

DFS MEASUREMENT REPORT

FCC PART 15 Subpart E

FCC ID: 2AXJ4AXE75

Applicant: TP-Link Corporation Limited

Application Type: Certification

Product: AXE5400 Tri-Band Wi-Fi 6E Router

Model No.: Archer AXE75

Brand Name: tp-link


FCC Classification: Unlicensed National Information Infrastructure (NII)

FCC Rule Part(s): Part 15 Subpart E - 15.407 Section (h)(2)


Type of Device: Master Device

Receive Date: September 06, 2021


Test Date: October 10 ~ 24, 2021

Tested By : 

(Kevin Ker)

Reviewed By : 

(Paddy Chen)

Approved By : 

(Chenz Ker)



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 D02v02. Test results reported herein relate only to the item(s) tested.

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Revision History

Report No.	Version	Description	Issue Date	Note
2108TW0006-U3	V1.0	Original report	2021-11-20	Valid

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General Information

Applicant	TP-Link Corporation Limited
Applicant Address	Room 901, 9/F., New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui, Kowloon, Hongkong
Manufacturer	TP-Link Corporation Limited
Manufacturer Address	Room 901, 9/F., New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui, Kowloon, Hongkong
Test Site	MRT Technology (Taiwan) Co., Ltd
Test Site Address	No. 38, Fuxing Second Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C)
MRT FCC Registration No.	291082
FCC Rule Part(s)	Part 15.407

Test Facility / Accreditations

1. MRT facility is a FCC registered (Reg. No. 291082) test facility with the site description report on file and is designated by the FCC as an Accredited Test Firm.
2. MRT facility is an IC registered (MRT Reg. No. 21723) test laboratory with the site description on file at Industry Canada.
3. MRT Lab is accredited to ISO 17025 by the Taiwan Accreditation Foundation (TAF Cert. No. 3261) in EMC, Telecommunications and Radio testing for FCC (Designation Number: TW3261), Industry Taiwan, EU and TELEC Rules.

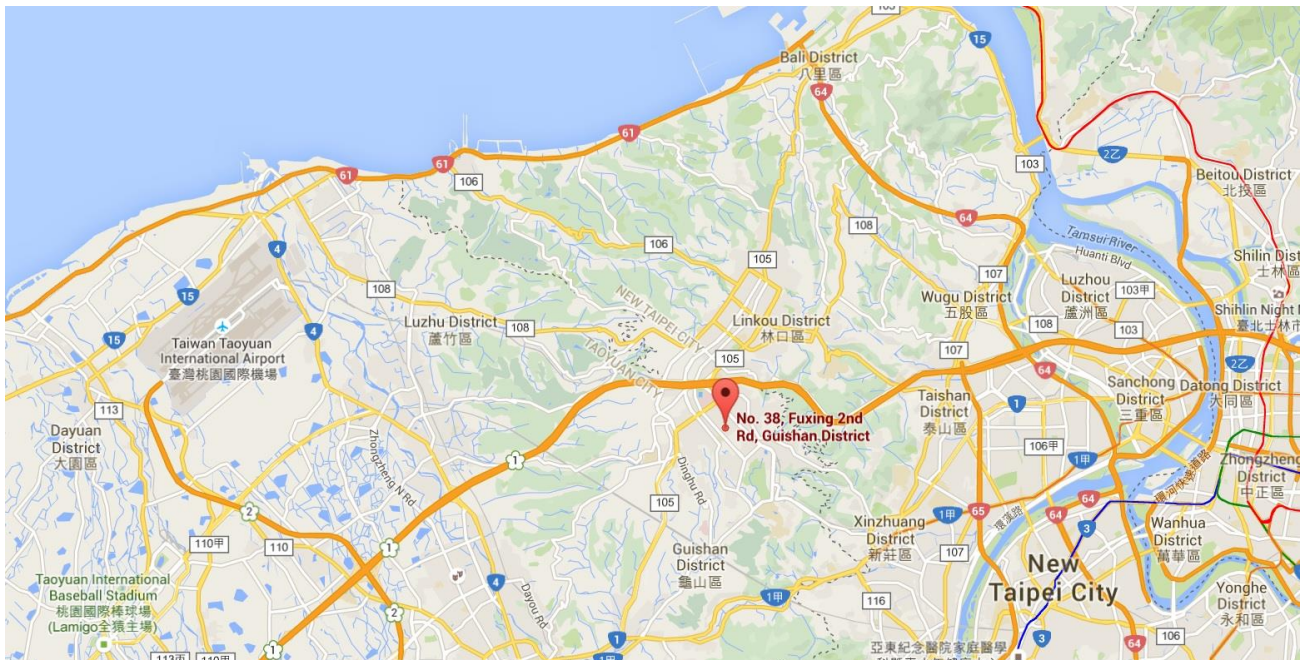
1. INTRODUCTION

1.1. Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Innovation, Science and Economic Development Canada and Certification and Engineering Bureau.

1.2. MRT Test Location

The map below shows the location of the MRT LABORATORY, its proximity to the Taoyuan City. These measurement tests were conducted at the MRT Technology (Taiwan) Co., Ltd. Facility located at No.38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 33377, Taiwan (R.O.C).



2. PRODUCT INFORMATION

2.1. Equipment Description

Product Name:	AXE5400 Tri-Band Wi-Fi 6E Router
Model No.:	Archer AXE75
Brand Name:	tp-link
Wi-Fi Specification:	802.11a/b/g/n/ac/ax
EUT Identification No.:	20210906ample#03
Operating Mode:	Master
Frequency Range:	<p><u>2.4GHz:</u> For 802.11b/g/n-HT20/VHT20/ax-HE20: 2412 ~ 2462 MHz For 802.11n-HT40/VHT40/ax-HE40: 2422 ~ 2452 MHz</p> <p><u>5GHz:</u> For 802.11a/n-HT20/ac-VHT20/ax-HE20: 5180~5320MHz, 5500~5720MHz, 5745~5825MHz For 802.11n-HT40/ac-VHT40/ax-HE40: 5190~5310MHz, 5510~5710MHz, 5755~5795MHz For 802.11ac-VHT80/ax-HE80: 5210MHz, 5290MHz, 5530MHz, 5610MHz, 5690MHz, 5775MHz For 802.11ac-VHT160/ax-HE160: 5250MHz, 5570MHz</p>
Type of Modulation:	802.11b: DSSS 802.11a/g/n/ac: OFDM 802.11ax: OFDMA
TPC mechanism:	Support (Details refer to operational description)
Power-on cycle:	Requires 64.6 seconds to complete its power-on cycle
Uniform Spreading (For DFS Frequency Band):	For the 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.

2.2. Operating Frequency and Channel List for this Report

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

Channel	Frequency	Channel	Frequency	Channel	Frequency
52	5260 MHz	56	5280 MHz	60	5300 MHz
64	5320 MHz	100	5500 MHz	104	5520 MHz
108	5540 MHz	112	5560 MHz	116	5580 MHz
120	5600 MHz	124	5620 MHz	128	5640 MHz
132	5660 MHz	136	5680 MHz	140	5700 MHz
144	5720 MHz	--	--	--	--

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

Channel	Frequency	Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz	102	5510 MHz
110	5550 MHz	118	5590 MHz	126	5630 MHz
134	5670 MHz	142	5710 MHz	--	--

802.11ac-VHT80/ax-HE80

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

802.11ac-VHT160/ax-HE160

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

2.3. Description of Available Antennas

Antenna Type	Frequency Band (MHz)	T _x Paths	Number of spatial streams	Max Antenna Gain (dBi)	Beamforming Directional Gain (dBi)	CDD Directional Gain (dBi)	
						For Power	For PSD
Dipole Antenna	2412 ~ 2462	2	1	2.10	5.11	2.10	5.11
	5150 ~ 5250	2	1	3.02	6.03	3.02	6.03
	5250 ~ 5350	2	1	3.18	6.19	3.18	6.19
	5470 ~ 5725	2	1	3.20	6.21	3.20	6.21
	5725 ~ 5850	2	1	2.70	5.71	2.70	5.71
	5925 ~ 7125	2	1	2.00	5.01	2.00	5.01
2			2.00	--	2.00	2.00	

Note:

- The EUT supports Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.
If all antennas have the same gain, G_{ANT} , Directional gain = $G_{ANT} + \text{Array Gain}$, where Array Gain is as follows.
 - For power spectral density (PSD) measurements on all devices,
Array Gain = $10 \log (N_{ANT} / N_{SS})$ dB;
 - For power measurements on IEEE 802.11 devices,
Array Gain = 0 dB for $N_{ANT} \leq 4$;
- The EUT also supports Beam Forming mode, and the Beam Forming support 802.11ac/ax, not include 802.11a/b/g/n. BF Directional gain = $G_{ANT} + 10 \log (N_{ANT})$.
- All information declared by manufacturer.

2.4. Test Channels for this Report

Test Mode	Test Channel	Test Frequency
802.11ax-HE20	100	5500 MHz
802.11ax-HE40	102	5510 MHz
802.11ax-HE80	106	5530 MHz
802.11ax-HE160	50	5250MHz
802.11ax-HE160	114	5570MHz

2.5. Test Mode

Test Mode	Mode 1: Make the EUT communicate with notebook at DFS channel
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2.6. Applied Standards

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

- FCC Part15 Subpart E (Section 15.407 Section (h)(2))
- KDB 905462 D02v02
- KDB 905462 D04v01

3. DFS DETECTION THRESHOLDS AND RADAR TEST WAVEFORMS

3.1. Applicability

The following table from FCC KDB 905462 D02 UNII 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 UNII DFS Compliance Procedures New Rules v02 the following are the requirements for Master Devices:

- (a) The Master Device will use DFS in order to detect Radar Waveforms with received signal strength above the DFS Detection Threshold in the 5250 ~ 5350 MHz and 5470 ~ 5725 MHz bands. DFS is not required in the 5150 ~ 5250 MHz or 5725 ~ 5825 MHz bands.
- (b) Before initiating a network on a Channel, the Master Device will perform a Channel Availability Check for a specified time duration (Channel Availability Check Time) to ensure that there is no radar system operating on the Channel, using DFS described under subsection a) above.
- (c) The Master Device initiates a U-NII network by transmitting control signals that will enable other U-NII devices to Associate with the Master Device.
- (d) During normal operation, the Master Device will monitor the Channel (In-Service Monitoring) to ensure that there is no radar system operating on the Channel, using DFS described under a).
- (e) If the Master Device has detected a Radar Waveform during In-Service Monitoring as described under d), the Operating Channel of the U-NII network is no longer an Available Channel. The Master Device will instruct all associated Client Device(s) to stop transmitting on this Channel within the Channel Move Time. The transmissions during the Channel Move Time will be limited to the Channel Closing Transmission Time.
- (f) Once the Master Device has detected a Radar Waveform it will not utilize the Channel for the duration of the Non-Occupancy Period.
- (g) If the Master Device delegates the In-Service Monitoring to a Client Device, then the combination will be tested to the requirements described under d) through f) above.

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

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.
Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.	

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

Table 3-3: DFS Response Requirements

3.3. DFS Detection Threshold Values

The DFS detection thresholds are defined for Master devices and Client Devices with In-service monitoring. These detection thresholds are listed in the following table.

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP \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	$\text{Roundup} \left\{ \begin{array}{l} \left(\frac{1}{360} \right) \cdot \\ \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \end{array} \right\}$	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 1: 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 UNII 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.

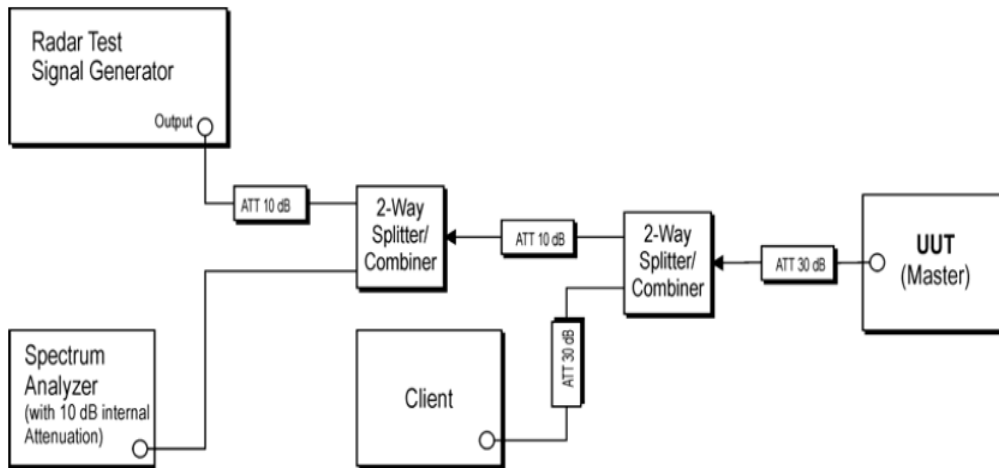


Figure 3-1: Conducted Test Setup where UUT is a Master and Radar Test Waveforms are injected into the Masters

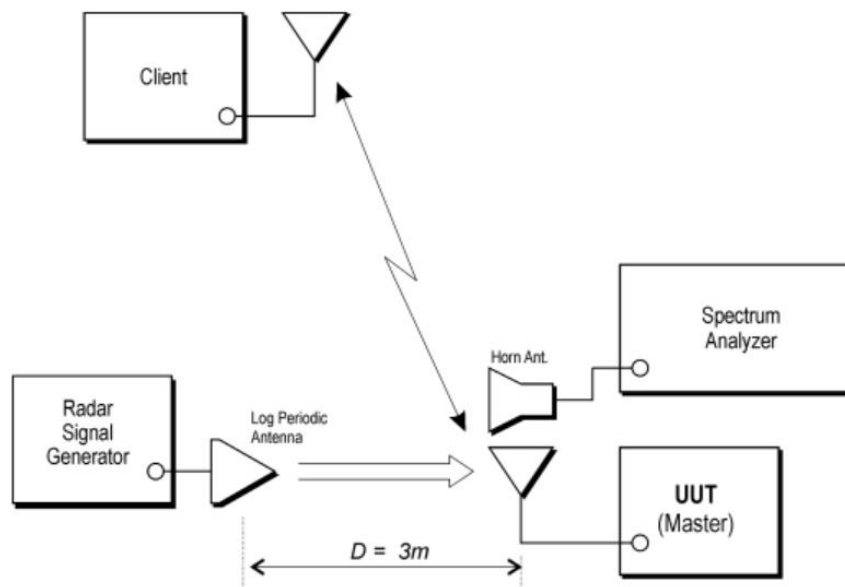


Figure 3-2: Radiated Test Setup where UUT is a Master and Radar Test Waveforms are injected into the UUT

4. TEST EQUIPMENT CALIBRATION DATE

Dynamic Frequency Selection (DFS) - SR2

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2022/11/14
EXA Signal Analyzer	KEYSIGHT	N9010B	MRTTWA00074	1 year	2022/7/19
Signal Analyzer	R&S	FSV40	MRTTWA00007	1 year	2022/3/23
Vector Signal Generator	Keysight	N5182B	MRTTWA00010	1 year	2022/4/19
Combiner	WOKEN	0120A04208001S	MRTTWE00008	1 year	2022/6/17

Client Information

Instrument	Manufacturer	Type No.	FCC ID
Wireless Network Adapter	Intel	AX200NGW	PD9AX200NG

Software	Version	Manufacturer	Function
Pulse Building(N7607B)	V3.0.0	Keysight	Radar Signal Generation Software
DFS Tool	V6.7	Keysight	DFS Test Software

5. TEST RESULT

5.1. Summary

Parameter	Limit	Test Result	Reference
UNII Detection Bandwidth Measurement	Refer Table 3-3	Pass	Section 5.4
Initial Channel Availability Check Time	Refer Table 3-3	Pass	Section 5.5
Radar Burst at the Beginning of the Channel Availability Check Time	Refer Table 3-3	Pass	Section 5.6
Radar Burst at the End of the Channel Availability Check Time	Refer Table 3-3	Pass	Section 5.7
In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time	Refer Table 3-3	Pass	Section 5.8
Non-Occupancy Period	Refer Table 3-3	Pass	Section 5.8
Statistical Performance Check	Refer Table 3-3	Pass	Section 5.9

