976.9

Type 5 Radar Waveform_22

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	1	76.7	20			526.596
2	2	52.6	20	1644		118.377
3	2	51.3	20	1269		873.503
4	1	96.3	20			173.71
5	1	91.9	20			464.957
6	2	76.1	20	1140		983.393
7	3	81.5	20	1383	1478	297.76
8	2	76.5	20	1095		1133.267
9	1	66	20			482.433

Type 5 Radar Waveform_23

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	62.6	17	1598		461.39
2	1	84.1	17			668.717
3	2	76.9	17	1944		570.624
4	2	69.3	17	1143		325.621
5	2	87.1	17	1536		608.519
6	2	58.1	17	1340		527.446
7	3	80.7	17	1593	1138	515.123
8	2	61	17	1456		168.93
9	1	92	17			320.537
10	2	65	17	1652		135.404
11	2	58.4	17	1325		614.141
12	1	97.7	17			438.159
13	2	95.4	17	1939		121.486
14	2	79.8	17	1639		452.743

Type 5 Radar Waveform_24

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	3	95.4	19	1349	1524	271.005
2	2	84.4	19	1227		94.889
3	3	51.2	19	1784	1987	69.945
4	2	52.5	19	1707		215.313
5	2	63.8	19	1379		296.811
6	2	83.7	19	1281		551.878
7	2	79.4	19	1893		652.686
8	2	50.7	19	1854		56.694
9	1	96.1	19			148.541
10	2	81.8	19	1471		665.279
11	3	71	19	1131	1585	519.746
12	3	68.7	19	1789	1006	182.094
13	2	64.5	19	1665		178.292
14	3	60.2	19	1657	1759	572.089
15	2	69.1	19	1888		658.347
16	1	84.6	19			216.165
17	2	73.6	19	1191		307.582

Type 5 Radar Waveform_25

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	1	77	18			322.438
2	3	88.5	18	1403	1893	394.298
3	1	85.9	18			7.35
4	3	50.2	18	1978	1760	135.7
5	2	78.1	18	1054		438.46
6	2	66.1	18	1962		210.08
7	3	97.8	18	1903	1346	114.02
8	3	69.5	18	1770	1722	146.02
9	3	87.9	18	1236	1561	510.38
10	3	81.2	18	1211	1808	540.2
11	3	90.1	18	1506	1894	145.39
12	3	55.8	18	1876	1278	372.47
13	1	76.7	18			314.85
14	2	72.6	18	1797		553.58
15	2	66	18	1820		405.7
16	2	99.5	18	1240		193.41
17	2	53.4	18	1130		498.5
18	2	89.5	18	1358		517.1
19	1	69.8	18			463.1
20	1	57.4	18			553

Type 5 Radar Waveform_26

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	3	95.6	5	1990	1858	611.374
2	1	89.7	5			887.54
3	1	51.4	5			35.33
4	1	95.3	5			667.17
5	3	91.1	5	1550	1099	424.36
6	2	61.2	5	1270		207.47
7	3	56.4	5	1546	1894	26.43
8	2	86.9	5	1828		521.99
9	1	83.5	5			496.15
10	3	81.7	5	1874	1473	649.81
11	3	58	5	1226	1981	913.9
12	3	69.5	5	1701	1995	970

Type 5 Radar Waveform_27

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	76.9	8	1989		615.067
2	3	93.8	8	1418	1804	244.32
3	1	50.7	8			284.125
4	3	52.1	8	1996	1548	284.153
5	2	72.6	8	1515		90.411
6	2	86.3	8	1318		490.328
7	2	96.8	8	1788		488.456
8	2	60.2	8	1034		477.164
9	2	62	8	1752		15.521
10	1	73.3	8			96.749
11	3	87.3	8	1169	1181	260.486
12	2	82.7	8	1061		385.854
13	1	86.1	8			12.892
14	2	59.8	8	1487		217.989
15	3	66.1	8	1737	1147	425.047
16	2	60.5	8	1215		648.965
17	1	58.6	8			67.982

Type 5 Radar Waveform_28

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	69.5	15	1061		65.833
2	2	80.8	15	1954		674.043
3	3	75	15	1185	1797	795.206
4	2	77.1	15	1585		371.129
5	1	85.9	15			429.292
6	2	70.6	15	1137		417.125
7	1	58.7	15			458.368
8	2	77.4	15	1138		233.602
9	2	61.2	15	1826		466.625
10	2	80.3	15	1133		771.278
11	1	75.7	15			900.831
12	2	98.7	15	1570		95.954
13	2	95.7	15	1585		530.177

Type 5 Radar Waveform_29

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	1	50.3	6			31.74
2	3	53.7	6	1760	1023	326.589
3	2	76.4	6	1562		112.09
4	3	72.4	6	1204	1329	422.61
5	2	99.7	6	1052		159.71
6	1	50.4	6			460.29
7	2	99.4	6	1018		381.64
8	1	58.6	6			69.94
9	2	91.6	6	1442		168.12
10	1	90.5	6			277.9
11	2	79.8	6	1124		331.29
12	1	83.2	6			328.46
13	2	80.5	6	1616		352.67
14	2	77.8	6	1410		170.9
15	3	68.4	6	1844	1903	510.63
16	3	53.7	6	1354	1698	161.38
17	3	80.8	6	1566	1676	95.89
18	1	95.1	6			3
19	2	51.2	6	1467		417.5
20	2	92.9	6	1673		401.6

Type 5 Radar Waveform_30

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	3	86.5	5	1543	1794	97.134
2	2	74.8	5	1058		240.727
3	1	95.3	5			1055.013
4	2	88.3	5	1662		973.72
5	1	80.6	5			482.427
6	2	75.9	5	1079		152.833
7	3	81.3	5	1596	1855	1216.84
8	1	68.2	5			412.947
9	3	94.5	5	1406	1254	58.333

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
6	5.51	5.49	40	*
15	5.51	5.509	40	*
64	5.51	5.501	40	*
68	5.51	5.495	40	*
69	5.51	5.512	40	*
91	5.51	5.503	40	*
93	5.51	5.513	40	*

Type 6 Radar Waveform_2

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
60	5.51	5.502	40	*
69	5.51	5.499	40	*
71	5.51	5.522	40	*
77	5.51	5.496	40	*

Type 6 Radar Waveform_3

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.51	5.494	40	*
15	5.51	5.497	40	*
31	5.51	5.522	40	*
48	5.51	5.505	40	*
49	5.51	5.515	40	*
57	5.51	5.51	40	*
65	5.51	5.503	40	*
78	5.51	5.525	40	*
84	5.51	5.492	40	*
85	5.51	5.501	40	*
89	5.51	5.52	40	*
95	5.51	5.498	40	*

Type 6 Radar Waveform_4

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
12	5.51	5.527	40	*
17	5.51	5.514	40	*
32	5.51	5.502	40	*
38	5.51	5.524	40	*
45	5.51	5.496	40	*
57	5.51	5.505	40	*
58	5.51	5.53	40	*
63	5.51	5.503	40	*
82	5.51	5.515	40	*
88	5.51	5.522	40	*

Type 6 Radar Waveform_5

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.51	5.493	40	*
32	5.51	5.499	40	*
35	5.51	5.497	40	*
36	5.51	5.494	40	*
46	5.51	5.527	40	*
58	5.51	5.515	40	*
76	5.51	5.522	40	*
95	5.51	5.503	40	*

Type 6 Radar Waveform_6

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.51	5.497	40	*
5	5.51	5.492	40	*
16	5.51	5.518	40	*
17	5.51	5.49	40	*
42	5.51	5.503	40	*
45	5.51	5.525	40	*
47	5.51	5.514	40	*
52	5.51	5.513	40	*
81	5.51	5.511	40	*

Type 6 Radar Waveform_7

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.51	5.493	40	*
4	5.51	5.514	40	*
30	5.51	5.501	40	*
54	5.51	5.492	40	*
56	5.51	5.529	40	*
60	5.51	5.523	40	*

Type 6 Radar Waveform_8

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.51	5.522	40	*
52	5.51	5.504	40	*
58	5.51	5.507	40	*
77	5.51	5.514	40	*
78	5.51	5.494	40	*
81	5.51	5.501	40	*
88	5.51	5.512	40	*
91	5.51	5.498	40	*
99	5.51	5.519	40	*
100	5.51	5.516	40	*

Type 6 Radar Waveform_9

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.51	5.507	40	*
15	5.51	5.499	40	*
32	5.51	5.504	40	*
37	5.51	5.505	40	*
43	5.51	5.513	40	*
52	5.51	5.494	40	*
53	5.51	5.491	40	*
57	5.51	5.524	40	*
60	5.51	5.515	40	*
63	5.51	5.51	40	*
82	5.51	5.496	40	*
95	5.51	5.512	40	*

Type 6 Radar Waveform_10

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.51	5.507	40	*
32	5.51	5.502	40	*
40	5.51	5.505	40	*
43	5.51	5.525	40	*
52	5.51	5.522	40	*
55	5.51	5.515	40	*
62	5.51	5.508	40	*
69	5.51	5.509	40	*
70	5.51	5.503	40	*
71	5.51	5.51	40	*
75	5.51	5.528	40	*
78	5.51	5.516	40	*
80	5.51	5.506	40	*
92	5.51	5.494	40	*
97	5.51	5.524	40	*

Type 6 Radar Waveform_11

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
19	5.51	5.509	40	*
25	5.51	5.497	40	*
34	5.51	5.511	40	*
36	5.51	5.494	40	*
41	5.51	5.514	40	*
55	5.51	5.517	40	*
60	5.51	5.529	40	*
74	5.51	5.501	40	*
77	5.51	5.513	40	*
82	5.51	5.508	40	*

Type 6 Radar Waveform_12

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
10	5.51	5.511	40	*
46	5.51	5.523	40	*
54	5.51	5.522	40	*
87	5.51	5.496	40	*
95	5.51	5.497	40	*
98	5.51	5.527	40	*

Type 6 Radar Waveform_13

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
20	5.51	5.514	40	*
31	5.51	5.491	40	*
37	5.51	5.527	40	*
46	5.51	5.509	40	*
81	5.51	5.517	40	*
91	5.51	5.524	40	*
92	5.51	5.53	40	*
95	5.51	5.508	40	*

Type 6 Radar Waveform_14

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
14	5.51	5.518	40	*
19	5.51	5.525	40	*
39	5.51	5.516	40	*
50	5.51	5.51	40	*
60	5.51	5.494	40	*
73	5.51	5.5	40	*
77	5.51	5.513	40	*
84	5.51	5.515	40	*
90	5.51	5.495	40	*
92	5.51	5.512	40	*

Type 6 Radar Waveform_15

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
12	5.51	5.516	40	*
14	5.51	5.493	40	*
43	5.51	5.496	40	*
85	5.51	5.517	40	*
94	5.51	5.521	40	*
100	5.51	5.49	40	*

Type 6 Radar Waveform_16

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.51	5.497	40	*
30	5.51	5.51	40	*
32	5.51	5.527	40	*
34	5.51	5.517	40	*
40	5.51	5.53	40	*
49	5.51	5.502	40	*
50	5.51	5.501	40	*
55	5.51	5.506	40	*
57	5.51	5.522	40	*
59	5.51	5.523	40	*
69	5.51	5.493	40	*
78	5.51	5.495	40	*
94	5.51	5.524	40	*
98	5.51	5.512	40	*

Type 6 Radar Waveform_17

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.51	5.505	40	*
19	5.51	5.498	40	*
20	5.51	5.52	40	*
27	5.51	5.527	40	*
28	5.51	5.506	40	*
29	5.51	5.513	40	*
30	5.51	5.509	40	*
31	5.51	5.503	40	*
39	5.51	5.497	40	*
41	5.51	5.522	40	*
79	5.51	5.504	40	*
90	5.51	5.519	40	*
97	5.51	5.511	40	*

Type 6 Radar Waveform_18

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.51	5.491	40	*
36	5.51	5.512	40	*
42	5.51	5.5	40	*
54	5.51	5.49	40	*
73	5.51	5.495	40	*
75	5.51	5.499	40	*

Type 6 Radar Waveform_19

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.51	5.526	40	*
22	5.51	5.494	40	*
32	5.51	5.495	40	*
33	5.51	5.52	40	*
56	5.51	5.512	40	*
59	5.51	5.514	40	*
74	5.51	5.508	40	*
83	5.51	5.499	40	*
97	5.51	5.519	40	*

Type 6 Radar Waveform_20

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
22	5.51	5.514	40	*
25	5.51	5.529	40	*
47	5.51	5.521	40	*
52	5.51	5.491	40	*
71	5.51	5.522	40	*
82	5.51	5.509	40	*
89	5.51	5.503	40	*

Type 6 Radar Waveform_21

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.51	5.517	40	*
17	5.51	5.524	40	*
20	5.51	5.5	40	*
25	5.51	5.497	40	*
32	5.51	5.526	40	*
37	5.51	5.499	40	*
46	5.51	5.491	40	*
72	5.51	5.53	40	*
91	5.51	5.505	40	*
92	5.51	5.496	40	*
96	5.51	5.514	40	*

Type 6 Radar Waveform_22

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
15	5.51	5.524	40	*
18	5.51	5.492	40	*
32	5.51	5.49	40	*
35	5.51	5.512	40	*
38	5.51	5.53	40	*
49	5.51	5.515	40	*
53	5.51	5.493	40	*
81	5.51	5.498	40	*
82	5.51	5.514	40	*
90	5.51	5.522	40	*
92	5.51	5.502	40	*

Type 6 Radar Waveform_23

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
16	5.51	5.513	40	*
38	5.51	5.495	40	*
45	5.51	5.53	40	*
49	5.51	5.497	40	*
76	5.51	5.514	40	*
79	5.51	5.517	40	*
86	5.51	5.527	40	*

Type 6 Radar Waveform_24

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
28	5.51	5.514	40	*
42	5.51	5.525	40	*
49	5.51	5.504	40	*
50	5.51	5.49	40	*
61	5.51	5.516	40	*
64	5.51	5.508	40	*
69	5.51	5.507	40	*
73	5.51	5.524	40	*
82	5.51	5.493	40	*
83	5.51	5.529	40	*
85	5.51	5.521	40	*
86	5.51	5.519	40	*
99	5.51	5.517	40	*

Type 6 Radar Waveform_25

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.51	5.526	40	*
21	5.51	5.494	40	*
32	5.51	5.499	40	*
38	5.51	5.524	40	*
43	5.51	5.505	40	*
59	5.51	5.511	40	*
68	5.51	5.506	40	*
81	5.51	5.509	40	*
84	5.51	5.503	40	*
89	5.51	5.504	40	*

Type 6 Radar Waveform_26

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.51	5.499	40	*
13	5.51	5.521	40	*
18	5.51	5.511	40	*
28	5.51	5.493	40	*
62	5.51	5.52	40	*
65	5.51	5.494	40	*
66	5.51	5.505	40	*
73	5.51	5.529	40	*

Type 6 Radar Waveform_27

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.51	5.497	40	*
21	5.51	5.516	40	*
29	5.51	5.493	40	*
44	5.51	5.513	40	*
53	5.51	5.508	40	*
59	5.51	5.524	40	*
69	5.51	5.518	40	*
71	5.51	5.523	40	*
72	5.51	5.503	40	*

Type 6 Radar Waveform_28

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
10	5.51	5.495	40	*
35	5.51	5.492	40	*
51	5.51	5.505	40	*
58	5.51	5.509	40	*
70	5.51	5.523	40	*
89	5.51	5.527	40	*
98	5.51	5.507	40	*

Type 6 Radar Waveform_29

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.51	5.515	40	*
6	5.51	5.514	40	*
14	5.51	5.526	40	*
23	5.51	5.505	40	*
34	5.51	5.499	40	*
38	5.51	5.497	40	*
39	5.51	5.491	40	*
54	5.51	5.52	40	*
88	5.51	5.498	40	*
92	5.51	5.521	40	*
93	5.51	5.507	40	*

Type 6 Radar Waveform_30

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.51	5.492	40	*
6	5.51	5.515	40	*
13	5.51	5.528	40	*
20	5.51	5.525	40	*
24	5.51	5.53	40	*
41	5.51	5.491	40	*
70	5.51	5.514	40	*
79	5.51	5.513	40	*
80	5.51	5.522	40	*
81	5.51	5.512	40	*
82	5.51	5.495	40	*
86	5.51	5.51	40	*

Test Site	WZ-SR5	Test Engineer	Jake Lan
Test Date	2022/06/13		
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	5500	1	638	83	1
2	5537	1	698	76	1
3	5490	1	538	98	1
4	5555	1	638	83	1
5	5508	1	918	58	1
6	5497	1	818	65	1
7	5501	1	618	86	1
8	5552	1	738	72	1
9	5499	1	878	61	1
10	5542	1	718	74	1
11	5534	1	858	62	1
12	5564	1	878	61	1
13	5561	1	578	92	1
14	5555	1	938	57	1
15	5514	1	938	57	1
16	5530	1	918	58	1
17	5526	1	658	81	1
18	5560	1	518	102	1
19	5537	1	938	57	1
20	5524	1	658	81	1
21	5527	1	538	98	1
22	5559	1	818	65	1
23	5514	1	818	65	1
24	5564	1	638	83	1
25	5546	1	558	95	1
26	5562	1	798	67	1

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
27	5499	1	578	92	1
28	5553	1	698	76	1
29	5491	1	658	81	1
30	5570	1	698	76	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	5530	4.3	193	27	1
2	5505	2.3	164	24	1
3	5564	3.3	229	26	0
4	5528	4.6	214	27	1
5	5506	4.7	153	27	1
6	5530	4.8	216	25	1
7	5519	1.9	184	29	0
8	5551	1.6	224	29	1
9	5507	1.3	201	26	1
10	5505	1.2	157	26	1
11	5495	3.6	212	25	0
12	5535	1.5	164	25	1
13	5522	4.1	174	24	1
14	5546	4.8	198	28	1
15	5521	3.9	214	28	1
16	5520	2.1	190	25	0
17	5570	5	200	28	0
18	5507	3.1	185	28	1
19	5513	1.3	164	24	1
20	5527	4.3	165	25	1
21	5521	3.7	201	29	1
22	5519	3.8	152	25	1
23	5545	2.1	221	28	1
24	5528	4.9	225	29	0
25	5543	1.1	157	27	1
26	5554	2.4	208	29	0
27	5490	1.5	169	24	1
28	5563	2.3	180	28	1
29	5561	5	205	25	1
30	5539	2.6	196	24	1
Detection Percentage (%)					76.7%

Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5515	8.8	229	18	1
2	5521	10	248	18	1
3	5548	8.6	446	18	1
4	5507	9.8	493	16	1
5	5536	9.6	486	16	1
6	5551	9.6	423	17	1
7	5498	7.9	469	17	1
8	5560	8.3	225	16	1
9	5542	8.9	225	17	1
10	5516	8.1	405	16	1
11	5510	6.2	379	16	0
12	5501	9.6	252	16	1
13	5565	9.5	386	18	1
14	5492	7.7	277	17	1
15	5542	8.5	213	17	1
16	5530	6.3	404	17	0
17	5510	8.3	493	17	0
18	5521	8.6	202	17	1
19	5495	9.3	314	17	1
20	5523	8.9	251	17	1
21	5553	6.4	465	16	1
22	5514	7	365	18	1
23	5539	6.9	470	17	1
24	5493	8.7	276	16	0
25	5570	9.1	396	16	0
26	5522	7.3	456	18	1
27	5563	9.9	363	17	0
28	5537	8.3	225	18	1
29	5544	9.3	449	18	1
30	5490	6.4	474	18	0
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	5550	19.8	287	14	0
2	5555	12.9	245	12	1
3	5564	11	451	14	0
4	5544	14.2	350	15	1
5	5570	18.4	413	15	0
6	5539	18.4	232	13	1
7	5530	20	238	15	1
8	5521	16	469	14	1
9	5505	12.8	471	16	0
10	5535	18.9	393	14	1
11	5504	19	233	16	1
12	5496	12	232	13	1
13	5554	16.4	403	14	1
14	5516	11	457	16	1
15	5518	17.2	480	16	1
16	5510	12.9	490	13	0
17	5560	11.7	437	15	0
18	5518	17.4	239	12	0
19	5535	18.4	364	14	1
20	5535	18.9	277	15	1
21	5568	16.3	240	15	1
22	5543	13.1	369	15	1
23	5534	11.9	420	13	1
24	5497	18.1	264	13	0
25	5524	14.2	312	13	1
26	5516	18.6	364	13	0
27	5569	14.2	240	16	1
28	5507	12.6	333	15	1
29	5490	20	246	13	0
30	5506	14.8	487	14	1
Detection Percentage (%)					66.7%

