

DFS MEASUREMENT REPORT

FCC ID: LNQAPI7220
Applicant: Actiontec Electronics Inc
Product: Wi-Fi Access Point
Model No.: API7220
Brand Name: Actiontec
FCC Classification: Unlicensed National Information Infrastructure (NII)
FCC Rule Part(s): Part 15 Subpart E (Section 15.407)
Result: Complies
Test Date: 2022-04-14 ~ 2020-04-15

Reviewed By:

Kevin Guo

Approved By:

Robin Wu



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in KDB 905462. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
2109RSU006-U5	Rev. 01	Initial Report	2022-07-14	Valid

CONTENTS

Description	Page
1. General Information	5
1.1. Applicant	5
1.2. Manufacturer	5
1.3. Testing Facility	5
1.4. Product Information	6
1.5. Radio Specification Under Test	6
1.6. Working Frequencies	7
1.7. Antenna Details	8
1.8. TPC Power	9
2. Test Configuration	10
2.1. Test Mode	10
2.2. Test Channel	10
2.3. Applied Standards	10
2.4. Test Environment Condition	10
3. DFS Detection Thresholds and Radar Test Waveforms	11
3.1. Applicability	11
3.2. DFS Devices Requirements	12
3.3. DFS Detection Threshold Values	14
3.4. Parameters of DFS Test Signals	15
3.5. Conducted Test Setup	18
4. Measuring Instrument	19
5. Test Result	20
5.1. Summary	20
5.2. Radar Waveform Calibration Measurement	21
5.2.1. Calibration Setup	21
5.2.2. Calibration Procedure	21
5.2.3. Calibration & Channel Loading Result	21
5.3. NII Detection Bandwidth Measurement	22
5.3.1. Test Limit	22
5.3.2. Test Procedure	22
5.3.3. Test Result	23
5.4. Initial Channel Availability Check Time Measurement	24
5.4.1. Test Limit	24
5.4.2. Test Procedure	24
5.4.3. Test Result	24
5.5. Radar Burst at the Beginning of the Channel Availability Check Time Measurement	25

5.5.1. Test Limit	25
5.5.2. Test Procedure	25
5.5.3. Test Result	25
5.6. Radar Burst at the End of the Channel Availability Check Time Measurement	26
5.6.1. Test Limit	26
5.6.2. Test Procedure	26
5.6.3. Test Result	26
5.7. In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period Measurement	27
5.7.1. Test Limit	27
5.7.2. Test Procedure	27
5.7.3. Test Result	27
5.8. Statistical Performance Check Measurement	28
5.8.1. Test Limit	28
5.8.2. Test Procedure	28
5.8.3. Test Result	28
Appendix A – Test Result	29
A.1 Calibration Test Result	29
A.2 Channel Loading Test Result	31
A.3 NII Detection Bandwidth Test Result	32
A.4 Initial Channel Availability Check Time Test Result	35
A.5 Radar Burst at the Beginning of the Channel Availability Check Time Test Result	36
A.6 Radar Burst at the End of the Channel Availability Check Time Test Result	37
A.7 In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period Test Result	38
A.8 Statistical Performance Check	39
Appendix B – Test Setup Photograph	114
Appendix C – EUT Photograph	115

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

<input checked="" type="checkbox"/>	<p>Test Site – MRT Suzhou Laboratory</p> <hr/> <p>Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China</p> <p>Laboratory Location (Suzhou - SIP) 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China</p> <hr/> <p>Laboratory Accreditations</p> <p>A2LA: 3628.01 CNAS: L10551</p> <p>FCC: CN1166 ISED: CN0001</p> <p>VCCI: <input type="checkbox"/>R-20025 <input type="checkbox"/>G-20034 <input type="checkbox"/>C-20020 <input type="checkbox"/>T-20020</p> <p style="margin-left: 150px;"><input type="checkbox"/>R-20141 <input type="checkbox"/>G-20134 <input type="checkbox"/>C-20103 <input type="checkbox"/>T-20104</p>
<input type="checkbox"/>	<p>Test Site – MRT Shenzhen Laboratory</p> <hr/> <p>Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China</p> <hr/> <p>Laboratory Accreditations</p> <p>A2LA: 3628.02 CNAS: L10551</p> <p>FCC: CN1284 ISED: CN0105</p>
<input type="checkbox"/>	<p>Test Site – MRT Taiwan Laboratory</p> <hr/> <p>Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)</p> <hr/> <p>Laboratory Accreditations</p> <p>TAF: L3261-190725</p> <p>FCC: 291082, TW3261 ISED: TW3261</p>

1.4. Product Information

Product Name	Wi-Fi Access Point
Model No.	API7220
Serial No.	WIFI21700294
Wi-Fi Specification	802.11a/b/g/n/ac/ax
Bluetooth Specification	V5.0, Single mode only (LE)
TPC Function	Support
Antenna Information	Refer to section 1.7
Power Type	AC-DC Adapter or PoE Adapter
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 Under Test

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
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 300Mbps 802.11ac: up to 866.6Mbps 802.11ax: up to 1201Mbps
Antenna Type	PIFA
Power-on cycle	Requires 37.5 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	--	--	--	--

1.7. Antenna Details

Antenna Type	Frequency (MHz)	TX Path	Antenna Gain (dBi)		Directional Gain (dBi)	
			Ant 0	Ant 1	Correlated	Uncorrelated
Wi-Fi Antenna						
PIFA	2412 ~ 2462	2	3.1	4.3	6.47	3.46
	5150 ~ 5250	2	4.1	5.1	7.62	4.63
	5250 ~ 5350	2	3.9	4.8	7.37	4.37
	5470 ~ 5725	2	4.3	5.6	7.89	4.91
	5725 ~ 5850	2	3.3	4.0	6.67	3.66
Bluetooth Antenna						
PIFA	2402 ~ 2480	1	-0.6		--	

Remark:

- The antenna gain and directional gain refer to manufacturer's antenna specification.
- The device supports CDD Mode and STBC mode, details refer to the table as below.
- 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 frequency) = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$
- STBC signals are uncorrelated, the directional gain as follows,
the max directional gain (each frequency) = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10}) / N_{ANT}]$
- Details refer to the antenna specification.

Test Mode	Tx Paths	CDD Mode	STBC Mode
Wi-Fi 2.4G			
802.11b/g	2	√	X
802.11n/ax	2	X	√
Wi-Fi 5G			
802.11a	2	√	X
802.11n/ac/ax	2	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	20.72	14.72	28.09	22.09
	NII-2c	20.07	14.07	27.96	21.96
STBC	NII-2a	23.74	17.74	28.11	22.11
	NII-2c	23.85	17.85	28.76	22.76

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:

1. A power splitter was used to combine all the receive chains (antenna inputs) into a single test point when we tested.
2. Since the antenna gain is greater than 0dBi, we selected the worst threshold level (-64dBm) for test.

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

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.
<p>Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.</p> <p>Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.</p> <p>Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.</p>	

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 \geq 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.

Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

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	$\text{Roundup} \left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	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.

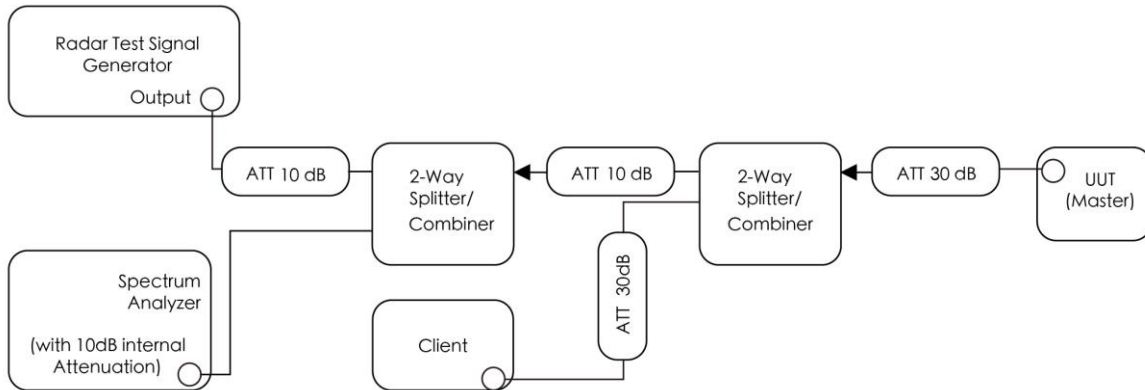


Figure 3-1: Conducted Test Setup where UUT is a Master and Radar Test Waveforms are injected into the Masters

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	2023/4/6	WZ-SR4
Thermohygrometer	testo	608-H1	MRTSUE06222	1 year	2022/10/10	WZ-SR4
Signal Generator	R&S	SMBV100A	MRTSUE06279	1 year	2023/4/6	WZ-SR4
Shielding Room	HUAMING	WZ-SR4	MRTSUE06441	N/A	N/A	WZ-SR4
Signal Generator	Keysight	N5182B	MRTSUE06451	1 year	2022-06-24	WZ-SR4
Signal Analyzer	Keysight	N9010B	MRTSUE06558	1 year	2022/6/24	WZ-SR4
Frequency extender for EXG or MXG	Keysight	N5182BX07	MRTSUE06984	1 year	2023/3/3	WZ-SR4
Signal Analyzer	R&S	FSV40	MRTSUE06990	1 year	2022/10/12	WZ-SR4
Signal Generator	Keysight	N5182B	MRTSUE06993	1 year	2022/9/10	WZ-SR4
Signal Generator	R&S	SMU200A	MRTSUE06490	1 year	2023/2/14	WZ-SR4
Power Divider	MVE	MVE8576	MRTSUE06266	1 year	2022-10-28	WZ-SR4
Power Divider	MVE	MVE8576	MRTSUE06267	1 year	2022-10-28	WZ-SR4
Power Divider	Weinschel	6179	MRTSUE06566	1 year	2022-10-28	WZ-SR4
Power Divider	Weinschel	6179	MRTSUE06567	1 year	2022-10-28	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.

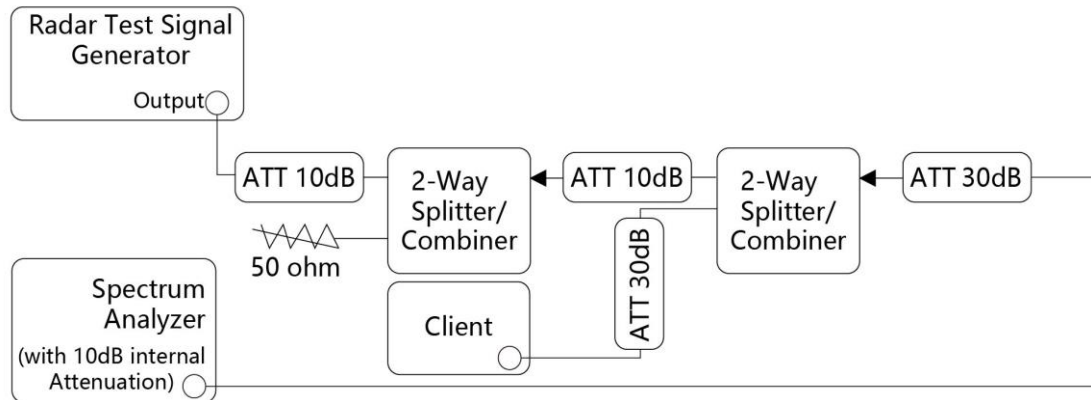


Figure 3-2: Conducted Test Setup

5.2.2. Calibration Procedure

The Interference Radar Detection Threshold Level is $(-64\text{dBm}) + (0) [\text{dBi}] + 1 \text{ dB} = -63 \text{ dBm}$ 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 $(-64\text{dBm}) + (0) [\text{dBi}] + 1 \text{ dB} = -63\text{dBm}$. 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: $U\text{-NII Detection Bandwidth} = FH - FL$
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 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+ 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: $Dwell (1.5ms) = S (12 \text{ sec}) / B (8000)$; 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: $C = N \times Dwell$; 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:
 $(\text{Total Waveform Detections} / \text{Total Waveform Trails}) * 100 = \text{Probability of Detection Radar Waveform}$
 In addition an aggregate minimum percentage of successful detection across all Short Pulse Radar Types 1-4 is required and is calculated as follows: $(Pd1 + Pd2 + Pd3 + Pd4) / 4$.

5.8.2. Test Procedure

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

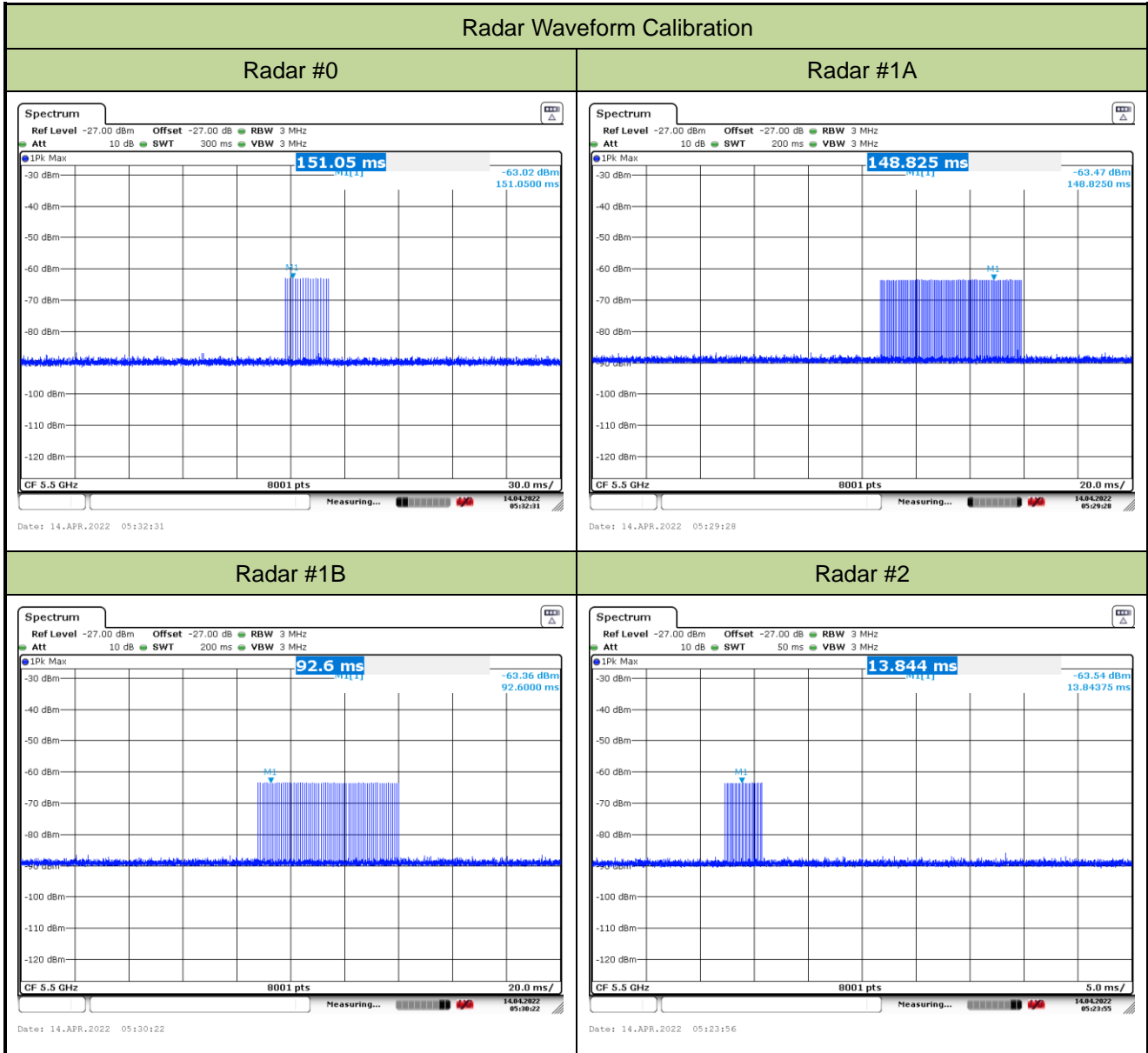
5.8.3. Test Result

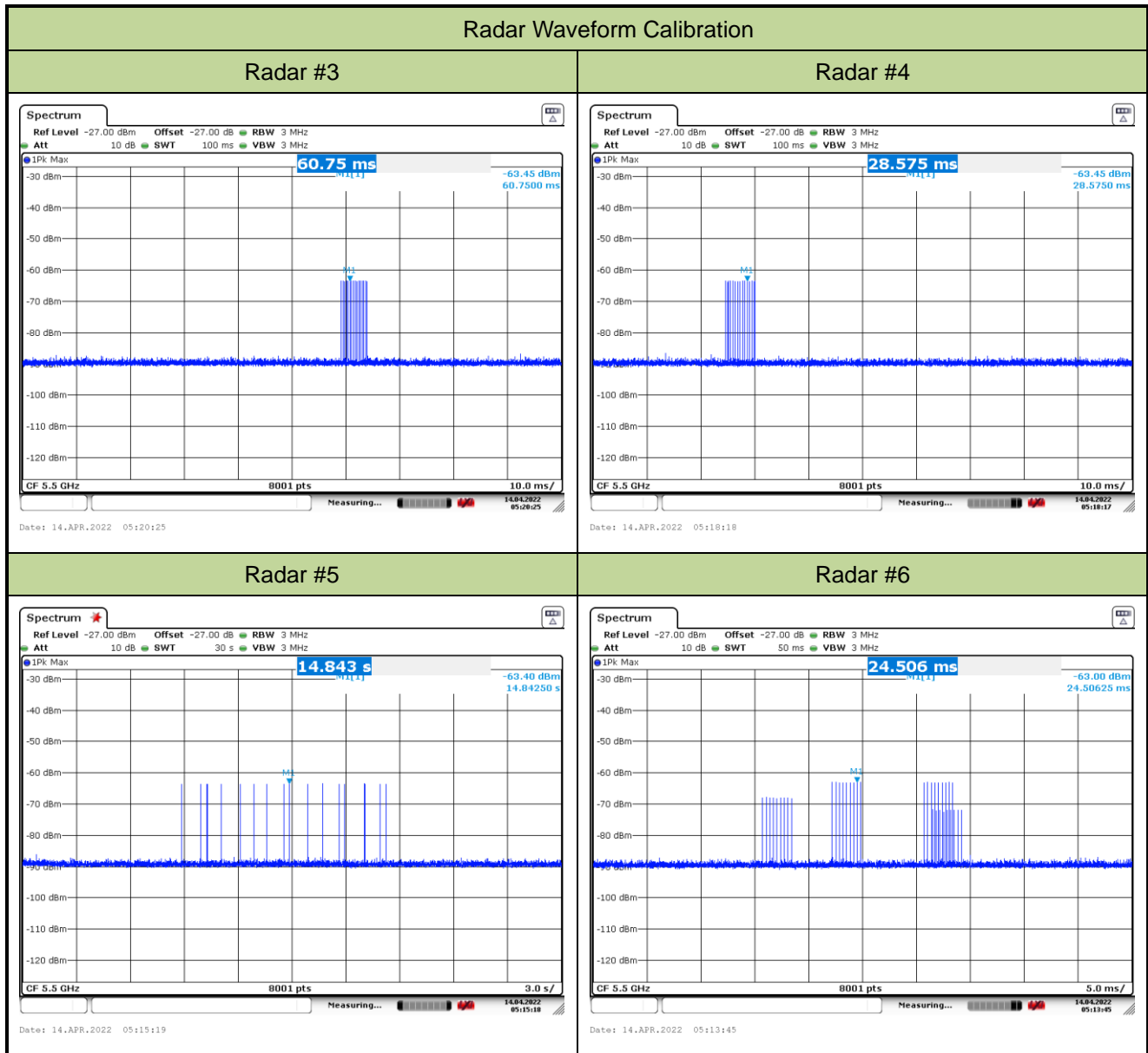
Refer to Appendix A.7.