5.2. Radar Waveform Calibration

5.2.1. Calibration Setup

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

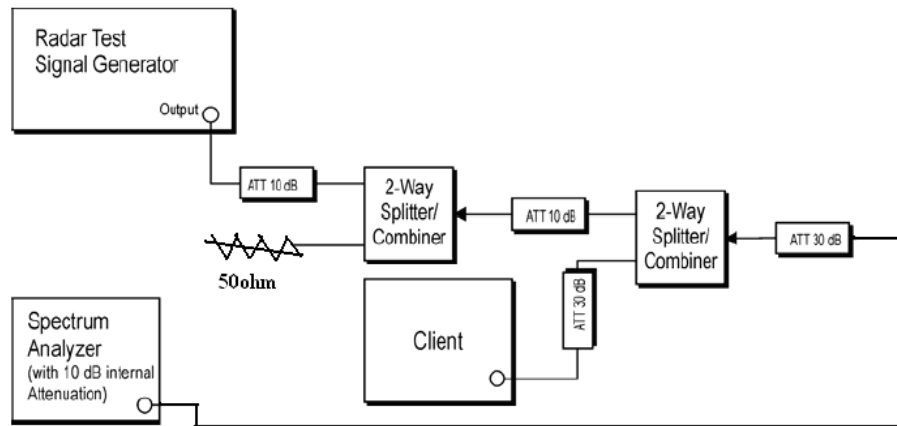


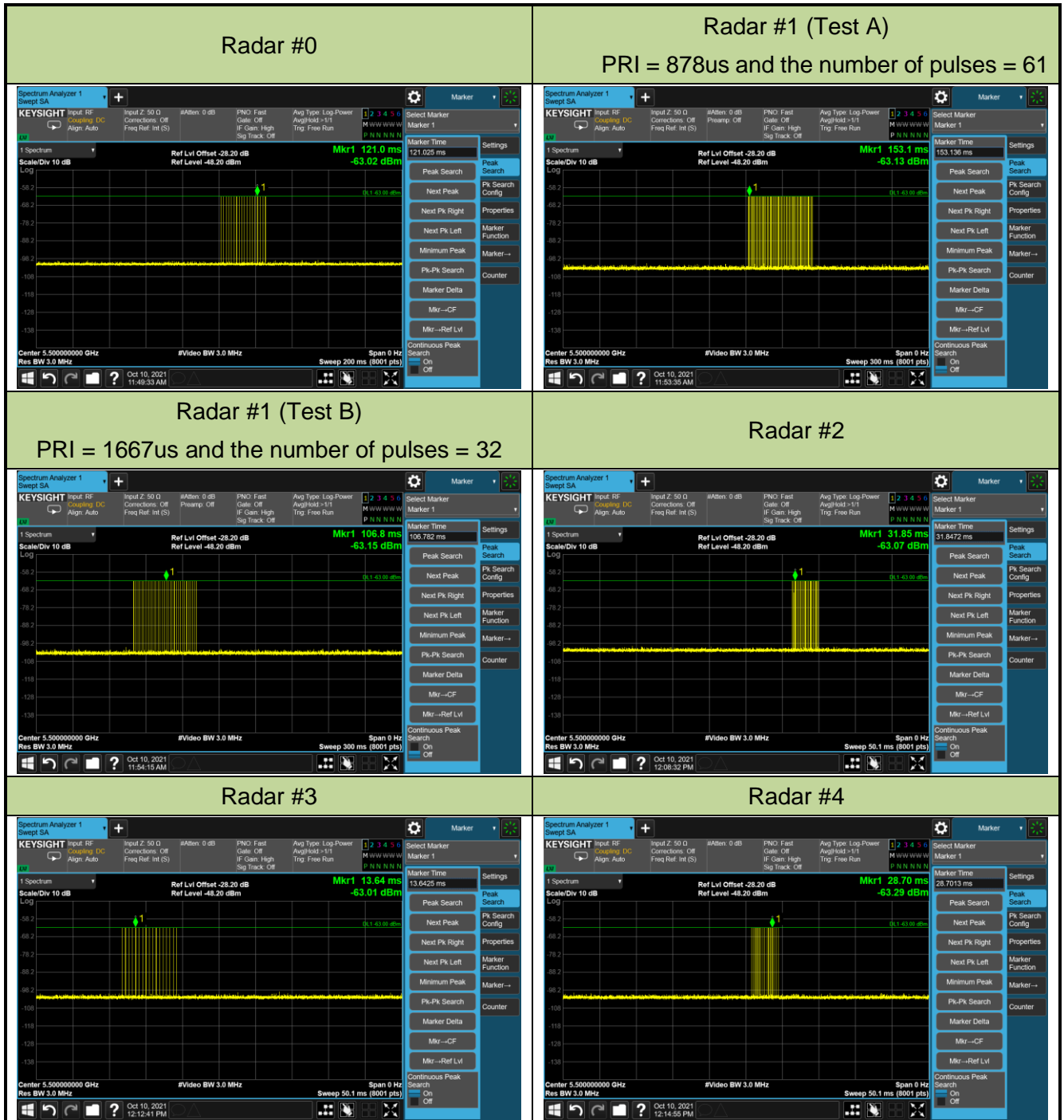
Figure 3-2: Conducted Test Setup

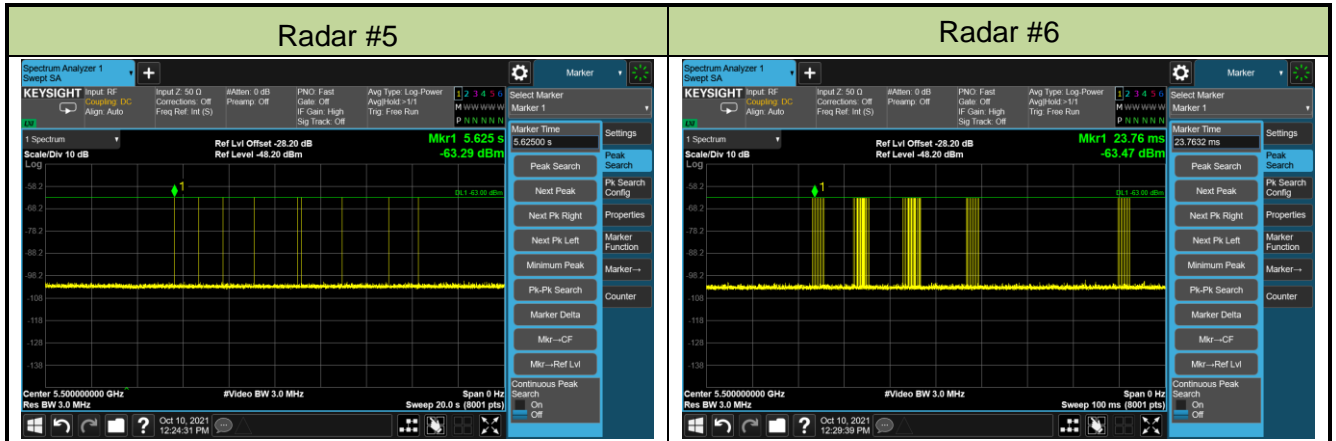
5.2.2. Calibration Procedure

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 Result

Product	AXE5400 Tri-Band Wi-Fi 6E Router	Temperature	27°C
Test Engineer	Kevin Ker	Relative Humidity	65%
Test Site	SR2	Test Date	2021/10/10
Test Item	Radar Waveform Calibration		





5.2.4. Channel Loading Test Result

Product	AXE5400 Tri-Band Wi-Fi 6E Router	Temperature	25°C ~ 27°C
Test Engineer	Kevin Ker	Relative Humidity	60% ~ 65%
Test Site	SR2	Test Date	2021/10/10 ~ 2021/10/19
Test Item	Channel Loading		



Test Mode	Test Frequency	Packet ratio	Requirement ratio	Test Result
802.11ax-HE20	5500 MHz	20.05%	≥ 17%	Pass
802.11ax-HE40	5510 MHz	19.78%	≥ 17%	Pass
802.11ax-HE80	5530 MHz	21.86%	≥ 17%	Pass
802.11ax-HE160	5250 MHz	18.15%	≥ 17%	Pass
802.11ax-HE160	5570 MHz	18.83%	≥ 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).

5.3. UNII Detection Bandwidth Measurement

5.3.1. Test Limit

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

5.3.2. Test Procedure

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

5.3.3. Test Result

Product	AXE5400 Tri-Band Wi-Fi 6E Router	Temperature	27°C
Test Engineer	Kevin Ker	Relative Humidity	65%
Test Site	SR2	Test Date	2021/10/13
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	
5490	0	0	0	0	0	0	0	0	0	0	0%
5490.4FL	1	1	1	1	1	1	1	1	1	1	100%
5491	1	1	1	1	1	1	1	1	1	1	100%
5492	1	1	1	1	1	1	1	1	1	1	100%
5493	1	1	1	1	1	1	1	1	1	1	100%
5494	1	1	1	1	1	1	1	1	1	1	100%
5495	1	1	1	1	1	1	1	1	1	1	100%
5500	1	1	1	1	1	1	1	1	1	1	100%
5505	1	1	1	1	1	1	1	1	1	1	100%
5506	1	1	1	1	1	1	1	1	1	1	100%
5507	1	1	1	1	1	1	1	1	1	1	100%
5508	1	1	1	1	1	1	1	1	1	1	100%
5509	1	1	1	1	1	1	1	1	1	1	100%
5509.6 FH	1	1	1	1	1	1	1	1	1	1	100%
5510	0	0	0	0	0	0	0	0	0	0	0%

Note 1: All NII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5500MHz. The 99% channel bandwidth is 19.03MHz. (See the 99% BW section of the RF report for further measurement details).

Note 2: Detection Bandwidth = FH - FL = 5509.6MHz – 5490.4MHz = 19.2MHz

Note 3: NII Detection Bandwidth Min. Limit (MHz): 19.03MHz x 100% = 19.03MHz.



Product	AXE5400 Tri-Band Wi-Fi 6E Router	Temperature	27°C
Test Engineer	Kevin Ker	Relative Humidity	65%
Test Site	SR2	Test Date	2021/10/13
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	
5490	0	0	0	0	0	0	0	0	0	0	0%
5491 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%
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%
5529 FH	1	1	1	1	1	1	1	1	1	1	100%
5530	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 37.50MHz. (See the 99% BW section of the RF report for further measurement details).

Note 2: Detection Bandwidth = FH - FL = 5529MHz - 5491MHz = 38MHz.

Note 3: NII Detection Bandwidth Min. Limit (MHz): 37.50MHz x 100% = 37.50MHz.



Product	AXE5400 Tri-Band Wi-Fi 6E Router	Temperature	27°C
Test Engineer	Kevin Ker	Relative Humidity	65%
Test Site	SR2	Test Date	2021/10/13
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	
5490	0	0	0	0	0	0	0	0	0	0	0%
5491 FL	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 FH	1	1	1	1	1	1	1	1	1	1	100%
5570	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 76.88MHz. (See the 99% BW section of the RF report for further measurement details).

Note 2: Detection Bandwidth = FH - FL = 5569MHz - 5491MHz = 78MHz.

Note 3: NII Detection Bandwidth Min. Limit (MHz): 76.88MHz x 100% = 76.88MHz.



Product	AXE5400 Tri-Band Wi-Fi 6E Router	Temperature	27°C
Test Engineer	Kevin Ker	Relative Humidity	65%
Test Site	SR2	Test Date	2021/10/13
Test Item	Detection Bandwidth (802.11ax-HE160 mode - 5250MHz)		

Radar Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5250 FL	1	1	1	1	1	1	1	1	1	1	100%
5251	1	1	1	1	1	1	1	1	1	1	100%
5252	1	1	1	1	1	1	1	1	1	1	100%
5253	1	1	1	1	1	1	1	1	1	1	100%
5254	1	1	1	1	1	1	1	1	1	1	100%
5255	1	1	1	1	1	1	1	1	1	1	100%
5260	1	1	1	1	1	1	1	1	1	1	100%
5265	1	1	1	1	1	1	1	1	1	1	100%
5270	1	1	1	1	1	1	1	1	1	1	100%
5275	1	1	1	1	1	1	1	1	1	1	100%
5280	1	1	1	1	1	1	1	1	1	1	100%
5285	1	1	1	1	1	1	1	1	1	1	100%
5290	1	1	1	1	1	1	1	1	1	1	100%
5295	1	1	1	1	1	1	1	1	1	1	100%
5300	1	1	1	1	1	1	1	1	1	1	100%
5305	1	1	1	1	1	1	1	1	1	1	100%
5310	1	1	1	1	1	1	1	1	1	1	100%
5315	1	1	1	1	1	1	1	1	1	1	100%
5320	1	1	1	1	1	1	1	1	1	1	100%
5325	1	1	1	1	1	1	1	1	1	1	100%
5326	1	1	1	1	1	1	1	1	1	1	100%
5327	1	1	1	1	1	1	1	1	1	1	100%
5328 FH	1	1	1	1	1	1	1	1	1	1	100%
5329	0	0	0	0	0	0	0	0	0	0	0%

Note 1: All NII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5250MHz. The 99% channel bandwidth within U-NII Band-2A is 77.88MHz (99% BW / 2 = 155.23MHz / 2 = 77.62MHz). (See the 99% BW section of the RF report for further measurement details).

Note 2: Detection Bandwidth = FH - FL = 5330MHz - 5250MHz = 78MHz.

Note 3: NII Detection Bandwidth Min. Limit (MHz): 77.62MHz x 100% = 77.62MHz.



Product	AXE5400 Tri-Band Wi-Fi 6E Router	Temperature	27°C
Test Engineer	Kevin Ker	Relative Humidity	65%
Test Site	SR2	Test Date	2021/10/13
Test Item	Detection Bandwidth (802.11ax-HE160 mode - 5570MHz)		

Radar Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5491	0	0	0	0	0	0	0	0	0	0	100%
5492 FL	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%
5570	1	1	1	1	1	1	1	1	1	1	100%
5575	1	1	1	1	1	1	1	1	1	1	100%
5580	1	1	1	1	1	1	1	1	1	1	100%
5585	1	1	1	1	1	1	1	1	1	1	100%
5590	1	1	1	1	1	1	1	1	1	1	100%
5595	1	1	1	1	1	1	1	1	1	1	100%
5600	1	1	1	1	1	1	1	1	1	1	100%
5605	1	1	1	1	1	1	1	1	1	1	100%
5610	1	1	1	1	1	1	1	1	1	1	100%
5615	1	1	1	1	1	1	1	1	1	1	100%
5620	1	1	1	1	1	1	1	1	1	1	100%

5625	1	1	1	1	1	1	1	1	1	1	100%
5630	1	1	1	1	1	1	1	1	1	1	100%
5635	1	1	1	1	1	1	1	1	1	1	100%
5640	1	1	1	1	1	1	1	1	1	1	100%
5645	1	1	1	1	1	1	1	1	1	1	100%
5646	1	1	1	1	1	1	1	1	1	1	100%
5647	1	1	1	1	1	1	1	1	1	1	100%
5648 FH	1	1	1	1	1	1	1	1	1	1	100%
5649	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 155.81MHz. (See the 99% BW section of the RF report for further measurement details).

Note 2: Detection Bandwidth = FH - FL = 5648MHz - 5492MHz = 156MHz.

Note 3: NII Detection Bandwidth Min. Limit (MHz): 155.81MHz x 100% = 155.81MHz.