Note: In addition, an average minimum percentage of successful detection across all four Short pulse radar test waveforms is as follows: $\frac{P_d1+P_d2+P_d3+P_d4}{4}$ = (100.0%+76.7%+76.7%+66.7%)/4 = 80.0% (>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	5530.0	1	16	5495.6	1
2	5530.0	1	17	5492.0	1
3	5530.0	1	18	5493.2	1
4	5530.0	1	19	5496.0	1
5	5530.0	1	20	5497.2	1
6	5530.0	1	21	5568.0	1
7	5530.0	1	22	5566.8	1
8	5530.0	1	23	5567.2	1
9	5530.0	1	24	5566.8	1
10	5530.0	0	25	5567.2	1
11	5494.8	1	26	5564.0	1
12	5492.4	1	27	5562.8	1
13	5494.0	1	28	5562.0	1
14	5495.6	1	29	5566.4	1
15	5495.6	1	30	5566.0	1
Detection Percentage (%)					96.7%

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	74.3	13	1770		866.147
2	1	84.9	13			928.75
3	3	51.4	13	1566	1715	467.75
4	2	56.2	13	1292		829.37
5	3	86.5	13	1959	1262	903.6
6	3	61	13	1055	1742	1104.51
7	3	95.6	13	1667	1679	942.89
8	1	87.2	13			198.81
9	3	72.9	13	1984	1810	334.88
10	1	94.3	13			497.5

Type 5 Radar Waveform_2

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	82.6	18	1379		536.491
2	3	78.4	18	1189	1095	294.026
3	2	69.7	18	1281		208.977
4	2	87.5	18	1731		516.35
5	2	54.3	18	1254		356.833
6	3	59.4	18	1379	1144	8.877
7	3	95	18	1868	1778	453.96
8	2	69.4	18	1656		296.153
9	2	50.6	18	1454		621.077
10	2	66.5	18	1671		53.37
11	3	76.1	18	1349	1948	192.183
12	2	95.6	18	1522		270.817
13	1	75	18			475.08
14	3	54.7	18	1048	1742	600.073
15	3	88.8	18	1249	1291	562.377
16	1	67.4	18			59.9
17	3	66.6	18	1533	1761	94.333
18	1	91.5	18			100.767

Type 5 Radar Waveform_3

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	56.3	6	1896		330.365
2	2	99.7	6	1239		331.27
3	2	56.4	6	1957		594.53
4	2	60.4	6	1271		481.71
5	2	85.1	6	1076		671.39
6	1	69.2	6			497.74
7	2	72.2	6	1106		38.86
8	3	85.7	6	1060	1905	464.02
9	2	86	6	1999		265.29
10	3	69.3	6	1092	1773	374.59
11	2	95	6	1725		23.6
12	2	72.6	6	1181		616.6
13	3	95.8	6	1356	1558	228.84
14	1	89.6	6			112.9
15	1	66.2	6			548.7

Type 5 Radar Waveform_4

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	1	62.6	7			115.81
2	2	80.6	7	1773		391.11
3	3	63.7	7	1710	1802	764.08
4	1	71.1	7			562.17
5	3	86.7	7	1512	1539	506.67
6	2	55.8	7	1580		511.64
7	2	76.6	7	1316		229.11
8	1	89.2	7			93.27
9	1	72.3	7			528.01
10	1	57	7			389.78
11	1	60.4	7			8.39
12	2	70.5	7	1554		168.65
13	1	84.6	7			82.82
14	2	64.7	7	1201		385.6
15	2	96.7	7	1110		381.4

Type 5 Radar Waveform_5

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	3	78.4	15	1407	1220	622.022
2	1	87.4	15			209.792
3	2	55.3	15	1475		619.192
4	1	77.1	15			569.053
5	2	54	15	1512		440.164
6	2	60	15	1830		20.825
7	2	74.8	15	1083		444.966
8	3	53.8	15	1847	1629	508.407
9	3	60.6	15	1652	1475	81.098
10	1	90.2	15			529.219
11	2	63.2	15	1430		272.831
12	2	88.8	15	1651		523.262
13	3	87.7	15	1317	1274	444.803
14	3	96.9	15	1776	1873	305.534
15	2	54	15	1218		11.045
16	3	68.9	15	1187	1240	506.296
17	3	60.1	15	1283	1664	348.937
18	1	52.5	15			71.758
19	1	69.3	15			405.279

Type 5 Radar Waveform_6

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	91.4	13	1624		900.946
2	1	94.2	13			595.97
3	2	86	13	1802		1082.29
4	3	60.2	13	1256	1006	1448.72
5	3	83.2	13	1898	1310	388.33
6	2	70.3	13	1956		424.22
7	2	52.3	13	1722		682.31
8	3	71.4	13	1572	1826	809.5

Type 5 Radar Waveform_7

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	1	79.3	19			680.427
2	1	94.2	19			483.25
3	2	61.9	19	1272		717.06
4	2	55	19	1066		692.78
5	3	65.9	19	1857	1361	323.15
6	3	95.9	19	1814	1873	542.01
7	3	62.5	19	1138	1196	615.46
8	2	73.5	19	1933		358.72
9	1	72.9	19			252.02
10	3	63.4	19	1774	1214	21.89
11	1	62.9	19			494.05
12	1	93	19			101.12
13	2	50	19	1110		151.12
14	1	68	19			146.53
15	2	90.2	19	1596		725.9
16	2	67.4	19	1902		404.8

Type 5 Radar Waveform_8

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μ sec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	1	71.8	14			1028.39
2	1	94.7	14			189.261
3	2	93.5	14	1637		92.402
4	1	50.4	14			940.073
5	1	95.1	14			254.854
6	2	72.1	14	1501		392.305
7	2	91.3	14	1209		298.935
8	3	94.8	14	1212	1592	27.346
9	2	76.9	14	1132		403.937
10	1	55.5	14			314.918
11	2	51.7	14	1633		564.909

Type 5 Radar Waveform_9

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	50.6	15	1966		898.497
2	2	96	15	1165		1015.281
3	2	80.4	15	1830		17.622
4	3	79.7	15	1836	1881	443.333
5	1	57.3	15			1058.604
6	2	78.3	15	1064		324.765
7	2	78.7	15	1590		799.075
8	2	94.6	15	1347		249.216
9	1	76.7	15			478.477
10	1	64.9	15			479.018
11	3	98.9	15	1776	1352	205.309

Type 5 Radar Waveform_10

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	1	77	15			450.874
2	1	82.5	15			1193.447
3	2	91.4	15	1595		977.963
4	1	50.8	15			31.01
5	2	70.3	15	1687		1262.767
6	1	55.3	15			897.203
7	2	76.8	15	1698		1120.59
8	2	60.2	15	1484		1031.267
9	2	67.2	15	1088		1074.833

Type 5 Radar Waveform_11

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	1	72.5	12			880.56
2	1	62.2	12			1082.19
3	2	73.3	12	1362		326.23
4	2	71.3	12	1189		799.16
5	2	67.7	12	1963		865.5
6	1	86.6	12			541.41
7	1	63.1	12			463.04
8	2	86.1	12	1733		775.66
9	2	90.3	12	1788		668.2
10	3	50.8	12	1222	1432	624.2

Type 5 Radar Waveform_12

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	73.1	6	1702		369.666
2	2	85.6	6	1373		277.428
3	2	53.2	6	1202		95.402
4	1	81.6	6			127.843
5	2	52.2	6	1678		19.814
6	2	50.1	6	1064		193.025
7	3	84.2	6	1733	1447	373.776
8	1	83.6	6			64.027
9	2	80.8	6	1235		467.938
10	2	73.8	6	1222		465.099
11	1	93.4	6			94.871
12	2	71.8	6	1323		101.982
13	3	91.4	6	1992	1282	306.353
14	2	63.5	6	1582		462.784
15	2	59.5	6	1507		206.445
16	1	87.8	6			246.546
17	3	78.4	6	1544	1793	108.537
18	2	74.8	6	1556		402.858
19	3	79.7	6	1840	1780	170.479

Type 5 Radar Waveform_13

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	85.5	10	1251		671.405
2	2	86.1	10	1562		527.12
3	1	76.9	10			379.22
4	3	94	10	1769	1155	361.38
5	2	65.8	10	1603		713.11
6	1	70.1	10			208.95
7	2	80	10	1494		644.27
8	2	93.1	10	1252		442.15
9	3	73	10	2000	1351	390.77
10	3	83.2	10	1974	1981	452.65
11	3	82.4	10	1631	1605	685.48
12	2	81.3	10	1476		519.47
13	2	62.2	10	1245		532.6
14	1	53.2	10			180.8
15	3	99.8	10	1955	1623	673.9

Type 5 Radar Waveform_14

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	1	73.7	14			442.242
2	2	97	14	1007		292.927
3	2	80.5	14	1956		103.294
4	3	96.3	14	1693	1069	61.181
5	2	78.6	14	1271		481.189
6	2	79.3	14	1967		639.696
7	1	81.9	14			706.453
8	2	59.8	14	1930		575.39
9	1	75.9	14			686.897
10	1	72.5	14			681.704
11	2	64	14	1442		596.041
12	2	62.5	14	1934		511.669
13	3	51.1	14	1789	1486	222.886
14	3	89.5	14	1294	1466	753.743

Type 5 Radar Waveform_15

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	1	66.4	14			708.149
2	3	64.1	14	1428	1511	40.01
3	2	56.1	14	1370		440.274
4	2	90.3	14	1905		812.321
5	1	69	14			121.429
6	3	72.2	14	1877	1624	172.656
7	2	58.2	14	1140		680.313
8	3	90	14	1093	1138	41.75
9	2	60.9	14	1655		786.627
10	3	54.3	14	1366	1862	669.544
11	2	71.3	14	1056		831.761
12	2	98.2	14	1882		527.659
13	3	62.3	14	1595	1857	115.686
14	2	89.6	14	1761		62.343

Type 5 Radar Waveform_16

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	84.7	14	1634		1299.66
2	3	82.1	14	1991	1152	154.81
3	3	54.2	14	1153	1084	133.58
4	1	51.2	14			688.6
5	2	78.1	14	1254		601.79
6	3	94.6	14	1887	1465	570.8
7	2	66.7	14	1939		1258.4
8	3	83.8	14	1220	1148	242.3

Type 5 Radar Waveform_17

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	82	5	1543		251.369
2	2	76	5	1571		33.782
3	1	63.5	5			728.4
4	3	56.7	5	1815	1658	60.91
5	2	76.4	5	1186		207.08
6	2	84.2	5	1363		573.95
7	1	92.6	5			341.89
8	2	90.8	5	1700		159.61
9	3	96	5	1765	1609	389.16
10	1	78.1	5			256.44
11	2	52	5	1448		176.92
12	2	69.6	5	1766		253.48
13	1	50.2	5			167.53
14	1	67	5			463.6
15	2	98.4	5	1493		649.3
16	3	60.8	5	1670	1006	622.8

Type 5 Radar Waveform_18

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	1	88	8			397.222
2	3	83.6	8	1933	1306	658.863
3	1	88.4	8			875.646
4	2	76.4	8	1007		751.749
5	3	89.5	8	1337	1386	579.252
6	1	87.1	8			236.065
7	2	94.9	8	1453		690.738
8	1	89	8			540.782
9	2	72.4	8	1038		561.605
10	2	94.9	8	1328		861.008
11	2	54.6	8	1799		388.741
12	2	75.9	8	1292		808.554
13	3	99.6	8	1310	1304	797.977

Type 5 Radar Waveform_19

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	3	76.7	15	1833	1604	514.279
2	3	93.3	15	1150	1459	510.118
3	1	57.5	15			193.625
4	1	78.7	15			147.583
5	3	78.2	15	1116	1536	527.391
6	3	87	15	1371	1327	464.828
7	3	99.1	15	1265	1325	511.636
8	2	80.6	15	1289		33.184
9	2	63.9	15	1404		18.731
10	2	78.7	15	1436		518.839
11	2	57	15	1659		161.576
12	1	55.5	15			129.024
13	3	82.4	15	1221	1990	356.402
14	2	76.3	15	1294		399.469
15	3	56.9	15	1444	1959	336.847
16	2	56.2	15	1795		158.965
17	1	71.5	15			669.782

Type 5 Radar Waveform_20

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	63.8	18	1360		175.912
2	3	84.1	18	1583	1799	752.92
3	2	51.9	18	1732		1166.41
4	3	80.3	18	1101	1400	517.97
5	1	93.6	18			826.75
6	3	98.4	18	1901	1450	494.99
7	1	96.9	18			664.12
8	3	51.1	18	1604	1497	450.32
9	2	74.5	18	1674		970.4
10	2	83	18	1060		327.1

Type 5 Radar Waveform_21

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	63.3	5	1879		366.694
2	3	92.6	5	1291	1454	92.953
3	1	87.1	5			562.257
4	2	78.4	5	1039		292.96
5	3	59.5	5	1101	1843	509.543
6	2	67.9	5	1136		644.937
7	1	99	5			168.66
8	2	89.1	5	1719		37.093
9	2	98.5	5	1333		373.997
10	1	77.3	5			490.58
11	2	88.8	5	1345		104.793
12	2	81.8	5	1602		488.097
13	1	99.5	5			175.44
14	3	99.7	5	1329	1408	86.273
15	2	60.6	5	1234		230.077
16	1	87.8	5			78.6
17	3	80.9	5	1060	1635	571.933
18	2	74.4	5	1394		213.567

Type 5 Radar Waveform_22

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	3	80.9	8	1411	1957	248.004
2	3	57.9	8	1796	1420	369.023
3	1	87.3	8			296.44
4	2	75.1	8	1732		24.75
5	1	86.5	8			592.08
6	2	54.4	8	1521		422.03
7	2	90	8	1076		346.88
8	2	64.6	8	1747		245.88
9	3	69	8	1389	1240	285.79
10	3	97.2	8	1419	1625	507.39
11	2	52.4	8	1782		95.31
12	2	81.2	8	1933		308.1
13	2	79.4	8	1244		504.1
14	2	64.7	8	1078		373.11
15	2	60	8	1249		295.13
16	2	50.6	8	1236		324.54
17	2	76	8	1611		114
18	2	82	8	1794		462.5
19	2	55.9	8	1319		405.8
20	1	57.5	8			464.9

Type 5 Radar Waveform_23

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	59.8	7	1481		653.138
2	2	94.9	7	1936		605.14
3	3	59.8	7	1388	1057	256.29
4	3	64.3	7	1858	1078	487.1
5	2	72.4	7	1511		591.5
6	2	72.4	7	1787		211.42
7	1	57.3	7			738.42
8	3	89.4	7	1565	1622	211.24
9	1	51.7	7			704.46
10	3	64.9	7	1421	1257	393.2
11	2	70.6	7	1071		117.39
12	1	56.9	7			210.86
13	1	74.1	7			251.61
14	2	84.1	7	1232		182.9
15	2	79	7	1281		641.4

Type 5 Radar Waveform_24

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	99.8	8	1487		612.767
2	1	79.7	8			17.124
3	2	71.4	8	1786		288.075
4	2	59.5	8	1772		475.483
5	2	83.4	8	1421		10.851
6	1	90.4	8			667.088
7	2	65.3	8	1842		453.236
8	1	61.4	8			278.674
9	1	62.9	8			28.581
10	3	67.2	8	1445	1438	406.269
11	3	51.8	8	1835	1746	188.286
12	1	63.7	8			75.364
13	3	52.9	8	1889	1822	301.122
14	2	51	8	1012		493.719
15	2	62.2	8	1551		466.947
16	2	94.4	8	1476		17.165
17	2	90.1	8	1134		276.982

Type 5 Radar Waveform_25

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	58.9	7	1646		410.614
2	1	88.5	7			360.793
3	2	82	7	1064		113.437
4	2	75.8	7	1948		173.92
5	2	86.9	7	1141		343.013
6	2	56.3	7	1356		182.777
7	3	62.7	7	1651	1575	609.94
8	1	55.8	7			199.023
9	3	54.8	7	1768	1682	503.607
10	1	95.5	7			636.47
11	2	89.1	7	1962		587.693
12	2	99.1	7	1810		626.457
13	2	71.1	7	1834		217.47
14	1	93.9	7			438.913
15	1	89.7	7			40.457
16	2	59.1	7	1342		103.8
17	2	89.9	7	1116		492.533
18	3	94	7	1639	1391	219.067

Type 5 Radar Waveform_26

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	3	79.5	15	1956	1444	353.234
2	2	91.6	15	1975		508.521
3	2	61.7	15	1560		541.042
4	2	65.7	15	1593		329.563
5	2	78	15	1352		272.684
6	2	96	15	1840		1.985
7	1	69.5	15			36.756
8	2	54	15	1371		276.357
9	2	71.4	15	1183		357.458
10	2	94.7	15	1287		610.829
11	2	99	15	1642		275.481
12	2	75	15	1488		146.202
13	3	69.4	15	1268	1408	352.263
14	2	50.2	15	1387		356.134
15	2	75.4	15	1071		379.335
16	3	73.4	15	1161	1491	347.866
17	3	52.2	15	1663	1343	100.237
18	2	60.2	15	1141		143.158
19	1	57.2	15			129.979

Type 5 Radar Waveform_27

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	1	50	18			740.249
2	3	76.2	18	1926	1577	385.347
3	2	58.2	18	1162		617.544
4	2	76.4	18	1125		586.741
5	2	56.7	18	1859		521.129
6	3	81.5	18	1709	1199	201.116
7	2	93.9	18	1901		834.333
8	2	92.9	18	1773		561.83
9	2	83.6	18	1366		343.137
10	3	98.3	18	1495	1872	709.604
11	1	87.4	18			287.061
12	3	86.5	18	1126	1119	377.629
13	2	71.5	18	1539		358.486
14	2	73.6	18	1095		336.543

Type 5 Radar Waveform_28

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	59.5	20	1443		137.269
2	3	50.9	20	1293	1812	399.023
3	3	61.5	20	1688	1332	618.727
4	3	66	20	1438	1743	302.25
5	3	66.6	20	1914	1405	592.623
6	2	57.3	20	1473		155.957
7	2	72.8	20	1558		331.29
8	2	93.6	20	1827		228.473
9	2	93.7	20	1252		463.287
10	3	59.3	20	1615	1420	104.24
11	3	88	20	1426	1631	504.113
12	2	52.5	20	1722		628.597
13	3	89.9	20	1416	1899	248.25
14	2	68.6	20	1470		312.923
15	3	94.8	20	1415	1630	311.967
16	2	55.2	20	1662		107
17	2	79.1	20	1695		32.933
18	3	60.8	20	1768	1272	622.267