Appendix A – Test Result

A.1 Calibration Test Result

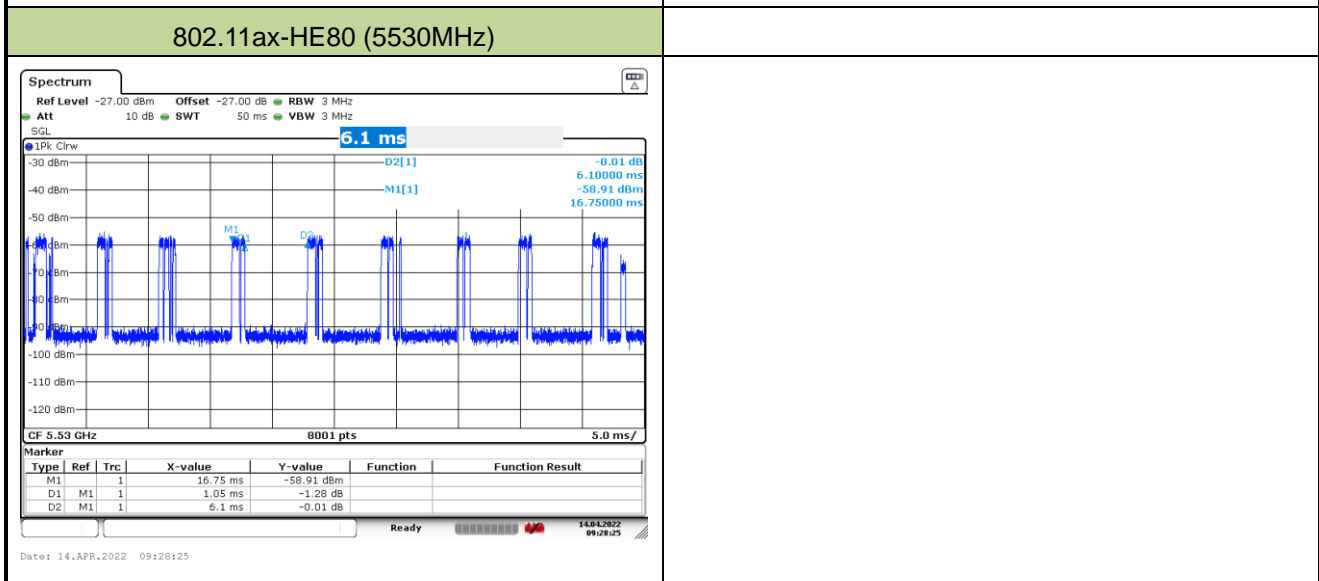
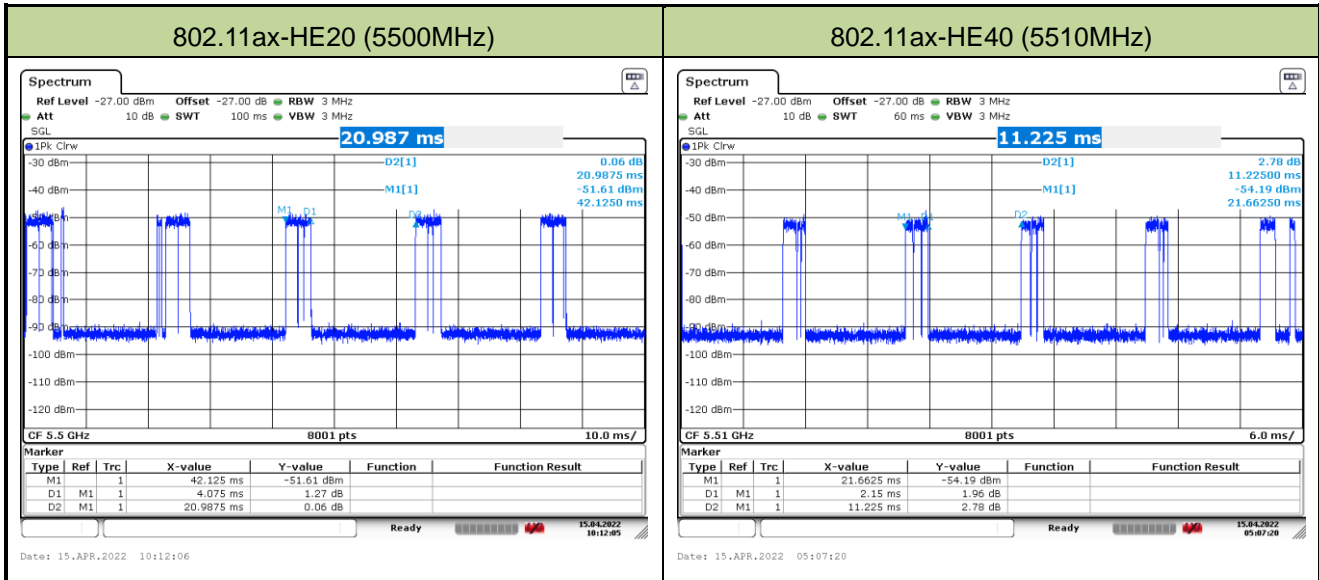
Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/04/14	Test Item	Radar Waveform Calibration





A.2 Channel Loading Test Result

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/04/15	Test Item	Channel Loading



Test Mode	Test Frequency	Packet ratio	Requirement ratio	Test Result
802.11ax-HE20	5500 MHz	19.42%	≥ 17%	Pass
802.11ax-HE40	5510 MHz	19.15%	≥ 17%	Pass
802.11ax-HE80	5530 MHz	17.21%	≥ 17%	Pass

Note: System testing was performed with the designated iperf test file. This file is used by IP and Frame based systems for loading the test channel during the In-service compliance testing of the U-NII device.
 Packet ratio = Time On / (Time On + Off Time).

A.3 NII Detection Bandwidth Test Result

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/04/15		
Test Item	Detection Bandwidth (802.11ax-HE20 mode - 5500MHz)		

Radar Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5489	0	0	0	0	0	0	0	0	0	0	0%
5490 FL	1	1	1	1	1	1	1	1	1	1	100%
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%
5510 FH	1	1	1	1	1	1	1	1	1	1	100%
5511	0	0	0	0	0	0	0	0	0	0	0%

Note 1: All NII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5500MHz. The 99% channel bandwidth is 18.952MHz. (See the 99% BW section of the RF report for further measurement details).

Note 2: Detection Bandwidth = $F_H - F_L = 5510\text{MHz} - 5490\text{MHz} = 20\text{MHz}$

Note 3: NII Detection Bandwidth Min. Limit (MHz): $18.952\text{MHz} \times 100\% = 18.952\text{MHz}$.

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/04/15		
Test Item	Detection Bandwidth (802.11ax-HE40 mode - 5510MHz)		

Radar Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5489	0	0	0	0	0	0	0	0	0	0	0%
5490 F _L	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%
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%
5526	1	1	1	1	1	1	1	1	1	1	100%
5527	1	1	1	1	1	1	1	1	1	1	100%
5528	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%
5531	0	0	0	0	0	0	0	0	0	0	0%

Note 1: All NII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5510MHz. The 99% channel bandwidth is 37.748MHz. (See the 99% BW section of the RF report for further measurement details).

Note 2: Detection Bandwidth = $F_H - F_L = 5530\text{MHz} - 5490\text{MHz} = 40\text{MHz}$.

Note 3: NII Detection Bandwidth Min. Limit (MHz): $37.748\text{MHz} \times 100\% = 37.748\text{MHz}$.

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/04/15		
Test Item	Detection Bandwidth (802.11ax-HE80 mode - 5530MHz)		

Radar Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5489	0	0	0	0	0	0	0	0	0	0	0%
5490 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%
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%
5566	1	1	1	1	1	1	1	1	1	1	100%
5567	1	1	1	1	1	1	1	1	1	1	100%
5568	1	1	1	1	1	1	1	1	1	1	100%
5569	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%
5571	0	0	0	0	0	0	0	0	0	0	0%

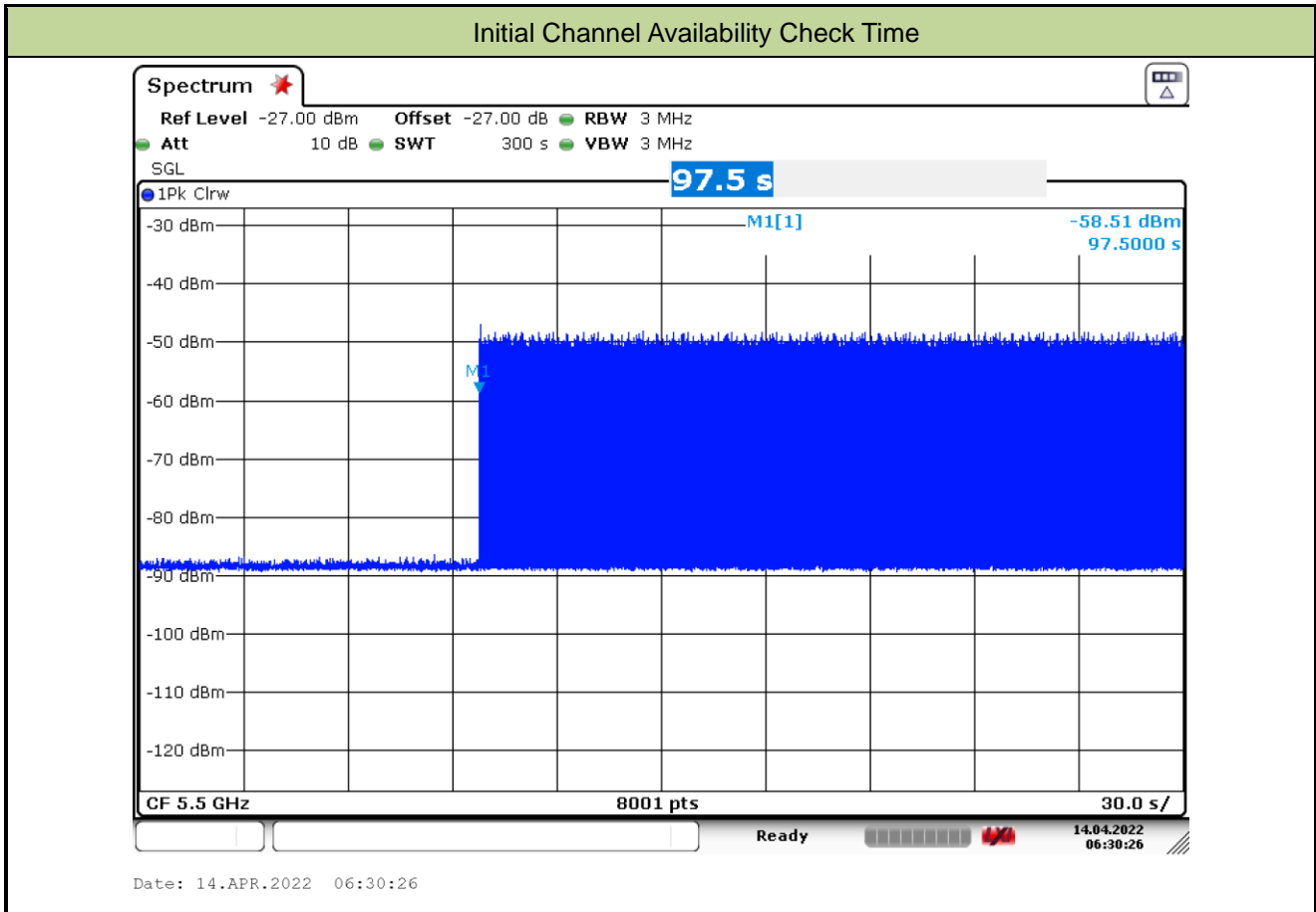
Note 1: All NII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5530MHz. The 99% channel bandwidth is 77.14MHz. (See the 99% BW section of the RF report for further measurement details).

Note 2: Detection Bandwidth = $F_H - F_L = 5570\text{MHz} - 5490\text{MHz} = 80\text{MHz}$.

Note 3: NII Detection Bandwidth Min. Limit (MHz): $77.14\text{MHz} \times 100\% = 77.14\text{MHz}$.

A.4 Initial Channel Availability Check Time Test Result

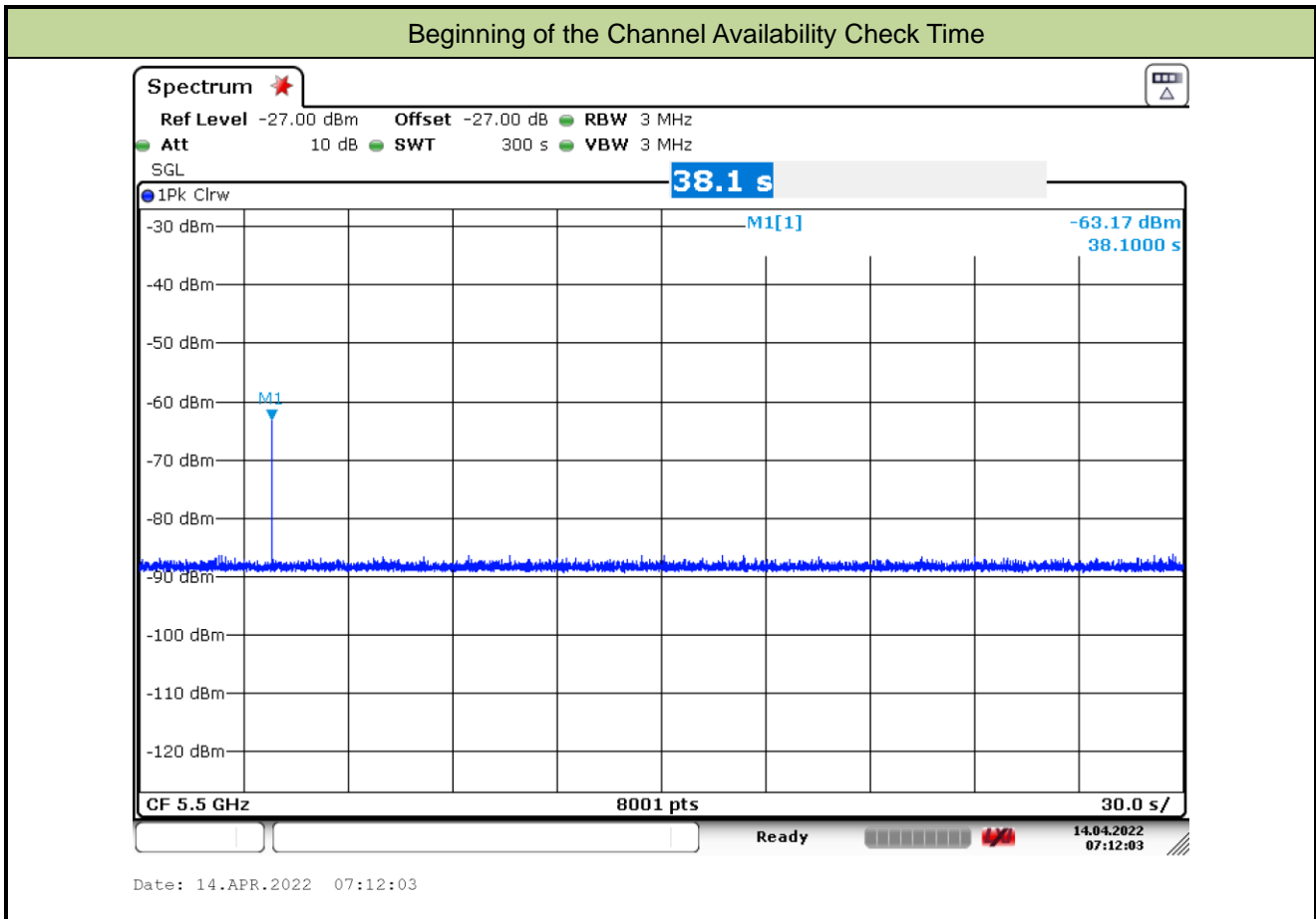
Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/04/14		
Test Item	Initial Channel Availability Check Time (802.11ax-HE20 mode - 5500MHz)		



Note: The EUT does not transmit any beacon or data transmissions until at least 1 minute after the completion of the power-on cycle (37.50 sec). Initial beacons/data transmissions are indicated by marker 1 (97.50 sec).