5.4. Initial Channel Availability Check Time Measurement

5.4.1. Test Limit

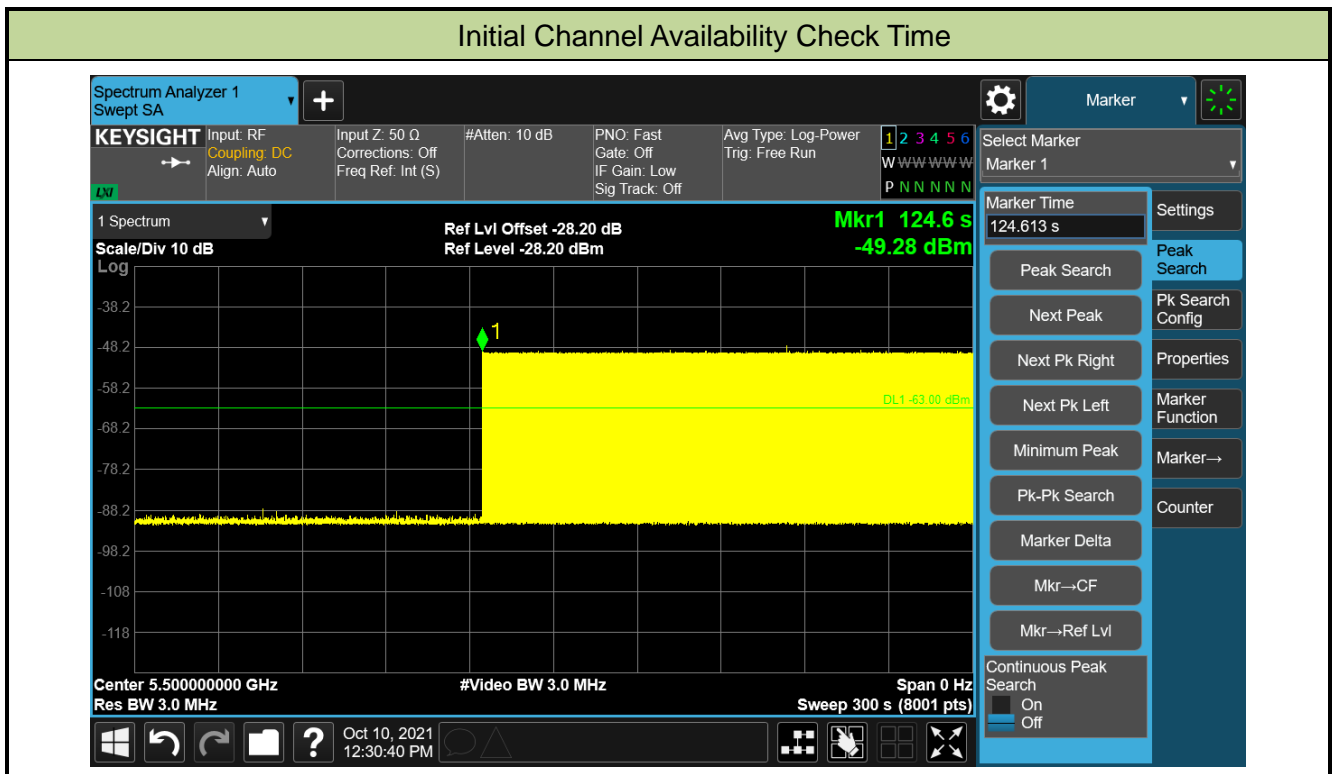
The EUT shall perform a Channel Availability Check to ensure that there is no radar operating on the channel. After power-up sequence, receive at least 1 minute on the intended operating frequency.

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

Product	AXE5400 Tri-Band Wi-Fi 6E Router	Temperature	27°C
Test Engineer	Kevin Ker	Relative Humidity	65%
Test Site	SR2	Test Date	2021/10/10
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 (64.6 sec). Initial beacons/data transmissions are indicated by marker 1 (124.6 sec).

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

5.5.1. Test Limit

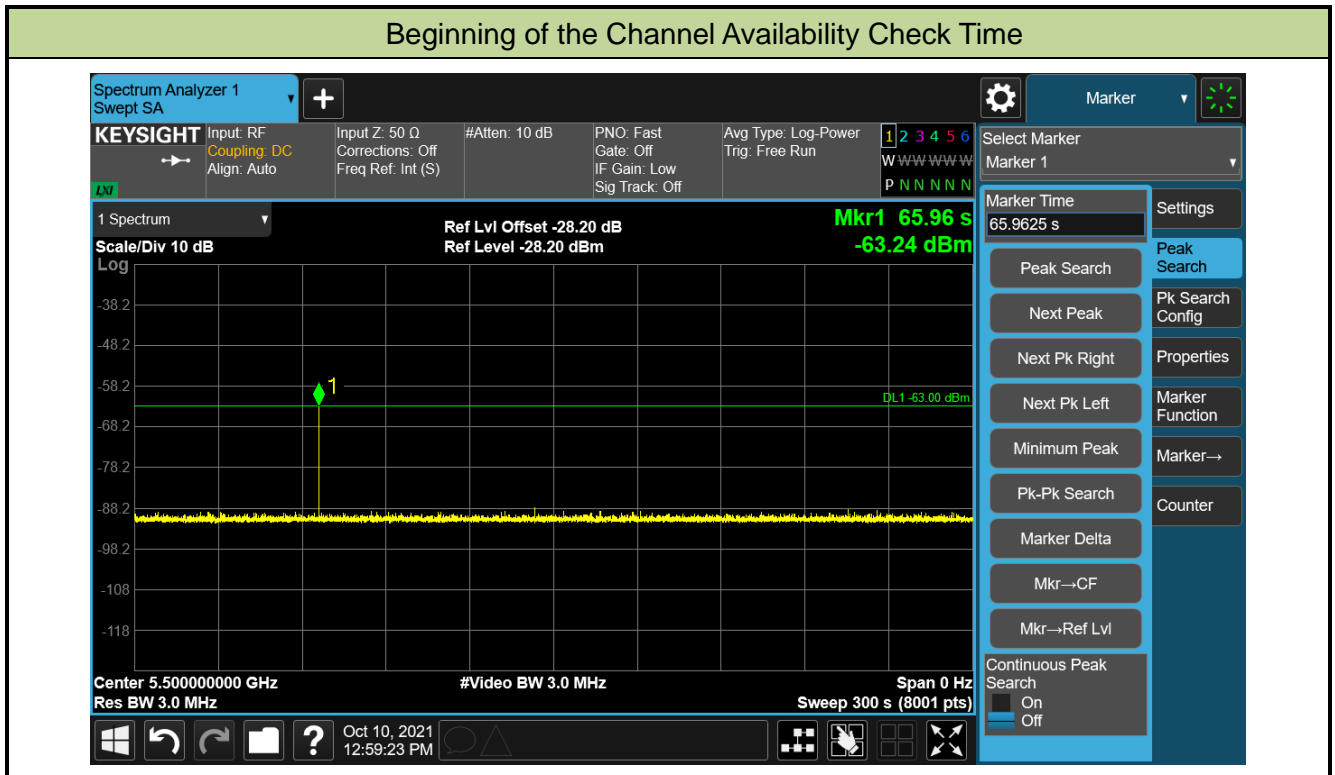
In beginning of the Channel Availability Check (CAC) Time, radar is detected on this channel, select another intended channel and perform a CAC on that channel.

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

Product	AXE5400 Tri-Band Wi-Fi 6E Router	Temperature	27°C
Test Engineer	Kevin Ker	Relative Humidity	65%
Test Site	SR2	Test Date	2021/10/10
Test Item	Beginning of the Channel Availability Check Time (802.11ax-HE20 mode - 5500MHz)		



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

5.6.1. Test Limit

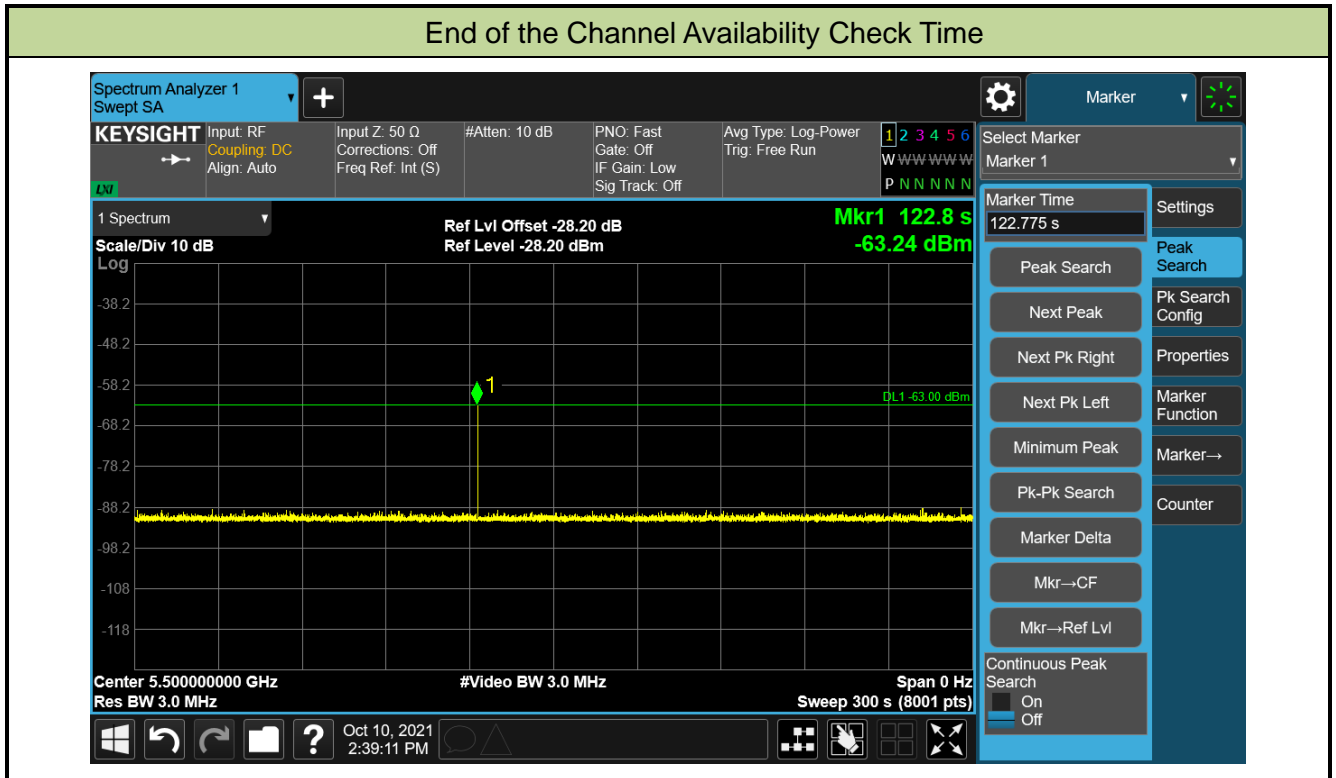
In the end of Channel Availability Check (CAC) Time, radar is detected on this channel, select another intended channel and perform a CAC on that channel.

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

Product	AXE5400 Tri-Band Wi-Fi 6E Router	Temperature	27°C
Test Engineer	Kevin Ker	Relative Humidity	65%
Test Site	SR2	Test Date	2021/10/10
Test Item	End of the Channel Availability Check Time (802.11ax-HE20 mode - 5500MHz)		



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

5.7.1. Test Limit

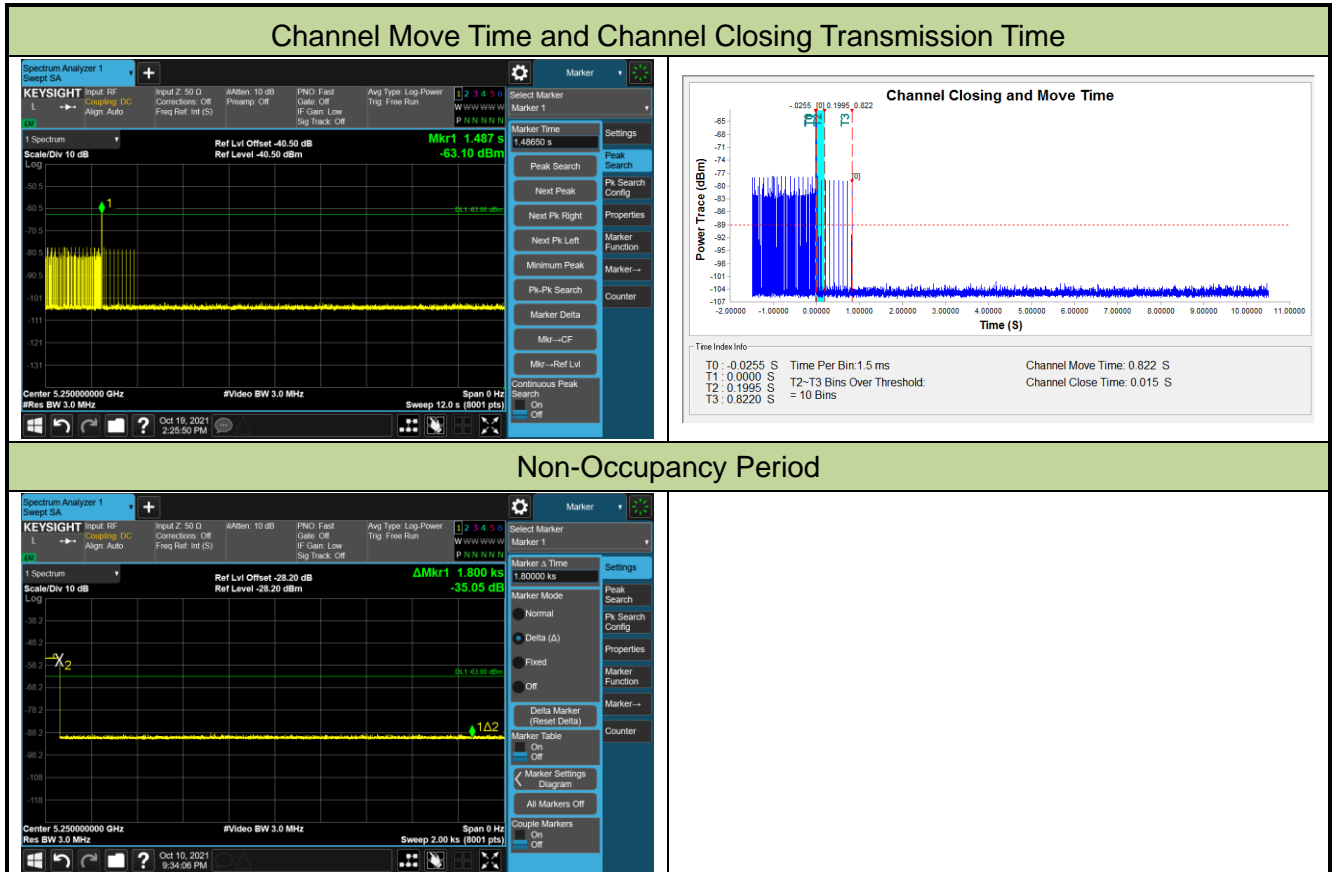
The EUT has In-Service Monitoring function to continuously monitor the radar signals. If the radar is detected, must leave the channel (Shutdown). The Channel Move Time to cease all transmissions on the current channel upon detection of a Radar Waveform above the DFS Detection Threshold within 10 sec. 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 Used