Type 5 Radar Waveform_29

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	1	56.3	9			528.775
2	1	84.8	9			608.101
3	2	87.7	9	1853		103.562
4	2	80	9	1613		349.733
5	3	82.1	9	1758	1414	3.324
6	1	59.3	9			352.425
7	2	72.3	9	1660		103.436
8	2	56.1	9	1694		321.267
9	1	51.3	9			601.608
10	2	67.2	9	1540		148.969
11	3	82.9	9	1154	1029	587.511
12	1	96.2	9			110.042
13	2	64	9	1922		394.283
14	2	62.7	9	1619		484.164
15	2	66.1	9	1775		5.175
16	3	70	9	1388	1809	97.996
17	1	60.7	9			89.037
18	2	50.4	9	1607		21.258
19	2	60.9	9	1645		252.979

Type 5 Radar Waveform_30

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	62.8	10	1485		380.254
2	2	76.7	10	1187		313.317
3	1	87.9	10			439.774
4	2	87.6	10	1975		255.051
5	2	80.9	10	1623		609.119
6	3	58.1	10	1443	1777	814.156
7	1	66.5	10			633.073
8	2	50.2	10	1560		489.73
9	2	81.7	10	1799		238.817
10	1	57.2	10			451.724
11	2	72.5	10	1525		35.481
12	3	93.3	10	1349	1062	392.769
13	3	96.9	10	1946	1628	649.286
14	1	60.8	10			397.743

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
6	5.53	5.532	80	*
18	5.53	5.53	80	*
25	5.53	5.527	80	*
38	5.53	5.569	80	*
42	5.53	5.533	80	*
53	5.53	5.549	80	*
58	5.53	5.501	80	*
59	5.53	5.508	80	*
65	5.53	5.559	80	*
88	5.53	5.512	80	*
91	5.53	5.491	80	*
93	5.53	5.5	80	*

Type 6 Radar Waveform_2

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.53	5.537	80	*
9	5.53	5.49	80	*
15	5.53	5.513	80	*
29	5.53	5.542	80	*
39	5.53	5.504	80	*
40	5.53	5.499	80	*
50	5.53	5.496	80	*
56	5.53	5.547	80	*
73	5.53	5.53	80	*
86	5.53	5.566	80	*
87	5.53	5.503	80	*
89	5.53	5.569	80	*
95	5.53	5.543	80	*
96	5.53	5.498	80	*

Type 6 Radar Waveform_3

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
12	5.53	5.505	80	*
19	5.53	5.521	80	*
26	5.53	5.525	80	*
30	5.53	5.506	80	*
38	5.53	5.552	80	*
43	5.53	5.55	80	*
46	5.53	5.557	80	*
48	5.53	5.531	80	*
52	5.53	5.565	80	*
68	5.53	5.554	80	*
70	5.53	5.562	80	*
80	5.53	5.545	80	*
81	5.53	5.499	80	*

Type 6 Radar Waveform_4

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.53	5.557	80	*
6	5.53	5.556	80	*
8	5.53	5.523	80	*
18	5.53	5.558	80	*
38	5.53	5.508	80	*
39	5.53	5.514	80	*
41	5.53	5.521	80	*
55	5.53	5.534	80	*
58	5.53	5.49	80	*
61	5.53	5.494	80	*
64	5.53	5.539	80	*
65	5.53	5.53	80	*
71	5.53	5.561	80	*
74	5.53	5.511	80	*
76	5.53	5.549	80	*
91	5.53	5.546	80	*
99	5.53	5.555	80	*

Type 6 Radar Waveform_5

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
10	5.53	5.523	80	*
12	5.53	5.54	80	*
15	5.53	5.546	80	*
16	5.53	5.49	80	*
19	5.53	5.519	80	*
26	5.53	5.52	80	*
28	5.53	5.528	80	*
30	5.53	5.493	80	*
34	5.53	5.536	80	*
39	5.53	5.548	80	*
54	5.53	5.539	80	*
58	5.53	5.498	80	*
75	5.53	5.508	80	*
82	5.53	5.535	80	*
88	5.53	5.554	80	*
93	5.53	5.525	80	*
100	5.53	5.518	80	*

Type 6 Radar Waveform_6

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
20	5.53	5.496	80	*
36	5.53	5.499	80	*
39	5.53	5.51	80	*
41	5.53	5.531	80	*
42	5.53	5.536	80	*
43	5.53	5.504	80	*
44	5.53	5.55	80	*
54	5.53	5.498	80	*
88	5.53	5.503	80	*

Type 6 Radar Waveform_7

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
7	5.53	5.552	80	*
9	5.53	5.492	80	*
11	5.53	5.566	80	*
14	5.53	5.52	80	*
15	5.53	5.546	80	*
16	5.53	5.54	80	*
26	5.53	5.557	80	*
27	5.53	5.491	80	*
30	5.53	5.504	80	*
44	5.53	5.505	80	*
50	5.53	5.563	80	*
54	5.53	5.56	80	*
55	5.53	5.556	80	*
63	5.53	5.495	80	*
66	5.53	5.509	80	*
87	5.53	5.528	80	*
88	5.53	5.541	80	*
95	5.53	5.525	80	*
96	5.53	5.498	80	*
100	5.53	5.534	80	*

Type 6 Radar Waveform_8

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.53	5.543	80	*
6	5.53	5.566	80	*
15	5.53	5.507	80	*
20	5.53	5.57	80	*
23	5.53	5.533	80	*
28	5.53	5.536	80	*
33	5.53	5.491	80	*
45	5.53	5.511	80	*
50	5.53	5.51	80	*
54	5.53	5.519	80	*
63	5.53	5.549	80	*
66	5.53	5.565	80	*
68	5.53	5.568	80	*
78	5.53	5.504	80	*
81	5.53	5.54	80	*
96	5.53	5.537	80	*

Type 6 Radar Waveform_9

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.53	5.528	80	*
10	5.53	5.564	80	*
11	5.53	5.545	80	*
15	5.53	5.554	80	*
16	5.53	5.546	80	*
19	5.53	5.569	80	*
23	5.53	5.515	80	*
26	5.53	5.568	80	*
32	5.53	5.565	80	*
33	5.53	5.551	80	*
38	5.53	5.503	80	*
41	5.53	5.497	80	*
45	5.53	5.52	80	*
50	5.53	5.523	80	*
51	5.53	5.518	80	*
53	5.53	5.517	80	*
58	5.53	5.532	80	*
59	5.53	5.553	80	*
61	5.53	5.522	80	*
69	5.53	5.544	80	*
80	5.53	5.55	80	*
100	5.53	5.519	80	*

Type 6 Radar Waveform_10

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.53	5.493	80	*
14	5.53	5.504	80	*
27	5.53	5.535	80	*
35	5.53	5.53	80	*
40	5.53	5.548	80	*
45	5.53	5.505	80	*
55	5.53	5.523	80	*
57	5.53	5.524	80	*
63	5.53	5.553	80	*
64	5.53	5.532	80	*
69	5.53	5.509	80	*
78	5.53	5.557	80	*
82	5.53	5.507	80	*
84	5.53	5.498	80	*
94	5.53	5.495	80	*
95	5.53	5.525	80	*

Type 6 Radar Waveform_11

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
18	5.53	5.522	80	*
22	5.53	5.514	80	*
26	5.53	5.502	80	*
28	5.53	5.562	80	*
36	5.53	5.499	80	*
38	5.53	5.547	80	*
39	5.53	5.563	80	*
44	5.53	5.54	80	*
48	5.53	5.569	80	*
73	5.53	5.537	80	*
74	5.53	5.515	80	*
83	5.53	5.517	80	*
86	5.53	5.5	80	*
88	5.53	5.529	80	*
100	5.53	5.526	80	*

Type 6 Radar Waveform_12

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.537	80	*
3	5.53	5.506	80	*
8	5.53	5.536	80	*
9	5.53	5.5	80	*
12	5.53	5.527	80	*
24	5.53	5.542	80	*
25	5.53	5.504	80	*
29	5.53	5.517	80	*
30	5.53	5.502	80	*
41	5.53	5.52	80	*
42	5.53	5.509	80	*
46	5.53	5.543	80	*
52	5.53	5.546	80	*
53	5.53	5.558	80	*
58	5.53	5.514	80	*
66	5.53	5.531	80	*
68	5.53	5.495	80	*
77	5.53	5.568	80	*
80	5.53	5.538	80	*
81	5.53	5.523	80	*
82	5.53	5.497	80	*
83	5.53	5.555	80	*
89	5.53	5.522	80	*

Type 6 Radar Waveform_13

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.53	5.5	80	*
5	5.53	5.503	80	*
8	5.53	5.511	80	*
9	5.53	5.504	80	*
11	5.53	5.55	80	*
13	5.53	5.518	80	*
15	5.53	5.528	80	*
21	5.53	5.536	80	*
25	5.53	5.501	80	*
31	5.53	5.492	80	*
33	5.53	5.526	80	*
40	5.53	5.505	80	*
42	5.53	5.524	80	*
43	5.53	5.556	80	*
56	5.53	5.554	80	*
57	5.53	5.522	80	*
62	5.53	5.502	80	*
70	5.53	5.521	80	*
85	5.53	5.509	80	*
88	5.53	5.508	80	*
89	5.53	5.534	80	*
90	5.53	5.51	80	*
94	5.53	5.499	80	*

Type 6 Radar Waveform_14

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.53	5.526	80	*
3	5.53	5.527	80	*
5	5.53	5.525	80	*
6	5.53	5.522	80	*
15	5.53	5.556	80	*
29	5.53	5.568	80	*
45	5.53	5.496	80	*
56	5.53	5.553	80	*
58	5.53	5.567	80	*
61	5.53	5.495	80	*
63	5.53	5.492	80	*
72	5.53	5.536	80	*
73	5.53	5.491	80	*
87	5.53	5.545	80	*
94	5.53	5.561	80	*

Type 6 Radar Waveform_15

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
10	5.53	5.566	80	*
11	5.53	5.504	80	*
21	5.53	5.518	80	*
26	5.53	5.493	80	*
27	5.53	5.564	80	*
31	5.53	5.525	80	*
34	5.53	5.551	80	*
46	5.53	5.539	80	*
63	5.53	5.5	80	*
73	5.53	5.496	80	*
76	5.53	5.56	80	*
82	5.53	5.492	80	*
84	5.53	5.528	80	*
93	5.53	5.497	80	*
96	5.53	5.545	80	*

Type 6 Radar Waveform_16

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.543	80	*
8	5.53	5.495	80	*
13	5.53	5.537	80	*
19	5.53	5.512	80	*
27	5.53	5.527	80	*
28	5.53	5.56	80	*
34	5.53	5.504	80	*
38	5.53	5.545	80	*
39	5.53	5.502	80	*
41	5.53	5.529	80	*
53	5.53	5.55	80	*
54	5.53	5.5	80	*
62	5.53	5.524	80	*
73	5.53	5.569	80	*
77	5.53	5.565	80	*
84	5.53	5.54	80	*
89	5.53	5.568	80	*
93	5.53	5.562	80	*

Type 6 Radar Waveform_17

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
20	5.53	5.496	80	*
29	5.53	5.539	80	*
30	5.53	5.557	80	*
37	5.53	5.508	80	*
49	5.53	5.523	80	*
55	5.53	5.512	80	*
66	5.53	5.569	80	*
71	5.53	5.505	80	*
84	5.53	5.493	80	*
89	5.53	5.561	80	*
93	5.53	5.519	80	*

Type 6 Radar Waveform_18

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.53	5.538	80	*
3	5.53	5.497	80	*
8	5.53	5.528	80	*
12	5.53	5.503	80	*
27	5.53	5.512	80	*
30	5.53	5.518	80	*
33	5.53	5.562	80	*
37	5.53	5.554	80	*
41	5.53	5.52	80	*
45	5.53	5.521	80	*
53	5.53	5.57	80	*
60	5.53	5.523	80	*
61	5.53	5.495	80	*
72	5.53	5.493	80	*
73	5.53	5.56	80	*
74	5.53	5.524	80	*
94	5.53	5.545	80	*
95	5.53	5.499	80	*
98	5.53	5.536	80	*

Type 6 Radar Waveform_19

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
7	5.53	5.551	80	*
8	5.53	5.519	80	*
21	5.53	5.514	80	*
27	5.53	5.527	80	*
33	5.53	5.494	80	*
42	5.53	5.55	80	*
47	5.53	5.513	80	*
49	5.53	5.533	80	*
53	5.53	5.531	80	*
56	5.53	5.542	80	*
67	5.53	5.538	80	*
68	5.53	5.561	80	*
69	5.53	5.497	80	*
78	5.53	5.518	80	*
81	5.53	5.545	80	*
82	5.53	5.549	80	*
85	5.53	5.49	80	*
89	5.53	5.569	80	*
93	5.53	5.509	80	*
94	5.53	5.552	80	*
98	5.53	5.563	80	*
99	5.53	5.564	80	*

Type 6 Radar Waveform_20

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.53	5.514	80	*
9	5.53	5.526	80	*
13	5.53	5.523	80	*
32	5.53	5.519	80	*
37	5.53	5.562	80	*
46	5.53	5.529	80	*
70	5.53	5.507	80	*
79	5.53	5.537	80	*
92	5.53	5.563	80	*
95	5.53	5.495	80	*
96	5.53	5.503	80	*

Type 6 Radar Waveform_21

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
9	5.53	5.512	80	*
10	5.53	5.563	80	*
11	5.53	5.551	80	*
23	5.53	5.518	80	*
31	5.53	5.552	80	*
34	5.53	5.548	80	*
41	5.53	5.511	80	*
48	5.53	5.516	80	*
49	5.53	5.498	80	*
50	5.53	5.55	80	*
51	5.53	5.567	80	*
52	5.53	5.526	80	*
60	5.53	5.553	80	*
69	5.53	5.503	80	*
77	5.53	5.559	80	*
80	5.53	5.54	80	*
83	5.53	5.56	80	*
87	5.53	5.556	80	*
91	5.53	5.569	80	*
98	5.53	5.554	80	*

Type 6 Radar Waveform_22

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
11	5.53	5.494	80	*
14	5.53	5.547	80	*
19	5.53	5.556	80	*
26	5.53	5.504	80	*
36	5.53	5.558	80	*
38	5.53	5.53	80	*
48	5.53	5.539	80	*
61	5.53	5.519	80	*
63	5.53	5.569	80	*
65	5.53	5.564	80	*
75	5.53	5.551	80	*
91	5.53	5.552	80	*
93	5.53	5.533	80	*
95	5.53	5.492	80	*
98	5.53	5.538	80	*

Type 6 Radar Waveform_23

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.496	80	*
3	5.53	5.566	80	*
12	5.53	5.525	80	*
15	5.53	5.523	80	*
19	5.53	5.556	80	*
31	5.53	5.529	80	*
32	5.53	5.541	80	*
47	5.53	5.504	80	*
49	5.53	5.491	80	*
62	5.53	5.506	80	*
66	5.53	5.549	80	*
71	5.53	5.547	80	*
74	5.53	5.54	80	*
81	5.53	5.538	80	*
83	5.53	5.548	80	*
90	5.53	5.553	80	*
94	5.53	5.531	80	*

Type 6 Radar Waveform_24

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.53	5.543	80	*
38	5.53	5.506	80	*
41	5.53	5.528	80	*
45	5.53	5.538	80	*
55	5.53	5.501	80	*
56	5.53	5.562	80	*
58	5.53	5.519	80	*
59	5.53	5.509	80	*
62	5.53	5.539	80	*
68	5.53	5.518	80	*
73	5.53	5.529	80	*
75	5.53	5.527	80	*
87	5.53	5.551	80	*
95	5.53	5.558	80	*
99	5.53	5.515	80	*

Type 6 Radar Waveform_25

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
9	5.53	5.501	80	*
12	5.53	5.515	80	*
15	5.53	5.566	80	*
21	5.53	5.492	80	*
36	5.53	5.552	80	*
44	5.53	5.523	80	*
58	5.53	5.5	80	*
61	5.53	5.512	80	*
62	5.53	5.535	80	*
74	5.53	5.518	80	*
89	5.53	5.554	80	*

Type 6 Radar Waveform_26

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.524	80	*
23	5.53	5.497	80	*
32	5.53	5.566	80	*
38	5.53	5.564	80	*
46	5.53	5.544	80	*
55	5.53	5.532	80	*
56	5.53	5.53	80	*
59	5.53	5.552	80	*
61	5.53	5.52	80	*
62	5.53	5.523	80	*
69	5.53	5.569	80	*
70	5.53	5.541	80	*
73	5.53	5.513	80	*
79	5.53	5.553	80	*
89	5.53	5.501	80	*
92	5.53	5.568	80	*
93	5.53	5.56	80	*
97	5.53	5.548	80	*

Type 6 Radar Waveform_27

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.53	5.551	80	*
8	5.53	5.55	80	*
24	5.53	5.556	80	*
29	5.53	5.565	80	*
30	5.53	5.562	80	*
31	5.53	5.502	80	*
35	5.53	5.522	80	*
37	5.53	5.512	80	*
39	5.53	5.501	80	*
42	5.53	5.53	80	*
44	5.53	5.543	80	*
49	5.53	5.505	80	*
55	5.53	5.513	80	*
62	5.53	5.493	80	*
77	5.53	5.568	80	*
78	5.53	5.554	80	*
88	5.53	5.506	80	*
92	5.53	5.561	80	*
93	5.53	5.541	80	*
100	5.53	5.507	80	*

Type 6 Radar Waveform_28

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.5	80	*
7	5.53	5.499	80	*
14	5.53	5.549	80	*
34	5.53	5.555	80	*
35	5.53	5.515	80	*
37	5.53	5.559	80	*
44	5.53	5.505	80	*
45	5.53	5.526	80	*
46	5.53	5.502	80	*
48	5.53	5.522	80	*
51	5.53	5.495	80	*
55	5.53	5.507	80	*
57	5.53	5.529	80	*
72	5.53	5.556	80	*
79	5.53	5.534	80	*
86	5.53	5.517	80	*
90	5.53	5.539	80	*
92	5.53	5.537	80	*
96	5.53	5.523	80	*

Type 6 Radar Waveform_29

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.53	5.547	80	*
6	5.53	5.522	80	*
7	5.53	5.53	80	*
9	5.53	5.515	80	*
14	5.53	5.568	80	*
16	5.53	5.51	80	*
35	5.53	5.495	80	*
36	5.53	5.501	80	*
39	5.53	5.524	80	*
44	5.53	5.535	80	*
47	5.53	5.549	80	*
52	5.53	5.561	80	*
67	5.53	5.521	80	*
68	5.53	5.504	80	*
71	5.53	5.512	80	*
72	5.53	5.506	80	*
82	5.53	5.52	80	*
83	5.53	5.55	80	*
86	5.53	5.502	80	*
88	5.53	5.544	80	*
95	5.53	5.542	80	*

Type 6 Radar Waveform_30

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.53	5.516	80	*
9	5.53	5.542	80	*
26	5.53	5.558	80	*
36	5.53	5.506	80	*
42	5.53	5.563	80	*
47	5.53	5.499	80	*
49	5.53	5.501	80	*
59	5.53	5.525	80	*
63	5.53	5.545	80	*
66	5.53	5.548	80	*
68	5.53	5.528	80	*
69	5.53	5.505	80	*
75	5.53	5.566	80	*
78	5.53	5.491	80	*
84	5.53	5.55	80	*
93	5.53	5.569	80	*
96	5.53	5.568	80	*
97	5.53	5.562	80	*
98	5.53	5.532	80	*