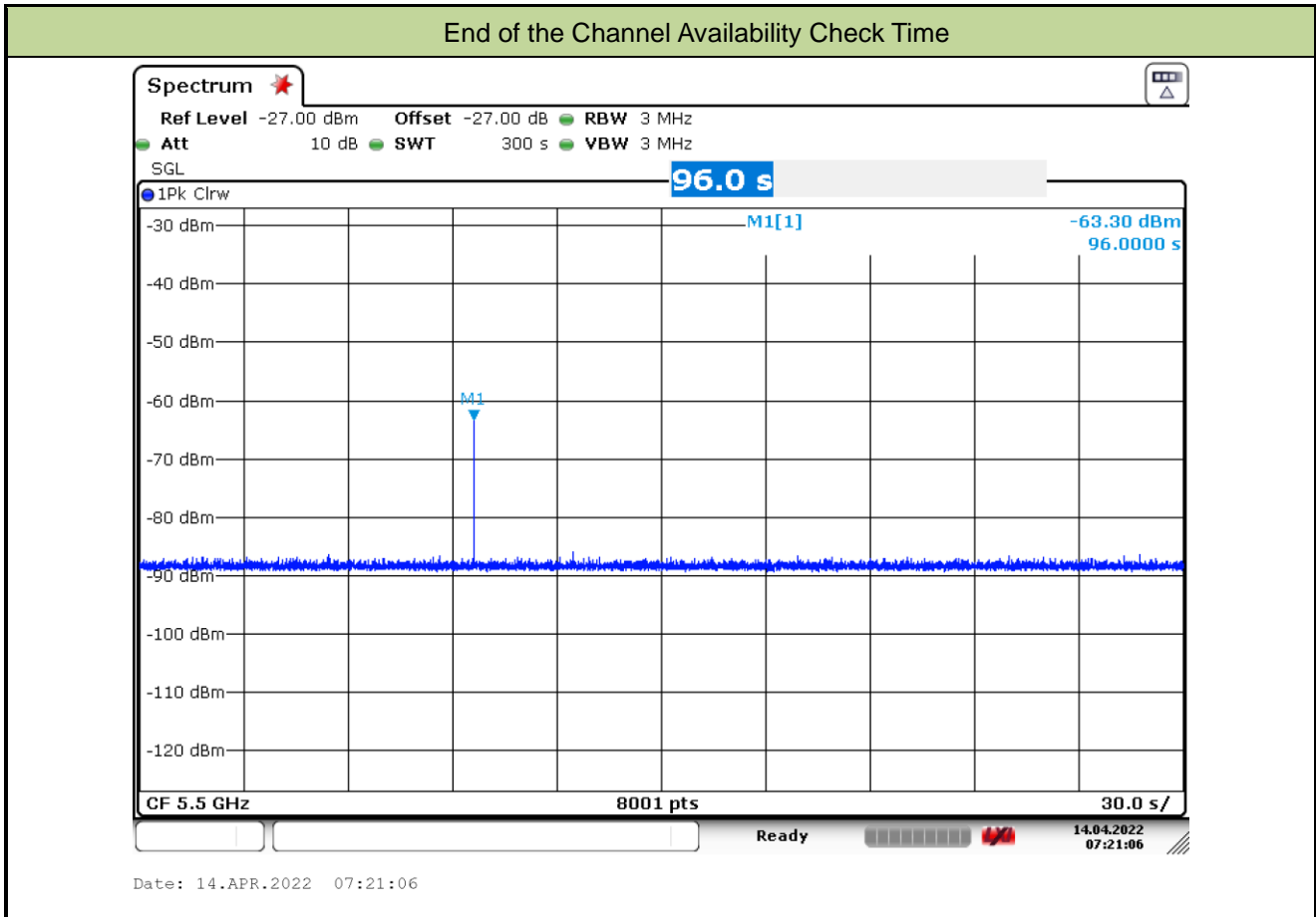
A.5 Radar Burst at the Beginning of the Channel Availability Check Time Test Result

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/04/14		
Test Item	Beginning of the Channel Availability Check Time (802.11ax-HE20 mode - 5500MHz)		



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

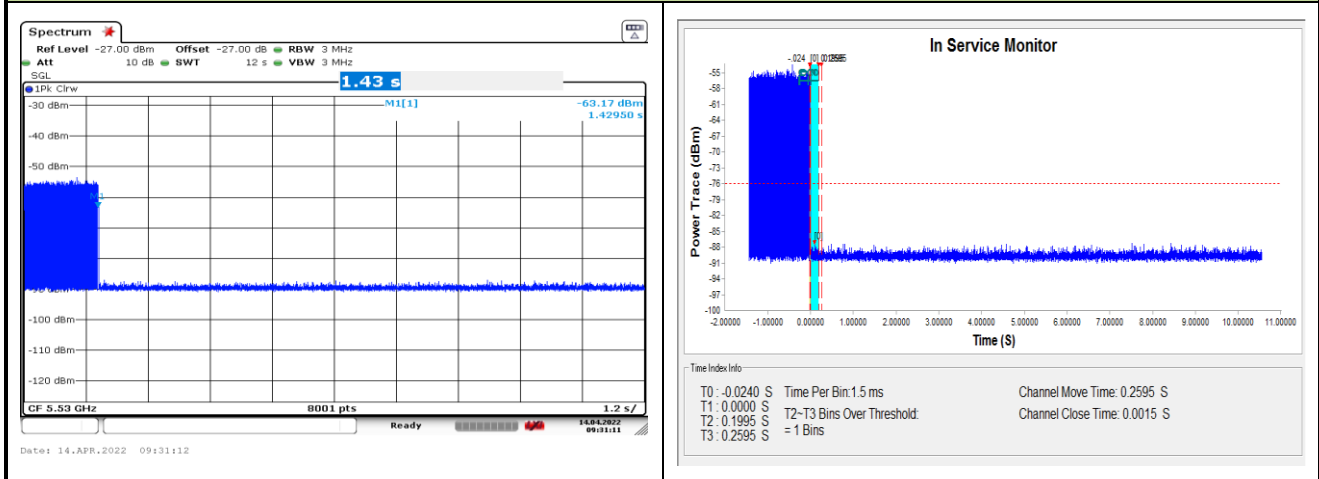
Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/04/14		
Test Item	End of the Channel Availability Check Time (802.11ax-HE20 mode - 5500MHz)		



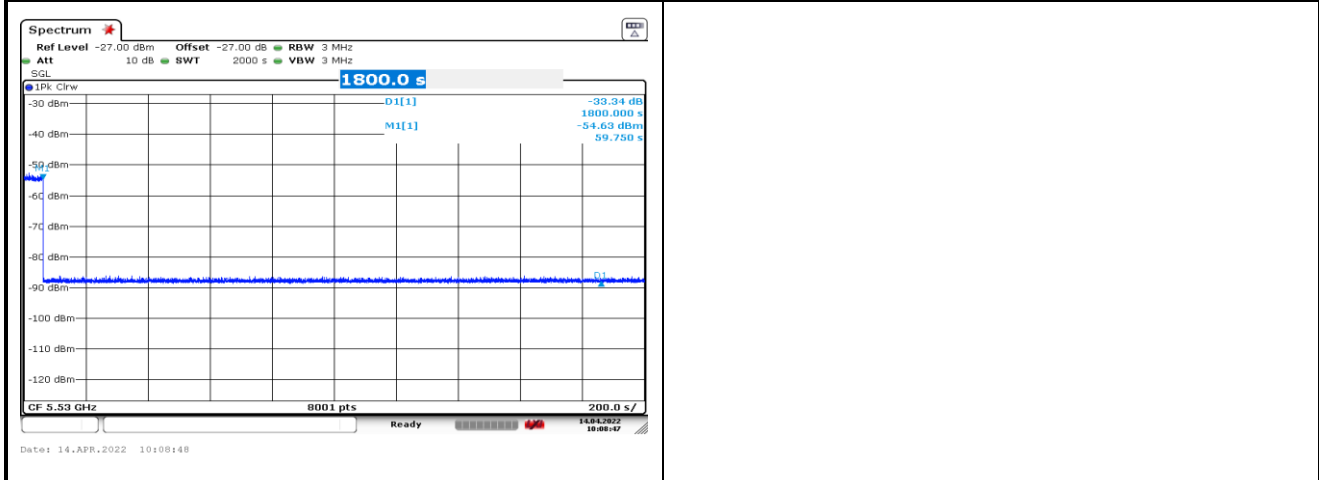
A.7 In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period Test Result

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/04/14		
Test Item	Channel Move Time and Channel Closing Transmission Time (802.11ax-HE80 mode - 5530MHz)		

Channel Move Time and Channel Closing Transmission Time



Non-Occupancy Period



Parameter	Test Result	Limit
Channel Move Time (s)	0.2595s	<10s
Channel Closing Transmission Time (ms) (Note)	1.5ms	< 60ms
Non-Occupancy Period (min)	≥ 30min	≥ 30 min

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

A.8 Statistical Performance Check

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/04/14		
Test Item	Radar Statistical Performance Check (802.11ax-HE20 – 5500MHz)		

Radar Type 1-4 - Radar Statistical Performance								
Trial	Radar Type 1		Radar Type 2		Radar Type 3		Radar Type 4	
	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect
0	5507	1	5509	1	5495	1	5491	1
1	5508	1	5500	1	5491	1	5497	1
2	5505	1	5506	1	5505	1	5499	1
3	5509	1	5495	1	5491	1	5508	1
4	5494	1	5497	1	5506	1	5504	1
5	5508	1	5509	1	5496	1	5504	1
6	5498	1	5493	1	5499	1	5497	1
7	5500	1	5493	1	5508	1	5507	1
8	5505	1	5490	1	5492	1	5505	1
9	5508	0	5508	1	5510	0	5509	1
10	5490	1	5505	1	5504	1	5496	1
11	5490	1	5492	1	5499	1	5503	1
12	5498	1	5499	1	5506	1	5493	1
13	5506	1	5506	1	5496	1	5504	1
14	5494	1	5502	1	5498	1	5505	1
15	5504	1	5506	1	5501	1	5502	1
16	5497	1	5491	1	5491	1	5490	1
17	5497	1	5509	1	5496	1	5492	1
18	5494	1	5501	1	5501	1	5498	1
19	5508	1	5510	1	5500	1	5500	1
20	5509	1	5503	1	5501	1	5491	1
21	5495	1	5495	1	5499	1	5498	1
22	5508	1	5505	1	5493	1	5500	1
23	5491	1	5503	1	5507	1	5499	1
24	5498	1	5501	1	5503	1	5510	1
25	5504	1	5499	1	5505	1	5491	1
26	5499	1	5490	1	5506	1	5505	1
27	5498	1	5497	1	5490	0	5509	1
28	5508	1	5495	1	5501	1	5495	1



Radar Type 1-4 - Radar Statistical Performance								
Trial	Radar Type 1		Radar Type 2		Radar Type 3		Radar Type 4	
	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect
29	5510	0	5494	1	5495	1	5500	1
Probability:	93.3%		100.0%		93.3%		100.0%	
Aggregate:	96.7% (>80%)							

Radar Type 1 - Radar Waveform					Radar Type 2 - Radar Waveform				
Trial #	Number of Pulses per Burst	Pulse Width (µ sec)	PRI (µs)	Detection (yes/no)	Trial #	Number of Pulses per Burst	Pulse Width (µ sec)	PRI (µs)	Detection (yes/no)
1	102	1	518		1	27	2	176	
2	89	1	598		2	29	2.2	202	
3	68	1	778		3	24	1.3	205	
4	81	1	658		4	29	3	177	
5	98	1	538		5	26	2.5	194	
6	76	1	698		6	25	4.8	194	
7	59	1	898		7	24	4.5	213	
8	72	1	738		8	27	1.1	212	
9	81	1	658		9	28	3.2	191	
10	74	1	718		10	28	2.4	194	
11	98	1	538		11	23	3.7	163	
12	61	1	878		12	25	4.1	185	
13	59	1	898		13	27	3.6	191	
14	76	1	698		14	29	1.3	163	
15	68	1	778		15	24	2.1	214	
16	78	1	678		16	25	3.1	155	
17	76	1	698		17	29	2.3	218	
18	83	1	638		18	25	2.8	173	
19	76	1	698		19	24	2.5	193	
20	63	1	838		20	24	4.6	152	
21	57	1	938		21	24	1.5	223	
22	86	1	618		22	27	1.5	216	
23	59	1	898		23	25	4	165	
24	58	1	918		24	24	4.5	207	
25	68	1	778		25	28	1.9	209	
26	81	1	658		26	29	3.4	221	
27	78	1	678		27	26	4.6	212	
28	67	1	798		28	27	3.4	170	
29	62	1	858		29	28	4.4	186	
30	98	1	538		30	26	3.6	189	

Radar Type 3 - Radar Waveform					Radar Type 4 - Radar Waveform				
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)	Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	17	9	247		1	14	14.3	390	
2	16	6.7	416		2	13	19.2	438	
3	18	6.6	428		3	14	19.1	295	
4	18	6.2	223		4	15	12.7	486	
5	16	8.1	305		5	15	13.6	355	
6	17	7.2	314		6	12	17.2	227	
7	17	6.5	395		7	16	17.4	431	
8	17	6.6	408		8	16	13.7	405	
9	17	9.2	220		9	15	18.7	445	
10	17	8.7	460		10	15	14.3	486	
11	16	6.3	287		11	15	16.9	480	
12	16	8.1	399		12	14	17.6	313	
13	16	9.2	500		13	15	14	414	
14	18	6.4	203		14	16	12.5	245	
15	16	9.6	476		15	13	11.9	353	
16	17	6.7	411		16	14	12.1	462	
17	17	8.6	249		17	15	11.3	371	
18	17	8.2	208		18	15	12.2	356	
19	17	9.5	235		19	12	12.6	319	
20	17	9.6	235		20	13	19.8	467	
21	18	8	397		21	15	15.1	296	
22	18	6.5	360		22	16	18.4	344	
23	17	9.1	409		23	13	16.4	309	
24	17	7.8	248		24	15	14.3	295	
25	17	9.6	352		25	13	13.1	306	
26	17	8.1	406		26	15	12.4	300	
27	17	6.7	395		27	15	19.8	441	
28	18	6.5	271		28	16	11.6	321	
29	18	6.7	365		29	14	13	211	
30	18	8.1	344		30	15	11	456	

Radar Type 5 - Radar Statistical Performance					
Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
0	5500	1	15	5496.8	1
1	5500	1	16	5492.4	1
2	5500	1	17	5493.2	1
3	5500	1	18	5493.2	1
4	5500	1	19	5495.6	1
5	5500	1	20	5502.8	1
6	5500	1	21	5506	1
7	5500	1	22	5505.6	1
8	5500	1	23	5504.8	1
9	5500	1	24	5507.6	1
10	5493.6	1	25	5507.2	1
11	5493.6	1	26	5502.4	1
12	5496	1	27	5504	1
13	5494.8	1	28	5503.2	1
14	5497.6	1	29	5502.8	1
Detection Percentage (%)			100.0%		

Type 5 Radar Waveform_0

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	79.9	14	1606	1428	285.836
2	2	94.5	14	1101		553.61
3	1	62.3	14			445.29
4	2	62.4	14	1028		1067.72
5	1	61.3	14			37.39
6	3	78.9	14	1863	1275	180.64
7	3	72.6	14	1071	1970	324.03
8	1	87.5	14			481.67
9	3	87.5	14	1051	1722	242.03
10	2	83.7	14	1944		757.2

Type 5 Radar Waveform_1

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	98.4	13	1332		279.41
2	3	51.5	13	1592	1905	23.01
3	1	94.3	13			303.57
4	3	80.7	13	1555	1792	448.6
5	2	93.3	13	1816		113.81
6	2	70.3	13	1367		375.33
7	3	76.8	13	1263	1622	235.23
8	1	92.6	13			244.67
9	2	86.3	13	1893		590.65
10	2	50.3	13	1629		553.54
11	3	57.2	13	1945	1201	391.14
12	2	95.7	13	1382		481.65
13	1	60.5	13			432.17
14	3	93.1	13	1930	1739	363.72
15	2	80.1	13	1445		26.97
16	2	81	13	1639		152.94
17	3	62	13	1454	1254	199.04
18	3	74.1	13	1083	1621	416.2
19	2	76.1	13	1330		436.9
20	2	69.1	13	1183		491

Type 5 Radar Waveform_2

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	65.3	5			168.36
2	3	59.3	5	1517	1728	207.847
3	1	51.6	5			692.575
4	1	56.1	5			31.613
5	3	82.9	5	1864	1061	515.441
6	3	59.8	5	1993	1069	505.118
7	3	52.7	5	1785	1585	156.436
8	3	62.8	5	1995	1064	584.144
9	2	85.5	5	1548		371.201
10	2	93.5	5	1909		216.809
11	2	54.7	5	1806		177.476
12	2	64.9	5	1057		59.454
13	2	87.3	5	1094		522.152
14	1	83.6	5			97.719
15	1	62.8	5			262.247
16	2	84.9	5	1252		315.265
17	2	65.2	5	1303		399.782

Type 5 Radar Waveform_3

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	67.2	12	1073	1428	106.492
2	3	87.3	12	1630	1723	340.968
3	3	68.9	12	1224	1600	274.955
4	2	94.3	12	1923		275.713
5	1	61.6	12			189.091
6	1	78.6	12			611.648
7	3	76.1	12	1114	1495	161.456
8	2	76.1	12	1926		442.994
9	3	50.7	12	1811	1056	35.031
10	2	75.3	12	1341		288.439
11	1	92.4	12			378.796
12	3	68.1	12	2000	1037	698.384
13	3	74	12	1123	1093	49.652
14	3	57.1	12	1166	1187	526.389
15	1	73	12			196.547
16	1	96.9	12			333.365
17	3	91.3	12	1668	1289	165.582

Type 5 Radar Waveform_4

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	77.1	7	1027	1050	479.744
2	1	63.3	7			432.31
3	3	77.6	7	1374	1355	184.41
4	2	50.9	7	1336		212.89
5	1	84.2	7			243.03
6	1	75.7	7			690.29
7	2	76.6	7	1682		137.14
8	1	60	7			139.22
9	3	79.2	7	1602	1576	102.74
10	3	71.5	7	1342	1493	88.5
11	1	55.2	7			410.93
12	2	57	7	1160		258.16
13	3	65.1	7	1098	1483	418.38
14	2	98.9	7	1004		37.74
15	3	73	7	1575	1126	435.5
16	2	84.3	7	1834		453.3

Type 5 Radar Waveform_5

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	73.6	7	1392		279.263
2	2	56.3	7	1244		202.579
3	2	99	7	1438		274.837
4	2	88.3	7	1107		283.29
5	3	78.7	7	1730	1759	639.853
6	2	95.6	7	1563		147.577
7	1	60.7	7			234.15
8	1	59.9	7			80.473
9	1	68.5	7			390.577
10	1	82.2	7			397.33
11	2	59.6	7	1436		324.653
12	2	87	7	1799		405.677
13	3	65	7	1152	1076	53.68
14	3	74	7	1297	1432	191.773
15	1	59.8	7			325.707
16	3	89.7	7	1273	1316	334
17	2	65	7	1426		137.933
18	2	51.1	7	1427		173.267

Type 5 Radar Waveform_6

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	3	85.2	9	1486	1725	511.116
2	2	84.7	9	1990		394.381
3	2	65.7	9	1716		229.002
4	2	91	9	1756		622.643
5	2	95.9	9	1467		319.604
6	2	84.5	9	1699		332.185
7	2	99.4	9	1822		388.196
8	3	94.6	9	1668	1564	302.287
9	3	60.1	9	1393	1634	489.168
10	2	68.4	9	1806		430.939
11	3	99.6	9	1503	1098	347.381
12	1	67.3	9			211.652
13	3	97	9	1213	1583	156.143
14	3	92.7	9	1335	1455	562.104
15	3	57.1	9	1670	1180	198.575
16	3	64.1	9	1771	1797	402.906
17	3	68.4	9	1950	1233	435.737
18	2	60.1	9	1424		204.358
19	1	56.5	9			361.179

Type 5 Radar Waveform_7

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	90.5	17	1580	1239	733.872
2	3	83.2	17	1228	1668	301.367
3	1	99.8	17			666.264
4	1	60.9	17			103.471
5	3	57.5	17	1874	1995	15.179
6	2	60.3	17	1648		513.656
7	1	63.5	17			311.023
8	2	81.1	17	1655		286.71
9	3	85.5	17	1673	1006	237.987
10	2	72.2	17	1464		651.004
11	2	65.8	17	1571		255.721
12	1	89.9	17			545.779
13	1	64.2	17			667.786
14	2	55.7	17	1602		712.543

Type 5 Radar Waveform_8

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	57	10	1081		646.967
2	2	54.6	10	1873		426.74
3	2	66	10	1925		539.53
4	3	87.8	10	1956	1443	181.53
5	2	69.7	10	1639		459.14
6	2	64.8	10	1072		343.51
7	3	84.1	10	1457	1858	338.48
8	2	60.5	10	1257		98.11
9	2	87.6	10	1608		686.46
10	1	86.1	10			536.34
11	2	72.4	10	1467		194.44
12	3	54.1	10	1665	1042	753.31
13	1	80.1	10			735.6
14	2	96.1	10	1238		44.1
15	3	59.8	10	1136	1930	498.4