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

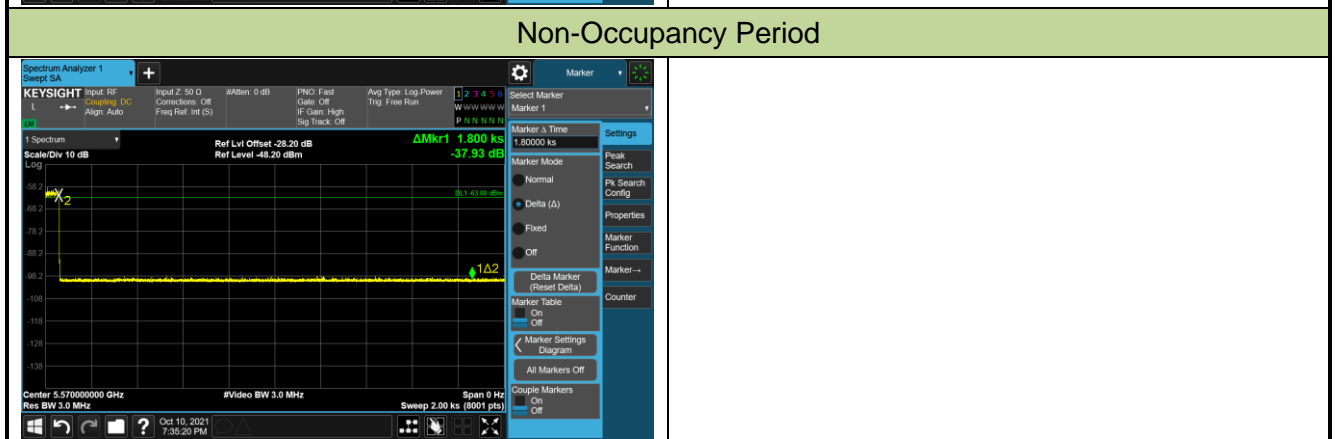
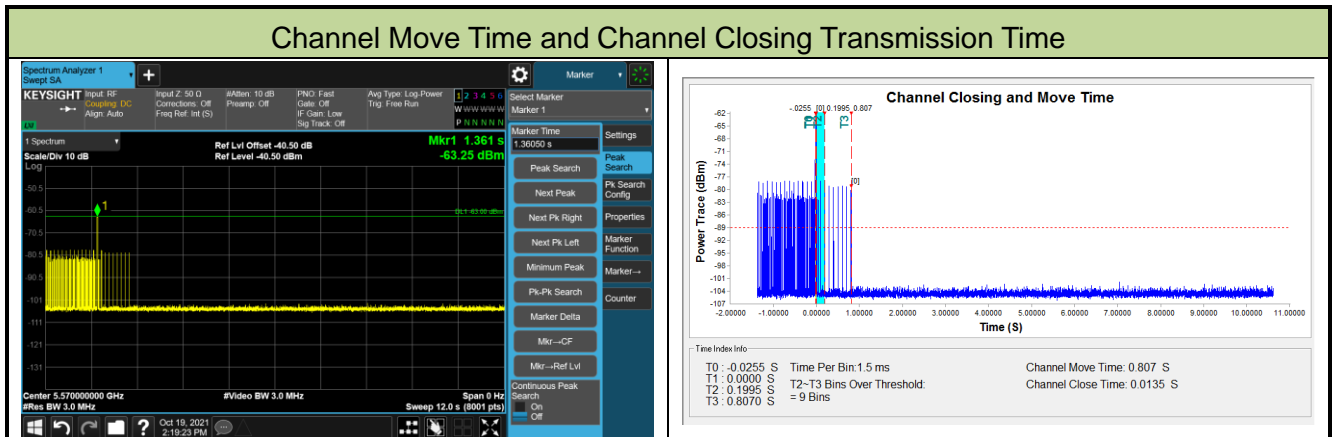
Product	AXE5400 Tri-Band Wi-Fi 6E Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	62%
Test Site	SR2	Test Date	2021/10/19
Test Item	Channel Move Time and Channel Closing Transmission Time (802.11ax-HE160 mode - 5250MHz)		



Parameter	Test Result	Limit
	Type 0	
Channel Move Time (s)	0.822s	<10s
Channel Closing Transmission Time (ms) (Note)	1.5ms	< 60ms
Non-Occupancy Period (min)	≥ 30min	≥ 30min

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.

Product	AXE5400 Tri-Band Wi-Fi 6E Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	62%
Test Site	SR2	Test Date	2021/10/19
Test Item	Channel Move Time and Channel Closing Transmission Time (802.11ax-HE160 mode - 5570MHz)		



Parameter	Test Result	Limit
	Type 0	
Channel Move Time (s)	0.807s	< 10s
Channel Closing Transmission Time (ms) (Note)	13.5ms	< 60ms
Non-Occupancy Period (min)	≥ 30min	≥ 30min

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.

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%

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

Product	AXE5400 Tri-Band Wi-Fi 6E Router	Temperature	27°C
Test Engineer	Kevin Ker	Relative Humidity	65%
Test Site	SR2	Test Date	2021/10/19
Test Item	Radar Statistical Performance Check (802.11ax-HE20 – 5500MHz)		

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5490.4	1	678	78	1
2	5491	1	878	61	1
3	5495	1	518	102	1
4	5501	1	558	95	1
5	5509	1	658	81	1
6	5507	1	938	57	1
7	5496	1	638	83	1
8	5499	1	718	74	1
9	5499	1	858	62	1
10	5491	1	618	86	1
11	5502	1	918	58	1
12	5507	1	738	72	1
13	5503	1	698	76	1
14	5496	1	778	68	1
15	5507	1	3066	18	1
16	5500	1	992	54	1
17	5492	1	922	58	1
18	5503	1	2251	24	1
19	5495	1	1069	50	1
20	5503	1	2676	20	1
21	5502	1	1667	32	1
22	5495	1	1457	37	1
23	5495	1	1197	45	1
24	5503	1	832	64	1
25	5492	1	2927	19	1
26	5508	1	2849	19	1
27	5508	1	2002	27	1
28	5498	1	2486	22	1



29	5496	1	1827	29	1
30	5509.6	1	1063	50	1
Detection Percentage (%)					100%



Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5490.4	4.6	150	27	1
2	5508	1.4	178	29	1
3	5509	2.6	155	25	1
4	5504	5	187	28	1
5	5494	4.6	173	24	1
6	5509	2.9	205	24	1
7	5500	1.3	219	25	1
8	5500	1.6	194	26	1
9	5504	2.8	159	28	0
10	5495	2.6	188	27	1
11	5496	4.7	187	27	1
12	5494	3.4	168	24	0
13	5504	1.7	227	24	1
14	5504	3.6	194	28	1
15	5506	3.3	205	24	0
16	5496	1.5	163	25	1
17	5497	1	178	27	1
18	5496	2.1	171	26	1
19	5493	1.8	193	23	1
20	5503	2.7	208	24	1
21	5506	4.9	192	28	0
22	5498	3.7	220	27	1
23	5492	1.8	155	25	0
24	5508	5	161	27	1
25	5496	4.7	194	26	1
26	5492	1.6	199	23	1
27	5509	4.5	161	25	0
28	5496	1.4	201	24	1
29	5504	1	166	25	1
30	5509.6	4.1	178	28	0
Detection Percentage (%)					76.7%



Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5490.4	6.6	332	16	1
2	5501	6.4	400	16	1
3	5493	9.8	335	16	1
4	5500	9.1	424	18	1
5	5509	9.9	452	18	1
6	5504	9.9	267	17	1
7	5508	6.8	480	17	1
8	5504	8.1	312	16	0
9	5496	8.3	281	18	0
10	5507	8.2	432	17	1
11	5503	8.1	452	16	1
12	5508	8.2	227	18	1
13	5500	6.1	329	18	1
14	5500	7.9	276	17	1
15	5495	7.3	468	16	0
16	5502	6.5	246	18	1
17	5497	6.3	367	18	1
18	5501	6.1	213	16	0
19	5496	8.7	414	17	1
20	5494	9.3	465	17	1
21	5497	9.9	375	17	1
22	5505	8.2	452	16	1
23	5498	8.4	359	17	1
24	5501	8.2	485	18	1
25	5499	8.6	500	16	1
26	5491	8	212	18	1
27	5493	7.8	207	18	0
28	5495	9.2	291	18	1
29	5504	8	274	16	0
30	5509.6	7.5	327	16	1
Detection Percentage (%)					80.0%



Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5490.4	19	402	12	0
2	5498	15.4	500	14	1
3	5493	13.9	372	12	1
4	5498	15.4	412	15	1
5	5499	11	203	13	1
6	5498	17	304	12	1
7	5492	18.3	236	12	1
8	5509	15.3	316	14	1
9	5506	14.2	486	13	1
10	5507	19.6	454	12	1
11	5498	16.3	269	14	1
12	5499	12.1	319	15	1
13	5506	19.5	408	13	1
14	5508	13.8	456	15	0
15	5500	15.3	311	15	1
16	5492	17.1	254	15	1
17	5497	13.5	255	14	0
18	5493	13.9	369	15	1
19	5507	15.7	448	15	1
20	5501	12	373	13	1
21	5507	18.3	435	14	0
22	5493	11.9	321	12	0
23	5494	13.7	239	14	1
24	5493	14.5	282	14	0
25	5503	14.4	345	14	0
26	5493	16.8	454	13	1
27	5491	17.2	256	15	1
28	5491	19.4	304	15	1
29	5500	19.8	214	12	1
30	5509.6	11.1	344	15	1
Detection Percentage (%)					76.7%

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test

waveforms is as follows: $\frac{P_d1 + P_d2 + P_d3 + P_d4}{4} = (100\% + 76.7\% + 80.0\% + 76.7\%) / 4 = 83.3\% (>80\%)$



Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5500	1	16	5497.2	1
2	5500	1	17	5494.4	1
3	5500	1	18	5496	1
4	5500	1	19	5496.4	1
5	5500	1	20	5496	1
6	5500	1	21	5504.8	1
7	5500	1	22	5502.4	1
8	5500	1	23	5502.8	1
9	5500	1	24	5504.8	1
10	5500	1	25	5501.6	1
11	5496	1	26	5505.2	1
12	5494.8	0	27	5505.2	1
13	5496	1	28	5502	1
14	5494.4	0	29	5506	1
15	5493.6	1	30	5503.6	1
Detection Percentage (%)					93.3%

Type 5 Radar Waveform_1						
Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	93.8	6	1326		1283.28
2	2	65.1	6	1877		1007.077
3	1	89.7	6			739.233
4	1	75.5	6			757.79
5	1	87	6			1325.507
6	1	71.4	6			164.543
7	3	89.4	6	1356	1857	588.77
8	1	78.6	6			1280.467
9	3	75.3	6	1256	1627	1244.733

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	76.3	13	1134		632.47
2	1	57.6	13			862.82
3	3	75	13	1926	1762	31.96
4	1	58.7	13			89.21
5	3	63.6	13	1630	1384	320.32
6	3	92	13	1313	1403	325.61
7	2	60.1	13	1590		846.21
8	3	98.8	13	1421	1539	905.86
9	2	82.5	13	1702		602.55
10	1	64.6	13			779.68
11	3	64.3	13	1090	1254	274.2
12	2	64.7	13	1948		833.8

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	3	72.1	14	1591	1170	490.753
2	3	56.3	14	1236	1506	201.251
3	1	57.7	14			858.082
4	2	80.6	14	1533		1009.403
5	2	82.6	14	1733		624.504
6	1	93.9	14			154.655
7	2	93.1	14	1095		650.235
8	3	86.2	14	1942	1970	629.716
9	1	66.6	14			964.737
10	2	91.8	14	1746		1059.418
11	2	91	14	1721		993.509

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	95.9	11	1019		516.39
2	2	68.6	11	1224		399.117
3	2	64.1	11	1674		539.304
4	1	92.5	11			160.341
5	2	89.7	11	1468		757.209
6	2	72.8	11	1682		217.916
7	3	63.6	11	1180	1038	799.073
8	2	76.3	11	1643		812.26
9	2	65.8	11	1675		178.237
10	2	64.3	11	1032		507.484
11	2	90.1	11	1153		504.201
12	2	57.6	11	1076		801.929
13	2	93	11	1092		342.986
14	3	59.8	11	1815	1792	805.743

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	80.2	19	1897		399.127
2	2	50.3	19	1437		485.603
3	2	66.5	19	1981		535.266
4	2	89.3	19	1620		256.009
5	2	76.7	19	1526		888.112
6	3	76.8	19	1393	1383	402.285
7	2	74.9	19	1131		360.638
8	2	86.6	19	1286		452.722
9	2	96.1	19	1120		654.235
10	2	83.3	19	1700		398.118
11	3	71.2	19	1530	1761	690.911
12	2	73.4	19	1172		873.154
13	2	60.2	19	1316		56.777

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	2	50.3	5	1311		377.191
2	2	85.1	5	1983		1047.58
3	2	86.1	5	1540		482.14
4	1	74.4	5			58.48
5	3	82.1	5	1303	1442	455.99
6	1	51.6	5			402.14
7	2	88.6	5	1117		1041.98
8	2	80.2	5	1101		623.58
9	1	54.2	5			734.6
10	1	53.9	5			691.6

Type 5 Radar Waveform_7

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	72.6	12			454.435
2	2	60.7	12	1546		280.86
3	2	90.7	12	1263		6.607
4	1	55.1	12			137.63
5	2	59.8	12	1290		460.413
6	2	85.5	12	1883		126.717
7	2	62.4	12	1451		441.38
8	2	78.8	12	1569		516.043
9	3	68.5	12	1330	1906	161.337
10	2	83.2	12	1970		248.37
11	2	68.8	12	1618		547.373
12	2	59.5	12	1302		59.877
13	1	84.3	12			507.22
14	2	83.5	12	1471		277.973
15	1	72.6	12			373.177
16	3	73.4	12	1456	1524	554.2
17	3	67.7	12	1410	1662	272.733
18	3	91.3	12	1471	1425	312.367

Type 5 Radar Waveform_8

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	62.3	6	1439		528.15
2	2	97.9	6	1968		115.897
3	2	74.9	6	1020		539.742
4	1	65.9	6			195.463
5	2	51.4	6	1705		406.834
6	2	58.7	6	1494		12.605
7	1	73.5	6			336.716
8	2	81.8	6	1446		96.737
9	2	57.3	6	1972		404.548
10	3	85.9	6	1312	1662	18.279
11	2	80.7	6	1398		337.451
12	2	97.3	6	1214		25.762
13	2	58.9	6	1586		300.343
14	3	66.7	6	1452	1628	372.964
15	3	82.1	6	1228	1396	292.475
16	2	89.7	6	1691		19.166
17	3	96.6	6	1145	1348	176.237
18	3	83.7	6	1732	1469	313.058
19	1	56.9	6			582.579

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	1	53.7	11			780.827
2	1	65.1	11			92.185
3	3	73.7	11	1404	1834	18.314
4	2	84.2	11	1914		808.421
5	2	57.4	11	1605		303.929
6	3	72.6	11	1709	1423	300.436
7	3	66.4	11	1556	1897	699.863
8	3	84.3	11	1680	1150	519.15
9	1	56.6	11			202.247
10	1	66.7	11			425.354
11	2	84.3	11	1795		141.291
12	2	84.9	11	1078		202.529
13	3	64.3	11	1357	1928	176.986
14	3	64.7	11	1006	1649	68.343

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	63.7	11	1305	1665	325.726
2	1	95	11			1011.9
3	3	93	11	1598	1392	51.08
4	2	65.2	11	1657		257.01
5	2	75.2	11	1445		437.17
6	2	86.9	11	1436		19.58
7	1	84.9	11			445.05
8	2	72.8	11	1519		644.62
9	2	88.7	11	1222		789.4
10	1	59.7	11			933.2

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	85.1	14	1136	1063	562.838
2	2	86.1	14	1796		625.297
3	1	63.8	14			24.984
4	3	88	14	1414	1891	837.811
5	2	88.6	14	1432		75.579
6	1	94.9	14			302.626
7	1	91.9	14			442.603
8	2	63.3	14	1003		255.49
9	2	61.7	14	1961		348.497
10	3	93	14	1909	1202	16.434
11	1	62.8	14			796.981
12	3	71.2	14	1727	1303	34.509
13	2	57.4	14	1503		823.686
14	1	51.9	14			560.743

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	1	62.4	11			22.151
2	1	92.7	11			1144.91
3	1	52.3	11			458.42
4	2	50	11	1964		473.1
5	3	95.6	11	1747	1016	1169.02
6	2	93.9	11	1849		972.86
7	1	91.3	11			262.61
8	2	92.6	11	1901		260.47
9	2	96.8	11	1855		547.4
10	1	73.2	11			127

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	57.9	14	1896		279.516
2	2	99.1	14	1503		58.936
3	2	95.5	14	1597		613.26
4	1	73.8	14			321.39
5	1	90.6	14			193.1
6	2	60.5	14	1443		26.5
7	1	85.2	14			678.88
8	1	62.9	14			583.66
9	2	97.5	14	1022		612.79
10	2	60.9	14	1814		253.4
11	3	72	14	1088	1159	204.28
12	1	74.7	14			297.11
13	2	97.7	14	1661		217.55
14	1	65.8	14			219.66
15	2	91.3	14	1752		204.7
16	3	52.5	14	1295	1702	85.7