Test Site	WZ-SR5	Test Engineer	Jake Lan
Test Date	2022/06/13		
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	5302	1	738	72	1
2	5265	1	538	98	1
3	5269	1	638	83	1
4	5250	1	938	57	1
5	5316	1	598	89	1
6	5328	1	538	98	1
7	5273	1	698	76	1
8	5259	1	678	78	1
9	5262	1	558	95	1
10	5265	1	918	58	1
11	5311	1	578	92	1
12	5290	1	798	67	1
13	5260	1	678	78	1
14	5252	1	758	70	1
15	5294	1	818	65	1
16	5257	1	658	81	1
17	5309	1	538	98	1
18	5296	1	918	58	1
19	5316	1	678	78	1
20	5262	1	758	70	1
21	5306	1	718	74	1
22	5327	1	578	92	1
23	5312	1	718	74	1
24	5259	1	798	67	1
25	5316	1	898	59	1
26	5284	1	538	98	1

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
27	5258	1	658	81	1
28	5313	1	518	102	1
29	5278	1	658	81	1
30	5330	1	778	68	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	5330	3.3	190	25	0
2	5288	1.4	209	29	1
3	5253	3	174	27	1
4	5314	3.9	164	24	1
5	5319	2.7	173	26	1
6	5298	1	213	27	0
7	5290	5	189	24	1
8	5309	3.8	188	27	1
9	5260	4.7	190	25	1
10	5259	4.5	165	24	1
11	5295	1.9	178	27	0
12	5309	3.1	161	26	1
13	5261	5	169	24	1
14	5291	2.8	220	27	1
15	5325	4.6	154	24	1
16	5259	2.8	209	24	1
17	5320	3.8	230	27	0
18	5263	1	150	28	1
19	5302	1.7	180	28	1
20	5272	3.7	208	28	0
21	5302	4.9	156	23	1
22	5273	4.9	210	24	1
23	5269	3.6	195	23	1
24	5260	2	205	26	1
25	5283	2.2	206	27	1
26	5267	2.9	157	24	1
27	5320	1.7	213	28	1
28	5324	4.9	164	25	1
29	5287	1.1	160	27	0
30	5250	3.7	185	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	5290	7.3	254	16	1
2	5289	10	243	17	0
3	5307	7.2	288	17	1
4	5312	8.5	439	17	1
5	5326	9.9	316	17	1
6	5259	9.5	201	17	0
7	5294	9.2	391	16	1
8	5270	9.5	258	18	1
9	5272	8.9	457	16	1
10	5315	6.5	339	16	1
11	5282	6.3	246	16	1
12	5330	9.4	276	18	0
13	5326	8.1	409	18	1
14	5319	6.9	267	17	0
15	5317	7.2	477	18	1
16	5266	7.8	298	16	1
17	5310	9.1	206	17	1
18	5329	6.9	295	17	1
19	5314	6.8	444	18	1
20	5317	9.8	211	18	1
21	5254	8.7	493	17	1
22	5250	6.3	436	17	1
23	5286	9.9	434	17	0
24	5272	9.6	374	17	1
25	5309	8	262	16	1
26	5299	8.1	294	17	0
27	5325	6.8	435	17	1
28	5254	9.4	400	18	1
29	5311	6.1	311	17	1
30	5292	9.8	381	17	1
Detection Percentage (%)					80.0%

Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5296	17.6	413	14	1
2	5290	13.8	423	15	1
3	5309	13.3	229	15	1
4	5297	17.3	493	13	1
5	5326	15.7	361	14	0
6	5251	16.5	476	14	1
7	5280	18.6	307	12	1
8	5319	12.6	384	16	1
9	5278	13.9	431	13	0
10	5280	12.6	289	13	1
11	5250	17.8	309	15	1
12	5283	15.7	409	14	0
13	5277	14.8	397	15	1
14	5261	17.9	456	12	0
15	5254	11.2	384	12	1
16	5312	14.3	365	15	0
17	5282	15.7	331	13	1
18	5306	16.3	410	16	1
19	5291	18.3	249	13	1
20	5263	11.7	466	15	1
21	5295	14.8	256	13	0
22	5281	17.8	411	12	1
23	5271	19.8	461	15	0
24	5305	17.8	399	14	0
25	5279	19.3	284	13	0
26	5285	18.3	331	12	1
27	5293	15.6	277	14	1
28	5262	18.5	472	13	0
29	5270	14.1	454	12	0
30	5330	15.1	376	12	0
Detection Percentage (%)					60.0%

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%+80.0%+80.0%+60.0%)/4 = 80.0% (>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	5290.0	1	16	5254.0	1
2	5290.0	1	17	5257.6	1
3	5290.0	1	18	5258.0	0
4	5290.0	1	19	5254.4	1
5	5290.0	1	20	5256.8	0
6	5290.0	1	21	5326.4	1
7	5290.0	1	22	5326.4	1
8	5290.0	1	23	5323.6	0
9	5290.0	1	24	5325.6	1
10	5290.0	1	25	5326.8	1
11	5256.0	1	26	5325.6	0
12	5252.4	1	27	5324.8	1
13	5258.0	1	28	5322.0	1
14	5254.0	1	29	5322.0	1
15	5252.0	1	30	5324.8	1
Detection Percentage (%)					86.7%

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	61.5	18	1125		609.772
2	3	87.6	18	1753	1024	411.861
3	2	78.9	18	1244		151.392
4	3	78.7	18	1664	1863	129.043
5	3	87.9	18	1062	1032	201.544
6	2	79.5	18	1128		376.375
7	1	73	18			27.756
8	3	56.7	18	1681	1019	262.827
9	2	51.4	18	1481		227.438
10	3	97.2	18	1758	1994	535.959
11	2	99.2	18	1522		343.081
12	2	66.9	18	1956		214.312
13	2	54.2	18	1237		501.703
14	2	81.7	18	1431		279.274
15	3	83.5	18	1915	1887	202.185
16	2	70.8	18	1479		533.616
17	1	56.3	18			464.537
18	1	90.3	18			127.158
19	2	53.6	18	1783		439.279

Type 5 Radar Waveform_2

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	76.3	19	1289		803.86
2	1	89.1	19			454.277
3	2	74.9	19	1438		155.744
4	2	85.2	19	1465		565.981
5	3	94.2	19	1044	1458	107.669
6	1	85.7	19			494.926
7	2	82.4	19	1667		134.703
8	1	60.3	19			388.04
9	2	73.6	19	1828		527.557
10	1	61.6	19			677.894
11	2	80.6	19	1844		190.781
12	2	91.3	19	1908		333.109
13	2	98.6	19	1914		92.286
14	2	51.5	19	1628		95.843

Type 5 Radar Waveform_3

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	91.8	6	1456		683.173
2	2	56.3	6	1627		630.347
3	1	72.3	6			296.764
4	3	78.8	6	1602	1248	625.551
5	2	80.4	6	1434		54.499
6	2	57.2	6	1031		603.626
7	3	80.1	6	1814	1469	214.383
8	1	76.8	6			134.43
9	2	69.7	6	1697		692.377
10	1	83.9	6			338.284
11	3	71	6	1512	1829	132.381
12	1	60.9	6			665.529
13	2	81.2	6	1841		699.486
14	3	62.7	6	1538	1657	552.343

Type 5 Radar Waveform_4

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	72.7	18	1697		623.056
2	2	61.6	18	1645		107.235
3	2	76.2	18	1722		181.92
4	2	85	18	1769		727.5
5	2	99	18	1957		281.18
6	2	53.4	18	1168		307.48
7	2	55.3	18	1934		170.25
8	2	89.2	18	1694		133.45
9	2	62.5	18	1790		111.55
10	3	83.7	18	1660	1481	667.15
11	1	94.6	18			691.89
12	2	100	18	1161		269.92
13	1	85.5	18			307.08
14	2	98.7	18	1258		302.4
15	1	94.2	18			18.2
16	2	74	18	1453		529

Type 5 Radar Waveform_5

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	1	68.6	13			794.335
2	2	55.3	13	1174		141.7
3	1	93.7	13			140.72
4	3	83	13	1267	1099	983.71
5	2	52.3	13	1154		694.06
6	3	69.1	13	1115	1240	169.29
7	2	60.3	13	1017		346.39
8	2	55.7	13	1697		67.09
9	1	79.9	13			434.35
10	3	52	13	1361	1620	410.6
11	3	89.2	13	1459	1011	481.1
12	2	69.4	13	1037		544.7

Type 5 Radar Waveform_6

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	3	52.3	15	1793	1313	751.644
2	2	79.7	15	1409		66.647
3	2	89.7	15	1431		91.483
4	2	64	15	1178		174.78
5	1	98	15			193.757
6	3	87.1	15	1335	1079	183.863
7	3	74.2	15	1874	1517	428.9
8	1	66	15			1312.667
9	2	80.1	15	1249		721.433

Type 5 Radar Waveform_7

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	1	97.9	7			4.196
2	3	69.6	7	1081	1087	346.478
3	1	70.3	7			670.025
4	2	98.1	7	1944		355.943
5	3	51.9	7	1620	1919	435.671
6	1	68.8	7			249.358
7	2	57.2	7	1335		53.876
8	3	59.4	7	1861	1509	646.924
9	2	70.1	7	1441		176.991
10	2	50.5	7	1637		15.659
11	1	61.4	7			643.776
12	2	73.1	7	1420		44.004
13	1	82.2	7			83.182
14	3	54.3	7	1502	1769	113.009
15	1	71.3	7			534.947
16	2	92.9	7	1704		678.065
17	2	95.5	7	1934		647.082

Type 5 Radar Waveform_8

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μ sec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	3	96.8	14	1420	1068	67.174
2	2	55.2	14	1786		563.318
3	2	74.5	14	1861		581.635
4	1	84.8	14			17.603
5	1	93.1	14			445.931
6	2	97.4	14	1880		508.958
7	2	72.4	14	1262		687.116
8	2	56.3	14	1561		69.674
9	3	72.7	14	1033	1896	173.571
10	2	98.9	14	1305		218.969
11	1	60.7	14			537.036
12	1	79.2	14			618.734
13	3	68.9	14	1214	1500	293.392
14	2	96	14	1399		454.049
15	1	67.8	14			116.927
16	2	70.1	14	1698		566.765
17	1	50.8	14			628.382

Type 5 Radar Waveform_9

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	3	95.8	16	1770	1459	99.003
2	1	88.3	16			483.46
3	3	71.3	16	1363	1040	323.31
4	3	66.8	16	1692	1978	499.87
5	3	56.3	16	1544	1712	1035.88
6	2	89.9	16	1139		179.04
7	3	66.5	16	1952	1789	682.63
8	1	97.9	16			666.41
9	2	66.6	16	1970		482.9
10	3	83.4	16	1920	1644	1167.2

Type 5 Radar Waveform_10

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	1	90.5	12			82.832
2	2	54.5	12	1125		468.457
3	2	63.8	12	1765		672.833
4	2	50.6	12	1322		1202.98
5	2	58.3	12	1628		965.437
6	1	90.4	12			87.583
7	2	55	12	1139		243.24
8	1	99.6	12			216.317
9	1	69.1	12			234.433

Type 5 Radar Waveform_11

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	3	52.6	15	1173	1959	240.148
2	2	83.8	15	1946		58.321
3	1	73.7	15			183.112
4	2	95.5	15	1361		610.753
5	2	91.7	15	1916		1011.994
6	1	69.6	15			721.795
7	3	57.9	15	1852	1333	809.105
8	3	54.1	15	1016	1658	52.976
9	3	73.8	15	1018	1149	507.947
10	2	85.3	15	1047		366.918
11	1	83.6	15			361.009

Type 5 Radar Waveform_12

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	53	6	1668		41.21
2	3	61.2	6	1842	1686	465.853
3	2	73.7	6	1447		366.116
4	2	74.3	6	1577		876.029
5	3	88.9	6	1332	1178	576.152
6	2	68.5	6	1386		35.225
7	2	51.9	6	1316		224.388
8	2	53.1	6	1422		551.992
9	3	57.9	6	1291	1228	509.735
10	2	74.8	6	1506		15.508
11	3	82.3	6	1229	1570	619.401
12	1	61.7	6			5.854
13	3	80.2	6	1381	1011	319.677

Type 5 Radar Waveform_13

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	86.4	20	1723		998.105
2	3	57	20	1602	1775	758.531
3	2	96.2	20	1937		104.192
4	2	84.2	20	1446		871.293
5	2	67.2	20	1037		928.014
6	3	80.2	20	1283	1496	530.035
7	1	59.7	20			600.145
8	3	56.3	20	1944	1751	660.166
9	3	86.5	20	1758	1678	218.947
10	2	93.6	20	1227		665.018
11	2	57.4	20	1515		363.809

Type 5 Radar Waveform_14

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	62.5	10	1063		629.716
2	1	68.9	10			555.683
3	3	54.8	10	1850	1031	538.126
4	2	96.1	10	1210		197.449
5	2	90.3	10	1736		757.962
6	2	51.8	10	1651		49.495
7	2	92.7	10	1528		296.208
8	2	71.6	10	1152		627.892
9	3	74.9	10	1292	1277	540.055
10	1	87.4	10			804.438
11	3	84.9	10	1724	1710	605.111
12	3	64.1	10	1749	1539	597.354
13	1	89.1	10			561.977

Type 5 Radar Waveform_15

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	65.9	5	1368		275.265
2	3	58.4	5	1237	1169	440.391
3	3	62.3	5	1774	1600	203.892
4	1	74.8	5			267.143
5	3	84.1	5	1058	1154	488.224
6	1	99	5			515.985
7	3	78	5	1638	1279	467.746
8	2	85	5	1717		540.027
9	2	64	5	1834		600.968
10	2	86.9	5	1867		576.379
11	2	59.9	5	1051		1.831
12	3	58.8	5	1636	1991	380.032
13	2	51.7	5	1355		402.543
14	2	56.1	5	1818		581.974
15	2	52.7	5	1723		511.705
16	3	60	5	1513	1188	144.786
17	2	67.6	5	1247		390.537
18	2	78.3	5	1782		498.058
19	2	69.4	5	1870		461.679

Type 5 Radar Waveform_16

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	98.9	10	1662		426.5
2	2	94.4	10	1556		505.5
3	2	89.1	10	1685		225.97
4	2	92.8	10	1359		259.21
5	1	97.7	10			417.09
6	2	85.2	10	1492		577.01
7	3	72.1	10	1840	1093	138.66
8	3	83.7	10	1272	1125	481.91
9	3	99.7	10	1788	1399	637.58
10	2	92.6	10	1835		158.54
11	2	82.4	10	1000		478.02
12	3	86.3	10	1828	1576	626.68
13	2	96.6	10	1862		63.42
14	2	54.1	10	1826		8.16
15	2	57.5	10	1490		109.7
16	1	54.8	10			32.1

Type 5 Radar Waveform_17

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	69	19	1209		486.784
2	3	99.4	19	1286	1685	725.19
3	2	99.9	19	1937		155.3
4	2	94.3	19	1609		713.61
5	2	83	19	1394		357.63
6	3	61.8	19	1644	1462	15.48
7	2	51	19	1893		733.82
8	2	71.3	19	1876		346.44
9	2	98.1	19	1701		180.36
10	2	76.7	19	1018		627.44
11	2	86.8	19	1362		118.11
12	2	85.9	19	1124		572.98
13	1	84.2	19			62.74
14	3	75.7	19	1348	1926	367.6
15	3	61.6	19	1570	1340	249.6
16	1	64.4	19			112.5

Type 5 Radar Waveform_18

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	1	51.5	20			639.493
2	1	99.5	20			481.671
3	2	53.1	20	1785		1006.112
4	2	85.2	20	1522		986.853
5	3	52.7	20	1737	1774	527.634
6	2	96.7	20	1167		996.085
7	1	63	20			173.745
8	2	78.9	20	1819		827.266
9	1	99.7	20			691.957
10	2	63.7	20	1628		479.218
11	2	53.4	20	1739		591.909

Type 5 Radar Waveform_19

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	69	11	1089		604.2
2	3	75.8	11	1336	1532	613.54
3	3	54.9	11	1013	1235	662.67
4	1	84.9	11			163.22
5	2	76.3	11	1758		582.16
6	2	55.8	11	1718		632.9
7	2	77.1	11	1888		440.87
8	2	77.4	11	1171		787.61
9	3	58.5	11	1910	1640	786.39
10	3	83.4	11	1947	1144	374.89
11	1	92.2	11			185.13
12	3	90.3	11	1072	1660	269.71
13	1	95.3	11			147.13
14	3	82.4	11	1299	1429	510.7
15	2	75.1	11	1767		702.7

Type 5 Radar Waveform_20

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	55.5	17	1562		28.662
2	2	50	17	1222		114.037
3	3	89.6	17	1484	1013	592.393
4	1	72.5	17			940.51
5	2	62.7	17	1811		858.157
6	2	58.7	17	1057		567.773
7	1	92.1	17			339.42
8	3	70.6	17	1960	1383	1053.067
9	3	50	17	1877	1825	646.733

Type 5 Radar Waveform_21

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	56.3	9	1920		286.777
2	2	59.2	9	1768		121.577
3	2	85.7	9	1387		159.505
4	3	83.1	9	1260	1811	463.533
5	3	81.3	9	1795	1179	629.161
6	1	50.3	9			548.058
7	2	52.5	9	1445		360.816
8	1	51.6	9			666.234
9	3	78.8	9	1047	1143	12.081
10	2	63.2	9	1887		350.169
11	3	93.8	9	1210	1494	33.626
12	1	55.3	9			519.324
13	1	93.3	9			545.662
14	1	84.5	9			529.459
15	2	77	9	1593		303.247
16	1	52.1	9			300.365
17	2	86	9	1336		657.782

Type 5 Radar Waveform_22

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	96.9	9	1092		21.673
2	2	92.5	9	1840		571.597
3	2	97	9	1835		301.184
4	1	80.2	9			248.591
5	2	62.8	9	1357		403.749
6	1	65	9			819.546
7	2	77.6	9	1067		391.513
8	3	51.2	9	1171	1982	363.59
9	1	56.2	9			263.277
10	3	58.6	9	1127	1853	623.514
11	3	66.7	9	1953	1005	488.621
12	1	99.6	9			698.829
13	3	57	9	1537	1962	828.886
14	1	67.7	9			837.443

Type 5 Radar Waveform_23

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	3	99.5	16	1150	1798	899.256
2	1	63	16			323.223
3	2	79.1	16	1697		742.836
4	3	67	16	1394	1770	805.699
5	3	91.4	16	1267	1118	736.992
6	3	78.1	16	1622	1034	81.175
7	3	58.4	16	1955	1858	194.138
8	3	64	16	1897	1704	662.432
9	3	79.4	16	1488	1816	36.875
10	2	56.5	16	1870		727.948
11	1	58.5	16			460.041
12	1	64.3	16			580.554
13	2	65.5	16	1315		685.477

Type 5 Radar Waveform_24

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	1	80.8	11			319.766
2	2	72.8	11	1526		546.791
3	2	87.5	11	1209		237.012
4	2	52.7	11	1113		9.903
5	1	93.8	11			287.214
6	2	99.8	11	1521		81.915
7	1	67.6	11			344.166
8	2	93	11	1857		127.497
9	2	55.6	11	1792		272.588
10	3	62.4	11	1723	1873	305.759
11	2	56.7	11	1424		219.661
12	3	81.6	11	1248	1116	606.972
13	2	71.6	11	1268		347.473
14	2	60.9	11	1374		443.754
15	2	74.6	11	1027		205.935
16	3	58.3	11	1349	1910	466.246
17	3	58.4	11	1761	1421	362.437
18	2	70	11	1228		525.358
19	2	57.5	11	1594		217.379

Type 5 Radar Waveform_25

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	79.8	8	1369		710.766
2	1	91.8	8			40.764
3	2	62.3	8	1661		528.37
4	2	62.6	8	1200		283.81
5	3	69.4	8	1790	1371	17.76
6	1	59.5	8			567.11
7	1	80.5	8			66.01
8	3	57	8	1128	1613	82.68
9	2	52.6	8	1171		122.92
10	2	94.3	8	1933		203.79
11	3	64.3	8	1906	1596	3.04
12	1	51.5	8			637.41
13	3	51.6	8	1507	1500	382.75
14	3	87	8	1298	1562	349.6
15	1	79.1	8			184.4
16	1	65.8	8			430.9