Type 5 Radar Waveform_9

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	66.4	6	1077		678.303
2	2	99.8	6	1638		486.517
3	1	63.6	6			216.473
4	2	86.3	6	1174		1091.96
5	2	67.9	6	1923		318.437
6	2	94.8	6	1888		303.693
7	1	76.6	6			1113.15
8	2	92.2	6	1813		839.567
9	3	97.2	6	1721	1298	200.933

Type 5 Radar Waveform_10

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	90.3	9	1287		516.926
2	2	94.2	9	1122		258.24
3	1	87.4	9			508.48
4	2	72.2	9	1701		39.69
5	1	67.6	9			315.4
6	3	60.7	9	1805	1706	230.29
7	2	63.4	9	1042		625.17
8	2	71.4	9	1552		235.16
9	2	71.8	9	1748		733.5
10	2	69.8	9	1195		16.22
11	3	83.9	9	1518	1829	162.8
12	2	68.4	9	1411		167.13
13	1	67.4	9			571
14	1	72.8	9			551.8
15	3	75.5	9	1321	1360	380.3

Type 5 Radar Waveform_11

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	68.9	9			80.353
2	3	78	9	1143	1779	547.98
3	1	94.1	9			704.8
4	1	70.9	9			18.5
5	2	61.5	9	1677		288.75
6	2	94.8	9	1968		90.41
7	3	92.2	9	1081	1986	388.89
8	3	65.9	9	1853	1142	518.38
9	2	51.2	9	1448		706.36
10	3	77.5	9	1685	1048	207.36
11	3	62.7	9	1367	1405	543.72
12	3	54.6	9	1409	1871	639.37
13	1	65.9	9			512.9
14	1	66.7	9			539.6
15	2	82.5	9	1097		20.1

Type 5 Radar Waveform_12

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	88.5	15	1224		374.928
2	2	96.4	15	1058		546.121
3	2	71.9	15	1068		326.472
4	2	74	15	1924		423.483
5	1	100	15			59.094
6	1	52.8	15			182.825
7	3	86.3	15	1151	1398	606.446
8	3	75.8	15	1702	1640	220.847
9	3	98.3	15	1521	1677	171.788
10	2	64.8	15	1085		451.039
11	3	74.1	15	1936	1688	435.071
12	2	83.6	15	1380		533.772
13	2	59.9	15	1600		99.233
14	2	77.3	15	1855		200.704
15	3	82.7	15	1046	1450	29.925
16	1	59.1	15			112.416
17	3	82.1	15	1942	1942	308.437
18	2	67.8	15	1118		49.458
19	2	99.3	15	2000		74.879

Type 5 Radar Waveform_13

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	65.4	12			278.505
2	3	50.2	12	1961	1320	564.331
3	2	50.7	12	1049		173.102
4	2	81.5	12	1393		198.973
5	1	90.8	12			548.544
6	3	72.9	12	1853	1222	288.905
7	3	89.4	12	1534	1959	493.736
8	3	55.1	12	1369	1930	47.857
9	2	79	12	1935		556.388
10	2	99.8	12	1440		238.339
11	2	53.8	12	1771		335.631
12	1	84.7	12			601.142
13	3	58.4	12	1484	1582	417.013
14	1	60.8	12			183.214
15	2	54.2	12	1370		495.385
16	3	96.7	12	1262	1861	226.956
17	2	77.4	12	1941		115.837
18	1	58.5	12			227.058
19	2	78.5	12	1755		18.579

Type 5 Radar Waveform_14

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	69.2	19	1143		1071.42
2	1	79.2	19			1031.96
3	2	59.9	19	1054		631.03
4	3	70.1	19	1353	1100	909.21
5	2	93.1	19	1042		179.32
6	2	86.8	19	1431		147.83
7	1	79.8	19			1153.55
8	3	92.5	19	1453	1626	1163.37
9	1	99.2	19			773.8
10	2	62.9	19	1527		921.4

Type 5 Radar Waveform_15

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	75.2	17	1939		767.966
2	2	56	17	1838		705.607
3	1	50.9	17			408.874
4	3	67.2	17	1648	1260	23.051
5	2	70.1	17	1073		788.169
6	1	63.8	17			621.676
7	2	50.5	17	1113		126.343
8	3	55.6	17	1058	1586	465.9
9	1	87.3	17			201.867
10	2	96.2	17	1601		174.714
11	1	57.8	17			831.291
12	3	85.6	17	1292	1314	165.549
13	2	77.1	17	1400		527.086
14	3	80.8	17	1637	1787	279.643

Type 5 Radar Waveform_16

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	81.1	6	1444	1859	292.057
2	2	64.8	6	1816		463.467
3	3	99.9	6	1752	1321	656.394
4	2	89.6	6	1805		735.641
5	2	98.4	6	1289		280.749
6	2	52.5	6	1609		359.956
7	2	53.3	6	1931		341.663
8	1	86.1	6			46.55
9	1	50.9	6			136.247
10	2	85.5	6	1572		133.304
11	2	71.6	6	1545		727.781
12	2	72.6	6	1882		38.419
13	2	53.8	6	1218		846.186
14	2	57.5	6	1687		482.143

Type 5 Radar Waveform_17

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	67.4	8			350.318
2	3	77.9	8	1120	1042	15.76
3	3	82.1	8	1425	1353	1339.11
4	3	92.7	8	1616	1091	466.13
5	2	90.4	8	1687		920.98
6	2	94.2	8	1958		1230.76
7	1	79.8	8			136.01
8	3	99.5	8	1840	1813	304.3

Type 5 Radar Waveform_18

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	69.6	8			592.006
2	1	67.5	8			184.12
3	3	91.1	8	1878	1728	89.43
4	2	85.8	8	1634		35.76
5	1	53.4	8			24.83
6	1	74.4	8			771.7
7	2	59.3	8	1614		328.5
8	3	58.2	8	1298	1878	571.06
9	1	65.5	8			158.97
10	2	78.8	8	1368		289.62
11	1	66.3	8			410.6
12	3	71.3	8	1380	1806	626.5

Type 5 Radar Waveform_19

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	89.5	14	1246		513.847
2	3	51.7	14	1462	1948	481.761
3	1	81	14			277.142
4	1	69.4	14			494.663
5	2	81	14	1828		335.944
6	3	98.1	14	1353	1634	58.335
7	3	68.9	14	1357	1762	227.496
8	3	75.1	14	1873	1412	105.907
9	2	65.7	14	1573		454.138
10	2	83.2	14	1686		46.349
11	2	65.9	14	1443		220.761
12	1	83.5	14			455.442
13	1	53.5	14			347.113
14	2	91.3	14	1531		77.774
15	3	84.5	14	1676	1733	483.525
16	1	99.2	14			27.286
17	2	76.3	14	1745		262.237
18	3	56.9	14	1145	1016	295.158
19	2	99.4	14	1772		616.279

Type 5 Radar Waveform_20

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	92.3	18			320.647
2	3	99	18	1578	1287	316.127
3	3	81.1	18	1694	1892	202.217
4	1	84.3	18			358.14
5	2	99.2	18	1165		437.583
6	2	74	18	1694		418.467
7	2	76.3	18	1188		21.41
8	2	51.8	18	1226		387.963
9	2	83.3	18	1789		639.537
10	1	99	18			579.43
11	1	86.1	18			214.873
12	1	92.1	18			86.477
13	2	77.7	18	1850		362.75
14	2	81.7	18	1464		592.493
15	2	58.5	18	1102		238.397
16	3	92.1	18	1961	1583	220.3
17	2	79.8	18	1814		138.033
18	3	72.8	18	1527	1973	419.967

Type 5 Radar Waveform_21

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	77.7	10	1689		174.256
2	1	81.1	10			16.313
3	3	60.5	10	1417	1506	144.91
4	2	61.6	10	1824		361.41
5	3	84	10	1622	1509	173.78
6	3	55.9	10	1374	1498	147.78
7	3	50.4	10	1290	1162	453.42
8	2	80.9	10	1920		630.11
9	2	62.6	10	1388		260.52
10	3	90.4	10	1853	1015	346.98
11	2	90	10	1464		202.85
12	1	51.9	10			368.32
13	1	79.3	10			588.9
14	2	77	10	1048		457.3
15	2	60.8	10	1685		210.6

Type 5 Radar Waveform_22

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	88.8	11	1492	1326	58.705
2	2	84.9	11	1290		114.616
3	3	85.4	11	1327	1499	209.255
4	2	59.9	11	1422		631.633
5	2	61.6	11	1943		138.411
6	3	68.6	11	1474	1788	481.318
7	2	88.1	11	1485		520.766
8	1	68.6	11			597.294
9	2	64.7	11	1708		277.481
10	3	62.7	11	1921	1906	245.459
11	2	88.7	11	1690		543.026
12	2	99.3	11	1710		52.844
13	2	59.2	11	1157		223.562
14	2	87.1	11	1447		564.029
15	2	71.9	11	1724		270.347
16	2	81.9	11	1128		158.465
17	2	70.3	11	1761		439.082

Type 5 Radar Waveform_23

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	97	13			652.793
2	1	65	13			263.812
3	2	82.1	13	1257		233.345
4	1	72.3	13			393.823
5	2	65.1	13	1115		477.691
6	3	62.4	13	1527	1383	395.638
7	3	56.3	13	1785	1996	530.166
8	2	67.8	13	1417		288.984
9	3	91.3	13	1329	1301	620.311
10	2	59	13	1584		555.709
11	1	88.1	13			619.656
12	2	76	13	1705		519.294
13	2	71.3	13	1457		274.862
14	3	59.5	13	1741	1876	566.579
15	2	95.7	13	1455		562.247
16	2	81.6	13	1519		550.865
17	3	66.3	13	1291	1558	530.282

Type 5 Radar Waveform_24

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	65.4	6	1969		491.972
2	1	82.4	6			627.413
3	3	73.6	6	1787	1837	114.367
4	1	74.5	6			339.22
5	3	72	6	1256	1100	107.793
6	2	50.4	6	1077		655.287
7	2	95.7	6	1188		367.75
8	1	74	6			183.653
9	2	55.4	6	1708		194.777
10	2	93.6	6	1211		169.33
11	2	50.4	6	1033		537.143
12	1	93.2	6			446.737
13	1	64.3	6			42.29
14	3	74.4	6	1306	1462	68.703
15	3	74.2	6	1795	1444	360.257
16	3	57.6	6	1520	1206	630.1
17	2	86.6	6	1983		167.733
18	3	87.9	6	1586	1486	5.167

Type 5 Radar Waveform_25

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	91.1	7	1581		134.944
2	2	67	7	1044		1224.407
3	2	72.3	7	1579		207.613
4	2	67.7	7	1741		357.39
5	2	74.9	7	1447		256.547
6	3	81.5	7	1324	1570	1246.923
7	3	74.3	7	1318	1035	200.65
8	2	85.7	7	1633		648.357
9	1	83.1	7			42.733

Type 5 Radar Waveform_26

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	83.9	19	1578		653.679
2	1	54.2	19			158.976
3	1	87.1	19			685.3
4	2	74.6	19	1613		99.27
5	2	63.5	19	1624		659.43
6	1	67.8	19			46.53
7	2	71.1	19	1043		449.84
8	3	91.5	19	1049	1106	189.63
9	2	63.3	19	1461		630.44
10	2	62.6	19	1460		632.89
11	2	81.9	19	1779		544.92
12	1	70.7	19			140.97
13	2	97.4	19	1701		493.28
14	2	92.1	19	1195		601
15	1	99.9	19			186.2
16	3	84.9	19	1357	1578	427.6

Type 5 Radar Waveform_27

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	56.9	15	1660	1088	202.971
2	3	67.1	15	1983	1018	269.74
3	1	84.4	15			280.98
4	1	60.3	15			57.97
5	2	67.1	15	1277		97.36
6	3	75.4	15	1282	1005	707.78
7	1	66.7	15			157.83
8	3	86.3	15	1063	1170	757.61
9	2	82	15	1409		632.66
10	1	51.5	15			125.24
11	3	96.4	15	1707	1995	443.99
12	3	55.4	15	1708	1675	698.63
13	2	97.3	15	1919		297.49
14	2	76.4	15	1435		569.5
15	3	71	15	1461	1634	462.5

Type 5 Radar Waveform_28

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	52.3	17	1691		356.435
2	2	75.1	17	1647		1328.78
3	1	89.1	17			849.09
4	2	95.3	17	1842		704.92
5	2	50.7	17	1471		1188.55
6	1	83.2	17			660.33
7	3	99.8	17	1800	1708	1038.7
8	2	87.2	17	1747		1154

Type 5 Radar Waveform_29

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	87.6	18	1948	1027	697.114
2	2	87.8	18	1656		278.341
3	1	69.8	18			584.175
4	2	80.9	18	1479		513.043
5	3	100	18	1583	1013	491.351
6	3	60	18	1312	1158	515.868
7	1	97.5	18			315.446
8	1	56.7	18			305.794
9	3	66.2	18	1196	1957	360.671
10	2	86.2	18	1700		72.169
11	2	62.6	18	1512		476.556
12	2	91.1	18	1772		456.094
13	2	57.2	18	1629		471.612
14	1	96.3	18			503.329
15	3	78.5	18	1254	1423	507.447
16	1	57	18			61.665
17	2	81.8	18	1404		262.482

Radar Type 6 - Radar Statistical Performance			
Trail #	1=Detection 0=No Detection	Trail #	1=Detection 0=No Detection
0	1	15	1
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
Detection Percentage (%)		100.0%	

Type 6 Radar Waveform_0

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
34	5.5	5.492	20	*
36	5.5	5.49	20	*
48	5.5	5.51	20	*
58	5.5	5.506	20	*
74	5.5	5.497	20	*

Type 6 Radar Waveform_1

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
16	5.5	5.505	20	*
23	5.5	5.497	20	*
35	5.5	5.5	20	*
67	5.5	5.494	20	*
76	5.5	5.507	20	*
96	5.5	5.509	20	*

Type 6 Radar Waveform_2

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
38	5.5	5.508	20	*
42	5.5	5.494	20	*
57	5.5	5.503	20	*

Type 6 Radar Waveform_3

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
37	5.5	5.506	20	*

Type 6 Radar Waveform_4

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
13	5.5	5.495	20	*
34	5.5	5.497	20	*
57	5.5	5.507	20	*
92	5.5	5.491	20	*

Type 6 Radar Waveform_5

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
39	5.5	5.499	20	*
45	5.5	5.506	20	*
61	5.5	5.492	20	*
63	5.5	5.49	20	*
67	5.5	5.509	20	*
100	5.5	5.493	20	*

Type 6 Radar Waveform_6					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
6	5.5	5.496	20	*	
18	5.5	5.493	20	*	
42	5.5	5.5	20	*	
43	5.5	5.503	20	*	
72	5.5	5.498	20	*	
76	5.5	5.497	20	*	

Type 6 Radar Waveform_7					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
30	5.5	5.495	20	*	

Type 6 Radar Waveform_8					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
28	5.5	5.501	20	*	
47	5.5	5.506	20	*	
80	5.5	5.504	20	*	
88	5.5	5.507	20	*	

Type 6 Radar Waveform_9					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
38	5.5	5.501	20	*	
52	5.5	5.492	20	*	

Type 6 Radar Waveform_10					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
8	5.5	5.501	20	*	
15	5.5	5.493	20	*	
81	5.5	5.505	20	*	
92	5.5	5.509	20	*	

Type 6 Radar Waveform_11					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
3	5.5	5.508	20	*	
11	5.5	5.502	20	*	
13	5.5	5.509	20	*	

Type 6 Radar Waveform_12

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.5	5.506	20	*
15	5.5	5.498	20	*
46	5.5	5.509	20	*
47	5.5	5.49	20	*
60	5.5	5.503	20	*

Type 6 Radar Waveform_13

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
14	5.5	5.49	20	*
39	5.5	5.506	20	*
42	5.5	5.508	20	*
48	5.5	5.499	20	*
67	5.5	5.5	20	*

Type 6 Radar Waveform_14

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
10	5.5	5.494	20	*
61	5.5	5.502	20	*
82	5.5	5.509	20	*
99	5.5	5.5	20	*

Type 6 Radar Waveform_15

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
26	5.5	5.501	20	*
81	5.5	5.508	20	*
87	5.5	5.496	20	*
92	5.5	5.494	20	*
98	5.5	5.507	20	*

Type 6 Radar Waveform_16

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
74	5.5	5.503	20	*
94	5.5	5.492	20	*
99	5.5	5.506	20	*

Type 6 Radar Waveform_17

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
9	5.5	5.503	20	*
59	5.5	5.502	20	*
60	5.5	5.499	20	*
73	5.5	5.498	20	*
94	5.5	5.495	20	*

Type 6 Radar Waveform_18

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
24	5.5	5.5	20	*
40	5.5	5.492	20	*
74	5.5	5.491	20	*
77	5.5	5.49	20	*
86	5.5	5.505	20	*
96	5.5	5.498	20	*

Type 6 Radar Waveform_19

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
14	5.5	5.499	20	*
26	5.5	5.501	20	*
49	5.5	5.498	20	*
77	5.5	5.505	20	*
80	5.5	5.491	20	*

Type 6 Radar Waveform_20

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
8	5.5	5.51	20	*
46	5.5	5.494	20	*
54	5.5	5.506	20	*
86	5.5	5.503	20	*

Type 6 Radar Waveform_21

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
10	5.5	5.506	20	*
58	5.5	5.491	20	*
80	5.5	5.49	20	*
92	5.5	5.492	20	*

Type 6 Radar Waveform_22

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
24	5.5	5.495	20	*
41	5.5	5.49	20	*
43	5.5	5.508	20	*
54	5.5	5.503	20	*
58	5.5	5.51	20	*
86	5.5	5.509	20	*
95	5.5	5.501	20	*

Type 6 Radar Waveform_23

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.5	5.508	20	*
24	5.5	5.494	20	*
57	5.5	5.509	20	*
77	5.5	5.499	20	*
80	5.5	5.503	20	*
85	5.5	5.51	20	*

Type 6 Radar Waveform_24

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
32	5.5	5.492	20	*
39	5.5	5.496	20	*
54	5.5	5.509	20	*

Type 6 Radar Waveform_25

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
15	5.5	5.5	20	*
58	5.5	5.504	20	*
100	5.5	5.495	20	*

Type 6 Radar Waveform_26

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.5	5.509	20	*
8	5.5	5.491	20	*
15	5.5	5.496	20	*
66	5.5	5.502	20	*
76	5.5	5.498	20	*
85	5.5	5.503	20	*
90	5.5	5.501	20	*

Type 6 Radar Waveform_27					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
16	5.5	5.501	20	*	
33	5.5	5.507	20	*	
54	5.5	5.5	20	*	
61	5.5	5.502	20	*	
63	5.5	5.51	20	*	
75	5.5	5.505	20	*	
86	5.5	5.495	20	*	
90	5.5	5.497	20	*	
Type 6 Radar Waveform_28					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
1	5.5	5.499	20	*	
47	5.5	5.505	20	*	
60	5.5	5.495	20	*	
69	5.5	5.509	20	*	
90	5.5	5.502	20	*	
96	5.5	5.503	20	*	
Type 6 Radar Waveform_29					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
58	5.5	5.49	20	*	
92	5.5	5.505	20	*	
94	5.5	5.497	20	*	
97	5.5	5.506	20	*	



Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/04/14		
Test Item	Radar Statistical Performance Check (802.11ax-HE40 – 5510MHz)		

Radar Type 1-4 - Radar Statistical Performance								
Trial	Radar Type 1		Radar Type 2		Radar Type 3		Radar Type 4	
	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect
0	5504	1	5507	1	5528	1	5503	1
1	5512	1	5515	1	5514	1	5490	1
2	5530	1	5504	1	5516	1	5491	1
3	5522	1	5501	1	5499	1	5504	1
4	5526	1	5512	1	5528	1	5494	1
5	5507	1	5515	1	5527	1	5527	1
6	5528	1	5525	1	5504	1	5493	1
7	5496	1	5500	1	5506	1	5509	1
8	5526	0	5530	1	5510	1	5508	1
9	5514	1	5509	1	5511	1	5519	0
10	5521	1	5525	1	5530	1	5502	1
11	5496	1	5512	1	5513	1	5504	1
12	5515	1	5504	1	5526	1	5508	1
13	5508	1	5505	1	5495	1	5515	1
14	5490	1	5493	1	5513	1	5510	1
15	5491	1	5501	1	5516	1	5494	1
16	5510	1	5500	1	5504	1	5518	1
17	5500	1	5507	1	5528	1	5524	1
18	5508	1	5505	1	5505	1	5490	1
19	5526	1	5490	1	5490	1	5519	1
20	5518	1	5499	1	5513	1	5520	1
21	5502	1	5512	1	5525	1	5507	1
22	5530	1	5522	1	5508	1	5518	1
23	5511	1	5508	1	5515	1	5530	1
24	5502	1	5497	1	5509	1	5523	1
25	5510	1	5530	1	5504	1	5491	1
26	5517	1	5507	1	5529	1	5509	1
27	5512	1	5524	1	5514	1	5501	0
28	5528	1	5521	1	5498	1	5506	1

Radar Type 1-4 - Radar Statistical Performance								
Trial	Radar Type 1		Radar Type 2		Radar Type 3		Radar Type 4	
	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect
29	5490	1	5523	1	5501	0	5493	1
Probability:	96.7%		100.0%		96.7%		93.3%	
Aggregate:	96.7% (>80%)							

Radar Type 1 - Radar Waveform					Radar Type 2 - Radar Waveform				
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μs)	Detection (yes/no)	Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μs)	Detection (yes/no)
1	65	1	818		1	25	4.4	189	
2	67	1	798		2	26	4.2	213	
3	72	1	738		3	25	3.9	183	
4	76	1	698		4	24	3.5	203	
5	70	1	758		5	26	4.1	150	
6	83	1	638		6	29	3.7	196	
7	83	1	638		7	28	4.2	166	
8	81	1	658		8	24	3.1	213	
9	92	1	578		9	26	1.9	175	
10	76	1	698		10	27	2.9	157	
11	65	1	818		11	25	5	177	
12	58	1	918		12	28	4.8	184	
13	63	1	838		13	24	3.3	188	
14	59	1	898		14	24	3.8	167	
15	95	1	558		15	28	4.4	181	
16	61	1	878		16	26	4.6	170	
17	61	1	878		17	28	4.4	180	
18	70	1	758		18	26	5	192	
19	62	1	858		19	24	3.6	196	
20	57	1	938		20	26	2.6	195	
21	58	1	918		21	24	2.4	204	
22	102	1	518		22	27	4.4	181	
23	89	1	598		23	26	3.4	200	
24	78	1	678		24	25	2.2	187	
25	74	1	718		25	29	2.2	175	
26	81	1	658		26	29	1.3	181	
27	57	1	938		27	26	3	225	
28	72	1	738		28	27	2.9	157	
29	86	1	618		29	28	1.4	165	
30	61	1	878		30	25	2.3	169	

Radar Type 3 - Radar Waveform					Radar Type 4 - Radar Waveform				
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μs)	Detection (yes/no)	Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μs)	Detection (yes/no)
1	18	9.5	383		1	13	14.7	437	
2	16	8.2	385		2	16	16.9	481	
3	18	6.5	388		3	13	18.3	397	
4	17	9.1	449		4	13	12.4	423	
5	17	8.4	221		5	12	15.6	407	
6	16	7.6	258		6	14	18.6	268	
7	16	6.6	344		7	13	15.6	464	
8	17	7.5	242		8	15	13.8	252	
9	18	9.1	210		9	13	17.6	473	
10	17	6.4	211		10	13	11.5	240	
11	17	7.7	234		11	14	12.7	383	
12	17	7.3	449		12	16	13.1	491	
13	16	8.1	369		13	14	11.9	321	
14	17	8.9	415		14	15	12.4	261	
15	17	6.9	362		15	15	14.2	315	
16	17	6.6	392		16	12	15.4	425	
17	17	6.3	475		17	13	14.9	386	
18	18	8	436		18	13	11.8	289	
19	16	8.9	469		19	13	12.6	370	
20	17	9.4	498		20	14	15.9	292	
21	16	7.6	275		21	16	17.6	270	
22	17	6.2	465		22	14	18	465	
23	18	8.2	422		23	14	11.2	481	
24	18	7.7	289		24	13	19.7	489	
25	17	6.2	250		25	16	13.2	209	
26	17	9.1	233		26	15	19.2	389	
27	16	9.3	347		27	13	14.5	328	
28	18	6.7	431		28	12	11.3	246	
29	18	6.6	239		29	15	15.1	367	
30	17	7.3	285		30	14	16.6	298	

Radar Type 5 - Radar Statistical Performance					
Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
0	5510	1	15	5496.4	1
1	5510	1	16	5494	1
2	5510	1	17	5494	1
3	5510	1	18	5495.2	1
4	5510	1	19	5497.2	1
5	5510	1	20	5526	1
6	5510	1	21	5525.6	1
7	5510	1	22	5528	1
8	5510	1	23	5523.2	1
9	5510	1	24	5524	1
10	5494	1	25	5526	1
11	5494.4	1	26	5524.4	1
12	5495.6	1	27	5522.8	1
13	5495.2	1	28	5523.2	1
14	5492.8	1	29	5523.2	1
Detection Percentage (%)			100.0%		

Type 5 Radar Waveform_0

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	55.1	15	1524		929.043
2	2	67.5	15	1067		667.71
3	2	76	15	1862		910.54
4	1	53.5	15			570.69
5	3	83	15	1811	1166	9.54
6	3	94.2	15	1189	1613	366.84
7	2	74.7	15	1805		393.63
8	1	59.9	15			711.27
9	3	60.5	15	1059	1950	809.62
10	3	76.6	15	1765	1038	674.14
11	1	76.7	15			511.5
12	2	67.7	15	1048		165.7

Type 5 Radar Waveform_1

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	73.9	14	1040		396.281
2	2	77.1	14	1340		547.213
3	3	50.8	14	1920	1763	645.237
4	2	76.9	14	1648		275.2
5	2	80.9	14	1503		359.153
6	3	62	14	1674	1663	403.397
7	2	89.9	14	1872		416.29
8	2	84.1	14	1843		559.933
9	1	90.2	14			277.977
10	3	80.5	14	1932	1434	262.16
11	2	93.7	14	1446		70.773
12	1	57.1	14			139.947
13	2	60.9	14	1508		184.8
14	2	54	14	1821		293.063
15	1	65.5	14			237.657
16	2	68.8	14	1910		170.4
17	3	78.8	14	1376	1745	325.433
18	1	79.4	14			344.267

Type 5 Radar Waveform_2

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	59.9	17	1874		212.087
2	1	78	17			772.57
3	3	54	17	1807	1639	409.98
4	2	51.3	17	1299		512.63
5	2	84.1	17	1795		160.31
6	2	53.2	17	1759		165.54
7	2	62.2	17	1409		706.34
8	2	82.5	17	1589		585.86
9	1	63.3	17			174.05
10	1	56.8	17			272.61
11	2	51.6	17	1028		684.3
12	1	74.6	17			232.61
13	2	90.1	17	1693		334.42
14	3	68.9	17	1146	1703	771.6
15	2	79.6	17	1460		242.1

Type 5 Radar Waveform_3

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	100	5			154.329
2	2	93.9	5	1551		468.84
3	2	72.8	5	1519		397.96
4	1	54.4	5			546.83
5	1	58.8	5			338.12
6	1	74.7	5			318.88
7	2	82.8	5	1199		683.93
8	3	58.7	5	1688	1143	471.27
9	2	74	5	1825		552.73
10	1	86.6	5			524.75
11	2	90.5	5	1605		704.74
12	1	79.8	5			288.14
13	1	69.6	5			220.91
14	3	96.8	5	1375	1361	639.9
15	3	98.8	5	1749	1439	78.4
16	2	92.2	5	1309		79.5

Type 5 Radar Waveform_4

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	79.3	12			939.576
2	2	79	12	1621		883.33
3	2	53	12	1376		188.45
4	2	78.6	12	1865		306.43
5	3	63.4	12	1714	1479	821.51
6	2	91.8	12	1247		985.06
7	2	72.5	12	1709		1059.66
8	2	88.1	12	1022		781.96
9	2	55.5	12	1801		724.8
10	2	84.1	12	1677		698.1

Type 5 Radar Waveform_5

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	91.5	7			743.862
2	1	78.9	7			35.836
3	3	61.8	7	1145	1586	228.236
4	1	97.1	7			165.439
5	2	89.2	7	1668		351.892
6	2	91.4	7	1660		876.315
7	2	94.4	7	1228		745.598
8	2	65.9	7	1388		862.912
9	2	55.7	7	1294		709.485
10	3	61.1	7	1249	1558	17.218
11	2	77.4	7	1291		68.171
12	2	84.3	7	1660		29.554
13	2	55.9	7	1326		900.077

Type 5 Radar Waveform_6

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	76.9	6			244.117
2	1	93	6			409.728
3	3	62	6	1903	1063	554.155
4	3	73.6	6	1307	1292	679.693
5	1	52.5	6			121.351
6	3	80.6	6	1437	1694	633.108
7	3	80.8	6	1263	1871	233.266
8	2	69.7	6	1137		525.654
9	2	89.4	6	1544		84.141
10	2	51.3	6	1200		335.379
11	2	95	6	1584		599.626
12	2	89.7	6	1136		32.054
13	2	65.9	6	1329		597.692
14	2	94.3	6	1603		400.229
15	1	68	6			368.347
16	2	65.2	6	1960		161.265
17	1	58.3	6			147.082

Type 5 Radar Waveform_7

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	85.2	17	1643		141.884
2	3	79.2	17	1689	1863	338.913
3	2	54.8	17	1828		103.817
4	3	84.3	17	1455	1569	455.1
5	2	82.3	17	1296		272.093
6	2	71.7	17	1804		341.147
7	2	59.2	17	1289		410.95
8	3	59.8	17	1529	1211	618.063
9	2	61.4	17	1582		175.877
10	3	92.7	17	1763	1088	177.8
11	2	58.5	17	1373		606.863
12	2	75.5	17	1504		578.417
13	1	95.7	17			124.32
14	1	76.4	17			254.473
15	2	93.8	17	1553		310.507
16	2	90.8	17	1011		265.3
17	1	66	17			392.333
18	3	65.9	17	1990	1236	316.167

Type 5 Radar Waveform_8

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	98	9			745.833
2	1	92.8	9			725.38
3	2	87.2	9	1305		440.35
4	3	89.5	9	1005	1331	181.26
5	2	91.6	9	1595		470.26
6	3	95.5	9	1170	1553	102.69
7	1	60.8	9			584.14
8	2	60.4	9	1908		228.12
9	1	86.1	9			172.66
10	2	80.4	9	1162		106.73
11	2	65.1	9	1579		393.8
12	2	89.7	9	1604		393.6

Type 5 Radar Waveform_9

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	83.5	9	1349	1444	941.938
2	3	97.1	9	1099	1767	144.07
3	2	52	9	1061		228.59
4	2	69.8	9	1469		438.71
5	2	83.3	9	1273		603.6
6	3	89.6	9	1103	1317	1108.03
7	2	57.8	9	1243		1048.2
8	2	56.4	9	1383		494.24
9	2	59.5	9	1827		354.5
10	3	66.4	9	1987	1173	843.1

Type 5 Radar Waveform_10

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	58.8	10	1803		768.241
2	2	63.3	10	1370		962.55
3	1	73.5	10			221.89
4	2	51.2	10	1689		508.04
5	2	61.5	10	1368		241.32
6	3	66.5	10	1798	1667	401.36
7	2	80	10	1075		215.32
8	3	57	10	1110	1385	299.11
9	2	97.8	10	1751		625.11
10	2	60.5	10	1190		778.36
11	2	78.4	10	1041		348.7
12	3	89.3	10	1915	1728	474.6

Type 5 Radar Waveform_11

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	53.5	11	1862	1355	303.902
2	3	53.3	11	1537	1719	342.343
3	1	60.8	11			98.597
4	2	86.2	11	1643		372.82
5	1	52.7	11			217.163
6	1	73.6	11			159.347
7	3	95.1	11	1822	1285	441.94
8	2	59.3	11	1654		58.043
9	1	99.1	11			456.207
10	2	93.3	11	1345		386.13
11	2	64.8	11	1834		150.923
12	2	76	11	1206		386.427
13	1	92.4	11			237.69
14	3	59.2	11	1208	1590	238.013
15	3	54.8	11	1508	1284	277.747
16	2	55.1	11	1601		331.4
17	3	94.7	11	1074	1231	93.433
18	1	59.1	11			452.867

Type 5 Radar Waveform_12

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	70.4	14	1444		962.693
2	1	61.4	14			1006.367
3	2	70.4	14	1625		697.303
4	2	67	14	1824		418.41
5	2	67.1	14	1684		1289.547
6	1	54	14			1126.083
7	2	94.2	14	1518		35.35
8	3	55.1	14	1097	1686	1031.667
9	2	72.9	14	1510		124.633

Type 5 Radar Waveform_13

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	97	13	1010		198.787
2	2	50.3	13	1828		826.997
3	1	52.4	13			643.413
4	2	51.2	13	1771		115.53
5	3	66.3	13	1958	1981	628.527
6	3	90.7	13	1112	1040	697.273
7	1	53.2	13			904.45
8	3	91.7	13	1440	1493	760.767
9	2	68	13	1916		261.133

Type 5 Radar Waveform_14

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	74.9	7	1401		394.508
2	3	99.5	7	1379	1450	582.183
3	2	75.3	7	1657		250.677
4	3	84.5	7	1813	1844	170.51
5	1	59.2	7			106.743
6	3	81.5	7	1998	1108	493.637
7	2	52.3	7	1562		285.73
8	3	54.2	7	1235	1884	622.923
9	3	71.1	7	1380	1972	332.657
10	2	77.2	7	1621		153.3
11	1	91.9	7			221.053
12	1	89.5	7			633.937
13	2	60.1	7	1512		437.53
14	2	52.4	7	1083		158.173
15	1	77.4	7			445.017
16	2	65.5	7	1540		656.6
17	2	61.3	7	1553		416.533
18	1	57.9	7			529.667

Type 5 Radar Waveform_15

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	76.4	16	1205	1270	426.002
2	3	80.3	16	1711	1495	374.431
3	3	54.5	16	1351	1579	432.472
4	2	89.3	16	1363		179.933
5	1	56.9	16			349.014
6	1	90.8	16			254.035
7	2	81.3	16	1929		525.786
8	2	53.2	16	1670		286.597
9	2	75	16	1769		571.088
10	3	52.6	16	1967	1025	129.869
11	1	52.7	16			598.301
12	2	84	16	1790		572.762
13	2	92.7	16	1510		499.163
14	2	74.9	16	1640		453.614
15	3	60	16	1469	1429	309.825
16	1	54.5	16			248.686
17	3	63.8	16	1070	1886	503.937
18	2	73.9	16	1358		406.858
19	2	91.1	16	1537		221.079

Type 5 Radar Waveform_16

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	87.6	10	1272		535.719
2	2	92.8	10	1393		23.272
3	2	66.7	10	1972		108.272
4	2	75.5	10	1301		379.783
5	1	58.2	10			298.834
6	3	65.8	10	1848	1896	253.845
7	2	53	10	1104		160.646
8	2	58.3	10	1486		448.317
9	2	54	10	1880		258.478
10	2	90.1	10	1167		156.009
11	2	90.8	10	1987		411.531
12	2	80.2	10	1871		385.282
13	3	53.2	10	1589	1120	608.363
14	3	55.5	10	1242	1589	462.274
15	1	66	10			387.935
16	2	50.5	10	1667		151.346
17	1	89	10			81.837
18	1	69.2	10			452.058
19	2	57.6	10	1048		16.379

Type 5 Radar Waveform_17

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	80.6	10	1449	1902	157.079
2	1	68	10			1042.131
3	3	82.7	10	1767	1744	611.192
4	3	62.2	10	1986	1987	1046.783
5	3	58.6	10	1708	1126	948.414
6	2	59.1	10	1896		782.905
7	1	83.3	10			415.485
8	2	83.8	10	1958		1031.756
9	2	55.8	10	1347		788.887
10	2	82.9	10	1388		671.018
11	2	66.8	10	1075		1053.109

Type 5 Radar Waveform_18

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	61.7	13	1110		154.922
2	3	61.6	13	1138	1734	698.36
3	2	97.3	13	1822		1125.24
4	3	53.8	13	1197	1374	433.4
5	2	59	13	1904		465.02
6	2	63	13	1664		1113.8
7	2	93.3	13	1960		819.18
8	2	90.7	13	1024		334.77
9	3	78.1	13	1146	1142	451.4
10	2	59.2	13	1268		568.7

Type 5 Radar Waveform_19

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	80.4	18	1917		231.78
2	1	69	18			0.271
3	3	56	18	1753	1335	728.85
4	2	97.6	18	1061		19.89
5	3	58.6	18	1607	1784	732.31
6	2	93.3	18	1704		576.45
7	2	79.1	18	1711		591.37
8	2	83.2	18	1347		368.85
9	3	84.3	18	1327	1152	159.16
10	2	82.1	18	1889		335.45
11	3	94.6	18	1303	1124	732.16
12	2	59.9	18	1230		112.63
13	2	50	18	1812		485.19
14	3	86.4	18	1318	1869	640.2
15	3	51.2	18	1805	1401	708.8
16	3	57.7	18	1467	1788	651.8

Type 5 Radar Waveform_20

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	76.9	10	1767	1407	872.184
2	2	66.2	10	1061		620.467
3	1	57.4	10			1279.963
4	1	55.9	10			940.46
5	3	52.2	10	1121	1061	19.027
6	3	90.3	10	1049	1956	392.473
7	2	82.7	10	1167		724
8	2	66.4	10	1757		912.167
9	3	99.8	10	1918	1518	410.233