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	3	85.3	10	1638	1778	506.545
2	1	97.3	10			20.728
3	2	95.1	10	1082		439.31
4	2	81.2	10	1040		513.1
5	3	63.6	10	1427	1775	445.72
6	1	93.5	10			665.71
7	1	80.2	10			173.71
8	2	79.9	10	1610		486.58
9	3	86.7	10	1511	1380	10.21
10	1	88.2	10			303.48
11	2	64.4	10	1393		577.67
12	2	85.6	10	1972		112.04
13	1	52.8	10			344.25
14	2	76.3	10	1210		167.86
15	2	57.9	10	1158		632.9
16	2	66.5	10	1516		39.4

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	87.2	8	1290		659.033
2	2	65.2	8	1713		135.601
3	1	93.3	8			184.572
4	2	72.7	8	1602		1050.693
5	1	68.4	8			360.424
6	1	65.7	8			688.805
7	2	55.3	8	1832		405.615
8	2	99.6	8	1066		310.106
9	2	68.5	8	1326		432.387
10	2	82.4	8	1892		753.418
11	3	72.8	8	1309	1437	917.309

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	1	74	17			15.739
2	1	50.3	17			379.188
3	2	81.4	17	1503		302.335
4	2	96.6	17	1402		298.063
5	3	92.4	17	2000	1609	58.411
6	2	70.4	17	1746		140.658
7	2	99.6	17	1386		289.676
8	3	90.1	17	1786	1754	257.674
9	2	73.8	17	1154		608.491
10	2	62	17	1127		24.959
11	2	98.4	17	1600		439.816
12	3	86.4	17	1891	1111	474.084
13	3	72.8	17	1228	1286	262.772
14	2	68.5	17	1442		449.299
15	1	71.8	17			427.247
16	2	67.4	17	1040		214.065
17	1	69.1	17			209.282

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	87.1	10	1299		212.643
2	3	52.1	10	1109	1581	30.875
3	2	62.1	10	1606		481.646
4	2	83.4	10	1266		884.329
5	2	64.9	10	1608		663.822
6	2	86.7	10	1959		184.445
7	3	51.4	10	1845	1985	649.548
8	2	99.8	10	1557		851.952
9	2	60.1	10	1812		557.125
10	1	84.8	10			92.338
11	3	88.8	10	1568	1381	380.491
12	1	75.8	10			658.454
13	1	66.9	10			439.777

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	71.9	14	1708		594.415
2	3	54.5	14	1852	1961	23.091
3	2	74.4	14	1067		559.684
4	2	63.5	14	1538		196.811
5	3	70.7	14	1242	1133	534.109
6	3	88.3	14	1256	1473	62.926
7	1	94.4	14			33.523
8	1	54.6	14			707.72
9	2	98.8	14	1867		258.487
10	2	85.4	14	1243		385.674
11	2	86.7	14	1397		286.561
12	1	73.3	14			204.129
13	2	98	14	1298		531.786
14	1	89.7	14			770.243

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	58	15			214.465
2	2	51.4	15	1118		566.801
3	3	52.1	15	1155	1517	434.002
4	3	84.6	15	1791	1348	708.203
5	1	67.1	15			1021.374
6	2	95.8	15	1744		559.875
7	3	95.9	15	1032	1294	554.055
8	2	65.3	15	1890		1014.716
9	3	80.9	15	1565	1265	624.507
10	2	65.9	15	1278		925.518
11	2	74.4	15	1098		219.809

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	1	70.8	14			551.844
2	2	97.8	14	1348		1011.021
3	1	54.1	14			1022.642
4	1	81.7	14			671.093
5	2	95.7	14	1636		125.374
6	3	80.9	14	1560	1302	197.735
7	3	57.6	14	1826	1851	408.425
8	2	75.2	14	1978		336.286
9	2	99	14	1232		317.947
10	2	83.1	14	1125		78.028
11	1	78.2	14			1040.509

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	52.7	12	1972		482.632
2	1	78.4	12			396.207
3	1	77.9	12			460.654
4	2	99.6	12	1527		777.471
5	2	85.2	12	1789		57.269
6	1	94.5	12			265.066
7	1	51.9	12			99.393
8	3	71.4	12	1385	1233	270.82
9	1	83.9	12			305.427
10	2	51	12	1271		414.184
11	2	77.6	12	1302		819.971
12	2	58.5	12	1516		622.529
13	3	70.3	12	1569	1198	697.886
14	3	88.5	12	1789	1961	798.743

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	98.5	18	1641	1623	628.591
2	1	83.9	18			316.056
3	3	66.3	18	1568	1509	455.637
4	2	72.9	18	1985		445.79
5	1	68.8	18			630.373
6	3	69.8	18	1070	1702	181.827
7	1	92.2	18			401.9
8	3	50.1	18	1651	1206	320.273
9	1	73.2	18			659.587
10	2	82.1	18	1956		83.45
11	3	96.8	18	1401	1336	352.333
12	2	53.7	18	1903		386.717
13	2	90	18	1295		297.25
14	1	71	18			202.973
15	3	89	18	1066	1777	436.587
16	2	80.6	18	1782		315.6
17	1	77	18			607.433
18	2	80.9	18	1458		214.867

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	87.4	17	1916	1427	285.056
2	2	54.9	17	1495		591.221
3	1	81.4	17			568.712
4	3	56.4	17	1885	1155	374.213
5	2	82.5	17	1359		121.284
6	1	52.4	17			471.375
7	2	73.9	17	1308		195.346
8	1	53.2	17			337.137
9	1	67.7	17			29.088
10	3	68.7	17	1525	1600	314.289
11	2	91.7	17	1535		366.101
12	2	95.2	17	1743		105.152
13	1	90.1	17			361.273
14	3	75.3	17	1247	1276	231.324
15	2	75.8	17	1990		317.975
16	2	59.9	17	1984		587.916
17	1	53.2	17			399.537
18	2	67.7	17	1646		439.458
19	2	92	17	1472		444.079

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	3	95.1	12	1983	1113	146.131
2	2	84.7	12	1125		600.38
3	2	53.2	12	1635		659.68
4	3	88.7	12	1793	1081	465.97
5	1	61.1	12			378.63
6	2	58.2	12	1978		677.55
7	3	64.6	12	1448	1944	515.4
8	3	61.1	12	1056	1069	429.93
9	1	94.3	12			557.15
10	2	90.7	12	1834		214.53
11	3	76.2	12	1814	1164	63.08
12	3	79.7	12	1265	1348	734.22
13	2	66.5	12	1625		449.09
14	2	79.2	12	1772		680.8
15	2	56.6	12	1837		358.2
16	3	90.9	12	1967	1220	467.1

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	2	64.9	20	1372		1077.8
2	2	91.1	20	1014		403.201
3	3	61.3	20	1977	1928	195.902
4	3	73.9	20	1403	1275	505.993
5	3	51.3	20	1379	1129	497.694
6	1	77.5	20			252.595
7	2	95.2	20	1193		278.025
8	3	84.1	20	1604	1235	188.486
9	2	72.1	20	1785		534.217
10	2	51.1	20	1698		259.018
11	2	81	20	1868		776.609

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	3	81.5	11	1062	1427	821.537
2	1	69.2	11			111.95
3	2	74.3	11	1907		725.38
4	1	52.3	11			430.46
5	1	87.7	11			784.53
6	2	57.2	11	1053		960.85
7	2	62.3	11	1525		437.69
8	3	97	11	1387	1153	248.29
9	2	84.6	11	1445		288.33
10	3	82.8	11	1383	1347	835.86
11	1	77.1	11			913.4
12	1	94.4	11			726.3

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	2	95.8	11	1813		1154.99
2	2	64.9	11	1722		235.407
3	2	73.6	11	1105		976.993
4	2	83.4	11	1998		136.5
5	2	77.8	11	1286		860.087
6	2	55.8	11	1189		1049.273
7	1	80.1	11			738.72
8	1	75.3	11			1116.667
9	2	59.2	11	1078		1096.833

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	54.7	19	1884		650.001
2	3	80.4	19	1390	1253	497.42
3	2	66.1	19	1901		955.73
4	1	61.5	19			534.46
5	3	90.7	19	1762	1575	980.5
6	1	82.5	19			670.67
7	1	54.4	19			261.5
8	1	99	19			454
9	1	59.2	19			277.96
10	2	62.7	19	1336		241.61
11	2	80.1	19	1714		284.1
12	2	63.2	19	1273		79.3

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	92	9	1572		713.448
2	2	85.1	9	1982		710.26
3	2	75.4	9	1004		1179.94
4	1	67.6	9			276.66
5	2	53.6	9	1394		422.12
6	1	85.4	9			997.91
7	1	98.8	9			637.89
8	1	77.4	9			999.58
9	2	74.1	9	1053		410.5
10	2	66	9	1689		1065.1

Type 5 Radar Waveform_30

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	60	15			539.663
2	2	50.2	15	1265		145.837
3	3	56.9	15	1599	1671	754.034
4	2	72.7	15	1877		331.761
5	1	55.9	15			247.629
6	2	70.3	15	1789		72.516
7	1	98.9	15			100.313
8	2	58.9	15	1617		408.36
9	2	66.5	15	1959		546.607
10	3	98.4	15	1659	1289	462.704
11	2	60	15	1953		518.411
12	1	57.4	15			207.909
13	2	61	15	1211		291.486
14	3	79.1	15	1063	1634	846.443

Radar Type 6 - Radar Statistical Performance

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

Type 6 Radar Waveform_1				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.5	5.504	20	*
7	5.5	5.496	20	*
11	5.5	5.5	20	*
45	5.5	5.51	20	*
76	5.5	5.505	20	*
84	5.5	5.498	20	*
95	5.5	5.497	20	*

Type 6 Radar Waveform_2				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
22	5.5	5.5	20	*

Type 6 Radar Waveform_3

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
15	5.5	5.504	20	*
19	5.5	5.491	20	*
82	5.5	5.49	20	*

Type 6 Radar Waveform_4

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
28	5.5	5.505	20	*
48	5.5	5.506	20	*
61	5.5	5.491	20	*
76	5.5	5.494	20	*

Type 6 Radar Waveform_5

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
16	5.5	5.508	20	*
24	5.5	5.49	20	*
26	5.5	5.509	20	*
45	5.5	5.5	20	*
51	5.5	5.495	20	*

Type 6 Radar Waveform_6

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
7	5.5	5.503	20	*
10	5.5	5.491	20	*
26	5.5	5.507	20	*
34	5.5	5.492	20	*
43	5.5	5.506	20	*
61	5.5	5.502	20	*
96	5.5	5.498	20	*

Type 6 Radar Waveform_7

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
38	5.5	5.491	20	*
57	5.5	5.501	20	*
82	5.5	5.49	20	*

Type 6 Radar Waveform_8				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
33	5.5	5.492	20	*
44	5.5	5.51	20	*

Type 6 Radar Waveform_9				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.5	5.503	20	*
69	5.5	5.508	20	*

Type 6 Radar Waveform_10				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
24	5.5	5.499	20	*
45	5.5	5.504	20	*
74	5.5	5.497	20	*
84	5.5	5.508	20	*

Type 6 Radar Waveform_11				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
39	5.5	5.502	20	*
46	5.5	5.503	20	*
56	5.5	5.507	20	*
81	5.5	5.495	20	*
91	5.5	5.492	20	*

Type 6 Radar Waveform_12				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.5	5.502	20	*
5	5.5	5.5	20	*
57	5.5	5.494	20	*
68	5.5	5.51	20	*

Type 6 Radar Waveform_13				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
18	5.5	5.497	20	*
21	5.5	5.508	20	*
22	5.5	5.492	20	*
49	5.5	5.504	20	*
54	5.5	5.507	20	*
77	5.5	5.509	20	*

Type 6 Radar Waveform_14				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
32	5.5	5.498	20	*
40	5.5	5.501	20	*
49	5.5	5.503	20	*
61	5.5	5.505	20	*

Type 6 Radar Waveform_15				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
14	5.5	5.492	20	*
26	5.5	5.509	20	*
27	5.5	5.51	20	*
49	5.5	5.494	20	*
85	5.5	5.495	20	*

Type 6 Radar Waveform_16				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
52	5.5	5.508	20	*
92	5.5	5.51	20	*

Type 6 Radar Waveform_17				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.5	5.494	20	*
7	5.5	5.505	20	*
19	5.5	5.492	20	*
23	5.5	5.502	20	*
36	5.5	5.51	20	*
86	5.5	5.5	20	*
98	5.5	5.498	20	*

Type 6 Radar Waveform_18

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
24	5.5	5.499	20	*
68	5.5	5.495	20	*
96	5.5	5.494	20	*

Type 6 Radar Waveform_19

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
17	5.5	5.505	20	*
57	5.5	5.506	20	*
61	5.5	5.502	20	*
63	5.5	5.497	20	*
77	5.5	5.509	20	*
96	5.5	5.501	20	*

Type 6 Radar Waveform_20

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
72	5.5	5.504	20	*
81	5.5	5.498	20	*

Type 6 Radar Waveform_21

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
24	5.5	5.493	20	*
34	5.5	5.507	20	*
44	5.5	5.492	20	*
45	5.5	5.504	20	*

Type 6 Radar Waveform_22

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.5	5.497	20	*
9	5.5	5.493	20	*
21	5.5	5.505	20	*
40	5.5	5.499	20	*
47	5.5	5.509	20	*
72	5.5	5.5	20	*
74	5.5	5.507	20	*
93	5.5	5.503	20	*

Type 6 Radar Waveform_23					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
3	5.5	5.5	20	*	
29	5.5	5.505	20	*	
45	5.5	5.503	20	*	
47	5.5	5.497	20	*	
53	5.5	5.49	20	*	

Type 6 Radar Waveform_24					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
2	5.5	5.509	20	*	
18	5.5	5.497	20	*	
35	5.5	5.496	20	*	
50	5.5	5.498	20	*	
71	5.5	5.508	20	*	

Type 6 Radar Waveform_25					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
19	5.5	5.495	20	*	
24	5.5	5.501	20	*	
50	5.5	5.496	20	*	
56	5.5	5.491	20	*	
71	5.5	5.509	20	*	
83	5.5	5.493	20	*	

Type 6 Radar Waveform_26					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
1	5.5	5.496	20	*	
67	5.5	5.507	20	*	
70	5.5	5.49	20	*	
76	5.5	5.494	20	*	

Type 6 Radar Waveform_27					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
17	5.5	5.493	20	*	
27	5.5	5.498	20	*	
34	5.5	5.505	20	*	
56	5.5	5.494	20	*	
59	5.5	5.502	20	*	
68	5.5	5.501	20	*	

Type 6 Radar Waveform_28				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
63	5.5	5.498	20	*
77	5.5	5.504	20	*
91	5.5	5.495	20	*

Type 6 Radar Waveform_29				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
28	5.5	5.497	20	*
40	5.5	5.494	20	*
79	5.5	5.49	20	*
83	5.5	5.502	20	*
86	5.5	5.501	20	*

Type 6 Radar Waveform_30				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
7	5.5	5.497	20	*
21	5.5	5.509	20	*



Product	AXE5400 Tri-Band Wi-Fi 6E Router	Temperature	27°C
Test Engineer	Kevin Ker	Relative Humidity	65%
Test Site	SR2	Test Date	2021/10/18
Test Item	Radar Statistical Performance Check (802.11ax-HE40 mode – 5510MHz)		

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5491	1	778	68	0
2	5495	1	798	67	1
3	5526	1	618	86	1
4	5499	1	898	59	1
5	5500	1	858	62	1
6	5508	1	818	65	1
7	5492	1	518	102	1
8	5513	1	838	63	1
9	5493	1	918	58	1
10	5515	1	938	57	1
11	5512	1	758	70	1
12	5518	1	678	78	1
13	5514	1	718	74	1
14	5518	1	738	72	1
15	5494	1	578	92	1
16	5510	1	2957	18	1
17	5507	1	2442	22	1
18	5518	1	3028	18	1
19	5524	1	1543	35	1
20	5524	1	2498	22	1
21	5503	1	1110	48	1
22	5521	1	839	63	1
23	5523	1	628	84	1
24	5508	1	2668	20	1
25	5513	1	799	66	1
26	5491	1	1887	28	1
27	5512	1	3022	18	0
28	5519	1	1066	50	1