Type 5 Radar Waveform_26

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	3	95.6	11	1482	1596	849.015
2	1	93.8	11			275.141
3	1	88.6	11			564.062
4	3	52.4	11	1291	1986	1041.223
5	2	64.3	11	1709		392.564
6	2	59.9	11	1885		144.075
7	3	50.7	11	1081	1277	1077.745
8	1	81.8	11			999.986
9	2	57.9	11	1424		35.107
10	1	95.7	11			876.118
11	2	56.6	11	1302		207.709

Type 5 Radar Waveform_27

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	89.6	13	1598		386.224
2	3	73.4	13	1095	1836	245.271
3	2	67.1	13	1540		226.24
4	2	53.7	13	1153		462.5
5	1	82.6	13			136.1
6	2	95.7	13	1877		10.96
7	1	72	13			537.05
8	2	71.1	13	1245		549.55
9	3	94.8	13	1116	1614	19.04
10	2	74	13	1170		212.44
11	2	62.1	13	1037		537.44
12	2	83.3	13	1519		534.31
13	1	93	13			241.64
14	1	98.9	13			572.13
15	3	62.9	13	1180	1877	151.4
16	1	64.1	13			415.24
17	2	81.5	13	1218		511.9
18	1	79.5	13			250.8
19	2	61	13	1548		180.4
20	2	91.7	13	1185		558.3

Type 5 Radar Waveform_28

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	3	58.2	20	1348	1925	233.286
2	2	93.5	20	1815		93.723
3	3	92.8	20	1609	1343	187.55
4	1	82.4	20			755.22
5	1	60	20			549.75
6	2	79.2	20	1785		310.01
7	3	98	20	1376	1972	336.99
8	3	79.4	20	1126	1743	421.41
9	2	92.6	20	1830		458.48
10	2	59.1	20	1462		622.14
11	1	77.1	20			589.2
12	3	56.5	20	1800	1850	487.94
13	1	72.5	20			422.4
14	2	61	20	1120		626.2
15	3	69.2	20	1803	1384	416.5

Type 5 Radar Waveform_29

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	3	76.8	20	1087	1373	497.229
2	2	64.4	20	1137		387.637
3	2	60.6	20	1367		686.734
4	3	65.7	20	1728	1564	106.331
5	2	71.3	20	1795		787.279
6	2	97.6	20	1502		635.176
7	2	69.2	20	1592		782.873
8	1	84.2	20			215.48
9	2	82.9	20	1427		406.897
10	3	79.8	20	1892	1857	649.094
11	2	65.6	20	1192		448.721
12	1	74.3	20			76.749
13	2	58.1	20	1234		474.986
14	2	88.5	20	1391		521.043

Type 5 Radar Waveform_30

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	71.3	13	1831		1046.66
2	2	75.5	13	1255		361.79
3	3	59.8	13	1993	1329	224.16
4	2	57.4	13	1577		44.79
5	2	96.9	13	1575		940.15
6	1	73.6	13			470.66
7	2	81.7	13	1576		1425.5
8	2	95.6	13	1375		290.3

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	0
6	1	21	1
7	1	22	0
8	0	23	1
9	1	24	1
10	0	25	1
11	1	26	1
12	1	27	1
13	1	28	1
14	0	29	1
15	1	30	1
Detection Percentage (%)		83.3%	

Type 6 Radar Waveform_1

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.25	5.284	160	*
15	5.25	5.27	160	*
17	5.25	5.302	160	*
22	5.25	5.288	160	*
28	5.25	5.266	160	*
33	5.25	5.257	160	*
34	5.25	5.285	160	*
35	5.25	5.293	160	*
40	5.25	5.277	160	*
42	5.25	5.256	160	*
45	5.25	5.318	160	*
53	5.25	5.251	160	*
81	5.25	5.291	160	*
82	5.25	5.308	160	*
83	5.25	5.297	160	*
85	5.25	5.276	160	*
88	5.25	5.323	160	*
93	5.25	5.304	160	*
98	5.25	5.305	160	*

Type 6 Radar Waveform_2

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.25	5.313	160	*
10	5.25	5.256	160	*
21	5.25	5.275	160	*
24	5.25	5.329	160	*
34	5.25	5.283	160	*
38	5.25	5.324	160	*
40	5.25	5.273	160	*
43	5.25	5.3	160	*
63	5.25	5.305	160	*
69	5.25	5.316	160	*
70	5.25	5.306	160	*
76	5.25	5.285	160	*

Type 6 Radar Waveform_3

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.25	5.273	160	*
28	5.25	5.326	160	*
37	5.25	5.257	160	*
40	5.25	5.295	160	*
43	5.25	5.297	160	*
65	5.25	5.259	160	*
68	5.25	5.299	160	*
81	5.25	5.252	160	*
82	5.25	5.275	160	*
84	5.25	5.327	160	*
91	5.25	5.263	160	*
93	5.25	5.255	160	*
96	5.25	5.312	160	*
97	5.25	5.256	160	*
100	5.25	5.302	160	*

Type 6 Radar Waveform_4

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.25	5.311	160	*
6	5.25	5.293	160	*
12	5.25	5.327	160	*
15	5.25	5.301	160	*
30	5.25	5.256	160	*
45	5.25	5.303	160	*
46	5.25	5.25	160	*
53	5.25	5.291	160	*
55	5.25	5.261	160	*
64	5.25	5.26	160	*
76	5.25	5.304	160	*
79	5.25	5.284	160	*
87	5.25	5.254	160	*

Type 6 Radar Waveform_5

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.25	5.288	160	*
7	5.25	5.301	160	*
18	5.25	5.264	160	*
24	5.25	5.252	160	*
32	5.25	5.271	160	*
33	5.25	5.291	160	*
36	5.25	5.277	160	*
50	5.25	5.28	160	*
57	5.25	5.272	160	*
59	5.25	5.315	160	*
69	5.25	5.302	160	*
79	5.25	5.255	160	*
86	5.25	5.294	160	*

Type 6 Radar Waveform_6

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.25	5.326	160	*
16	5.25	5.257	160	*
24	5.25	5.293	160	*
29	5.25	5.253	160	*
30	5.25	5.262	160	*
31	5.25	5.304	160	*
42	5.25	5.255	160	*
43	5.25	5.264	160	*
47	5.25	5.323	160	*
53	5.25	5.285	160	*
55	5.25	5.252	160	*
65	5.25	5.319	160	*
66	5.25	5.29	160	*
69	5.25	5.325	160	*
77	5.25	5.33	160	*
80	5.25	5.281	160	*
83	5.25	5.251	160	*
87	5.25	5.284	160	*
89	5.25	5.273	160	*
93	5.25	5.267	160	*
99	5.25	5.272	160	*

Type 6 Radar Waveform_7

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.25	5.321	160	*
8	5.25	5.316	160	*
17	5.25	5.259	160	*
20	5.25	5.267	160	*
24	5.25	5.315	160	*
46	5.25	5.301	160	*
50	5.25	5.317	160	*
53	5.25	5.322	160	*
55	5.25	5.255	160	*
56	5.25	5.327	160	*
57	5.25	5.252	160	*
58	5.25	5.324	160	*
66	5.25	5.31	160	*
72	5.25	5.25	160	*
74	5.25	5.32	160	*
76	5.25	5.312	160	*

Type 6 Radar Waveform_8

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.25	5.305	160	*
15	5.25	5.25	160	*
17	5.25	5.304	160	*
29	5.25	5.316	160	*
35	5.25	5.329	160	*
40	5.25	5.33	160	*
59	5.25	5.306	160	*
64	5.25	5.3	160	*
65	5.25	5.319	160	*
66	5.25	5.28	160	*
76	5.25	5.313	160	*
77	5.25	5.327	160	*
85	5.25	5.257	160	*
88	5.25	5.295	160	*

Type 6 Radar Waveform_9

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
12	5.25	5.291	160	*
16	5.25	5.264	160	*
18	5.25	5.317	160	*
20	5.25	5.308	160	*
32	5.25	5.276	160	*
35	5.25	5.301	160	*
36	5.25	5.32	160	*
42	5.25	5.262	160	*
44	5.25	5.294	160	*
45	5.25	5.295	160	*
46	5.25	5.253	160	*
49	5.25	5.324	160	*
50	5.25	5.292	160	*
51	5.25	5.316	160	*
70	5.25	5.299	160	*
79	5.25	5.274	160	*
81	5.25	5.28	160	*
85	5.25	5.252	160	*
87	5.25	5.296	160	*

Type 6 Radar Waveform_10

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.25	5.301	160	*
6	5.25	5.318	160	*
18	5.25	5.255	160	*
31	5.25	5.322	160	*
41	5.25	5.274	160	*
44	5.25	5.326	160	*
54	5.25	5.289	160	*
55	5.25	5.323	160	*
61	5.25	5.257	160	*
66	5.25	5.281	160	*
67	5.25	5.298	160	*
70	5.25	5.27	160	*
72	5.25	5.302	160	*
81	5.25	5.328	160	*
82	5.25	5.295	160	*
88	5.25	5.278	160	*
92	5.25	5.31	160	*
96	5.25	5.325	160	*
98	5.25	5.267	160	*

Type 6 Radar Waveform_11

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.25	5.269	160	*
15	5.25	5.271	160	*
20	5.25	5.275	160	*
24	5.25	5.278	160	*
25	5.25	5.32	160	*
27	5.25	5.266	160	*
28	5.25	5.315	160	*
30	5.25	5.263	160	*
38	5.25	5.304	160	*
44	5.25	5.272	160	*
52	5.25	5.314	160	*
59	5.25	5.318	160	*
63	5.25	5.285	160	*
65	5.25	5.308	160	*
66	5.25	5.313	160	*
71	5.25	5.307	160	*
76	5.25	5.26	160	*
84	5.25	5.284	160	*
88	5.25	5.264	160	*
100	5.25	5.292	160	*

Type 6 Radar Waveform_12

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
9	5.25	5.257	160	*
22	5.25	5.267	160	*
47	5.25	5.31	160	*
53	5.25	5.251	160	*
71	5.25	5.289	160	*
72	5.25	5.307	160	*
81	5.25	5.252	160	*
87	5.25	5.29	160	*

Type 6 Radar Waveform_13

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.25	5.259	160	*
7	5.25	5.267	160	*
13	5.25	5.262	160	*
27	5.25	5.292	160	*
28	5.25	5.268	160	*
32	5.25	5.294	160	*
33	5.25	5.286	160	*
36	5.25	5.3	160	*
41	5.25	5.296	160	*
42	5.25	5.319	160	*
49	5.25	5.282	160	*
50	5.25	5.312	160	*
56	5.25	5.287	160	*
62	5.25	5.322	160	*
63	5.25	5.29	160	*
64	5.25	5.315	160	*
72	5.25	5.309	160	*
78	5.25	5.278	160	*
86	5.25	5.271	160	*
97	5.25	5.305	160	*

Type 6 Radar Waveform_14

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
23	5.25	5.288	160	*
56	5.25	5.276	160	*
59	5.25	5.306	160	*
63	5.25	5.258	160	*
65	5.25	5.297	160	*
66	5.25	5.271	160	*
74	5.25	5.309	160	*
78	5.25	5.277	160	*
92	5.25	5.32	160	*
99	5.25	5.321	160	*

Type 6 Radar Waveform_15

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.25	5.275	160	*
6	5.25	5.261	160	*
9	5.25	5.312	160	*
13	5.25	5.306	160	*
16	5.25	5.276	160	*
19	5.25	5.317	160	*
25	5.25	5.278	160	*
28	5.25	5.287	160	*
35	5.25	5.297	160	*
42	5.25	5.265	160	*
50	5.25	5.321	160	*
55	5.25	5.315	160	*
60	5.25	5.3	160	*
64	5.25	5.293	160	*
72	5.25	5.307	160	*
84	5.25	5.313	160	*
95	5.25	5.304	160	*
96	5.25	5.258	160	*
98	5.25	5.26	160	*

Type 6 Radar Waveform_16

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
11	5.25	5.256	160	*
17	5.25	5.274	160	*
20	5.25	5.26	160	*
22	5.25	5.265	160	*
23	5.25	5.306	160	*
24	5.25	5.305	160	*
28	5.25	5.302	160	*
37	5.25	5.293	160	*
59	5.25	5.253	160	*
67	5.25	5.269	160	*
68	5.25	5.294	160	*
69	5.25	5.272	160	*
84	5.25	5.283	160	*
90	5.25	5.327	160	*
93	5.25	5.252	160	*

Type 6 Radar Waveform_17

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
7	5.25	5.301	160	*
9	5.25	5.287	160	*
11	5.25	5.302	160	*
19	5.25	5.257	160	*
27	5.25	5.264	160	*
30	5.25	5.327	160	*
35	5.25	5.294	160	*
40	5.25	5.324	160	*
46	5.25	5.33	160	*
47	5.25	5.281	160	*
61	5.25	5.329	160	*
62	5.25	5.325	160	*
63	5.25	5.266	160	*
76	5.25	5.255	160	*
83	5.25	5.32	160	*
88	5.25	5.263	160	*
91	5.25	5.25	160	*
93	5.25	5.279	160	*
99	5.25	5.278	160	*

Type 6 Radar Waveform_18

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.25	5.308	160	*
6	5.25	5.299	160	*
7	5.25	5.32	160	*
10	5.25	5.256	160	*
16	5.25	5.285	160	*
23	5.25	5.301	160	*
24	5.25	5.272	160	*
31	5.25	5.295	160	*
34	5.25	5.315	160	*
54	5.25	5.252	160	*
62	5.25	5.309	160	*
73	5.25	5.326	160	*
93	5.25	5.284	160	*

Type 6 Radar Waveform_19

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.25	5.27	160	*
11	5.25	5.266	160	*
18	5.25	5.29	160	*
19	5.25	5.264	160	*
22	5.25	5.267	160	*
26	5.25	5.305	160	*
31	5.25	5.314	160	*
37	5.25	5.256	160	*
40	5.25	5.306	160	*
45	5.25	5.269	160	*
54	5.25	5.273	160	*
58	5.25	5.276	160	*
80	5.25	5.317	160	*
88	5.25	5.292	160	*
94	5.25	5.25	160	*
95	5.25	5.301	160	*
96	5.25	5.251	160	*

Type 6 Radar Waveform_20

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.25	5.274	160	*
12	5.25	5.267	160	*
17	5.25	5.29	160	*
20	5.25	5.252	160	*
28	5.25	5.268	160	*
31	5.25	5.299	160	*
41	5.25	5.256	160	*
50	5.25	5.324	160	*
55	5.25	5.288	160	*
57	5.25	5.322	160	*
65	5.25	5.279	160	*
76	5.25	5.293	160	*
78	5.25	5.315	160	*
79	5.25	5.25	160	*
80	5.25	5.255	160	*
81	5.25	5.285	160	*
83	5.25	5.281	160	*
90	5.25	5.257	160	*

Type 6 Radar Waveform_21

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.25	5.265	160	*
19	5.25	5.274	160	*
23	5.25	5.327	160	*
26	5.25	5.307	160	*
35	5.25	5.295	160	*
36	5.25	5.281	160	*
39	5.25	5.303	160	*
41	5.25	5.259	160	*
50	5.25	5.296	160	*
59	5.25	5.284	160	*
70	5.25	5.286	160	*
75	5.25	5.31	160	*
76	5.25	5.257	160	*
78	5.25	5.283	160	*

Type 6 Radar Waveform_22

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.25	5.328	160	*
7	5.25	5.259	160	*
10	5.25	5.292	160	*
12	5.25	5.31	160	*
19	5.25	5.261	160	*
20	5.25	5.313	160	*
35	5.25	5.322	160	*
36	5.25	5.284	160	*
46	5.25	5.308	160	*
48	5.25	5.314	160	*
66	5.25	5.296	160	*
79	5.25	5.289	160	*
85	5.25	5.305	160	*
88	5.25	5.256	160	*
92	5.25	5.282	160	*
95	5.25	5.319	160	*
99	5.25	5.33	160	*

Type 6 Radar Waveform_23

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.25	5.323	160	*
2	5.25	5.321	160	*
8	5.25	5.315	160	*
12	5.25	5.276	160	*
16	5.25	5.256	160	*
31	5.25	5.32	160	*
34	5.25	5.262	160	*
40	5.25	5.306	160	*
44	5.25	5.304	160	*
49	5.25	5.261	160	*
54	5.25	5.312	160	*
56	5.25	5.292	160	*
58	5.25	5.297	160	*
59	5.25	5.302	160	*
67	5.25	5.324	160	*
69	5.25	5.29	160	*
71	5.25	5.329	160	*
78	5.25	5.299	160	*
85	5.25	5.287	160	*
88	5.25	5.254	160	*
93	5.25	5.282	160	*
94	5.25	5.277	160	*
99	5.25	5.311	160	*

Type 6 Radar Waveform_24

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
19	5.25	5.263	160	*
29	5.25	5.273	160	*
30	5.25	5.294	160	*
31	5.25	5.275	160	*
35	5.25	5.277	160	*
37	5.25	5.324	160	*
43	5.25	5.25	160	*
56	5.25	5.314	160	*
60	5.25	5.267	160	*
69	5.25	5.312	160	*
70	5.25	5.313	160	*
83	5.25	5.298	160	*
89	5.25	5.305	160	*
94	5.25	5.287	160	*
97	5.25	5.328	160	*

Type 6 Radar Waveform_25

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.25	5.302	160	*
5	5.25	5.261	160	*
14	5.25	5.291	160	*
20	5.25	5.317	160	*
21	5.25	5.284	160	*
24	5.25	5.281	160	*
34	5.25	5.33	160	*
35	5.25	5.286	160	*
36	5.25	5.303	160	*
37	5.25	5.304	160	*
40	5.25	5.282	160	*
46	5.25	5.288	160	*
56	5.25	5.297	160	*
60	5.25	5.296	160	*
69	5.25	5.256	160	*
77	5.25	5.257	160	*
78	5.25	5.289	160	*
79	5.25	5.31	160	*
81	5.25	5.266	160	*
86	5.25	5.267	160	*
98	5.25	5.273	160	*

Type 6 Radar Waveform_26

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
16	5.25	5.307	160	*
20	5.25	5.305	160	*
26	5.25	5.285	160	*
30	5.25	5.318	160	*
33	5.25	5.296	160	*
38	5.25	5.271	160	*
39	5.25	5.279	160	*
48	5.25	5.258	160	*
52	5.25	5.317	160	*
55	5.25	5.265	160	*
67	5.25	5.266	160	*
70	5.25	5.322	160	*
73	5.25	5.286	160	*
92	5.25	5.272	160	*
93	5.25	5.263	160	*
98	5.25	5.297	160	*

Type 6 Radar Waveform_27

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.25	5.264	160	*
9	5.25	5.285	160	*
10	5.25	5.329	160	*
19	5.25	5.26	160	*
21	5.25	5.252	160	*
25	5.25	5.302	160	*
28	5.25	5.296	160	*
29	5.25	5.278	160	*
36	5.25	5.298	160	*
44	5.25	5.3	160	*
49	5.25	5.265	160	*
59	5.25	5.304	160	*
64	5.25	5.322	160	*
65	5.25	5.27	160	*
75	5.25	5.273	160	*

Type 6 Radar Waveform_28

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
15	5.25	5.301	160	*
25	5.25	5.273	160	*
27	5.25	5.269	160	*
29	5.25	5.297	160	*
30	5.25	5.257	160	*
39	5.25	5.274	160	*
42	5.25	5.319	160	*
59	5.25	5.306	160	*
72	5.25	5.3	160	*
76	5.25	5.284	160	*
82	5.25	5.32	160	*
87	5.25	5.256	160	*
89	5.25	5.275	160	*
90	5.25	5.286	160	*
95	5.25	5.271	160	*
98	5.25	5.309	160	*