Type 5 Radar Waveform_21

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	87.1	11	1027		623.753
2	2	74.5	11	1800		631.21
3	2	74.3	11	1289		427.92
4	3	90.9	11	1912	1136	491.5
5	3	87.4	11	1773	1949	364.92
6	3	81.2	11	1848	1531	252.45
7	2	76	11	1680		642.47
8	1	86.9	11			240.54
9	1	59.9	11			20.85
10	2	60	11	1538		484.66
11	1	65.6	11			544.99
12	2	68.5	11	1582		248.49
13	3	56.4	11	1322	1509	554.3
14	1	68.8	11			560.4
15	2	52.2	11	1544		37.8

Type 5 Radar Waveform_22

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	61.1	5			653.921
2	1	90.4	5			600.137
3	2	58.8	5	1559		465.514
4	2	76.4	5	1663		501.041
5	1	97.6	5			430.359
6	1	55.2	5			451.966
7	3	59.2	5	1111	1735	237.763
8	3	86.4	5	1254	1044	215.61
9	1	80.3	5			618.847
10	1	64.1	5			770.444
11	2	79.5	5	1833		407.851
12	1	78.2	5			566.719
13	2	77.4	5	1351		299.486
14	2	85.8	5	1318		818.643

Type 5 Radar Waveform_23

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	67.1	17	1211		715.502
2	2	65.3	17	1356		860.93
3	2	79.7	17	1231		1158.48
4	1	69.1	17			475.18
5	1	59.6	17			1368.25
6	2	88.9	17	1696		777.88
7	3	63.1	17	1454	1745	686.31
8	1	62.9	17			695.5

Type 5 Radar Waveform_24

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	90.6	15			258.778
2	2	81.9	15	1254		227.86
3	2	98.2	15	1887		9.17
4	1	73.2	15			782.8
5	2	76.2	15	1062		629.37
6	1	77.1	15			416.62
7	1	90.1	15			342.44
8	2	86	15	1625		399.02
9	2	69.4	15	1779		276.01
10	2	81.2	15	1883		468.03
11	1	61.7	15			260.34
12	2	94.5	15	1512		707.89
13	1	71	15			167.4
14	3	70.9	15	1437	1381	70.3
15	3	91.9	15	1864	1704	169.4

Type 5 Radar Waveform_25

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	86.1	10			536.882
2	2	99.1	10	1322		98.26
3	2	99.1	10	1879		455.022
4	1	64.2	10			483.373
5	1	87.7	10			467.194
6	2	61.5	10	1855		623.405
7	2	98.9	10	1984		167.046
8	2	74.8	10	1709		491.417
9	3	85.7	10	1519	1677	8.058
10	1	73.6	10			406.819
11	2	87	10	1932		446.361
12	1	92	10			43.282
13	2	61.5	10	1512		307.183
14	2	73.7	10	1637		501.274
15	1	96	10			377.305
16	3	78.2	10	1190	1104	564.916
17	2	90.3	10	1805		122.037
18	1	60.3	10			510.458
19	2	92.3	10	1624		413.879

Type 5 Radar Waveform_26

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	70.7	14			808.825
2	2	68.7	14	1813		358.527
3	3	53.6	14	1983	1068	363.024
4	2	90	14	1626		423.931
5	1	90.9	14			384.759
6	1	69.9	14			731.156
7	1	83.2	14			279.583
8	2	66.2	14	1615		310.83
9	3	62.8	14	1562	1366	703.867
10	3	50.7	14	1370	1358	791.074
11	2	61.3	14	1260		337.981
12	2	69.6	14	1426		212.539
13	3	70.4	14	1992	1023	325.786
14	2	83.2	14	1190		255.843

Type 5 Radar Waveform_27

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	66	18	1177	1958	180.425
2	2	76.4	18	1770		189.684
3	1	52.6	18			356.29
4	2	89.6	18	1310		145.09
5	1	69	18			551.99
6	3	87.2	18	1833	1599	474.9
7	2	76.2	18	1540		127.43
8	3	51.3	18	1548	1570	320.69
9	1	78.8	18			335.26
10	2	81.1	18	1980		554.19
11	3	94.9	18	1421	1036	533.98
12	2	71.2	18	1726		270.5
13	2	90.1	18	1445		434.41
14	3	69.8	18	1113	1316	31.22
15	2	60	18	1451		163.99
16	2	81.5	18	1864		316.77
17	3	70	18	1626	1685	205.28
18	3	87.5	18	1459	1753	133
19	2	74.7	18	1444		205.8
20	1	83.3	18			565.4

Type 5 Radar Waveform_28

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	58.8	17	1287	1435	221.577
2	2	95.8	17	1356		404.533
3	3	86.7	17	1347	1436	104.727
4	2	70.5	17	1910		60.83
5	3	81.9	17	1183	1988	429.943
6	2	61	17	1375		9.027
7	2	63.2	17	1736		110.23
8	2	78.7	17	1111		217.243
9	2	52.5	17	1805		70.117
10	3	78.6	17	1653	1484	611.16
11	1	61.6	17			519.273
12	2	75.4	17	1617		629.317
13	1	57.2	17			570.03
14	2	58.5	17	1124		493.313
15	2	62.6	17	1643		140.527
16	1	50.5	17			636.1
17	2	60.1	17	1529		485.233
18	2	88.2	17	1636		290.567

Type 5 Radar Waveform_29

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	61.3	17			433.753
2	3	64.1	17	1605	1555	315.971
3	2	57.6	17	1126		155.372
4	2	83.1	17	1081		987.623
5	1	78	17			389.094
6	1	77.4	17			955.905
7	2	90.3	17	1347		87.595
8	3	51	17	1831	1814	590.616
9	1	51.9	17			313.897
10	2	78	17	1034		883.418
11	2	71.3	17	1999		22.209

Radar Type 6 - Radar Statistical Performance			
Trail #	1=Detection 0=No Detection	Trail #	1=Detection 0=No Detection
0	1	15	1
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
Detection Percentage (%)		100.0%	

Type 6 Radar Waveform_0

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
7	5.51	5.514	40	*
11	5.51	5.527	40	*
38	5.51	5.53	40	*
50	5.51	5.492	40	*
51	5.51	5.505	40	*
61	5.51	5.518	40	*

Type 6 Radar Waveform_1

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
13	5.51	5.521	40	*
25	5.51	5.491	40	*
37	5.51	5.512	40	*
40	5.51	5.492	40	*
54	5.51	5.514	40	*
62	5.51	5.517	40	*
82	5.51	5.494	40	*
90	5.51	5.52	40	*
100	5.51	5.506	40	*

Type 6 Radar Waveform_2

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.51	5.519	40	*
5	5.51	5.511	40	*
7	5.51	5.528	40	*
37	5.51	5.52	40	*
73	5.51	5.53	40	*
90	5.51	5.499	40	*

Type 6 Radar Waveform_3

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
7	5.51	5.498	40	*
11	5.51	5.504	40	*
29	5.51	5.516	40	*
32	5.51	5.506	40	*
33	5.51	5.501	40	*
54	5.51	5.502	40	*
78	5.51	5.49	40	*
90	5.51	5.505	40	*

Type 6 Radar Waveform_4					
	Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
	11	5.51	5.492	40	*
	16	5.51	5.522	40	*
	18	5.51	5.524	40	*
	56	5.51	5.499	40	*
	60	5.51	5.494	40	*

Type 6 Radar Waveform_5					
	Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
	9	5.51	5.515	40	*
	23	5.51	5.504	40	*
	41	5.51	5.512	40	*
	57	5.51	5.529	40	*
	62	5.51	5.511	40	*
	77	5.51	5.493	40	*

Type 6 Radar Waveform_6					
	Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
	14	5.51	5.506	40	*
	19	5.51	5.502	40	*
	47	5.51	5.514	40	*
	49	5.51	5.503	40	*
	52	5.51	5.499	40	*
	59	5.51	5.497	40	*
	94	5.51	5.501	40	*
	99	5.51	5.521	40	*

Type 6 Radar Waveform_7					
	Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
	40	5.51	5.522	40	*
	42	5.51	5.507	40	*
	70	5.51	5.528	40	*
	72	5.51	5.521	40	*
	92	5.51	5.501	40	*

Type 6 Radar Waveform_8

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.51	5.509	40	*
8	5.51	5.502	40	*
11	5.51	5.526	40	*
32	5.51	5.511	40	*
38	5.51	5.512	40	*
61	5.51	5.505	40	*
65	5.51	5.493	40	*
98	5.51	5.517	40	*

Type 6 Radar Waveform_9

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.51	5.495	40	*
6	5.51	5.504	40	*
41	5.51	5.514	40	*
49	5.51	5.499	40	*
56	5.51	5.517	40	*
63	5.51	5.503	40	*
77	5.51	5.524	40	*
87	5.51	5.523	40	*
88	5.51	5.492	40	*

Type 6 Radar Waveform_10

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.51	5.495	40	*
24	5.51	5.498	40	*
41	5.51	5.507	40	*
45	5.51	5.506	40	*
49	5.51	5.514	40	*
68	5.51	5.504	40	*
84	5.51	5.491	40	*
85	5.51	5.526	40	*

Type 6 Radar Waveform_11

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.51	5.506	40	*
6	5.51	5.507	40	*
12	5.51	5.508	40	*
36	5.51	5.513	40	*
70	5.51	5.51	40	*
87	5.51	5.509	40	*

Type 6 Radar Waveform_12

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.51	5.511	40	*
6	5.51	5.5	40	*
23	5.51	5.493	40	*
25	5.51	5.525	40	*
44	5.51	5.494	40	*
86	5.51	5.501	40	*
90	5.51	5.51	40	*
93	5.51	5.512	40	*
96	5.51	5.507	40	*

Type 6 Radar Waveform_13

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
8	5.51	5.5	40	*
48	5.51	5.494	40	*
60	5.51	5.512	40	*
75	5.51	5.515	40	*
89	5.51	5.493	40	*
90	5.51	5.511	40	*

Type 6 Radar Waveform_14

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.51	5.501	40	*
5	5.51	5.516	40	*
7	5.51	5.513	40	*
24	5.51	5.49	40	*
29	5.51	5.53	40	*
48	5.51	5.491	40	*
65	5.51	5.507	40	*
69	5.51	5.498	40	*
99	5.51	5.528	40	*

Type 6 Radar Waveform_15

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
14	5.51	5.493	40	*
16	5.51	5.5	40	*
45	5.51	5.515	40	*
62	5.51	5.492	40	*
81	5.51	5.497	40	*
91	5.51	5.517	40	*
98	5.51	5.512	40	*

Type 6 Radar Waveform_16

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.51	5.497	40	*
6	5.51	5.5	40	*
15	5.51	5.522	40	*
21	5.51	5.494	40	*
29	5.51	5.496	40	*
36	5.51	5.511	40	*
46	5.51	5.514	40	*
49	5.51	5.516	40	*
82	5.51	5.527	40	*
99	5.51	5.501	40	*

Type 6 Radar Waveform_17

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
20	5.51	5.51	40	*
23	5.51	5.529	40	*
25	5.51	5.507	40	*
66	5.51	5.503	40	*
70	5.51	5.523	40	*
74	5.51	5.511	40	*
87	5.51	5.519	40	*

Type 6 Radar Waveform_18

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.51	5.503	40	*
7	5.51	5.525	40	*
27	5.51	5.506	40	*
37	5.51	5.5	40	*
47	5.51	5.528	40	*
62	5.51	5.505	40	*
73	5.51	5.514	40	*

Type 6 Radar Waveform_19

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
11	5.51	5.503	40	*
27	5.51	5.512	40	*
32	5.51	5.509	40	*
66	5.51	5.511	40	*
90	5.51	5.508	40	*

Type 6 Radar Waveform_20

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
22	5.51	5.493	40	*
29	5.51	5.496	40	*
30	5.51	5.495	40	*
50	5.51	5.497	40	*
59	5.51	5.505	40	*
72	5.51	5.494	40	*
80	5.51	5.525	40	*
82	5.51	5.526	40	*
97	5.51	5.523	40	*

Type 6 Radar Waveform_21

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
17	5.51	5.503	40	*
27	5.51	5.504	40	*
43	5.51	5.512	40	*
48	5.51	5.499	40	*
49	5.51	5.514	40	*
57	5.51	5.511	40	*
58	5.51	5.521	40	*
60	5.51	5.53	40	*
61	5.51	5.5	40	*
70	5.51	5.496	40	*
78	5.51	5.498	40	*

Type 6 Radar Waveform_22

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
9	5.51	5.495	40	*
24	5.51	5.508	40	*
30	5.51	5.505	40	*
79	5.51	5.491	40	*
81	5.51	5.528	40	*
83	5.51	5.498	40	*
89	5.51	5.522	40	*
90	5.51	5.523	40	*

Type 6 Radar Waveform_23

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
11	5.51	5.523	40	*
16	5.51	5.496	40	*
20	5.51	5.502	40	*
45	5.51	5.49	40	*
80	5.51	5.492	40	*
85	5.51	5.495	40	*
98	5.51	5.521	40	*

Type 6 Radar Waveform_24

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.51	5.49	40	*
14	5.51	5.509	40	*
22	5.51	5.515	40	*
31	5.51	5.518	40	*
42	5.51	5.523	40	*
50	5.51	5.514	40	*
54	5.51	5.498	40	*
58	5.51	5.504	40	*

Type 6 Radar Waveform_25

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.51	5.49	40	*
17	5.51	5.511	40	*
30	5.51	5.495	40	*
57	5.51	5.527	40	*
62	5.51	5.5	40	*
64	5.51	5.512	40	*

Type 6 Radar Waveform_26

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
22	5.51	5.518	40	*
28	5.51	5.501	40	*
34	5.51	5.502	40	*
48	5.51	5.503	40	*
77	5.51	5.522	40	*
82	5.51	5.517	40	*
83	5.51	5.495	40	*
87	5.51	5.492	40	*
93	5.51	5.496	40	*
94	5.51	5.519	40	*

Type 6 Radar Waveform_27					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
6	5.51	5.49	40	*	
38	5.51	5.517	40	*	
40	5.51	5.506	40	*	
54	5.51	5.511	40	*	

Type 6 Radar Waveform_28					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
11	5.51	5.514	40	*	
15	5.51	5.503	40	*	
24	5.51	5.492	40	*	
36	5.51	5.516	40	*	
39	5.51	5.49	40	*	
54	5.51	5.511	40	*	
66	5.51	5.497	40	*	
87	5.51	5.502	40	*	
90	5.51	5.512	40	*	

Type 6 Radar Waveform_29					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
25	5.51	5.504	40	*	
40	5.51	5.502	40	*	
51	5.51	5.503	40	*	
61	5.51	5.513	40	*	
66	5.51	5.516	40	*	
70	5.51	5.52	40	*	
77	5.51	5.499	40	*	
93	5.51	5.525	40	*	
99	5.51	5.491	40	*	



Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022/04/15		
Test Item	Radar Statistical Performance Check (802.11ax-HE80 – 5530MHz)		

Radar Type 1-4 - Radar Statistical Performance								
Trial	Radar Type 1		Radar Type 2		Radar Type 3		Radar Type 4	
	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect
0	5537	1	5529	1	5518	1	5494	1
1	5557	1	5550	1	5527	1	5566	1
2	5530	1	5535	1	5494	1	5496	1
3	5499	1	5537	1	5524	1	5518	1
4	5537	1	5552	1	5496	1	5567	1
5	5532	1	5563	1	5503	1	5490	1
6	5550	1	5497	1	5534	1	5498	1
7	5569	1	5530	1	5535	1	5551	1
8	5535	1	5569	1	5507	1	5521	1
9	5500	1	5521	1	5516	1	5533	1
10	5509	1	5523	1	5559	1	5559	1
11	5499	1	5530	1	5530	1	5530	1
12	5560	1	5562	1	5560	1	5498	1
13	5524	1	5521	1	5507	1	5510	1
14	5532	1	5514	1	5490	1	5508	1
15	5570	1	5490	1	5570	1	5534	1
16	5556	1	5553	1	5560	1	5521	1
17	5522	1	5544	1	5533	1	5501	1
18	5542	1	5496	1	5511	1	5533	1
19	5490	1	5504	1	5542	1	5540	1
20	5502	1	5553	1	5521	1	5570	1
21	5529	1	5539	1	5495	1	5510	1
22	5551	1	5562	1	5555	1	5566	1
23	5543	1	5518	1	5511	1	5567	1
24	5528	0	5570	1	5500	1	5522	1
25	5519	1	5563	1	5563	1	5504	1
26	5502	1	5554	1	5534	1	5523	1
27	5550	1	5514	1	5538	1	5561	1
28	5495	1	5537	1	5555	1	5558	1

Radar Type 1-4 - Radar Statistical Performance								
Trial	Radar Type 1		Radar Type 2		Radar Type 3		Radar Type 4	
	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect
29	5570	1	5491	1	5569	1	5494	1
Probability:	96.7%		100.0%		100.0%		100.0%	
Aggregate:	99.2% (>80%)							

Radar Type 1 - Radar Waveform					Radar Type 2 - Radar Waveform				
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μs)	Detection (yes/no)	Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μs)	Detection (yes/no)
1	78	1	678		1	23	2.5	156	
2	59	1	898		2	29	1.8	198	
3	95	1	558		3	28	3.4	221	
4	59	1	898		4	25	3.6	226	
5	57	1	938		5	25	3.1	180	
6	83	1	638		6	28	2.8	186	
7	63	1	838		7	28	3.4	210	
8	58	1	918		8	26	4.9	212	
9	95	1	558		9	28	4.1	184	
10	89	1	598		10	27	1.1	195	
11	86	1	618		11	24	1.7	215	
12	68	1	778		12	28	2.5	199	
13	78	1	678		13	26	4.7	167	
14	57	1	938		14	26	1.2	160	
15	78	1	678		15	26	2.2	206	
16	68	1	778		16	27	4.2	170	
17	65	1	818		17	27	3.5	170	
18	62	1	858		18	27	3	228	
19	95	1	558		19	26	3.9	218	
20	102	1	518		20	26	3	208	
21	76	1	698		21	26	4.5	187	
22	89	1	598		22	28	2.4	203	
23	61	1	878		23	23	1.6	223	
24	98	1	538		24	27	4.2	187	
25	74	1	718		25	24	3.5	197	
26	102	1	518		26	28	1.7	212	
27	86	1	618		27	23	4.7	172	
28	68	1	778		28	27	1.3	219	
29	18	1	3066		29	23	2.7	228	
30	81	1	658		30	25	3.3	174	