29	5494	1	1941	28	1
30	5529	1	2445	22	1
Detection Percentage (%)					93.3%



Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5491	1.9	183	29	1
2	5520	1.6	158	28	0
3	5522	2	218	29	1
4	5529	1.6	202	24	1
5	5507	1.1	169	29	1
6	5493	1.8	153	29	1
7	5517	2.6	184	24	1
8	5510	4.6	159	25	1
9	5520	4.8	216	23	1
10	5503	1	199	27	0
11	5494	1.9	210	28	1
12	5529	1.5	186	26	1
13	5516	1.3	200	23	1
14	5501	2.8	214	28	1
15	5502	3	221	24	1
16	5502	3.4	179	24	1
17	5520	2	230	27	1
18	5528	2.6	191	29	1
19	5519	1.3	200	26	1
20	5508	2.1	228	24	1
21	5512	2.9	228	26	1
22	5514	1.8	199	26	1
23	5528	2.3	201	25	1
24	5512	4.9	181	29	1
25	5501	2.3	156	28	1
26	5509	3.5	201	24	1
27	5517	3.5	172	25	1
28	5517	4.5	159	27	1
29	5500	4.9	220	26	1
30	5529	2.4	156	27	0
Detection Percentage (%)					90.0%



Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5491	6.1	430	18	1
2	5513	6.7	261	17	1
3	5507	6.8	473	17	0
4	5502	8.9	247	17	1
5	5523	6.4	482	17	1
6	5505	7.1	498	17	1
7	5506	6.4	296	16	1
8	5527	6.4	376	17	1
9	5508	6.9	444	16	1
10	5527	9.1	304	16	1
11	5500	6.8	287	17	0
12	5520	6	215	17	1
13	5510	6.8	355	18	0
14	5524	7.4	251	16	0
15	5498	9.9	290	18	1
16	5512	8.4	317	16	1
17	5525	9.1	312	18	1
18	5496	7.2	390	18	1
19	5524	7.3	206	18	1
20	5520	6.9	222	17	1
21	5518	6.7	389	16	1
22	5513	7.6	492	16	0
23	5520	7.7	251	18	1
24	5525	6.6	326	17	1
25	5498	8.5	237	17	1
26	5505	7.5	304	18	0
27	5518	7	224	17	1
28	5522	9.5	408	17	1
29	5504	7.1	282	18	0
30	5529	7.4	301	17	1
Detection Percentage (%)					76.7%

Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5491	19.6	200	12	1
2	5519	19.7	279	12	1
3	5526	19.3	292	14	0
4	5512	19.3	260	16	1
5	5496	17.7	353	16	1
6	5499	16.3	305	14	1
7	5497	12.8	441	16	0
8	5513	12.2	340	12	0
9	5522	15.7	225	15	0
10	5510	14.7	446	15	1
11	5525	11.6	218	14	1
12	5499	16.2	448	15	0
13	5527	17	469	15	1
14	5506	18.5	209	15	0
15	5506	16.2	227	12	1
16	5506	18.3	318	14	1
17	5514	12.8	240	15	1
18	5499	16.4	400	14	1
19	5501	19.7	468	14	1
20	5511	19.5	273	15	0
21	5504	12.8	294	14	1
22	5508	18.7	354	15	1
23	5527	14.4	316	15	1
24	5502	11.5	488	13	1
25	5506	18.8	336	13	1
26	5499	18.9	326	13	1
27	5496	18.1	427	15	1
28	5512	11	415	12	1
29	5521	15.5	297	15	1
30	5529	17.8	223	13	1
Detection Percentage (%)					76.7%

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test

waveforms is as follows: $\frac{P_d1 + P_d2 + P_d3 + P_d4}{4} = (93.3\% + 90.0\% + 76.7\% + 76.7\%) / 4 = 84.2\% (>80\%)$



Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5500	1	16	5496.2	1
2	5500	1	17	5493.8	1
3	5500	1	18	5496.6	1
4	5500	1	19	5493.4	1
5	5500	1	20	5497	1
6	5500	1	21	5523.4	1
7	5500	1	22	5525	1
8	5500	1	23	5527	1
9	5500	1	24	5525.4	1
10	5500	1	25	5524.6	1
11	5495.8	1	26	5525.8	1
12	5499	1	27	5523.4	1
13	5495.4	1	28	5526.2	1
14	5497	0	29	5523.4	1
15	5498.6	0	30	5526.2	1
Detection Percentage (%)					93.3%

Type 5 Radar Waveform_1						
Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	62.5	18			841.184
2	2	65.7	18	1657		241.671
3	3	78.9	18	1576	1061	394.702
4	3	61	18	1745	1314	314.263
5	2	95.6	18	1052		841.504
6	2	59.6	18	1958		16.195
7	1	53.3	18			491.615
8	2	79.9	18	1766		621.346
9	3	98.2	18	1766	1796	603.247
10	2	60.1	18	1627		1006.118
11	3	59.4	18	1920	1798	501.709

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	1	98.4	9			272.278
2	3	82.2	9	1792	1141	692.13
3	2	62.1	9	1519		227.69
4	2	63.6	9	1430		640.9
5	3	100	9	1723	1197	10.75
6	2	59.3	9	1548		671.95
7	3	82.6	9	1242	1092	18.66
8	3	93.5	9	1362	1386	1089.13
9	3	91.7	9	1397	1176	215.05
10	2	95.4	9	1720		638.7

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	63.5	12			928.166
2	2	60.3	12	1630		1053.237
3	2	93.7	12	1310		1148.523
4	3	79	12	1912	1033	806.68
5	1	55.4	12			1137.237
6	2	97.8	12	1427		540.353
7	2	85.8	12	1761		328.19
8	3	53.6	12	1878	1272	21.377
9	1	95.9	12			1238.233

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	80.6	6			337.107
2	1	56.2	6			662.227
3	2	72.8	6	1558		772.434
4	2	63.7	6	1826		99.351
5	3	96.1	6	1054	1871	689.489
6	2	55.9	6	1780		427.716
7	2	57.2	6	1234		136.133
8	2	99.7	6	1579		346.4
9	2	79	6	1474		709.597
10	2	69.2	6	1634		306.514
11	3	72.6	6	1466	1154	834.911
12	1	91.7	6			220.329
13	2	54.7	6	1602		512.886
14	2	73.9	6	1338		206.243

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	58.6	7			676.662
2	3	75.6	7	1555	1047	141.251
3	2	87.4	7	1478		344.27
4	2	89.1	7	1937		150.14
5	2	81.4	7	1190		627.35
6	1	81.1	7			716.93
7	1	78.8	7			21.97
8	2	86.7	7	1564		624.23
9	2	74.5	7	1850		167.47
10	2	75.1	7	1594		580.78
11	2	95.8	7	1738		326.57
12	3	78.6	7	1057	1932	243.49
13	2	71.6	7	1102		93.64
14	2	87.7	7	1286		293
15	2	61.6	7	1989		68.5
16	3	85.2	7	1127	1707	368

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	3	68.9	9	1995	1276	601.596
2	3	76.7	9	1884	1849	620.998
3	1	61.2	9			234.025
4	2	69.9	9	1856		318.963
5	3	57.1	9	1047	1092	460.421
6	1	56.3	9			97.268
7	3	58.7	9	1821	1696	61.616
8	1	90.5	9			99.574
9	2	73.8	9	1298		424.191
10	3	80.3	9	1085	1407	154.309
11	2	56.1	9	1385		684.776
12	2	81.3	9	1671		275.884
13	2	78.2	9	1272		349.432
14	2	80.5	9	1409		195.169
15	2	87.6	9	1908		283.047
16	1	74	9			174.865
17	1	81.5	9			100.682

Type 5 Radar Waveform_7

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	1427		191.44
2	1	92.1	9			1114.41
3	1	73.1	9			1071.13
4	2	77.5	9	1634		808.05
5	1	62.7	9			686.55
6	3	55.7	9	1970	1233	595.96
7	1	86.2	9			285.22
8	2	56.8	9	1800		257.89
9	1	51.1	9			885.4
10	3	51.2	9	1033	1134	386.1

Type 5 Radar Waveform_8

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	82.5	19	1554		470.792
2	1	65.6	19			796.16
3	2	72.5	19	1406		720.94
4	2	61.4	19	1315		837.05
5	2	74.2	19	1804		186.06
6	3	98.7	19	1653	1956	319.91
7	2	76.2	19	1539		432.9
8	3	87.8	19	1513	1387	375.39
9	2	88.2	19	1607		357.83
10	1	51	19			558.28
11	2	83	19	1168		593.1
12	1	80.9	19			76

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	82.5	12	1781	1996	468.009
2	3	68	12	1353	1182	183.691
3	3	68.4	12	1791	1546	454.677
4	2	94.6	12	1304		517.27
5	2	67.8	12	1128		133.373
6	2	85	12	1481		278.507
7	1	89.8	12			600.88
8	3	76.3	12	1167	1019	396.293
9	3	83.9	12	1402	1190	75.497
10	3	84.7	12	1412	1503	653.6
11	2	84.2	12	1370		200.333
12	1	69.2	12			607.087
13	2	52.8	12	1964		513.3
14	2	58.6	12	2000		558.323
15	2	96.1	12	1244		206.877
16	2	66.1	12	1318		186.5
17	2	81.7	12	1802		146.433
18	3	64.1	12	1665	1563	510.067

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	81.8	16	1733		876.114
2	2	92.7	16	1890		993.19
3	2	75.2	16	1403		632.82
4	1	80.9	16			304.01
5	2	74.2	16	1295		846.33
6	2	99	16	1167		462.84
7	2	52.7	16	1245		660.65
8	2	82.4	16	1121		645.81
9	2	58	16	1117		439.4
10	1	79.3	16			262.3

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	2	86.2	12	1764		170.962
2	1	83	12			250.552
3	1	85	12			142.842
4	3	87	12	1907	1594	172.313
5	2	86.7	12	1965		372.494
6	1	70	12			495.055
7	2	90.5	12	1470		579.426
8	3	91.9	12	1398	1991	434.317
9	1	93.6	12			535.278
10	3	97.8	12	1763	1463	53.729
11	3	77.2	12	1365	1921	131.671
12	1	94.2	12			225.902
13	2	69.2	12	1787		428.063
14	2	98.7	12	1092		368.444
15	3	99.5	12	1110	1091	430.995
16	3	66.2	12	1798	1042	119.626
17	2	60.9	12	1148		177.237
18	2	74.8	12	1171		51.158
19	2	53	12	1348		484.779

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	59.6	20	1225		373.383
2	2	93	20	1465		303.378
3	1	53	20			118.995
4	1	67.6	20			412.483
5	2	63.2	20	1828		207.181
6	2	93.3	20	1015		274.778
7	2	77.5	20	1032		409.776
8	2	52.6	20	1668		221.254
9	3	99.7	20	1907	1957	115.341
10	2	64.5	20	1324		297.889
11	1	77.1	20			320.916
12	2	51.6	20	1063		380.614
13	1	85.5	20			674.682
14	2	90.7	20	1012		103.309
15	2	50.1	20	1874		310.547
16	2	51.4	20	1961		166.865
17	3	54.9	20	1142	1303	578.882

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	96.4	11	1842		133.504
2	3	52.9	11	1439	1834	167.755
3	3	82.4	11	1383	1827	504.717
4	2	95.1	11	1072		548.56
5	2	62.5	11	1263		382.063
6	2	67	11	1517		82.877
7	2	93.4	11	1079		125.11
8	2	53	11	1696		350.043
9	2	50.2	11	1615		236.187
10	1	81.6	11			25.99
11	2	65.7	11	1802		578.683
12	3	82.6	11	1280	1131	495.977
13	2	72.9	11	1465		52.98
14	2	62.6	11	1362		551.003
15	2	73.7	11	1453		454.097
16	1	63.3	11			146.5
17	2	83.6	11	1533		75.233
18	1	73.6	11			263.267

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	1	73.8	15			379.164
2	2	98.9	15	1520		280.617
3	2	51.6	15	1651		196.873
4	2	69	15	1160		171.77
5	2	90.3	15	1765		1067.577
6	2	50.3	15	1877		975.613
7	1	57.9	15			1197.09
8	1	54.5	15			41.017
9	2	75.3	15	1229		1185.033

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	1	83.4	19			1352.35
2	3	65.3	19	1205	1157	508.79
3	3	80.1	19	1863	1798	78.84
4	2	89	19	1918		865.91
5	3	93.9	19	1937	1388	1423.74
6	1	66.4	19			452.49
7	2	68	19	1985		1468.1
8	3	53.2	19	1220	1659	896.2

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	95.9	13	1719		183.156
2	3	56.1	13	1958	1564	72.091
3	2	69.9	13	1552		488.604
4	2	57.5	13	1968		551.911
5	3	60.1	13	1816	1309	430.889
6	3	94	13	1798	1812	619.026
7	3	72.2	13	1749	1449	658.283
8	3	85.9	13	1210	1568	746.34
9	1	71.1	13			760.117
10	3	58.8	13	1581	1941	38.534
11	3	60.6	13	1493	1219	462.121
12	2	71.5	13	1942		144.729
13	2	80.5	13	1548		655.486
14	1	70.3	13			619.543

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	82.4	7	1242		615.786
2	1	65.7	7			81.289
3	2	71.3	7	1148		580.562
4	3	79.1	7	1479	1856	267.533
5	2	62.4	7	1857		516.584
6	2	83.1	7	1895		546.935
7	2	75.2	7	1399		345.706
8	1	61	7			535.497
9	2	70.9	7	1846		587.308
10	2	51.1	7	1049		347.179
11	2	70.1	7	1827		83.021
12	1	86.3	7			323.412
13	2	50	7	1622		303.503
14	3	79.9	7	1241	1171	327.964
15	2	82.5	7	1064		623.085
16	1	60.1	7			95.706
17	3	97.5	7	1758	1636	458.037
18	2	79.6	7	1405		150.158
19	3	69.5	7	1775	1197	605.879

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	79	14	1555		25.618
2	3	75.5	14	1922	1119	500.081
3	1	90	14			412.842
4	2	86.1	14	1291		332.083
5	2	95.4	14	1440		62.874
6	2	57.7	14	1549		844.885
7	1	54.7	14			164.085
8	2	63.2	14	1167		29.026
9	2	67.9	14	1848		424.907
10	1	89.7	14			384.418
11	2	66.5	14	1109		900.209

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	64.7	6	1055		388.743
2	2	80.6	6	1616		223.773
3	3	57	6	1708	1067	54.26
4	2	57.9	6	1341		463.12
5	1	86.7	6			582.34
6	2	91.6	6	1934		372.81
7	1	91.4	6			254.26
8	2	89.6	6	1927		295.58
9	2	74.5	6	1750		85.37
10	2	57	6	1131		36.3
11	2	65	6	1997		451.28
12	2	59.3	6	1668		87.73
13	2	61.6	6	1026		373.75
14	2	91.2	6	1406		195.77
15	2	52.4	6	1872		582.32
16	2	64	6	1011		119.25
17	1	84	6			514.4
18	2	67.1	6	1131		317
19	3	99.8	6	1750	1864	111.7
20	1	81.8	6			484.2

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	62.5	15	1881	1050	249.927
2	3	52.8	15	1614	1835	761.57
3	3	84	15	1888	1307	533.1
4	1	77.3	15			185.32
5	1	97.3	15			647.62
6	2	77.8	15	1426		635
7	2	51.6	15	1980		307.9
8	1	63.6	15			145.05
9	2	98.2	15	1464		284.63
10	1	74.2	15			479.95
11	2	92.2	15	1502		61.35
12	3	89.6	15	1358	1811	540.03
13	2	88	15	1866		610.7
14	3	86.8	15	1017	1544	751.9
15	2	92.9	15	1251		209.5