Type 6 Radar Waveform_29

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
9	5.25	5.288	160	*
13	5.25	5.263	160	*
20	5.25	5.292	160	*
35	5.25	5.305	160	*
45	5.25	5.298	160	*
47	5.25	5.285	160	*
48	5.25	5.294	160	*
56	5.25	5.278	160	*
60	5.25	5.276	160	*
74	5.25	5.291	160	*
85	5.25	5.295	160	*
86	5.25	5.28	160	*

Type 6 Radar Waveform_30

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.25	5.313	160	*
7	5.25	5.271	160	*
9	5.25	5.287	160	*
11	5.25	5.259	160	*
23	5.25	5.262	160	*
26	5.25	5.255	160	*
34	5.25	5.321	160	*
43	5.25	5.329	160	*
52	5.25	5.296	160	*
57	5.25	5.302	160	*
77	5.25	5.292	160	*
79	5.25	5.258	160	*
82	5.25	5.27	160	*

Test Site	WZ-SR5	Test Engineer	Jake Lan
Test Date	2022/06/13		
Test Item	Radar Statistical Performance Check (802.11ax-HE160 – 5570MHz)		

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5570	1	618	86	1
2	5628	1	638	83	1
3	5593	1	838	63	1
4	5598	1	618	86	1
5	5566	1	838	63	1
6	5510	1	698	76	1
7	5525	1	638	83	1
8	5589	1	558	95	1
9	5583	1	698	76	1
10	5611	1	778	68	1
11	5511	1	558	95	1
12	5533	1	678	78	1
13	5490	1	918	58	1
14	5539	1	778	68	1
15	5525	1	598	89	1
16	5586	1	538	98	1
17	5627	1	798	67	1
18	5594	1	658	81	1
19	5547	1	698	76	1
20	5524	1	658	81	1
21	5586	1	838	63	1
22	5534	1	678	78	1
23	5532	1	678	78	1
24	5506	1	938	57	1
25	5650	1	798	67	1
26	5610	1	858	62	1

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
27	5560	1	838	63	1
28	5581	1	818	65	1
29	5591	1	738	72	1
30	5593	1	778	68	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	5528	2.7	217	28	1
2	5505	1.8	192	28	0
3	5595	1.4	156	23	1
4	5498	4	200	24	1
5	5530	3.1	178	25	1
6	5513	3	204	24	0
7	5643	3.5	161	25	0
8	5650	4.9	191	27	0
9	5529	1.6	156	25	1
10	5626	1.5	198	23	1
11	5491	4.6	230	25	0
12	5504	4.6	176	26	1
13	5538	3.8	219	29	1
14	5633	4.7	208	23	1
15	5559	3.6	166	27	1
16	5553	3	186	26	0
17	5610	1.9	201	26	1
18	5513	3.3	203	28	1
19	5537	1.4	176	25	1
20	5623	4.2	194	26	1
21	5570	1.1	221	25	1
22	5507	3.2	214	27	1
23	5490	4.6	208	25	0
24	5643	3.5	218	29	1
25	5634	3.7	185	26	1
26	5590	3.9	189	28	0
27	5549	1.1	227	28	1
28	5501	2.3	201	27	1
29	5642	4.5	151	24	1
30	5497	4.4	198	28	1
Detection Percentage (%)					73.3%

Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5490	8.2	261	18	0
2	5592	7.5	260	18	1
3	5644	6.7	230	17	1
4	5647	8.5	333	18	1
5	5528	8.2	202	18	0
6	5536	8.8	265	17	1
7	5549	9.7	497	17	1
8	5629	8	493	17	1
9	5508	9	243	17	1
10	5556	6.7	256	17	1
11	5505	9.4	370	17	1
12	5618	6.7	443	16	0
13	5516	6.6	457	16	1
14	5626	9.9	410	18	0
15	5570	6.2	367	17	1
16	5642	6.2	474	18	1
17	5553	6.5	288	16	1
18	5602	7.5	493	18	1
19	5650	9	309	18	0
20	5551	6.3	336	16	1
21	5622	6.7	404	17	1
22	5594	6.5	291	17	1
23	5615	9.1	322	16	1
24	5529	7.9	296	17	1
25	5506	9.2	377	16	0
26	5635	9.5	336	17	1
27	5501	6.6	387	16	1
28	5530	8.9	238	17	1
29	5578	8	465	17	1
30	5563	9.7	248	17	1
Detection Percentage (%)					80.0%

Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5514	15.5	439	16	1
2	5511	11.9	221	13	1
3	5529	15.7	428	12	1
4	5554	17.5	451	14	0
5	5507	12.9	259	14	0
6	5629	17.6	389	14	1
7	5567	16	374	13	1
8	5555	18.5	402	12	1
9	5529	17	335	12	1
10	5501	11.2	348	13	1
11	5570	17.4	345	16	1
12	5614	18.8	220	15	1
13	5627	17	413	12	1
14	5538	12.2	207	14	1
15	5574	15.6	331	13	1
16	5583	19.1	246	15	0
17	5507	14.1	320	15	1
18	5642	11.7	360	16	0
19	5547	11.7	315	13	1
20	5613	18.3	343	13	1
21	5620	18.8	394	13	1
22	5583	12	468	13	1
23	5525	17	477	13	0
24	5628	19.6	454	14	1
25	5490	15.6	416	13	0
26	5650	16.4	483	13	0
27	5618	14	469	14	1
28	5511	19	383	14	1
29	5497	12.4	243	14	1
30	5619	14.9	203	15	1
Detection Percentage (%)					76.7%

Note: In addition, an average minimum percentage of successful detection across all four Short pulse radar test waveforms is as follows: $\frac{P_d1+P_d2+P_d3+P_d4}{4}$ = (100.0%+73.3%+80.0%+76.7%)/4 = 82.5% (>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	5570.0	0	16	5494.4	1
2	5570.0	1	17	5492.4	0
3	5570.0	1	18	5492.4	0
4	5570.0	1	19	5496.0	1
5	5570.0	1	20	5495.2	1
6	5570.0	1	21	5645.2	1
7	5570.0	1	22	5647.6	1
8	5570.0	1	23	5646.0	1
9	5570.0	1	24	5642.0	1
10	5570.0	1	25	5642.0	1
11	5492.4	0	26	5643.2	0
12	5494.0	1	27	5648.0	0
13	5495.6	1	28	5643.6	1
14	5493.6	1	29	5646.8	1
15	5493.6	1	30	5647.2	1
Detection Percentage (%)					80.0%

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	68.9	19	1562		797.13
2	2	98.3	19	1127		31.471
3	2	94.4	19	1073		193.832
4	2	71.3	19	1916		773.023
5	2	64.3	19	1294		955.944
6	2	84.5	19	1977		928.885
7	2	72.8	19	1824		143.345
8	2	98.9	19	1895		425.646
9	1	69	19			710.477
10	2	79.1	19	1997		371.418
11	3	55.3	19	1988	1169	901.209

Type 5 Radar Waveform_2

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	1	93.5	12			565.797
2	1	96.2	12			747.82
3	3	75.6	12	1059	1430	744.51
4	2	89.1	12	1468		672.7
5	3	81.8	12	1830	1212	106.69
6	1	62.5	12			568.61
7	1	90.7	12			369.67
8	2	88	12	1322		693.22
9	3	78.4	12	1859	1698	501.9
10	1	56.6	12			39.7
11	1	98.2	12			225.04
12	3	93.9	12	1553	1083	296.04
13	2	73.4	12	1344		321.07
14	2	92.6	12	1536		418.9
15	2	56.4	12	1749		125.3

Type 5 Radar Waveform_3

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	88.9	8	1596		419.227
2	2	93.8	8	1783		287.49
3	1	95.2	8			540.32
4	3	74.3	8	1630	1745	371.05
5	3	68	8	1359	1865	654.96
6	1	61.1	8			650.05
7	2	73.8	8	1696		363.53
8	2	53.2	8	1413		453.87
9	3	58.7	8	1940	1105	193.17
10	2	56.7	8	1290		301.09
11	2	55.2	8	1803		196.98
12	3	65.3	8	1362	1556	54.87
13	3	61.6	8	1554	1232	93.9
14	2	86	8	1554		371.4
15	1	51.8	8			777.4

Type 5 Radar Waveform_4

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	1	85.8	19			533.209
2	3	61.2	19	1263	1385	530.973
3	3	70	19	1113	1079	134.147
4	2	70.1	19	1820		191.76
5	2	59.9	19	1675		405.373
6	1	98.3	19			173.417
7	2	52.8	19	1010		471.23
8	3	67.1	19	1906	1669	307.153
9	1	77.6	19			293.717
10	2	69.8	19	1032		344.37
11	3	57.8	19	1731	1416	483.883
12	1	50.8	19			346.197
13	2	67.8	19	1908		639.17
14	3	80.6	19	1295	1369	361.233
15	2	66.3	19	1708		392.197
16	2	56.5	19	1935		364.5
17	3	51.1	19	1825	1365	610.433
18	3	91.4	19	1742	1544	427.367

Type 5 Radar Waveform_5

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	3	75.9	11	1735	1854	346.61
2	2	56.8	11	1692		318.86
3	1	67.9	11			785.56
4	1	52.5	11			311.24
5	2	99.9	11	1819		714.7
6	1	61.5	11			896.44
7	2	82.1	11	1510		504.58
8	2	73	11	1488		541.57
9	2	80	11	1853		474.85
10	1	88.2	11			310.74
11	2	90.6	11	1050		611.4
12	1	72.8	11			975.5

Type 5 Radar Waveform_6

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	59.5	13	1954		490
2	2	68.5	13	1631		483.601
3	3	98.4	13	1542	1697	300.562
4	2	73.8	13	1795		578.483
5	2	86.5	13	1594		8.944
6	2	59.4	13	1576		218.155
7	2	67.9	13	1006		541.516
8	3	56.1	13	1390	1360	118.817
9	1	64.4	13			157.028
10	3	65.4	13	1225	1062	299.989
11	1	70.8	13			509.041
12	1	73.7	13			310.662
13	3	90.2	13	1925	1093	202.573
14	2	83.5	13	1068		264.824
15	2	71.1	13	1763		354.345
16	2	89.4	13	1569		390.126
17	2	61.3	13	1992		141.437
18	2	69	13	1931		54.958
19	2	75.3	13	1112		425.679

Type 5 Radar Waveform_7

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	85.5	18	1339		581.484
2	2	78	18	1614		716.55
3	1	84.2	18			283.65
4	2	85.2	18	1156		48.91
5	1	96.4	18			1056.72
6	3	62	18	1887	1179	155.37
7	1	81.5	18			115.98
8	3	59.4	18	1686	1704	134.65
9	2	97.8	18	1064		146.68
10	2	63.3	18	1891		734.7

Type 5 Radar Waveform_8

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μ sec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	93.9	18	1295		335.872
2	2	68.7	18	1373		1300.047
3	3	65.7	18	1316	1754	818.203
4	2	69.6	18	1105		618.48
5	1	58.5	18			247.377
6	2	80	18	1758		998.363
7	1	92.8	18			320.48
8	2	94.8	18	1881		858.367
9	2	83.6	18	1146		836.633

Type 5 Radar Waveform_9

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	1	77.5	15			975.973
2	2	74	15	1741		974.117
3	3	67.1	15	1085	1640	270.253
4	1	63	15			783.63
5	3	79.7	15	1166	1425	983.137
6	3	71.8	15	1128	1423	614.543
7	2	84.2	15	1360		769.32
8	3	53.8	15	1826	1648	414.487
9	2	83.6	15	1845		542.533

Type 5 Radar Waveform_10

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	52.6	10	1378		1388.08
2	3	60.7	10	1500	1937	937.36
3	2	61.8	10	1769		1242.79
4	2	92.9	10	1986		1098.05
5	2	85.4	10	1636		862.3
6	2	64.5	10	1553		1349.55
7	2	97.9	10	1164		537.09
8	1	70.7	10			356.6

Type 5 Radar Waveform_11

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	3	61	6	1271	1346	232.765
2	2	98.3	6	1304		841.557
3	2	80.1	6	1142		1041.883
4	2	79	6	1558		257.42
5	1	58.1	6			1139.757
6	1	93.8	6			231.953
7	1	70	6			1255.76
8	2	97.4	6	1830		492.567
9	3	78.6	6	1080	1999	1179.733

Type 5 Radar Waveform_12

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	3	83.8	10	1031	1321	375.66
2	2	61.6	10	1972		1168.21
3	1	75.4	10			960.8
4	2	95	10	1257		768.86
5	2	71.7	10	1866		1154.97
6	3	88.8	10	1955	1250	325.64
7	2	63.9	10	1319		783.83
8	1	74.5	10			1000.55
9	3	84.4	10	1295	1925	1074
10	2	81.1	10	1963		315.8

Type 5 Radar Waveform_13

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	53.8	14	1962		656.579
2	1	50.6	14			695.89
3	2	94.5	14	1429		276.4
4	1	90.4	14			772.17
5	2	86.2	14	1353		646.66
6	2	86.5	14	1233		934.79
7	3	93.2	14	1699	1813	195.3
8	2	56.2	14	1197		261.23
9	2	50.7	14	1556		680.94
10	1	97.7	14			336.19
11	2	61.5	14	1863		981.7
12	2	61.8	14	1052		139.7

Type 5 Radar Waveform_14

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	1	75.3	9			790.263
2	2	74.5	9	1006		631.563
3	2	91.7	9	1939		402.246
4	2	78.7	9	1624		9.069
5	2	58.5	9	1848		215.132
6	2	71.3	9	1486		683.885
7	2	50.9	9	1153		241.418
8	1	69.3	9			420.372
9	2	98.8	9	1662		20.605
10	1	50.8	9			636.308
11	2	83.2	9	1102		158.651
12	2	69.1	9	1631		608.954
13	2	98	9	1031		817.677

Type 5 Radar Waveform_15

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	66.9	9	1404		58.748
2	1	67.5	9			535.888
3	2	73.4	9	1557		133.585
4	1	63.9	9			205.253
5	2	51.7	9	1653		45.651
6	2	61.3	9	1538		108.708
7	2	53.7	9	1835		308.436
8	2	62.9	9	1590		630.674
9	3	63.3	9	1637	1065	278.231
10	2	57.4	9	1643		573.379
11	1	74.6	9			132.186
12	2	72.2	9	1956		282.724
13	1	50.4	9			121.682
14	3	61.2	9	1855	1456	422.129
15	3	92.2	9	1039	1857	23.667
16	2	51.3	9	1944		413.765
17	2	65.6	9	1251		424.982

Type 5 Radar Waveform_16

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	95.5	11	1947		466.245
2	2	60.7	11	1126		359.941
3	2	88.6	11	1503		1010.202
4	2	61.2	11	1900		98.423
5	3	79.7	11	1462	1564	869.634
6	2	51.1	11	1515		135.185
7	3	96.8	11	1311	1290	633.445
8	3	60.2	11	1729	1833	491.156
9	1	64.4	11			760.177
10	2	77.5	11	1602		666.018
11	3	79.6	11	1904	1156	12.609

Type 5 Radar Waveform_17

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	3	84.1	6	1607	1753	459.898
2	3	73.7	6	1539	1485	529.131
3	3	93.7	6	1945	1687	990.892
4	2	50.6	6	1740		747.523
5	3	95.8	6	1322	1711	739.084
6	2	56.1	6	1399		338.645
7	2	75.8	6	1127		232.615
8	1	81.6	6			643.916
9	3	74.9	6	1236	1921	35.067
10	3	97.3	6	1443	1703	692.018
11	2	54	6	1389		256.109

Type 5 Radar Waveform_18

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	1	74.5	6			553.936
2	1	84.8	6			360.737
3	2	66.8	6	1547		186.024
4	2	90.2	6	1885		96.271
5	2	62.7	6	1793		17.599
6	2	98.4	6	1623		378.956
7	3	69.2	6	1040	1800	282.893
8	3	64	6	1674	1399	592.13
9	1	75.8	6			783.187
10	2	76.8	6	1791		524.534
11	3	98.6	6	1502	1444	73.781
12	2	88.9	6	1800		278.379
13	2	98.8	6	1225		660.086
14	3	56.4	6	1490	1348	30.743

Type 5 Radar Waveform_19

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	76.9	15	1009		534.091
2	3	70	15	1351	1963	491.628
3	3	93.2	15	1930	1876	42.995
4	3	65.6	15	1891	1403	468.733
5	2	79.8	15	1358		609.651
6	2	93.3	15	1351		664.608
7	2	76.8	15	1255		607.706
8	3	83.4	15	1602	1121	507.404
9	1	91.3	15			393.331
10	1	62.5	15			560.899
11	1	60.7	15			538.306
12	2	65.1	15	1396		550.884
13	1	65.4	15			194.852
14	1	97	15			367.459
15	3	81.5	15	1116	1891	688.147
16	2	97.8	15	1209		171.865
17	2	66.1	15	1959		431.382

Type 5 Radar Waveform_20

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	1	60.6	13			276.059
2	1	92.8	13			446.508
3	1	81.5	13			445.155
4	3	71.6	13	1388	1947	305.043
5	2	75.5	13	1972		199.071
6	2	66.6	13	1034		255.938
7	2	95.6	13	1407		374.896
8	3	96.9	13	1526	1837	566.704
9	1	68.7	13			180.621
10	3	79.4	13	1540	1770	232.769
11	2	84	13	1953		60.346
12	3	84.5	13	1816	1317	187.214
13	2	70.8	13	1603		19.802
14	2	66.8	13	1882		410.899
15	2	58.8	13	1315		395.847
16	1	97.8	13			87.365
17	3	53.2	13	1130	1980	117.382

Type 5 Radar Waveform_21

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	65.3	12	1230		580.704
2	2	62.2	12	1716		866.25
3	2	80.1	12	1110		1028.14
4	2	86.1	12	1834		176.5
5	3	59.2	12	1855	1719	1313.61
6	2	69.3	12	1987		35.13
7	2	78.9	12	1626		1492.8
8	1	66.1	12			695.8

Type 5 Radar Waveform_22

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	3	52.3	6	1155	1997	633.843
2	1	63.6	6			177.26
3	2	59.3	6	1353		98.68
4	1	73.2	6			640.6
5	1	83.4	6			715
6	2	67.8	6	1006		565.43
7	2	72.9	6	1030		201.79
8	3	94.6	6	1502	1442	576.69
9	2	97	6	1371		196.04
10	1	50.9	6			836
11	2	93.9	6	1146		941.6
12	2	60	6	1835		179.4

Type 5 Radar Waveform_23

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	3	92.8	10	1537	1111	654.246
2	2	53.5	10	1020		766.983
3	2	99.7	10	1813		272.366
4	2	51	10	1206		578.409
5	2	75.9	10	1125		898.862
6	2	94.4	10	1686		107.725
7	3	51.2	10	1242	1685	205.078
8	1	81.9	10			449.152
9	2	83	10	1487		192.555
10	3	60.6	10	1741	1276	53.518
11	2	86.1	10	1770		619.151
12	2	56.3	10	1948		701.654
13	1	61.5	10			538.077

Type 5 Radar Waveform_24

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	1	82.5	20			674.977
2	1	99.1	20			312.707
3	3	85.5	20	1884	1971	632.194
4	3	76.4	20	1338	1463	86.121
5	2	77.3	20	1367		825.679
6	2	88.7	20	1663		49.796
7	1	91.1	20			83.303
8	1	95.1	20			392.44
9	1	98.2	20			102.287
10	3	70.8	20	1323	1054	283.354
11	1	50.2	20			681.481
12	2	96	20	1299		330.139
13	2	59.5	20	1309		584.186
14	2	75.5	20	1871		778.443