Radar Type 3 - Radar Waveform					Radar Type 4 - Radar Waveform				
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μs)	Detection (yes/no)	Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μs)	Detection (yes/no)
1	16	9.5	322		1	13	16.4	448	
2	16	8.2	250		2	12	19.6	388	
3	18	8.7	200		3	15	17.8	232	
4	16	8.8	328		4	15	12.4	253	
5	18	10	276		5	13	15.9	372	
6	17	8.4	335		6	14	14.4	214	
7	17	9.3	427		7	15	12	209	
8	18	6.7	404		8	15	19.3	248	
9	17	7.7	283		9	15	18.4	435	
10	17	9.5	262		10	14	16.7	402	
11	18	6.7	492		11	12	16	303	
12	18	8.2	367		12	14	14.5	496	
13	18	9.7	218		13	16	13.8	458	
14	18	7.2	306		14	13	18.8	377	
15	17	6.3	224		15	14	16.3	389	
16	16	7.2	377		16	16	13.1	211	
17	17	6.6	490		17	15	13.3	250	
18	17	8.9	350		18	14	11.2	361	
19	16	7.9	425		19	13	15.9	215	
20	16	9.9	334		20	14	13.2	243	
21	18	9.2	490		21	16	12.4	467	
22	17	9	425		22	15	13.3	316	
23	17	8.6	361		23	14	15.7	436	
24	17	6.1	314		24	12	11.2	461	
25	17	9.4	205		25	13	19.7	352	
26	16	7.8	307		26	12	16.3	403	
27	17	7.6	469		27	12	11.9	374	
28	17	10	499		28	15	16.6	242	
29	18	9.4	225		29	13	19.3	318	
30	16	8.1	478		30	16	19.1	262	

Radar Type 5 - Radar Statistical Performance					
Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
0	5530	1	15	5492	1
1	5530	1	16	5498	1
2	5530	1	17	5497.2	1
3	5530	1	18	5495.2	1
4	5530	1	19	5495.2	1
5	5530	1	20	5566.8	1
6	5530	1	21	5564.4	1
7	5530	1	22	5563.6	1
8	5530	1	23	5566.4	1
9	5530	1	24	5563.6	1
10	5498	1	25	5567.6	1
11	5497.6	1	26	5568	1
12	5495.6	1	27	5565.2	1
13	5495.6	1	28	5564.4	1
14	5492.8	1	29	5565.2	1
Detection Percentage (%)			100.0%		

Type 5 Radar Waveform_0

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	80.2	6	1292		73.836
2	2	84.7	6	1389		67.586
3	2	88.9	6	1169		177.647
4	2	75.2	6	1055		419.17
5	2	55.4	6	1032		222.693
6	2	75.7	6	1596		456.517
7	1	85.2	6			53.77
8	2	56.3	6	1117		506.473
9	2	61.4	6	1940		620.527
10	2	91.4	6	1132		505.95
11	3	67.4	6	1267	1229	208.013
12	2	78	6	1819		261.757
13	2	57.2	6	1509		286.83
14	3	95.2	6	1329	1872	499.043
15	2	62.2	6	1523		156.907
16	2	96.3	6	1414		82.7
17	2	85.4	6	1429		98.633
18	1	98	6			648.567

Type 5 Radar Waveform_1

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	74.7	12	1515	1452	985.368
2	3	88.7	12	1277	1285	342.377
3	1	69.2	12			1071.093
4	2	73	12	1553		744.12
5	3	68.2	12	1532	1978	253.917
6	3	73.8	12	1282	1625	563.243
7	1	64	12			523.35
8	2	74.3	12	1429		137.207
9	2	61.8	12	1801		1294.933

Type 5 Radar Waveform_2

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	65.3	10	1979	1059	878.188
2	3	72.4	10	1608	1580	144.537
3	2	95	10	1522		647.173
4	1	58.7	10			1025.27
5	1	54.3	10			452.137
6	2	50.5	10	1803		556.353
7	2	87.1	10	1430		1012.19
8	3	95.2	10	1311	1071	1281.367
9	2	86.7	10	1022		1272.133

Type 5 Radar Waveform_3

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	83.8	18			892.298
2	2	75.2	18	1059		768.643
3	2	54.1	18	1175		597.836
4	2	70.6	18	1289		272.849
5	3	69.6	18	1133	1479	593.322
6	3	84.8	18	1098	1227	643.795
7	2	83.6	18	1135		534.638
8	3	73.3	18	1165	1681	349.922
9	2	81.8	18	1802		587.415
10	2	98.1	18	1597		657.618
11	3	69.6	18	1417	1995	353.801
12	2	85.2	18	1620		682.154
13	2	50.1	18	1584		727.377

Type 5 Radar Waveform_4

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	96.2	5	1154		751.181
2	1	77	5			75.963
3	3	71	5	1164	1175	541.324
4	1	88.7	5			113.811
5	2	59	5	1496		53.699
6	2	62	5	1518		42.956
7	1	82.8	5			816.203
8	2	91	5	1651		626.78
9	2	77.5	5	1917		44.907
10	3	82.5	5	1464	1174	842.994
11	2	72.4	5	1276		510.061
12	3	90	5	1481	1816	644.129
13	1	82.2	5			806.186
14	1	62.9	5			147.843

Type 5 Radar Waveform_5

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	60.3	15	1471		621.401
2	3	98.6	15	1952	1917	601.277
3	1	75.8	15			1013.673
4	1	87.7	15			406
5	2	74.4	15	1857		491.437
6	1	78.2	15			1062.303
7	3	64.5	15	1361	1381	663.85
8	2	53.6	15	1165		1199.667
9	2	66.2	15	1731		1119.533

Type 5 Radar Waveform_6

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	53	12			237.538
2	2	94.8	12	1468		40.512
3	3	75.4	12	1433	1589	543.767
4	2	52.8	12	1658		357.18
5	2	85.3	12	1370		267.593
6	2	73.1	12	1827		457.407
7	1	61.8	12			42.31
8	3	77.6	12	1320	1039	549.953
9	1	93.7	12			364.947
10	1	79.7	12			381.48
11	1	58.4	12			42.603
12	3	70.7	12	1153	1395	354.327
13	1	87.7	12			657.25
14	1	56.3	12			42.053
15	2	52.4	12	1927		589.937
16	2	59.1	12	1164		67.7
17	2	69.6	12	1737		132.033
18	2	50	12	1525		201.967

Type 5 Radar Waveform_7

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	76.6	10	1442		384.895
2	2	82.6	10	1268		693.538
3	2	84.6	10	1182		316.665
4	2	91.9	10	1185		588.413
5	3	88.2	10	1635	1645	40.491
6	3	90	10	1940	1011	597.078
7	2	98.5	10	1265		165.386
8	1	70.4	10			181.564
9	2	66.6	10	1847		323.641
10	3	68.8	10	1578	1999	334.559
11	1	73.3	10			54.916
12	2	80.6	10	1954		334.494
13	1	76.5	10			21.272
14	2	70	10	1970		17.949
15	3	94.2	10	1260	1323	526.947
16	3	71.5	10	1911	1954	524.365
17	2	83.6	10	1447		124.082

Type 5 Radar Waveform_8

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	56.4	7	1679		116.094
2	3	56.1	7	1892	1168	499.053
3	1	56.1	7			789.676
4	1	91.9	7			388.779
5	2	69.7	7	1355		297.682
6	2	96.7	7	1191		678.215
7	1	59.2	7			627.108
8	2	66	7	1390		738.792
9	2	88.8	7	1019		726.825
10	3	59.9	7	1039	1911	381.778
11	3	84.7	7	1068	1395	649.001
12	3	71.2	7	1660	1203	26.954
13	2	73.5	7	1664		278.977

Type 5 Radar Waveform_9

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	95.8	16	1907	1244	63.734
2	3	88	16	1066	1646	62.208
3	1	92.4	16			273.41
4	1	76.8	16			118.29
5	2	52.9	16	1118		700.89
6	2	94	16	1320		652.36
7	1	84.6	16			773.23
8	1	84.1	16			787.2
9	2	71.8	16	1041		623.01
10	3	87.7	16	1547	1016	295.72
11	2	82.1	16	1548		353.3
12	2	99	16	1639		760.69
13	2	88.2	16	1384		376.21
14	1	67.2	16			337.3
15	2	77.8	16	1230		3.4

Type 5 Radar Waveform_10

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	97.1	20	1742	1531	617.676
2	1	74.9	20			235.853
3	1	60.2	20			165.275
4	2	62.4	20	1984		144.063
5	1	60.5	20			604.281
6	2	65.5	20	1676		515.518
7	1	95.2	20			466.886
8	2	93.2	20	1071		275.604
9	3	73.7	20	1889	1527	97.251
10	1	86.5	20			633.029
11	1	70	20			210.706
12	2	79.6	20	1475		230.904
13	2	70.4	20	1976		92.892
14	3	79.1	20	1474	1653	501.909
15	2	66.1	20	1856		210.947
16	3	69.5	20	1773	1780	34.265
17	2	77.2	20	1089		657.982

Type 5 Radar Waveform_11

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	57.3	19	1685	1690	548.749
2	2	62.1	19	1528		571.06
3	3	59.6	19	1210	1679	565.06
4	1	54.3	19			669.5
5	3	65.6	19	1679	1581	358.79
6	3	65.9	19	1762	1299	298.13
7	3	96.5	19	1231	1246	389.02
8	1	93.1	19			368.75
9	2	94.1	19	1812		365.12
10	1	74.5	19			596.01
11	3	80.7	19	1950	1007	153.69
12	3	72.2	19	1860	1599	546.57
13	1	92.8	19			545.9
14	3	82.9	19	1076	1800	219
15	3	99.2	19	1006	1368	508.7

Type 5 Radar Waveform_12

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	57	14	1595		524.456
2	1	64.7	14			238.743
3	1	51.1	14			235.776
4	2	65.6	14	1778		709.489
5	2	59.6	14	1184		829.962
6	3	99.7	14	1138	1005	446.505
7	2	51.3	14	1642		497.258
8	2	84.5	14	1667		591.132
9	2	90.6	14	1825		719.715
10	3	58	14	1874	1024	234.678
11	2	66	14	1977		469.641
12	2	88	14	1080		875.654
13	3	81.1	14	1486	1218	606.877

Type 5 Radar Waveform_13

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	78.2	14	1421	1338	690.221
2	2	92.3	14	1523		792.71
3	1	79	14			481.64
4	1	88.4	14			516.06
5	3	63.1	14	1374	1738	890.73
6	3	54.3	14	1512	1371	871.41
7	2	55.8	14	1432		235.41
8	2	91.9	14	1354		576.96
9	2	93	14	1625		21.83
10	2	54.4	14	1203		872.31
11	2	74.3	14	1686		125
12	2	53.9	14	1349		510.5

Type 5 Radar Waveform_14

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	74.8	7	1753		272.894
2	3	65.6	7	1597	1574	20.225
3	3	70	7	1609	1276	126.092
4	2	80.9	7	1409		24.033
5	3	61.8	7	1121	1559	488.504
6	2	76.9	7	1305		169.845
7	3	94.3	7	1661	1916	192.996
8	3	74.9	7	1034	1233	69.847
9	1	98	7			565.888
10	1	82.5	7			188.239
11	1	81	7			125.191
12	2	56.2	7	1915		387.212
13	1	57.7	7			106.803
14	2	91	7	1914		469.254
15	1	87.9	7			494.355
16	3	68.1	7	1299	1288	102.866
17	2	54.6	7	1680		594.037
18	2	94.5	7	1696		527.258
19	2	51.9	7	1082		104.379

Type 5 Radar Waveform_15

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	58.9	5	1821		326.999
2	3	77.5	5	1319	1881	402.181
3	1	95.5	5			1051.622
4	2	84.2	5	1322		808.563
5	2	70.4	5	1148		374.044
6	2	81.9	5	1234		575.975
7	3	56.1	5	1694	1461	1043.455
8	1	54.5	5			508.686
9	1	100	5			515.777
10	2	61.8	5	1780		121.868
11	3	58.3	5	1455	1451	465.209

Type 5 Radar Waveform_16

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	73.9	20	1953	1708	272.448
2	1	92.9	20			254.521
3	2	81	20	1862		442.33
4	1	85.7	20			133.53
5	1	79.5	20			546.68
6	2	75.9	20	1101		103.64
7	1	63.9	20			179.5
8	3	81.6	20	1584	1848	39.11
9	1	80.2	20			250.57
10	2	86.9	20	1554		532.77
11	3	57.6	20	1085	1585	374.16
12	2	54.2	20	1446		202.69
13	3	69.7	20	1932	1577	75.1
14	2	93.6	20	1839		412.07
15	2	63	20	1394		401.78
16	1	99.7	20			338.17
17	2	91.5	20	1211		135.34
18	2	88.4	20	1440		561.5
19	2	60.6	20	1039		583.5
20	1	80.6	20			368.3

Type 5 Radar Waveform_17

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	66.4	18	1499		1160.63
2	2	75	18	1070		426.55
3	2	51.7	18	1222		1165.3
4	1	66	18			343.39
5	1	64.5	18			1045.79
6	3	96.7	18	1211	1648	278.69
7	2	59.2	18	1666		480.9
8	3	79.6	18	1550	1319	21.34
9	3	51.2	18	1510	1145	966.8
10	3	83.8	18	1366	1280	639.6

Type 5 Radar Waveform_18

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	54.3	13	1448	1427	618.56
2	1	57	13			483.951
3	2	77.7	13	1485		340.482
4	1	97.6	13			154.573
5	2	83.1	13	1598		263.094
6	2	96.4	13	1597		541.135
7	3	56.1	13	1538	1778	240.276
8	3	88.6	13	1974	1662	564.277
9	2	92.7	13	1392		360.188
10	2	69.5	13	1195		204.169
11	2	84.8	13	1349		550.141
12	2	73.9	13	1085		150.342
13	2	88.8	13	1347		451.443
14	2	74.1	13	1352		548.354
15	2	92.9	13	1197		439.175
16	2	95.5	13	1844		545.216
17	2	92.1	13	1701		173.237
18	2	73.8	13	1754		608.058
19	2	69.1	13	1991		305.579

Type 5 Radar Waveform_19

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	74.9	13			190.285
2	2	69.8	13	1781		125.161
3	2	97.4	13	1936		537.342
4	2	51.8	13	1440		439.343
5	3	60.8	13	1960	1876	447.364
6	3	71.5	13	1303	1105	696.175
7	1	79.7	13			805.505
8	1	79.9	13			475.046
9	2	62.8	13	1424		783.147
10	1	95.8	13			475.418
11	2	57.9	13	1316		510.009

Type 5 Radar Waveform_20

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	67.8	8	1668		186.226
2	3	80.5	8	1104	1916	459.981
3	2	78.2	8	1520		421.672
4	2	87.1	8	1712		91.493
5	2	74.7	8	1853		237.934
6	3	50	8	1401	1501	103.405
7	2	63.9	8	1627		472.216
8	2	77	8	1507		22.677
9	2	53.9	8	1503		335.238
10	2	64.9	8	1878		321.989
11	2	72.5	8	1471		520.231
12	2	98.2	8	1940		262.582
13	3	99.5	8	1091	1367	356.673
14	1	88.2	8			610.974
15	1	89.4	8			450.075
16	3	95.5	8	1818	1854	231.136
17	1	89.4	8			290.037
18	1	67.2	8			602.958
19	2	63.6	8	1894		237.279

Type 5 Radar Waveform_21

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	99.8	14	1358	1003	190.892
2	2	61.5	14	1948		574.638
3	1	93.6	14			644.625
4	2	73.3	14	1851		373.123
5	1	78.8	14			429.711
6	3	70.8	14	1832	1836	235.848
7	2	85.9	14	1330		251.126
8	2	70	14	1605		279.784
9	2	62	14	1503		612.201
10	1	56.9	14			41.379
11	2	70.6	14	1970		345.426
12	2	96.3	14	1494		581.594
13	3	94.2	14	1095	1960	233.952
14	3	96.3	14	1543	1535	506.579
15	3	54.5	14	1815	1088	420.747
16	2	90.8	14	1947		145.865
17	2	89.1	14	1266		169.082

Type 5 Radar Waveform_22

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	90.9	16	1219	1101	55.323
2	3	65.1	16	1484	1233	244.007
3	3	51.7	16	1450	1087	421.173
4	1	51.8	16			907.85
5	3	65.7	16	1060	1065	545.417
6	2	80.8	16	1765		836.963
7	3	99.5	16	1686	1076	916.94
8	3	83.3	16	1656	1948	361.407
9	2	97.3	16	1277		1294.733

Type 5 Radar Waveform_23

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	65.9	9	1154	1921	822.565
2	1	86.2	9			780.09
3	2	79.9	9	1522		185.79
4	2	55.2	9	1393		454.51
5	1	56.4	9			89.85
6	3	59.9	9	1869	1702	564.38
7	2	89.2	9	1633		802.4
8	3	77.9	9	1147	1392	409.76
9	2	57.2	9	1180		109.15
10	3	65.2	9	1572	1093	276.34
11	1	71.2	9			846.5
12	1	79.9	9			956.7

Type 5 Radar Waveform_24

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	72.4	16	1325		899.734
2	2	61.9	16	1287		257.92
3	2	76	16	1260		184.23
4	3	64.6	16	1961	1773	749.62
5	1	68.7	16			528.28
6	2	88.6	16	1417		506.09
7	2	69.1	16	1367		434.83
8	2	79.6	16	1456		72.57
9	2	97.5	16	1788		557.39
10	3	58.7	16	1299	1669	836.18
11	2	78.5	16	1440		866.5
12	3	74.7	16	1254	1613	622.2

Type 5 Radar Waveform_25

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	59.7	6	1163	1752	471.074
2	3	75.5	6	1350	1519	234.327
3	2	55	6	1334		876.593
4	2	60.2	6	1162		1166.97
5	1	92	6			490.347
6	2	85.5	6	1742		76.523
7	3	91.1	6	1457	1224	932.89
8	1	53.7	6			714.967
9	1	82.9	6			72.833

Type 5 Radar Waveform_26

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	80.7	5			545.097
2	1	80.8	5			225.463
3	1	88.4	5			838.446
4	3	89.7	5	1626	1893	13.089
5	2	78.2	5	1323		732.872
6	2	65.4	5	1144		248.315
7	3	62.9	5	1511	1062	351.438
8	2	62.1	5	1639		916.952
9	2	74	5	1681		632.845
10	2	58.5	5	1702		108.728
11	2	81	5	1123		640.051
12	2	78.5	5	1553		158.554
13	1	89	5			67.377

Type 5 Radar Waveform_27

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	68.6	12	1353	1525	719.858
2	1	68	12			666.81
3	1	93.9	12			1054.71
4	2	81.5	12	1421		1113.07
5	3	95.4	12	1542	1161	321.26
6	2	84.7	12	1435		1123.8
7	2	66.3	12	1065		244.04
8	3	61.8	12	1868	1162	215.41
9	2	98.7	12	1599		517.9
10	1	63.4	12			464.5

Type 5 Radar Waveform_28

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	70.5	14	1973		680.566
2	3	79	14	1007	1119	437.62
3	1	97.7	14			102.95
4	2	54.8	14	1380		561.48
5	1	66.9	14			21.46
6	1	67.7	14			20.84
7	2	65.8	14	1340		594.74
8	2	73.6	14	1203		473.85
9	1	98	14			599.79
10	1	51.3	14			792.51
11	3	85.4	14	1390	1141	463
12	2	64	14	1903		265.6

Type 5 Radar Waveform_29

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	57.5	12	1008		119.937
2	1	71.6	12			894.72
3	1	78.9	12			865.27
4	2	71.9	12	1041		578.93
5	1	83.9	12			158.8
6	1	71.1	12			412.53
7	2	83.5	12	1490		298.02
8	2	74.5	12	1495		706.81
9	2	91.5	12	1943		736.71
10	1	68.6	12			211.42
11	2	71.4	12	1242		869.2
12	3	69.9	12	1347	1603	14.8