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	84.7	14	1644		545.662
2	1	99.7	14			165.18
3	2	58.9	14	1100		30.87
4	3	98.7	14	1864	1212	422.95
5	1	57.4	14			69.19
6	2	54.6	14	1090		219.97
7	2	62.5	14	1496		512.04
8	2	65.6	14	1183		439
9	3	94.7	14	1025	1770	563.36
10	2	67.4	14	1791		549.81
11	1	98.6	14			570.29
12	2	75.9	14	1730		257.4
13	1	94.3	14			445.4
14	1	92.2	14			545.1
15	2	92.5	14	1003		49.9

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	69.5	10	1446	1933	626.71
2	2	99.1	10	1837		531.997
3	1	52.7	10			232.293
4	2	77.6	10	1331		848.04
5	2	94.9	10	1753		382.277
6	3	65.7	10	1271	1035	691.393
7	1	84.7	10			1118.36
8	1	52	10			983.267
9	3	58.3	10	1735	1211	328.233

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	99.7	5	1055		574.29
2	2	87.6	5	1197		73.926
3	2	87.9	5	1153		775.92
4	3	55.1	5	1414	1742	24.96
5	3	81.3	5	1452	1858	233.55
6	2	84.1	5	1671		391.37
7	2	97.5	5	1017		127.42
8	2	70.3	5	1193		770.22
9	3	72	5	1580	1941	484.66
10	1	53	5			74.77
11	2	89.3	5	1720		32.47
12	1	90.5	5			75.27
13	3	63.3	5	1990	1160	341.02
14	3	93.4	5	1732	1518	304.6
15	2	59.4	5	1375		18.1

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	70.6	9			163.885
2	3	85.2	9	1341	1203	607.343
3	2	68.9	9	1823		303.407
4	2	73.1	9	1465		271.48
5	2	95.2	9	1245		129.163
6	2	99.3	9	1304		462.577
7	2	73	9	1923		14.4
8	2	52.4	9	1548		89.833
9	2	90.2	9	1728		589.307
10	2	71.4	9	1678		184.1
11	2	88	9	1705		529.823
12	2	81.5	9	1412		487.767
13	3	83.3	9	1948	1120	289.66
14	2	92.6	9	1265		394.543
15	2	60.1	9	1142		149.697
16	3	51.7	9	1715	1556	195.6
17	2	65.7	9	1524		399.233
18	3	91.1	9	1887	1490	533.067

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	90.7	11	1637	1112	1256.05
2	3	71.8	11	1246	1663	337.41
3	2	50	11	1103		188.41
4	1	76.7	11			1035.99
5	2	84.8	11	1613		682.24
6	2	88.6	11	1596		1204.33
7	1	63.4	11			796.63
8	1	97.8	11			354.4

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	81	8			152.389
2	1	71.3	8			303.707
3	2	96.8	8	1981		512.79
4	2	98.4	8	1519		69.43
5	2	68.2	8	1697		507.01
6	2	52.8	8	1094		530.05
7	1	53.5	8			545
8	2	73.6	8	1242		460.17
9	2	98.2	8	1091		100.79
10	2	88.2	8	1549		482.1
11	2	68.5	8	1867		437.28
12	2	79.8	8	1654		304.64
13	2	78	8	1539		274.42
14	2	54.8	8	1893		99.26
15	3	90.9	8	1305	1630	119
16	2	60.5	8	1066		247.26
17	2	60	8	1356		61.86
18	2	96.8	8	1285		349.7
19	1	70.2	8			570.8
20	2	77.9	8	1455		292.6

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	2	76.9	14	1859		89.688
2	1	93.4	14			231.24
3	3	73.7	14	1269	1899	922.71
4	3	75	14	1621	1973	114.35
5	2	57.2	14	1163		380.81
6	2	62.9	14	1301		539.39
7	2	96.3	14	1825		154.35
8	2	64.7	14	1177		149.01
9	2	66	14	1916		228.86
10	1	75	14			799.99
11	3	63.2	14	1866	1932	900.7
12	2	64.1	14	1667		531.2

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	92.8	7	1930	1716	359.459
2	2	70.9	7	1567		584.83
3	1	88.2	7			888.39
4	3	57	7	1396	1820	875.12
5	2	76.4	7	1464		444.62
6	2	75.6	7	1515		936.24
7	3	75.8	7	1460	1177	185.63
8	2	86.6	7	1346		50.11
9	2	95.1	7	1029		470.4
10	3	62.9	7	1950	1848	560.9

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	74.6	14	1332		364.196
2	1	65.2	14			753.537
3	2	75.9	14	1929		487.964
4	2	98.4	14	1283		210.271
5	1	74.6	14			445.579
6	2	53.6	14	1931		751.356
7	2	74.9	14	1907		466.343
8	2	95.1	14	1369		378.46
9	3	64.9	14	1734	1793	782.047
10	2	54.8	14	1550		503.594
11	3	95.8	14	1656	1968	560.631
12	2	94.1	14	1961		129.529
13	2	65.4	14	1907		94.886
14	2	55.9	14	1500		490.043

Type 5 Radar Waveform_30

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	88.5	7	1555	1868	523.301
2	2	99.3	7	1565		303.691
3	1	73.1	7			990.782
4	2	62.1	7	1038		80.383
5	2	63.1	7	1365		0.974
6	2	97.9	7	1502		609.365
7	1	53.9	7			596.365
8	1	54.4	7			103.196
9	2	84.1	7	1848		997.717
10	2	61.2	7	1342		289.818
11	3	82	7	1849	1854	182.209

Radar Type 6 - Radar Statistical Performance

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

Type 6 Radar Waveform_1				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
38	5.51	5.514	40	*
45	5.51	5.506	40	*
57	5.51	5.518	40	*
59	5.51	5.492	40	*
60	5.51	5.52	40	*
67	5.51	5.495	40	*
70	5.51	5.505	40	*
83	5.51	5.498	40	*
84	5.51	5.512	40	*
97	5.51	5.503	40	*
99	5.51	5.497	40	*

Type 6 Radar Waveform_2				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
18	5.51	5.51	40	*
24	5.51	5.501	40	*
37	5.51	5.493	40	*
40	5.51	5.505	40	*
49	5.51	5.521	40	*
54	5.51	5.524	40	*
60	5.51	5.507	40	*
82	5.51	5.5	40	*

Type 6 Radar Waveform_3				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
18	5.51	5.524	40	*
19	5.51	5.5	40	*
23	5.51	5.499	40	*
36	5.51	5.507	40	*
38	5.51	5.517	40	*

Type 6 Radar Waveform_4				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.51	5.511	40	*
2	5.51	5.529	40	*
13	5.51	5.516	40	*
19	5.51	5.503	40	*
26	5.51	5.492	40	*
28	5.51	5.517	40	*
51	5.51	5.514	40	*
56	5.51	5.523	40	*
74	5.51	5.52	40	*
77	5.51	5.521	40	*
83	5.51	5.502	40	*
85	5.51	5.494	40	*
95	5.51	5.493	40	*
96	5.51	5.522	40	*

Type 6 Radar Waveform_5

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.51	5.52	40	*
15	5.51	5.493	40	*
20	5.51	5.509	40	*
26	5.51	5.53	40	*
32	5.51	5.506	40	*
38	5.51	5.522	40	*
67	5.51	5.49	40	*
73	5.51	5.507	40	*
89	5.51	5.525	40	*

Type 6 Radar Waveform_6

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.51	5.49	40	*
3	5.51	5.51	40	*
43	5.51	5.517	40	*
60	5.51	5.509	40	*
66	5.51	5.521	40	*
73	5.51	5.518	40	*
78	5.51	5.527	40	*
87	5.51	5.496	40	*
94	5.51	5.507	40	*

Type 6 Radar Waveform_7				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
13	5.51	5.528	40	*
17	5.51	5.491	40	*
44	5.51	5.523	40	*
78	5.51	5.498	40	*
88	5.51	5.502	40	*

Type 6 Radar Waveform_8				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
8	5.51	5.494	40	*
11	5.51	5.501	40	*
23	5.51	5.498	40	*
24	5.51	5.518	40	*
39	5.51	5.52	40	*
43	5.51	5.49	40	*
53	5.51	5.495	40	*
63	5.51	5.515	40	*
96	5.51	5.5	40	*

Type 6 Radar Waveform_9				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
13	5.51	5.52	40	*
15	5.51	5.495	40	*
42	5.51	5.523	40	*
73	5.51	5.494	40	*
90	5.51	5.525	40	*

Type 6 Radar Waveform_10				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
10	5.51	5.493	40	*
15	5.51	5.514	40	*
24	5.51	5.511	40	*
34	5.51	5.507	40	*
50	5.51	5.527	40	*
52	5.51	5.496	40	*
56	5.51	5.519	40	*
72	5.51	5.504	40	*
100	5.51	5.518	40	*

Type 6 Radar Waveform_11				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
30	5.51	5.515	40	*
52	5.51	5.493	40	*
55	5.51	5.511	40	*
58	5.51	5.529	40	*
59	5.51	5.501	40	*

Type 6 Radar Waveform_12				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.51	5.528	40	*
23	5.51	5.515	40	*
48	5.51	5.499	40	*

Type 6 Radar Waveform_13				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
8	5.51	5.506	40	*
26	5.51	5.527	40	*
29	5.51	5.518	40	*
36	5.51	5.496	40	*
68	5.51	5.512	40	*
69	5.51	5.504	40	*
98	5.51	5.516	40	*

Type 6 Radar Waveform_14				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
22	5.51	5.525	40	*
25	5.51	5.499	40	*
39	5.51	5.522	40	*
45	5.51	5.53	40	*
69	5.51	5.517	40	*
89	5.51	5.511	40	*
91	5.51	5.521	40	*
95	5.51	5.515	40	*

Type 6 Radar Waveform_15				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
8	5.51	5.493	40	*
16	5.51	5.513	40	*
26	5.51	5.512	40	*
30	5.51	5.51	40	*
33	5.51	5.508	40	*
57	5.51	5.509	40	*
61	5.51	5.502	40	*
68	5.51	5.524	40	*
74	5.51	5.492	40	*
92	5.51	5.497	40	*
100	5.51	5.498	40	*

Type 6 Radar Waveform_16				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
12	5.51	5.492	40	*
30	5.51	5.49	40	*
38	5.51	5.516	40	*
93	5.51	5.522	40	*

Type 6 Radar Waveform_17				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.51	5.528	40	*
10	5.51	5.5	40	*
12	5.51	5.526	40	*
16	5.51	5.525	40	*
49	5.51	5.527	40	*
51	5.51	5.511	40	*
57	5.51	5.504	40	*
59	5.51	5.499	40	*
73	5.51	5.521	40	*
84	5.51	5.519	40	*
93	5.51	5.512	40	*
98	5.51	5.498	40	*

Type 6 Radar Waveform_18				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.51	5.499	40	*
20	5.51	5.523	40	*
73	5.51	5.528	40	*

Type 6 Radar Waveform_19					
	Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
	17	5.51	5.522	40	*
	25	5.51	5.518	40	*
	33	5.51	5.498	40	*
	37	5.51	5.493	40	*
	42	5.51	5.514	40	*
	54	5.51	5.494	40	*
	55	5.51	5.513	40	*
	58	5.51	5.491	40	*
	74	5.51	5.504	40	*
	87	5.51	5.492	40	*
	99	5.51	5.5	40	*

Type 6 Radar Waveform_20					
	Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
	2	5.51	5.524	40	*
	7	5.51	5.512	40	*
	15	5.51	5.514	40	*
	29	5.51	5.513	40	*

Type 6 Radar Waveform_21					
	Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
	8	5.51	5.516	40	*
	13	5.51	5.524	40	*
	21	5.51	5.514	40	*
	25	5.51	5.502	40	*
	30	5.51	5.52	40	*
	35	5.51	5.527	40	*
	49	5.51	5.513	40	*
	63	5.51	5.526	40	*
	68	5.51	5.509	40	*
	71	5.51	5.501	40	*
	72	5.51	5.495	40	*
	87	5.51	5.494	40	*

Type 6 Radar Waveform_22				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
19	5.51	5.503	40	*
23	5.51	5.513	40	*
34	5.51	5.527	40	*
49	5.51	5.504	40	*
52	5.51	5.512	40	*
56	5.51	5.495	40	*
86	5.51	5.519	40	*
94	5.51	5.499	40	*
98	5.51	5.528	40	*

Type 6 Radar Waveform_23				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.51	5.526	40	*
7	5.51	5.518	40	*
12	5.51	5.498	40	*
63	5.51	5.529	40	*
64	5.51	5.52	40	*
73	5.51	5.508	40	*
76	5.51	5.493	40	*
89	5.51	5.514	40	*
90	5.51	5.504	40	*

Type 6 Radar Waveform_24				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.51	5.528	40	*
18	5.51	5.502	40	*
22	5.51	5.5	40	*
32	5.51	5.522	40	*
46	5.51	5.518	40	*
55	5.51	5.525	40	*
79	5.51	5.52	40	*
94	5.51	5.492	40	*

Type 6 Radar Waveform_25				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.51	5.491	40	*
18	5.51	5.512	40	*
23	5.51	5.515	40	*
36	5.51	5.517	40	*

Type 6 Radar Waveform_26				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.51	5.497	40	*
6	5.51	5.517	40	*
71	5.51	5.52	40	*
89	5.51	5.504	40	*
95	5.51	5.498	40	*

Type 6 Radar Waveform_27				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
27	5.51	5.51	40	*
33	5.51	5.522	40	*
53	5.51	5.506	40	*
59	5.51	5.518	40	*
61	5.51	5.514	40	*
74	5.51	5.49	40	*
86	5.51	5.519	40	*
92	5.51	5.494	40	*
96	5.51	5.515	40	*
97	5.51	5.53	40	*

Type 6 Radar Waveform_28				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
10	5.51	5.496	40	*
22	5.51	5.515	40	*
38	5.51	5.498	40	*
42	5.51	5.522	40	*
48	5.51	5.492	40	*
61	5.51	5.503	40	*

Type 6 Radar Waveform_29				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
8	5.51	5.507	40	*
13	5.51	5.528	40	*
15	5.51	5.513	40	*
17	5.51	5.514	40	*
62	5.51	5.491	40	*
86	5.51	5.511	40	*
88	5.51	5.525	40	*
99	5.51	5.496	40	*

Type 6 Radar Waveform_30

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.51	5.508	40	*
6	5.51	5.496	40	*
30	5.51	5.53	40	*
33	5.51	5.519	40	*
48	5.51	5.495	40	*
71	5.51	5.512	40	*
93	5.51	5.52	40	*



Product	AXE5400 Tri-Band Wi-Fi 6E Router	Temperature	27°C
Test Engineer	Kevin Ker	Relative Humidity	65%
Test Site	SR2	Test Date	2021/10/17
Test Item	Radar Statistical Performance Check (802.11ax-HE80 mode – 5530MHz)		

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5491	1	698	76	1
2	5537	1	738	72	1
3	5534	1	778	68	1
4	5516	1	638	83	1
5	5564	1	518	102	1
6	5499	1	758	70	1
7	5516	1	618	86	1
8	5539	1	598	89	1
9	5525	1	718	74	1
10	5518	1	558	95	1
11	5530	1	898	59	1
12	5542	1	938	57	1
13	5516	1	798	67	1
14	5506	1	818	65	1
15	5546	1	678	78	1
16	5497	1	2857	19	1
17	5544	1	1164	46	1
18	5527	1	2595	21	1
19	5531	1	1610	33	1
20	5543	1	2035	26	1
21	5557	1	2381	23	1
22	5544	1	1866	29	1
23	5545	1	1814	30	1
24	5529	1	2714	20	0
25	5516	1	655	81	1
26	5537	1	1312	41	1
27	5515	1	2926	19	1
28	5495	1	1095	49	1