Type 5 Radar Waveform_25

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	95.3	20	1044		1017.74
2	2	61.1	20	1174		449.7
3	3	84.3	20	1678	1654	535.25
4	2	69.8	20	1293		955
5	2	99.2	20	1725		620.52
6	1	51.9	20			467.77
7	1	83.1	20			773.97
8	2	55.1	20	1976		369.72
9	1	63.7	20			922.8
10	2	75.1	20	1550		16.4

Type 5 Radar Waveform_26

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	1	65	17			180.737
2	3	66.1	17	1716	1238	881.783
3	2	88.4	17	1987		611.646
4	3	69.4	17	1616	1946	45.199
5	1	50.6	17			442.742
6	3	88	17	1147	1138	813.475
7	3	68.7	17	1883	1801	518.078
8	2	87.4	17	1200		339.902
9	2	67.8	17	1623		531.655
10	1	75.9	17			472.308
11	2	97.8	17	1667		319.081
12	1	89.3	17			281.654
13	2	74.7	17	1685		510.577

Type 5 Radar Waveform_27

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	61.5	5	1591		64.93
2	3	79.9	5	1934	1344	551.22
3	1	65.1	5			142.38
4	3	88.2	5	1383	1253	433.17
5	3	94.2	5	1232	1599	322.34
6	3	64.3	5	1065	1733	674.48
7	2	59.5	5	1328		0.91
8	1	58.1	5			277.44
9	3	54	5	1187	1732	405.89
10	1	65.4	5			646.69
11	2	65.7	5	1055		363.94
12	2	59.3	5	1733		517.26
13	3	74	5	1423	1364	466.66
14	2	71.4	5	1238		328.2
15	3	98.5	5	1894	1307	704.7
16	2	94.7	5	1643		371.7

Type 5 Radar Waveform_28

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	84.6	16	1133		732.643
2	2	98.6	16	1648		279.86
3	3	94.6	16	1415	1540	88.13
4	3	90.3	16	1592	1418	42.67
5	1	54.9	16			222.1
6	1	70.5	16			118.69
7	2	76	16	1800		94.37
8	2	70.3	16	1688		388.56
9	1	56.5	16			399.87
10	3	91.8	16	1233	1997	41.15
11	1	88.9	16			491.03
12	3	89.4	16	1875	1408	243.1
13	2	99.9	16	1923		714.52
14	1	91.2	16			664.2
15	2	87	16	1206		136.7
16	1	65.2	16			490.2

Type 5 Radar Waveform_29

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	3	64.9	8	1021	1311	410.31
2	3	87	8	1622	1052	195.244
3	2	68.7	8	1953		129.52
4	3	62.1	8	1586	1949	196.32
5	2	93.1	8	1999		212.8
6	2	51	8	1096		88.01
7	3	51.6	8	1958	1152	8.24
8	1	61.4	8			180.87
9	2	85.5	8	1358		285.72
10	2	54.1	8	1976		114.93
11	3	65.4	8	1305	1297	69.75
12	2	51.3	8	1771		31.04
13	2	80.2	8	1429		14.01
14	1	54	8			505.15
15	3	98.3	8	1558	1286	89.37
16	1	62.4	8			85.72
17	1	61.1	8			572.2
18	2	57.9	8	1927		569.3
19	3	63.7	8	1207	1377	190.8
20	2	91.1	8	1887		581.7

Type 5 Radar Waveform_30

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	80	7	1453		516.663
2	2	96.5	7	1752		269.817
3	2	77.9	7	1656		388.234
4	2	99.2	7	1041		522.441
5	2	50.2	7	1749		482.389
6	2	86.3	7	1226		502.766
7	3	77.9	7	1223	1682	401.263
8	2	84	7	1933		709.97
9	3	59.5	7	1656	1192	230.197
10	3	52.9	7	1748	1671	18.384
11	1	72.8	7			833.131
12	3	90	7	1772	1930	842.629
13	3	72.4	7	1776	1718	664.986
14	1	93.3	7			37.343

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	5.57	5.526	160	*
10	5.57	5.578	160	*
13	5.57	5.617	160	*
14	5.57	5.503	160	*
15	5.57	5.553	160	*
19	5.57	5.515	160	*
25	5.57	5.558	160	*
27	5.57	5.573	160	*
32	5.57	5.595	160	*
35	5.57	5.549	160	*
39	5.57	5.645	160	*
41	5.57	5.579	160	*
43	5.57	5.532	160	*
47	5.57	5.565	160	*
49	5.57	5.528	160	*
50	5.57	5.551	160	*
52	5.57	5.583	160	*
54	5.57	5.524	160	*
56	5.57	5.533	160	*
57	5.57	5.62	160	*
64	5.57	5.562	160	*
66	5.57	5.513	160	*
72	5.57	5.548	160	*
73	5.57	5.593	160	*
75	5.57	5.517	160	*
77	5.57	5.537	160	*
82	5.57	5.492	160	*
84	5.57	5.577	160	*
87	5.57	5.644	160	*
90	5.57	5.572	160	*
96	5.57	5.609	160	*
97	5.57	5.539	160	*
98	5.57	5.614	160	*
100	5.57	5.491	160	*

Type 6 Radar Waveform_2

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.57	5.634	160	*
4	5.57	5.577	160	*
12	5.57	5.568	160	*
16	5.57	5.631	160	*
20	5.57	5.627	160	*
25	5.57	5.544	160	*
26	5.57	5.649	160	*
27	5.57	5.512	160	*
28	5.57	5.608	160	*
29	5.57	5.559	160	*
30	5.57	5.593	160	*
33	5.57	5.562	160	*
35	5.57	5.502	160	*
42	5.57	5.585	160	*
43	5.57	5.618	160	*
45	5.57	5.533	160	*
46	5.57	5.606	160	*
47	5.57	5.549	160	*
48	5.57	5.648	160	*
49	5.57	5.521	160	*
51	5.57	5.526	160	*
57	5.57	5.492	160	*
61	5.57	5.615	160	*
72	5.57	5.622	160	*
75	5.57	5.518	160	*
82	5.57	5.611	160	*
87	5.57	5.553	160	*
92	5.57	5.644	160	*
96	5.57	5.597	160	*
97	5.57	5.555	160	*
100	5.57	5.508	160	*

Type 6 Radar Waveform_3

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.57	5.608	160	*
2	5.57	5.551	160	*
7	5.57	5.611	160	*
10	5.57	5.557	160	*
11	5.57	5.535	160	*
14	5.57	5.571	160	*
16	5.57	5.624	160	*
22	5.57	5.578	160	*
25	5.57	5.518	160	*
28	5.57	5.607	160	*
29	5.57	5.595	160	*
31	5.57	5.506	160	*
33	5.57	5.575	160	*
39	5.57	5.57	160	*
40	5.57	5.552	160	*
42	5.57	5.538	160	*
43	5.57	5.524	160	*
44	5.57	5.505	160	*
45	5.57	5.641	160	*
46	5.57	5.516	160	*
48	5.57	5.495	160	*
51	5.57	5.617	160	*
52	5.57	5.548	160	*
56	5.57	5.645	160	*
62	5.57	5.494	160	*
65	5.57	5.572	160	*
68	5.57	5.52	160	*
69	5.57	5.582	160	*
70	5.57	5.638	160	*
75	5.57	5.515	160	*
77	5.57	5.623	160	*
80	5.57	5.532	160	*
81	5.57	5.546	160	*
83	5.57	5.619	160	*
87	5.57	5.492	160	*
90	5.57	5.519	160	*
95	5.57	5.64	160	*
96	5.57	5.591	160	*

Type 6 Radar Waveform_4				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.57	5.581	160	*
7	5.57	5.568	160	*
9	5.57	5.566	160	*
12	5.57	5.582	160	*
13	5.57	5.587	160	*
14	5.57	5.516	160	*
17	5.57	5.62	160	*
18	5.57	5.579	160	*
19	5.57	5.645	160	*
23	5.57	5.63	160	*
25	5.57	5.61	160	*
27	5.57	5.54	160	*
32	5.57	5.525	160	*
38	5.57	5.537	160	*
48	5.57	5.584	160	*
50	5.57	5.551	160	*
55	5.57	5.559	160	*
56	5.57	5.548	160	*
57	5.57	5.532	160	*
59	5.57	5.561	160	*
65	5.57	5.529	160	*
70	5.57	5.498	160	*
73	5.57	5.553	160	*
74	5.57	5.609	160	*
80	5.57	5.504	160	*
86	5.57	5.602	160	*
87	5.57	5.608	160	*
88	5.57	5.614	160	*
90	5.57	5.51	160	*
93	5.57	5.522	160	*
96	5.57	5.639	160	*
99	5.57	5.494	160	*

Type 6 Radar Waveform_5

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.57	5.593	160	*
7	5.57	5.639	160	*
8	5.57	5.608	160	*
12	5.57	5.632	160	*
14	5.57	5.584	160	*
15	5.57	5.542	160	*
22	5.57	5.615	160	*
28	5.57	5.505	160	*
30	5.57	5.589	160	*
31	5.57	5.622	160	*
36	5.57	5.491	160	*
37	5.57	5.515	160	*
39	5.57	5.522	160	*
40	5.57	5.638	160	*
41	5.57	5.554	160	*
44	5.57	5.533	160	*
46	5.57	5.573	160	*
47	5.57	5.637	160	*
50	5.57	5.6	160	*
52	5.57	5.532	160	*
56	5.57	5.648	160	*
59	5.57	5.644	160	*
61	5.57	5.493	160	*
62	5.57	5.649	160	*
64	5.57	5.506	160	*
68	5.57	5.606	160	*
70	5.57	5.492	160	*
73	5.57	5.537	160	*
74	5.57	5.525	160	*
76	5.57	5.625	160	*
77	5.57	5.54	160	*
82	5.57	5.524	160	*
85	5.57	5.585	160	*
87	5.57	5.595	160	*
96	5.57	5.49	160	*
98	5.57	5.556	160	*

Type 6 Radar Waveform_6

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.57	5.641	160	*
6	5.57	5.593	160	*
7	5.57	5.553	160	*
18	5.57	5.523	160	*
22	5.57	5.608	160	*
25	5.57	5.609	160	*
26	5.57	5.498	160	*
27	5.57	5.632	160	*
30	5.57	5.561	160	*
35	5.57	5.524	160	*
38	5.57	5.521	160	*
45	5.57	5.586	160	*
46	5.57	5.55	160	*
49	5.57	5.536	160	*
50	5.57	5.611	160	*
52	5.57	5.539	160	*
58	5.57	5.507	160	*
60	5.57	5.529	160	*
62	5.57	5.612	160	*
64	5.57	5.574	160	*
65	5.57	5.569	160	*
66	5.57	5.592	160	*
67	5.57	5.5	160	*
68	5.57	5.505	160	*
71	5.57	5.602	160	*
77	5.57	5.594	160	*
78	5.57	5.522	160	*
85	5.57	5.588	160	*
88	5.57	5.499	160	*
89	5.57	5.562	160	*
90	5.57	5.565	160	*
91	5.57	5.49	160	*

Type 6 Radar Waveform_7

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.57	5.54	160	*
6	5.57	5.491	160	*
9	5.57	5.619	160	*
13	5.57	5.516	160	*
14	5.57	5.503	160	*
15	5.57	5.51	160	*
18	5.57	5.566	160	*
19	5.57	5.542	160	*
23	5.57	5.63	160	*
27	5.57	5.607	160	*
32	5.57	5.644	160	*
36	5.57	5.61	160	*
40	5.57	5.499	160	*
45	5.57	5.642	160	*
52	5.57	5.529	160	*
59	5.57	5.552	160	*
67	5.57	5.605	160	*
73	5.57	5.593	160	*
82	5.57	5.563	160	*
83	5.57	5.495	160	*
84	5.57	5.52	160	*
87	5.57	5.525	160	*
88	5.57	5.504	160	*
92	5.57	5.559	160	*
94	5.57	5.55	160	*
96	5.57	5.545	160	*

Type 6 Radar Waveform_8

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.57	5.637	160	*
4	5.57	5.589	160	*
11	5.57	5.613	160	*
25	5.57	5.567	160	*
28	5.57	5.631	160	*
30	5.57	5.527	160	*
31	5.57	5.58	160	*
36	5.57	5.614	160	*
40	5.57	5.519	160	*
42	5.57	5.618	160	*
44	5.57	5.524	160	*
45	5.57	5.503	160	*
46	5.57	5.51	160	*
48	5.57	5.552	160	*
49	5.57	5.608	160	*
52	5.57	5.549	160	*
53	5.57	5.505	160	*
54	5.57	5.623	160	*
60	5.57	5.598	160	*
63	5.57	5.522	160	*
65	5.57	5.596	160	*
71	5.57	5.539	160	*
73	5.57	5.616	160	*
75	5.57	5.516	160	*
76	5.57	5.632	160	*
86	5.57	5.65	160	*
87	5.57	5.517	160	*
90	5.57	5.635	160	*
96	5.57	5.507	160	*
99	5.57	5.492	160	*
100	5.57	5.548	160	*

Type 6 Radar Waveform_9

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.57	5.528	160	*
4	5.57	5.6	160	*
10	5.57	5.641	160	*
11	5.57	5.618	160	*
12	5.57	5.645	160	*
14	5.57	5.599	160	*
16	5.57	5.511	160	*
20	5.57	5.581	160	*
22	5.57	5.553	160	*
24	5.57	5.565	160	*
28	5.57	5.612	160	*
30	5.57	5.562	160	*
32	5.57	5.547	160	*
34	5.57	5.564	160	*
37	5.57	5.535	160	*
48	5.57	5.557	160	*
49	5.57	5.633	160	*
57	5.57	5.643	160	*
58	5.57	5.636	160	*
60	5.57	5.567	160	*
61	5.57	5.497	160	*
63	5.57	5.517	160	*
65	5.57	5.606	160	*
70	5.57	5.598	160	*
73	5.57	5.504	160	*
74	5.57	5.558	160	*
76	5.57	5.53	160	*
77	5.57	5.627	160	*
80	5.57	5.569	160	*
84	5.57	5.545	160	*
87	5.57	5.595	160	*
89	5.57	5.523	160	*
91	5.57	5.623	160	*
94	5.57	5.515	160	*

Type 6 Radar Waveform_10

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.57	5.631	160	*
4	5.57	5.531	160	*
5	5.57	5.576	160	*
10	5.57	5.62	160	*
12	5.57	5.547	160	*
14	5.57	5.577	160	*
15	5.57	5.594	160	*
16	5.57	5.499	160	*
26	5.57	5.593	160	*
30	5.57	5.564	160	*
32	5.57	5.574	160	*
33	5.57	5.592	160	*
37	5.57	5.615	160	*
39	5.57	5.598	160	*
41	5.57	5.612	160	*
42	5.57	5.587	160	*
47	5.57	5.591	160	*
48	5.57	5.627	160	*
59	5.57	5.607	160	*
63	5.57	5.578	160	*
64	5.57	5.563	160	*
66	5.57	5.609	160	*
67	5.57	5.521	160	*
74	5.57	5.6	160	*
76	5.57	5.502	160	*
77	5.57	5.526	160	*
78	5.57	5.616	160	*
79	5.57	5.579	160	*
80	5.57	5.645	160	*
81	5.57	5.569	160	*
86	5.57	5.561	160	*
88	5.57	5.621	160	*
91	5.57	5.619	160	*
92	5.57	5.644	160	*
93	5.57	5.535	160	*
95	5.57	5.536	160	*
97	5.57	5.643	160	*

Type 6 Radar Waveform_11

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.57	5.522	160	*
5	5.57	5.573	160	*
6	5.57	5.556	160	*
7	5.57	5.589	160	*
11	5.57	5.546	160	*
12	5.57	5.513	160	*
13	5.57	5.644	160	*
19	5.57	5.491	160	*
25	5.57	5.599	160	*
27	5.57	5.594	160	*
29	5.57	5.509	160	*
30	5.57	5.611	160	*
35	5.57	5.575	160	*
36	5.57	5.643	160	*
43	5.57	5.52	160	*
44	5.57	5.601	160	*
47	5.57	5.592	160	*
49	5.57	5.557	160	*
50	5.57	5.562	160	*
67	5.57	5.57	160	*
71	5.57	5.602	160	*
77	5.57	5.512	160	*
79	5.57	5.498	160	*
89	5.57	5.642	160	*
92	5.57	5.638	160	*
94	5.57	5.648	160	*
96	5.57	5.56	160	*
100	5.57	5.603	160	*

Type 6 Radar Waveform_12

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.57	5.492	160	*
4	5.57	5.635	160	*
5	5.57	5.581	160	*
7	5.57	5.617	160	*
18	5.57	5.619	160	*
19	5.57	5.534	160	*
23	5.57	5.541	160	*
24	5.57	5.63	160	*
25	5.57	5.614	160	*
31	5.57	5.592	160	*
33	5.57	5.552	160	*
36	5.57	5.548	160	*
40	5.57	5.544	160	*
42	5.57	5.495	160	*
45	5.57	5.607	160	*
47	5.57	5.509	160	*
50	5.57	5.629	160	*
54	5.57	5.585	160	*
55	5.57	5.533	160	*
56	5.57	5.586	160	*
58	5.57	5.503	160	*
59	5.57	5.589	160	*
60	5.57	5.58	160	*
61	5.57	5.649	160	*
63	5.57	5.506	160	*
66	5.57	5.573	160	*
68	5.57	5.53	160	*
78	5.57	5.62	160	*
83	5.57	5.627	160	*
84	5.57	5.523	160	*
88	5.57	5.595	160	*
93	5.57	5.527	160	*

Type 6 Radar Waveform_13

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.57	5.513	160	*
6	5.57	5.647	160	*
11	5.57	5.646	160	*
12	5.57	5.527	160	*
13	5.57	5.549	160	*
14	5.57	5.641	160	*
15	5.57	5.648	160	*
16	5.57	5.611	160	*
28	5.57	5.579	160	*
29	5.57	5.545	160	*
30	5.57	5.64	160	*
33	5.57	5.622	160	*
34	5.57	5.601	160	*
36	5.57	5.572	160	*
37	5.57	5.535	160	*
39	5.57	5.552	160	*
44	5.57	5.608	160	*
47	5.57	5.516	160	*
48	5.57	5.649	160	*
51	5.57	5.51	160	*
53	5.57	5.594	160	*
65	5.57	5.596	160	*
75	5.57	5.565	160	*
79	5.57	5.568	160	*
81	5.57	5.54	160	*
85	5.57	5.518	160	*
86	5.57	5.613	160	*
87	5.57	5.519	160	*
88	5.57	5.561	160	*
94	5.57	5.569	160	*
96	5.57	5.492	160	*

Type 6 Radar Waveform_14

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.57	5.579	160	*
9	5.57	5.55	160	*
13	5.57	5.555	160	*
16	5.57	5.597	160	*
17	5.57	5.516	160	*
18	5.57	5.614	160	*
19	5.57	5.533	160	*
20	5.57	5.507	160	*
21	5.57	5.643	160	*
23	5.57	5.586	160	*
24	5.57	5.607	160	*
25	5.57	5.645	160	*
28	5.57	5.548	160	*
29	5.57	5.582	160	*
30	5.57	5.641	160	*
38	5.57	5.634	160	*
40	5.57	5.626	160	*
43	5.57	5.563	160	*
49	5.57	5.5	160	*
50	5.57	5.514	160	*
54	5.57	5.551	160	*
55	5.57	5.644	160	*
56	5.57	5.608	160	*
58	5.57	5.496	160	*
63	5.57	5.59	160	*
66	5.57	5.61	160	*
67	5.57	5.617	160	*
70	5.57	5.556	160	*
74	5.57	5.599	160	*
75	5.57	5.605	160	*
77	5.57	5.642	160	*
79	5.57	5.562	160	*
82	5.57	5.629	160	*
86	5.57	5.546	160	*
93	5.57	5.596	160	*
100	5.57	5.591	160	*