Radar Type 6 - Radar Statistical Performance			
Trail #	1=Detection 0=No Detection	Trail #	1=Detection 0=No Detection
0	1	15	1
1	1	16	1
2	1	17	1
3	1	18	1
4	1	19	1
5	1	20	1
6	1	21	0
7	1	22	1
8	1	23	1
9	1	24	1
10	1	25	1
11	1	26	0
12	1	27	1
13	1	28	1
14	1	29	1
Detection Percentage (%)		93.3%	

Type 6 Radar Waveform_0

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.522	80	*
4	5.53	5.516	80	*
14	5.53	5.502	80	*
17	5.53	5.54	80	*
21	5.53	5.542	80	*
23	5.53	5.539	80	*
26	5.53	5.531	80	*
35	5.53	5.557	80	*
36	5.53	5.503	80	*
37	5.53	5.519	80	*
45	5.53	5.498	80	*
52	5.53	5.532	80	*
54	5.53	5.544	80	*
58	5.53	5.497	80	*
59	5.53	5.506	80	*
61	5.53	5.561	80	*
65	5.53	5.57	80	*
70	5.53	5.529	80	*
73	5.53	5.513	80	*
76	5.53	5.495	80	*
77	5.53	5.53	80	*
83	5.53	5.541	80	*
88	5.53	5.491	80	*
94	5.53	5.504	80	*

Type 6 Radar Waveform_1

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.562	80	*
5	5.53	5.49	80	*
11	5.53	5.5	80	*
16	5.53	5.566	80	*
21	5.53	5.501	80	*
23	5.53	5.522	80	*
25	5.53	5.519	80	*
44	5.53	5.502	80	*
52	5.53	5.549	80	*
76	5.53	5.525	80	*
79	5.53	5.491	80	*
96	5.53	5.507	80	*
100	5.53	5.496	80	*

Type 6 Radar Waveform_2

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
8	5.53	5.495	80	*
31	5.53	5.492	80	*
33	5.53	5.516	80	*
38	5.53	5.5	80	*
46	5.53	5.504	80	*
61	5.53	5.529	80	*
63	5.53	5.534	80	*
68	5.53	5.566	80	*
69	5.53	5.531	80	*
71	5.53	5.524	80	*
73	5.53	5.563	80	*
80	5.53	5.56	80	*

Type 6 Radar Waveform_3

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.53	5.554	80	*
9	5.53	5.57	80	*
11	5.53	5.518	80	*
14	5.53	5.556	80	*
19	5.53	5.529	80	*
20	5.53	5.53	80	*
22	5.53	5.498	80	*
27	5.53	5.514	80	*
31	5.53	5.541	80	*
36	5.53	5.552	80	*
37	5.53	5.506	80	*
48	5.53	5.524	80	*
58	5.53	5.547	80	*
63	5.53	5.507	80	*
68	5.53	5.523	80	*
73	5.53	5.503	80	*
89	5.53	5.539	80	*
91	5.53	5.555	80	*

Type 6 Radar Waveform_4

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.53	5.561	80	*
7	5.53	5.552	80	*
12	5.53	5.536	80	*
16	5.53	5.511	80	*
41	5.53	5.544	80	*
45	5.53	5.551	80	*
47	5.53	5.542	80	*
49	5.53	5.527	80	*
60	5.53	5.554	80	*
61	5.53	5.565	80	*
75	5.53	5.55	80	*
77	5.53	5.512	80	*
81	5.53	5.494	80	*
83	5.53	5.529	80	*
85	5.53	5.522	80	*
94	5.53	5.555	80	*
100	5.53	5.56	80	*

Type 6 Radar Waveform_5

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.515	80	*
2	5.53	5.497	80	*
8	5.53	5.501	80	*
29	5.53	5.551	80	*
35	5.53	5.553	80	*
39	5.53	5.522	80	*
41	5.53	5.552	80	*
47	5.53	5.529	80	*
50	5.53	5.514	80	*
64	5.53	5.531	80	*
75	5.53	5.492	80	*
76	5.53	5.561	80	*
90	5.53	5.555	80	*
92	5.53	5.564	80	*
98	5.53	5.548	80	*

Type 6 Radar Waveform_6

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.53	5.5	80	*
4	5.53	5.54	80	*
25	5.53	5.513	80	*
30	5.53	5.557	80	*
39	5.53	5.525	80	*
40	5.53	5.569	80	*
45	5.53	5.512	80	*
46	5.53	5.534	80	*
71	5.53	5.531	80	*
86	5.53	5.561	80	*
96	5.53	5.558	80	*
100	5.53	5.496	80	*

Type 6 Radar Waveform_7

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.53	5.519	80	*
9	5.53	5.518	80	*
13	5.53	5.496	80	*
24	5.53	5.524	80	*
28	5.53	5.546	80	*
30	5.53	5.544	80	*
32	5.53	5.542	80	*
35	5.53	5.549	80	*
47	5.53	5.511	80	*
48	5.53	5.541	80	*
49	5.53	5.555	80	*
59	5.53	5.565	80	*
62	5.53	5.56	80	*
72	5.53	5.498	80	*
74	5.53	5.54	80	*
82	5.53	5.557	80	*
89	5.53	5.504	80	*
93	5.53	5.499	80	*
98	5.53	5.5	80	*
99	5.53	5.522	80	*

Type 6 Radar Waveform_8

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.53	5.514	80	*
14	5.53	5.519	80	*
15	5.53	5.525	80	*
28	5.53	5.566	80	*
33	5.53	5.542	80	*
67	5.53	5.522	80	*
79	5.53	5.569	80	*
81	5.53	5.518	80	*
84	5.53	5.55	80	*
92	5.53	5.56	80	*
96	5.53	5.547	80	*

Type 6 Radar Waveform_9

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.53	5.543	80	*
14	5.53	5.532	80	*
16	5.53	5.503	80	*
18	5.53	5.531	80	*
19	5.53	5.494	80	*
20	5.53	5.561	80	*
22	5.53	5.492	80	*
23	5.53	5.537	80	*
27	5.53	5.557	80	*
33	5.53	5.525	80	*
35	5.53	5.504	80	*
40	5.53	5.499	80	*
50	5.53	5.513	80	*
56	5.53	5.569	80	*
67	5.53	5.508	80	*
72	5.53	5.522	80	*
73	5.53	5.521	80	*
76	5.53	5.553	80	*
82	5.53	5.49	80	*
89	5.53	5.512	80	*
91	5.53	5.565	80	*

Type 6 Radar Waveform_10

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.53	5.507	80	*
13	5.53	5.525	80	*
22	5.53	5.52	80	*
25	5.53	5.521	80	*
28	5.53	5.491	80	*
41	5.53	5.498	80	*
52	5.53	5.544	80	*
57	5.53	5.55	80	*
64	5.53	5.537	80	*
67	5.53	5.514	80	*
78	5.53	5.505	80	*
82	5.53	5.509	80	*
95	5.53	5.495	80	*
98	5.53	5.515	80	*

Type 6 Radar Waveform_11

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.559	80	*
5	5.53	5.561	80	*
7	5.53	5.49	80	*
9	5.53	5.503	80	*
13	5.53	5.543	80	*
14	5.53	5.524	80	*
17	5.53	5.536	80	*
18	5.53	5.502	80	*
20	5.53	5.549	80	*
21	5.53	5.5	80	*
22	5.53	5.516	80	*
26	5.53	5.497	80	*
37	5.53	5.553	80	*
41	5.53	5.531	80	*
60	5.53	5.555	80	*
70	5.53	5.509	80	*
86	5.53	5.56	80	*
87	5.53	5.554	80	*
89	5.53	5.506	80	*
90	5.53	5.538	80	*
92	5.53	5.499	80	*
95	5.53	5.537	80	*

Type 6 Radar Waveform_12

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.524	80	*
4	5.53	5.515	80	*
10	5.53	5.519	80	*
15	5.53	5.534	80	*
16	5.53	5.541	80	*
17	5.53	5.555	80	*
23	5.53	5.525	80	*
24	5.53	5.508	80	*
37	5.53	5.552	80	*
43	5.53	5.506	80	*
45	5.53	5.553	80	*
50	5.53	5.539	80	*
52	5.53	5.499	80	*
53	5.53	5.54	80	*
62	5.53	5.493	80	*
72	5.53	5.556	80	*
81	5.53	5.521	80	*
86	5.53	5.51	80	*
93	5.53	5.501	80	*
95	5.53	5.569	80	*

Type 6 Radar Waveform_13

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.51	80	*
9	5.53	5.538	80	*
15	5.53	5.49	80	*
41	5.53	5.561	80	*
50	5.53	5.549	80	*
55	5.53	5.53	80	*
67	5.53	5.514	80	*
78	5.53	5.518	80	*
79	5.53	5.539	80	*
89	5.53	5.559	80	*
94	5.53	5.551	80	*
100	5.53	5.493	80	*

Type 6 Radar Waveform_14

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.53	5.548	80	*
27	5.53	5.552	80	*
39	5.53	5.519	80	*
41	5.53	5.502	80	*
50	5.53	5.559	80	*
60	5.53	5.568	80	*
64	5.53	5.497	80	*
70	5.53	5.499	80	*
72	5.53	5.562	80	*
73	5.53	5.57	80	*
82	5.53	5.504	80	*
83	5.53	5.546	80	*
89	5.53	5.496	80	*
92	5.53	5.551	80	*
94	5.53	5.527	80	*
98	5.53	5.558	80	*
99	5.53	5.515	80	*

Type 6 Radar Waveform_15

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.562	80	*
6	5.53	5.527	80	*
7	5.53	5.545	80	*
10	5.53	5.566	80	*
12	5.53	5.505	80	*
18	5.53	5.544	80	*
23	5.53	5.525	80	*
32	5.53	5.558	80	*
37	5.53	5.513	80	*
47	5.53	5.524	80	*
51	5.53	5.51	80	*
56	5.53	5.504	80	*
57	5.53	5.533	80	*
61	5.53	5.55	80	*
65	5.53	5.541	80	*
71	5.53	5.509	80	*
74	5.53	5.516	80	*
83	5.53	5.492	80	*
92	5.53	5.49	80	*

Type 6 Radar Waveform_16					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
3	5.53	5.498	80	*	
11	5.53	5.509	80	*	
12	5.53	5.504	80	*	
16	5.53	5.492	80	*	
19	5.53	5.513	80	*	
21	5.53	5.533	80	*	
22	5.53	5.491	80	*	
36	5.53	5.527	80	*	
52	5.53	5.537	80	*	
54	5.53	5.557	80	*	
55	5.53	5.507	80	*	
56	5.53	5.545	80	*	
58	5.53	5.497	80	*	
61	5.53	5.536	80	*	
72	5.53	5.542	80	*	
73	5.53	5.494	80	*	
91	5.53	5.519	80	*	
97	5.53	5.551	80	*	

Type 6 Radar Waveform_17					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
3	5.53	5.534	80	*	
9	5.53	5.53	80	*	
10	5.53	5.544	80	*	
18	5.53	5.559	80	*	
26	5.53	5.51	80	*	
27	5.53	5.494	80	*	
39	5.53	5.501	80	*	
40	5.53	5.517	80	*	
43	5.53	5.522	80	*	
46	5.53	5.543	80	*	
69	5.53	5.569	80	*	
71	5.53	5.567	80	*	
72	5.53	5.523	80	*	
78	5.53	5.527	80	*	
82	5.53	5.511	80	*	
85	5.53	5.557	80	*	
87	5.53	5.528	80	*	
88	5.53	5.525	80	*	

Type 6 Radar Waveform_18

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
9	5.53	5.542	80	*
12	5.53	5.567	80	*
16	5.53	5.506	80	*
19	5.53	5.561	80	*
25	5.53	5.548	80	*
26	5.53	5.508	80	*
29	5.53	5.528	80	*
31	5.53	5.494	80	*
39	5.53	5.496	80	*
51	5.53	5.53	80	*
52	5.53	5.566	80	*
53	5.53	5.493	80	*
54	5.53	5.556	80	*
59	5.53	5.558	80	*
60	5.53	5.503	80	*
62	5.53	5.491	80	*
63	5.53	5.513	80	*
64	5.53	5.569	80	*
69	5.53	5.546	80	*
85	5.53	5.55	80	*
94	5.53	5.553	80	*
96	5.53	5.509	80	*
97	5.53	5.497	80	*

Type 6 Radar Waveform_19

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.53	5.538	80	*
11	5.53	5.536	80	*
14	5.53	5.547	80	*
15	5.53	5.566	80	*
16	5.53	5.548	80	*
18	5.53	5.558	80	*
27	5.53	5.555	80	*
36	5.53	5.551	80	*
58	5.53	5.516	80	*
62	5.53	5.54	80	*
64	5.53	5.495	80	*
71	5.53	5.544	80	*
81	5.53	5.492	80	*
82	5.53	5.496	80	*
88	5.53	5.493	80	*
91	5.53	5.517	80	*

Type 6 Radar Waveform_20

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.53	5.529	80	*
9	5.53	5.535	80	*
14	5.53	5.514	80	*
21	5.53	5.526	80	*
29	5.53	5.532	80	*
35	5.53	5.502	80	*
36	5.53	5.55	80	*
38	5.53	5.544	80	*
45	5.53	5.494	80	*
51	5.53	5.561	80	*
60	5.53	5.528	80	*
68	5.53	5.493	80	*
73	5.53	5.519	80	*
82	5.53	5.501	80	*
91	5.53	5.569	80	*
96	5.53	5.5	80	*
98	5.53	5.513	80	*

Type 6 Radar Waveform_21

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.527	80	*
4	5.53	5.505	80	*
17	5.53	5.561	80	*
25	5.53	5.504	80	*
26	5.53	5.551	80	*
39	5.53	5.534	80	*
40	5.53	5.569	80	*
53	5.53	5.526	80	*
61	5.53	5.536	80	*
62	5.53	5.52	80	*
68	5.53	5.566	80	*
69	5.53	5.57	80	*
74	5.53	5.502	80	*
77	5.53	5.5	80	*
78	5.53	5.51	80	*
84	5.53	5.562	80	*
87	5.53	5.512	80	*
98	5.53	5.508	80	*

Type 6 Radar Waveform_22

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.53	5.551	80	*
12	5.53	5.529	80	*
14	5.53	5.512	80	*
24	5.53	5.537	80	*
38	5.53	5.506	80	*
41	5.53	5.52	80	*
43	5.53	5.568	80	*
44	5.53	5.508	80	*
46	5.53	5.522	80	*
58	5.53	5.493	80	*
71	5.53	5.554	80	*
84	5.53	5.546	80	*
85	5.53	5.526	80	*
99	5.53	5.538	80	*

Type 6 Radar Waveform_23

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
29	5.53	5.541	80	*
30	5.53	5.535	80	*
34	5.53	5.508	80	*
39	5.53	5.494	80	*
45	5.53	5.552	80	*
53	5.53	5.533	80	*
60	5.53	5.539	80	*
66	5.53	5.561	80	*
67	5.53	5.555	80	*
73	5.53	5.568	80	*
80	5.53	5.564	80	*
86	5.53	5.562	80	*
91	5.53	5.529	80	*

Type 6 Radar Waveform_24

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.53	5.51	80	*
5	5.53	5.517	80	*
11	5.53	5.549	80	*
12	5.53	5.536	80	*
13	5.53	5.533	80	*
18	5.53	5.537	80	*
22	5.53	5.507	80	*
34	5.53	5.545	80	*
47	5.53	5.515	80	*
50	5.53	5.542	80	*
57	5.53	5.548	80	*
62	5.53	5.518	80	*
71	5.53	5.535	80	*
73	5.53	5.501	80	*
88	5.53	5.547	80	*
90	5.53	5.538	80	*
100	5.53	5.554	80	*

Type 6 Radar Waveform_25

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
17	5.53	5.493	80	*
21	5.53	5.495	80	*
33	5.53	5.556	80	*
42	5.53	5.518	80	*
45	5.53	5.57	80	*
46	5.53	5.523	80	*
50	5.53	5.513	80	*
51	5.53	5.494	80	*
53	5.53	5.491	80	*
55	5.53	5.508	80	*
60	5.53	5.496	80	*
61	5.53	5.549	80	*
62	5.53	5.542	80	*
66	5.53	5.519	80	*
67	5.53	5.515	80	*
72	5.53	5.529	80	*
74	5.53	5.504	80	*
93	5.53	5.524	80	*
98	5.53	5.531	80	*

Type 6 Radar Waveform_26

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.53	5.52	80	*
15	5.53	5.564	80	*
23	5.53	5.538	80	*
24	5.53	5.526	80	*
25	5.53	5.559	80	*
30	5.53	5.539	80	*
36	5.53	5.514	80	*
37	5.53	5.521	80	*
40	5.53	5.533	80	*
42	5.53	5.548	80	*
58	5.53	5.532	80	*
65	5.53	5.53	80	*
70	5.53	5.509	80	*
71	5.53	5.502	80	*
76	5.53	5.511	80	*
88	5.53	5.552	80	*
90	5.53	5.516	80	*
94	5.53	5.493	80	*
96	5.53	5.57	80	*

Type 6 Radar Waveform_27

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
35	5.53	5.514	80	*
36	5.53	5.556	80	*
47	5.53	5.537	80	*
49	5.53	5.57	80	*
50	5.53	5.568	80	*
58	5.53	5.513	80	*
61	5.53	5.511	80	*
80	5.53	5.498	80	*
83	5.53	5.55	80	*
86	5.53	5.523	80	*

Type 6 Radar Waveform_28

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.53	5.519	80	*
7	5.53	5.545	80	*
18	5.53	5.502	80	*
31	5.53	5.535	80	*
36	5.53	5.563	80	*
40	5.53	5.536	80	*
44	5.53	5.522	80	*
47	5.53	5.501	80	*
53	5.53	5.57	80	*
56	5.53	5.552	80	*
66	5.53	5.56	80	*
68	5.53	5.511	80	*
69	5.53	5.543	80	*
75	5.53	5.506	80	*
80	5.53	5.495	80	*
89	5.53	5.512	80	*
93	5.53	5.554	80	*
100	5.53	5.523	80	*

Type 6 Radar Waveform_29

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.503	80	*
4	5.53	5.517	80	*
38	5.53	5.56	80	*
39	5.53	5.567	80	*
45	5.53	5.494	80	*
48	5.53	5.491	80	*
50	5.53	5.499	80	*
64	5.53	5.566	80	*
68	5.53	5.519	80	*
73	5.53	5.526	80	*
77	5.53	5.554	80	*
79	5.53	5.506	80	*
81	5.53	5.529	80	*
86	5.53	5.553	80	*
87	5.53	5.552	80	*
88	5.53	5.549	80	*
90	5.53	5.516	80	*
93	5.53	5.505	80	*
94	5.53	5.541	80	*

Appendix B – Test Setup Photograph

Refer to “2109RSU006-UT” file.

Appendix C – EUT Photograph

Refer to “2109RSU006-UE” file.

————— The End —————