Type 6 Radar Waveform_15				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.57	5.524	160	*
3	5.57	5.65	160	*
11	5.57	5.505	160	*
18	5.57	5.63	160	*
21	5.57	5.499	160	*
23	5.57	5.512	160	*
26	5.57	5.571	160	*
28	5.57	5.532	160	*
30	5.57	5.642	160	*
37	5.57	5.529	160	*
38	5.57	5.508	160	*
42	5.57	5.61	160	*
43	5.57	5.637	160	*
47	5.57	5.522	160	*
49	5.57	5.521	160	*
50	5.57	5.631	160	*
57	5.57	5.527	160	*
59	5.57	5.606	160	*
64	5.57	5.579	160	*
66	5.57	5.492	160	*
72	5.57	5.644	160	*
73	5.57	5.577	160	*
75	5.57	5.504	160	*
79	5.57	5.629	160	*
85	5.57	5.583	160	*
90	5.57	5.543	160	*
91	5.57	5.638	160	*
93	5.57	5.544	160	*
94	5.57	5.568	160	*
98	5.57	5.506	160	*
99	5.57	5.563	160	*
100	5.57	5.574	160	*

Type 6 Radar Waveform_16				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.57	5.567	160	*
5	5.57	5.601	160	*
9	5.57	5.521	160	*
11	5.57	5.583	160	*
15	5.57	5.582	160	*
20	5.57	5.562	160	*
23	5.57	5.523	160	*
26	5.57	5.553	160	*
27	5.57	5.539	160	*
28	5.57	5.526	160	*
32	5.57	5.56	160	*
33	5.57	5.588	160	*
35	5.57	5.578	160	*
37	5.57	5.524	160	*
38	5.57	5.618	160	*
39	5.57	5.544	160	*
43	5.57	5.61	160	*
49	5.57	5.644	160	*
52	5.57	5.498	160	*
55	5.57	5.581	160	*
59	5.57	5.589	160	*
66	5.57	5.6	160	*
74	5.57	5.561	160	*
75	5.57	5.57	160	*
77	5.57	5.575	160	*
79	5.57	5.613	160	*
81	5.57	5.512	160	*
82	5.57	5.619	160	*
86	5.57	5.645	160	*
88	5.57	5.546	160	*
90	5.57	5.536	160	*
95	5.57	5.496	160	*
98	5.57	5.635	160	*
99	5.57	5.642	160	*
100	5.57	5.549	160	*

Type 6 Radar Waveform_17

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.57	5.506	160	*
5	5.57	5.642	160	*
11	5.57	5.565	160	*
12	5.57	5.634	160	*
13	5.57	5.558	160	*
14	5.57	5.505	160	*
16	5.57	5.518	160	*
17	5.57	5.601	160	*
22	5.57	5.584	160	*
25	5.57	5.588	160	*
27	5.57	5.567	160	*
31	5.57	5.537	160	*
32	5.57	5.641	160	*
33	5.57	5.598	160	*
37	5.57	5.503	160	*
39	5.57	5.556	160	*
41	5.57	5.536	160	*
42	5.57	5.55	160	*
46	5.57	5.528	160	*
50	5.57	5.599	160	*
52	5.57	5.624	160	*
56	5.57	5.603	160	*
58	5.57	5.637	160	*
59	5.57	5.626	160	*
62	5.57	5.56	160	*
68	5.57	5.508	160	*
72	5.57	5.644	160	*
74	5.57	5.544	160	*
76	5.57	5.608	160	*
77	5.57	5.571	160	*
79	5.57	5.57	160	*
82	5.57	5.551	160	*
83	5.57	5.545	160	*
84	5.57	5.618	160	*
89	5.57	5.581	160	*
90	5.57	5.606	160	*
92	5.57	5.585	160	*
97	5.57	5.579	160	*
98	5.57	5.566	160	*
100	5.57	5.509	160	*

Type 6 Radar Waveform_18				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.57	5.552	160	*
5	5.57	5.534	160	*
7	5.57	5.645	160	*
13	5.57	5.506	160	*
18	5.57	5.632	160	*
19	5.57	5.539	160	*
20	5.57	5.639	160	*
22	5.57	5.504	160	*
26	5.57	5.605	160	*
29	5.57	5.573	160	*
33	5.57	5.613	160	*
34	5.57	5.527	160	*
36	5.57	5.644	160	*
37	5.57	5.595	160	*
38	5.57	5.57	160	*
39	5.57	5.584	160	*
45	5.57	5.586	160	*
47	5.57	5.537	160	*
48	5.57	5.646	160	*
49	5.57	5.579	160	*
50	5.57	5.562	160	*
55	5.57	5.62	160	*
58	5.57	5.507	160	*
59	5.57	5.503	160	*
65	5.57	5.502	160	*
73	5.57	5.599	160	*
76	5.57	5.51	160	*
77	5.57	5.557	160	*
82	5.57	5.56	160	*
90	5.57	5.508	160	*
95	5.57	5.641	160	*
97	5.57	5.575	160	*
98	5.57	5.588	160	*
99	5.57	5.571	160	*
100	5.57	5.563	160	*

Type 6 Radar Waveform_19

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.57	5.646	160	*
6	5.57	5.596	160	*
13	5.57	5.579	160	*
14	5.57	5.534	160	*
15	5.57	5.629	160	*
22	5.57	5.627	160	*
23	5.57	5.56	160	*
27	5.57	5.6	160	*
28	5.57	5.541	160	*
29	5.57	5.505	160	*
30	5.57	5.49	160	*
37	5.57	5.65	160	*
48	5.57	5.593	160	*
54	5.57	5.594	160	*
55	5.57	5.602	160	*
56	5.57	5.592	160	*
60	5.57	5.551	160	*
64	5.57	5.526	160	*
65	5.57	5.548	160	*
66	5.57	5.603	160	*
67	5.57	5.64	160	*
68	5.57	5.632	160	*
69	5.57	5.636	160	*
70	5.57	5.587	160	*
71	5.57	5.515	160	*
73	5.57	5.503	160	*
78	5.57	5.497	160	*
79	5.57	5.492	160	*
80	5.57	5.509	160	*
83	5.57	5.506	160	*
84	5.57	5.61	160	*
86	5.57	5.519	160	*
87	5.57	5.606	160	*
88	5.57	5.645	160	*
90	5.57	5.563	160	*
99	5.57	5.614	160	*
100	5.57	5.648	160	*

Type 6 Radar Waveform_20

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.57	5.512	160	*
7	5.57	5.499	160	*
11	5.57	5.602	160	*
15	5.57	5.536	160	*
16	5.57	5.511	160	*
17	5.57	5.608	160	*
18	5.57	5.599	160	*
25	5.57	5.518	160	*
27	5.57	5.548	160	*
47	5.57	5.491	160	*
51	5.57	5.615	160	*
56	5.57	5.634	160	*
57	5.57	5.543	160	*
60	5.57	5.617	160	*
64	5.57	5.645	160	*
69	5.57	5.598	160	*
73	5.57	5.64	160	*
76	5.57	5.526	160	*
79	5.57	5.544	160	*
85	5.57	5.641	160	*
86	5.57	5.519	160	*
88	5.57	5.574	160	*
94	5.57	5.554	160	*
95	5.57	5.504	160	*
96	5.57	5.532	160	*
98	5.57	5.541	160	*
99	5.57	5.578	160	*

Type 6 Radar Waveform_21

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.57	5.506	160	*
6	5.57	5.583	160	*
8	5.57	5.587	160	*
9	5.57	5.598	160	*
15	5.57	5.575	160	*
18	5.57	5.557	160	*
19	5.57	5.644	160	*
22	5.57	5.632	160	*
27	5.57	5.647	160	*
31	5.57	5.554	160	*
35	5.57	5.534	160	*
47	5.57	5.544	160	*
48	5.57	5.633	160	*
50	5.57	5.562	160	*
55	5.57	5.517	160	*
60	5.57	5.611	160	*
62	5.57	5.528	160	*
63	5.57	5.616	160	*
65	5.57	5.605	160	*
66	5.57	5.549	160	*
70	5.57	5.624	160	*
72	5.57	5.566	160	*
75	5.57	5.533	160	*
76	5.57	5.531	160	*
78	5.57	5.603	160	*
86	5.57	5.579	160	*
88	5.57	5.527	160	*
90	5.57	5.623	160	*
92	5.57	5.536	160	*
97	5.57	5.621	160	*
98	5.57	5.495	160	*
100	5.57	5.55	160	*

Type 6 Radar Waveform_22

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.57	5.585	160	*
8	5.57	5.648	160	*
9	5.57	5.496	160	*
10	5.57	5.522	160	*
14	5.57	5.578	160	*
16	5.57	5.627	160	*
17	5.57	5.611	160	*
23	5.57	5.636	160	*
25	5.57	5.564	160	*
28	5.57	5.588	160	*
30	5.57	5.502	160	*
35	5.57	5.635	160	*
41	5.57	5.629	160	*
42	5.57	5.602	160	*
44	5.57	5.506	160	*
45	5.57	5.551	160	*
54	5.57	5.541	160	*
57	5.57	5.542	160	*
58	5.57	5.584	160	*
61	5.57	5.599	160	*
62	5.57	5.548	160	*
65	5.57	5.633	160	*
66	5.57	5.577	160	*
69	5.57	5.558	160	*
72	5.57	5.647	160	*
74	5.57	5.641	160	*
75	5.57	5.546	160	*
77	5.57	5.613	160	*
80	5.57	5.566	160	*
83	5.57	5.498	160	*
91	5.57	5.499	160	*
93	5.57	5.534	160	*
97	5.57	5.547	160	*
98	5.57	5.543	160	*

Type 6 Radar Waveform_23

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.57	5.491	160	*
7	5.57	5.604	160	*
9	5.57	5.601	160	*
11	5.57	5.649	160	*
14	5.57	5.518	160	*
15	5.57	5.627	160	*
17	5.57	5.496	160	*
22	5.57	5.59	160	*
23	5.57	5.643	160	*
26	5.57	5.494	160	*
28	5.57	5.598	160	*
29	5.57	5.624	160	*
30	5.57	5.511	160	*
33	5.57	5.53	160	*
34	5.57	5.593	160	*
35	5.57	5.56	160	*
45	5.57	5.635	160	*
49	5.57	5.618	160	*
50	5.57	5.522	160	*
53	5.57	5.541	160	*
57	5.57	5.509	160	*
58	5.57	5.536	160	*
59	5.57	5.617	160	*
61	5.57	5.519	160	*
67	5.57	5.586	160	*
69	5.57	5.605	160	*
71	5.57	5.646	160	*
74	5.57	5.512	160	*
76	5.57	5.561	160	*
78	5.57	5.573	160	*
79	5.57	5.603	160	*
81	5.57	5.579	160	*
82	5.57	5.556	160	*
85	5.57	5.62	160	*
88	5.57	5.567	160	*
94	5.57	5.634	160	*
95	5.57	5.517	160	*
97	5.57	5.563	160	*

Type 6 Radar Waveform_24

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
7	5.57	5.579	160	*
8	5.57	5.63	160	*
10	5.57	5.551	160	*
11	5.57	5.607	160	*
12	5.57	5.556	160	*
19	5.57	5.547	160	*
28	5.57	5.601	160	*
29	5.57	5.548	160	*
31	5.57	5.571	160	*
34	5.57	5.567	160	*
35	5.57	5.627	160	*
36	5.57	5.543	160	*
37	5.57	5.621	160	*
42	5.57	5.617	160	*
43	5.57	5.502	160	*
49	5.57	5.6	160	*
50	5.57	5.545	160	*
53	5.57	5.568	160	*
57	5.57	5.596	160	*
58	5.57	5.492	160	*
60	5.57	5.506	160	*
61	5.57	5.531	160	*
66	5.57	5.611	160	*
73	5.57	5.537	160	*
79	5.57	5.528	160	*
81	5.57	5.553	160	*
84	5.57	5.526	160	*
87	5.57	5.605	160	*
93	5.57	5.532	160	*
95	5.57	5.496	160	*
97	5.57	5.606	160	*
98	5.57	5.565	160	*

Type 6 Radar Waveform_25

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.57	5.55	160	*
6	5.57	5.498	160	*
7	5.57	5.611	160	*
8	5.57	5.608	160	*
11	5.57	5.621	160	*
15	5.57	5.529	160	*
16	5.57	5.502	160	*
23	5.57	5.574	160	*
24	5.57	5.613	160	*
29	5.57	5.522	160	*
31	5.57	5.6	160	*
32	5.57	5.628	160	*
33	5.57	5.643	160	*
35	5.57	5.579	160	*
36	5.57	5.512	160	*
45	5.57	5.582	160	*
47	5.57	5.497	160	*
51	5.57	5.495	160	*
53	5.57	5.618	160	*
60	5.57	5.531	160	*
67	5.57	5.511	160	*
69	5.57	5.584	160	*
71	5.57	5.568	160	*
72	5.57	5.519	160	*
73	5.57	5.505	160	*
80	5.57	5.528	160	*
81	5.57	5.623	160	*
83	5.57	5.625	160	*
84	5.57	5.57	160	*
86	5.57	5.514	160	*
88	5.57	5.5	160	*
90	5.57	5.516	160	*
93	5.57	5.563	160	*
97	5.57	5.592	160	*
98	5.57	5.543	160	*
99	5.57	5.64	160	*

Type 6 Radar Waveform_26

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.57	5.587	160	*
7	5.57	5.528	160	*
10	5.57	5.564	160	*
14	5.57	5.525	160	*
16	5.57	5.526	160	*
18	5.57	5.51	160	*
19	5.57	5.607	160	*
26	5.57	5.637	160	*
29	5.57	5.599	160	*
33	5.57	5.591	160	*
37	5.57	5.611	160	*
39	5.57	5.49	160	*
43	5.57	5.536	160	*
46	5.57	5.501	160	*
49	5.57	5.542	160	*
50	5.57	5.629	160	*
51	5.57	5.494	160	*
53	5.57	5.518	160	*
55	5.57	5.557	160	*
58	5.57	5.513	160	*
62	5.57	5.565	160	*
63	5.57	5.497	160	*
66	5.57	5.493	160	*
69	5.57	5.645	160	*
74	5.57	5.559	160	*
80	5.57	5.568	160	*
81	5.57	5.502	160	*
82	5.57	5.545	160	*
84	5.57	5.644	160	*
86	5.57	5.65	160	*
88	5.57	5.547	160	*
89	5.57	5.553	160	*
93	5.57	5.552	160	*
95	5.57	5.628	160	*
96	5.57	5.641	160	*

Type 6 Radar Waveform_27

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.57	5.597	160	*
5	5.57	5.525	160	*
9	5.57	5.554	160	*
11	5.57	5.65	160	*
12	5.57	5.603	160	*
13	5.57	5.501	160	*
14	5.57	5.578	160	*
20	5.57	5.639	160	*
22	5.57	5.61	160	*
30	5.57	5.55	160	*
32	5.57	5.593	160	*
38	5.57	5.623	160	*
39	5.57	5.515	160	*
44	5.57	5.628	160	*
45	5.57	5.634	160	*
48	5.57	5.642	160	*
52	5.57	5.552	160	*
54	5.57	5.506	160	*
55	5.57	5.518	160	*
56	5.57	5.582	160	*
58	5.57	5.609	160	*
60	5.57	5.528	160	*
66	5.57	5.553	160	*
67	5.57	5.641	160	*
70	5.57	5.573	160	*
71	5.57	5.561	160	*
75	5.57	5.533	160	*
77	5.57	5.539	160	*
83	5.57	5.647	160	*
89	5.57	5.496	160	*
95	5.57	5.538	160	*
99	5.57	5.579	160	*

Type 6 Radar Waveform_28

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.57	5.556	160	*
12	5.57	5.6	160	*
14	5.57	5.585	160	*
15	5.57	5.539	160	*
20	5.57	5.53	160	*
21	5.57	5.63	160	*
23	5.57	5.589	160	*
26	5.57	5.514	160	*
27	5.57	5.624	160	*
28	5.57	5.563	160	*
31	5.57	5.519	160	*
33	5.57	5.494	160	*
34	5.57	5.639	160	*
35	5.57	5.547	160	*
37	5.57	5.542	160	*
38	5.57	5.629	160	*
39	5.57	5.572	160	*
41	5.57	5.513	160	*
43	5.57	5.545	160	*
44	5.57	5.632	160	*
51	5.57	5.528	160	*
52	5.57	5.498	160	*
56	5.57	5.591	160	*
64	5.57	5.631	160	*
65	5.57	5.558	160	*
71	5.57	5.56	160	*
73	5.57	5.623	160	*
76	5.57	5.646	160	*
79	5.57	5.497	160	*
80	5.57	5.609	160	*
81	5.57	5.546	160	*
84	5.57	5.613	160	*
86	5.57	5.564	160	*
87	5.57	5.501	160	*
89	5.57	5.62	160	*
90	5.57	5.594	160	*
95	5.57	5.593	160	*
100	5.57	5.625	160	*

Type 6 Radar Waveform_29

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.57	5.514	160	*
3	5.57	5.538	160	*
8	5.57	5.515	160	*
10	5.57	5.579	160	*
11	5.57	5.555	160	*
12	5.57	5.588	160	*
13	5.57	5.593	160	*
14	5.57	5.533	160	*
19	5.57	5.644	160	*
20	5.57	5.577	160	*
21	5.57	5.57	160	*
23	5.57	5.51	160	*
28	5.57	5.597	160	*
32	5.57	5.571	160	*
33	5.57	5.564	160	*
35	5.57	5.596	160	*
38	5.57	5.522	160	*
43	5.57	5.523	160	*
44	5.57	5.624	160	*
53	5.57	5.633	160	*
57	5.57	5.519	160	*
58	5.57	5.566	160	*
59	5.57	5.626	160	*
61	5.57	5.526	160	*
63	5.57	5.527	160	*
65	5.57	5.576	160	*
66	5.57	5.598	160	*
75	5.57	5.637	160	*
77	5.57	5.521	160	*
81	5.57	5.61	160	*
82	5.57	5.646	160	*
84	5.57	5.518	160	*
87	5.57	5.545	160	*
89	5.57	5.622	160	*
91	5.57	5.492	160	*
95	5.57	5.647	160	*
97	5.57	5.503	160	*

Type 6 Radar Waveform_30

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.57	5.584	160	*
7	5.57	5.629	160	*
10	5.57	5.49	160	*
15	5.57	5.5	160	*
21	5.57	5.586	160	*
22	5.57	5.572	160	*
25	5.57	5.543	160	*
26	5.57	5.533	160	*
30	5.57	5.641	160	*
35	5.57	5.609	160	*
39	5.57	5.516	160	*
43	5.57	5.52	160	*
45	5.57	5.645	160	*
46	5.57	5.526	160	*
56	5.57	5.53	160	*
60	5.57	5.582	160	*
61	5.57	5.587	160	*
62	5.57	5.647	160	*
66	5.57	5.591	160	*
67	5.57	5.621	160	*
68	5.57	5.628	160	*
76	5.57	5.612	160	*
80	5.57	5.643	160	*
81	5.57	5.552	160	*
86	5.57	5.577	160	*
88	5.57	5.525	160	*
96	5.57	5.497	160	*
100	5.57	5.604	160	*

Appendix B – Test Setup Photograph

Refer to “2205RSU015-UT” file.

Appendix C – EUT Photograph

Refer to “2205RSU015-UE” file.

The End