29	5493	1	1700	31	1
30	5569	1	553	96	1
Detection Percentage (%)					96.7%



Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5491	2.9	193	27	1
2	5536	3.6	190	26	1
3	5549	1.1	154	24	0
4	5526	2.2	195	24	1
5	5507	2.3	186	24	1
6	5507	1	211	24	1
7	5505	1.1	179	28	0
8	5532	4.5	229	24	1
9	5538	4.2	202	26	1
10	5548	1.9	205	23	1
11	5555	3.6	182	26	0
12	5568	3.7	166	26	1
13	5530	4.1	203	25	1
14	5550	4.1	193	24	1
15	5530	3.9	177	28	1
16	5546	2.4	185	25	0
17	5531	4.4	179	24	0
18	5553	1.1	191	28	1
19	5491	2	217	27	1
20	5535	4.9	173	24	0
21	5505	4.4	156	28	1
22	5500	1	169	27	1
23	5558	2.1	197	27	1
24	5521	2.4	154	23	1
25	5501	2.6	155	24	1
26	5537	3.3	196	26	1
27	5553	1.9	181	25	1
28	5569	1.1	191	24	1
29	5494	4.6	207	26	1
30	5569	1	214	28	0
Detection Percentage (%)					76.7%



Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5491	6.8	279	17	1
2	5505	8.8	475	17	1
3	5555	6.8	212	18	0
4	5530	7.5	416	18	1
5	5506	6	460	17	1
6	5513	9.1	425	16	1
7	5502	6.9	269	18	0
8	5535	7	205	16	1
9	5540	6.6	384	16	1
10	5556	10	242	18	0
11	5506	8.1	296	16	1
12	5555	9	266	17	1
13	5530	8.1	237	17	1
14	5569	7.6	278	16	1
15	5550	9.1	267	18	1
16	5569	9.6	496	17	1
17	5554	9.2	205	17	1
18	5521	9.2	350	17	1
19	5508	10	376	18	1
20	5533	8.1	284	16	0
21	5515	8.6	383	17	1
22	5530	6.2	328	17	1
23	5515	7.8	499	17	1
24	5520	8.1	268	18	1
25	5551	6.3	459	16	0
26	5544	8.9	484	17	1
27	5512	7.1	300	17	1
28	5497	8.5	288	16	1
29	5491	6.7	244	16	1
30	5569	9.1	430	16	0
Detection Percentage (%)					80.0%



Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5491	18.9	286	16	1
2	5503	16.9	456	15	1
3	5521	15.9	369	13	0
4	5559	11.7	293	16	1
5	5524	18.5	263	15	0
6	5494	18.8	229	14	1
7	5538	15.1	239	14	1
8	5539	15	458	16	1
9	5524	19	314	13	1
10	5556	15.3	274	13	1
11	5542	18	330	15	1
12	5530	11.6	328	14	1
13	5504	17.8	245	14	0
14	5556	19.3	427	16	1
15	5529	18.6	217	16	1
16	5558	18.5	447	14	1
17	5567	16.4	203	12	1
18	5517	16.3	500	12	1
19	5530	13.8	443	15	1
20	5542	16.8	320	12	1
21	5494	19.3	370	14	0
22	5545	15.6	461	14	1
23	5565	17.3	376	14	1
24	5529	19.2	500	14	1
25	5568	11.4	403	15	1
26	5528	12.9	306	13	1
27	5530	15.4	202	15	1
28	5498	11.2	349	12	1
29	5519	12.2	336	13	1
30	5569	19.1	313	13	1
Detection Percentage (%)					86.7%

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test

waveforms is as follows: $\frac{P_d1 + P_d2 + P_d3 + P_d4}{4} = (96.7\% + 76.7\% + 80.0\% + 86.7\%) / 4 = 85.0\% (>80\%)$



Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5500	0	16	5493.8	1
2	5500	1	17	5496.2	1
3	5500	1	18	5495	1
4	5500	1	19	5496.2	1
5	5500	1	20	5496.6	1
6	5500	1	21	5565.4	1
7	5500	1	22	5564.2	1
8	5500	1	23	5565.8	1
9	5500	1	24	5562.2	1
10	5500	1	25	5562.6	1
11	5498.2	1	26	5561.8	1
12	5498.2	1	27	5561.8	1
13	5499	1	28	5563.8	1
14	5494.2	1	29	5566.2	1
15	5495	1	30	5564.6	1
Detection Percentage (%)					96.7%

Type 5 Radar Waveform_1						
Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	99	17	1404		262.993
2	2	70.5	17	1543		39.84
3	2	57.7	17	1453		301.9
4	3	90.3	17	1320	1813	1209.92
5	2	94.3	17	1765		1056.38
6	2	86.7	17	1283		914.31
7	2	93.6	17	1962		97.41
8	1	77.2	17			1379.3

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	85	14	1101	1613	216.089
2	3	92.1	14	1394	1758	225.832
3	2	95.5	14	1981		147.505
4	2	72.1	14	1789		534.473
5	1	79.9	14			179.531
6	1	87.3	14			590.388
7	2	73.9	14	1097		589.926
8	1	56.2	14			423.024
9	3	71.2	14	1127	1583	341.121
10	2	75.1	14	1091		160.439
11	1	94.1	14			173.496
12	2	71.9	14	1137		57.494
13	2	86.6	14	1001		201.142
14	2	56.8	14	1115		430.049
15	2	86.9	14	1787		22.867
16	2	92.2	14	1515		659.365
17	2	87.3	14	1111		373.282

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	56	16			337.325
2	2	89.5	16	1709		578.66
3	2	55.6	16	1550		555.46
4	2	97.9	16	1815		89.18
5	2	70.6	16	1519		361.12
6	1	84.3	16			369.33
7	2	65.1	16	1100		272.28
8	1	80.1	16			97.69
9	2	67.6	16	1174		243.61
10	2	50.6	16	1821		424.62
11	3	77	16	1027	1331	572.82
12	2	81	16	1036		24.24
13	2	66	16	1425		196.46
14	2	79.3	16	1567		552.66
15	3	72.6	16	1829	1598	440.06
16	3	90.4	16	1650	1241	175.47
17	3	68.5	16	1415	1892	435.2
18	3	83.9	16	1732	1976	543.3
19	2	80.5	16	1854		530.6
20	2	58.7	16	1440		114.8

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	83.6	10			40.941
2	3	90.5	10	1526	1051	22.456
3	2	74.2	10	1037		377.27
4	2	88.8	10	1525		521.76
5	3	86	10	1522	1996	540.29
6	1	74.5	10			184.33
7	1	94.2	10			457.58
8	1	92.5	10			453.29
9	2	84.3	10	1295		313.71
10	1	88.3	10			16.76
11	2	98.5	10	1022		438.34
12	1	95.9	10			417.56
13	3	65	10	1492	1904	145.61
14	2	84.3	10	1853		132.68
15	1	77.4	10			368.74
16	2	95	10	1852		253.64
17	3	54.8	10	1909	1761	10.36
18	2	56.2	10	1145		367.6
19	2	88	10	1727		430.7
20	3	62.3	10	1369	1217	483.7

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	64.3	14	1069		432.316
2	1	68	14			535.003
3	2	94.8	14	1220		141.437
4	1	73.4	14			104.21
5	2	83	14	1032		508.953
6	2	53.4	14	1799		443.717
7	2	53.7	14	1813		15.2
8	3	73.5	14	1403	1747	252.033
9	3	63.8	14	1306	1363	388.407
10	2	77.9	14	1139		25.77
11	1	82.5	14			236.193
12	3	69.3	14	1783	1152	239.377
13	2	67.6	14	1486		54.92
14	3	97.4	14	1290	1758	64.913
15	2	78.3	14	1669		61.397
16	2	77	14	1498		214.6
17	3	91.5	14	1682	1078	520.733
18	2	90.8	14	1240		82.067

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	3	51.9	14	1662	1419	897.181
2	2	60.9	14	1850		728.95
3	2	82.5	14	1665		296.6
4	1	76.6	14			456.56
5	1	63.3	14			370.75
6	2	56.3	14	1774		868.45
7	1	87.5	14			257.48
8	3	74.6	14	1730	1604	521.99
9	3	56.2	14	1655	1489	134.48
10	1	78.6	14			681.38
11	2	70.9	14	1848		263.3
12	1	95.5	14			692.2

Type 5 Radar Waveform_7

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	72.3	16	1586	1986	0.794
2	1	87.9	16			55.85
3	2	81.4	16	1169		66.157
4	2	63.9	16	1223		32.38
5	3	99.5	16	1271	1317	635.543
6	1	60.9	16			439.497
7	2	60.7	16	1353		230.33
8	3	53.8	16	1612	1307	8.793
9	2	57.5	16	1379		530.887
10	2	60.4	16	1198		547.38
11	2	88	16	1652		344.983
12	1	82	16			241.137
13	1	57.9	16			176.27
14	1	91.2	16			288.603
15	1	95.1	16			440.617
16	2	51.6	16	1172		427.1
17	3	97.8	16	1774	1546	220.433
18	3	74.2	16	1656	1823	79.767

Type 5 Radar Waveform_8

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	59.9	18			469.127
2	2	98.2	18	1455		392.438
3	2	63.5	18	1308		62.225
4	2	91.4	18	1435		384.803
5	2	64.4	18	1149		473.251
6	2	83.7	18	1368		84.228
7	1	61.9	18			691.096
8	3	73.1	18	1296	1831	100.094
9	2	52.5	18	1055		597.071
10	2	86.1	18	1016		523.399
11	2	59.8	18	1926		417.136
12	1	95.9	18			203.684
13	2	55.4	18	1992		264.632
14	2	59.9	18	1247		83.299
15	2	75.2	18	1353		118.447
16	3	60.2	18	1043	1659	580.165
17	2	64.6	18	1022		11.182

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	62.2	18	1223	1006	515.969
2	3	78.3	18	1629	1841	384.73
3	2	84.9	18	1060		416.58
4	1	100	18			625.65
5	2	97.8	18	1513		561.58
6	2	93.1	18	1418		164.38
7	3	80.9	18	1357	1212	164.65
8	2	60.5	18	1059		214.11
9	3	72.6	18	1405	1875	381.25
10	2	77.2	18	1167		546.51
11	2	82	18	1265		779.78
12	2	92.2	18	1806		456.86
13	1	59.3	18			490.4
14	2	79.6	18	1067		141.1
15	2	95.3	18	1534		153.6

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	88	15	1131	1769	320.697
2	2	67.2	15	1619		739.55
3	2	82.9	15	1660		657.76
4	1	72.5	15			106.21
5	2	66.5	15	1355		344.55
6	2	59.7	15	1379		637.42
7	3	98	15	1018	1317	376.33
8	2	71	15	1765		1122.73
9	1	73	15			745.7
10	1	53.8	15			1153.8

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	1	60.3	18			406.798
2	2	92.5	18	1685		412.24
3	1	60.7	18			63.53
4	3	60.6	18	1523	1879	127.49
5	1	86.2	18			271.46
6	3	71.8	18	1709	1898	476.62
7	3	51.2	18	1757	1530	95.81
8	2	93.7	18	1841		908.16
9	3	68	18	1851	1652	246.03
10	3	72	18	1551	1517	319.56
11	2	96.1	18	1276		916.7
12	3	52.1	18	1483	1309	862.7

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	58.1	18	1738		546.256
2	2	91.2	18	1119		431.443
3	1	97.7	18			242.496
4	2	67.3	18	1691		494.009
5	2	51.6	18	1017		606.442
6	1	96.1	18			628.115
7	2	98.8	18	1134		372.088
8	3	62.6	18	1254	1643	630.442
9	3	59.9	18	1743	1722	625.085
10	3	56.4	18	1328	1721	556.878
11	2	68.8	18	1735		615.901
12	2	99.5	18	1177		62.854
13	2	71	18	1003		614.277

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	59	20	1543		482.581
2	2	73.6	20	1268		222.537
3	2	89.2	20	1160		1259.683
4	1	62.9	20			315.15
5	3	79	20	1723	1628	878.617
6	1	97.4	20			60.243
7	2	98.7	20	1316		629.21
8	1	54.3	20			417.377
9	2	51.9	20	1385		1305.033

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	67.2	8	1005		344.343
2	1	79.3	8			547.618
3	2	53.7	8	1131		38.425
4	2	81.7	8	1766		173.643
5	1	60.9	8			151.941
6	2	73.7	8	1794		345.658
7	2	50.3	8	1544		373.536
8	2	94.8	8	1316		310.084
9	3	75.3	8	1514	1400	608.161
10	3	87.8	8	1530	1670	476.469
11	2	70.1	8	1925		171.306
12	2	52.6	8	1205		608.364
13	3	75.7	8	1340	1200	410.562
14	2	64.2	8	1378		19.029
15	1	92.7	8			521.147
16	2	78.6	8	1455		286.465
17	2	55.5	8	1055		692.182

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	89.9	10	1064	1282	199.455
2	3	56.6	10	1741	1066	218.53
3	1	88.3	10			19.15
4	2	67	10	1998		759.16
5	1	96.4	10			758.98
6	2	57.7	10	1632		352.57
7	2	64.1	10	1897		602.86
8	1	63.5	10			769.42
9	1	80.6	10			760.77
10	2	58.9	10	1375		755.68
11	2	52.8	10	1644		467.47
12	2	66.3	10	1850		387.2
13	3	74.6	10	1388	1733	489.7
14	2	86.8	10	1397		359.6
15	2	92.4	10	1453		186.8

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	93.1	7	1754		72.319
2	3	61.2	7	1494	1626	130.184
3	1	88.2	7			225.477
4	2	87.5	7	1072		420.63
5	2	84.8	7	1710		658.533
6	1	77.3	7			600.507
7	2	58.6	7	1431		194.96
8	3	70.1	7	1989	1235	51.393
9	3	61.3	7	1968	1499	403.367
10	1	70.7	7			599.72
11	2	63.5	7	1293		409.733
12	3	82.6	7	1773	1053	392.627
13	2	88.3	7	1587		283.95
14	1	81.8	7			648.973
15	2	82.4	7	1988		116.087
16	2	79.8	7	1760		443.8
17	2	60.6	7	1767		381.533
18	1	70.6	7			441.367

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	80.6	13	1095		221.583
2	1	88.8	13			244.905
3	3	95	13	1160	1741	4.557
4	2	70.5	13	1492		3.41
5	2	88.3	13	1252		75.093
6	2	67.4	13	1521		551.227
7	2	76.5	13	1001		210.33
8	2	74	13	1568		459.063
9	1	99.8	13			325.697
10	2	93.3	13	1408		452.04
11	3	86.1	13	1728	1389	324.653
12	2	57.6	13	1616		133.267
13	2	67.9	13	1791		203.78
14	3	61.2	13	1078	1548	324.653
15	1	73.7	13			642.437
16	2	89	13	1378		64.2
17	1	54	13			40.633
18	3	96.7	13	1881	1994	344.367

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	98	10	1221	1495	804.087
2	2	87.6	10	1907		923.22
3	3	88.4	10	1491	1766	272.65
4	2	67.7	10	1214		73.06
5	2	58.1	10	1939		793.67
6	3	84.6	10	1275	1457	613.59
7	3	74.2	10	1701	1920	914.94
8	3	54	10	1402	1985	665.97
9	3	89	10	1553	1992	163.81
10	1	75.1	10			540.48
11	3	68.6	10	1539	1740	401.7
12	3	57.4	10	1359	1659	966.8

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	75.9	13	1284		956.356
2	2	94.2	13	1302		334.76
3	2	80.1	13	1603		926.85
4	3	55.7	13	1774	1590	472.62
5	2	87.1	13	1280		329.86
6	2	82.2	13	1016		676.73
7	2	73.6	13	1869		319.16
8	2	57.2	13	1918		519.93
9	2	52.4	13	1862		140.93
10	2	69.2	13	1791		27.75
11	2	86.6	13	1389		224.1
12	1	68.8	13			942.7

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	1	93	14			516.965
2	2	59.4	14	1987		526.367
3	3	65.9	14	1793	1424	577.594
4	2	88.7	14	1599		551.671
5	3	86	14	1680	1414	78.919
6	2	65.8	14	1046		749.146
7	1	54.6	14			82.633
8	3	87.9	14	1076	1010	683.55
9	1	56.7	14			174.687
10	1	85.4	14			136.854
11	2	95.4	14	1631		240.861
12	2	83.2	14	1219		28.079
13	2	56.4	14	1492		294.286
14	3	61.1	14	1366	1287	81.343

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	99.5	9	1088	1060	565.324
2	2	62.9	9	1910		290.043
3	3	74.9	9	1781	1830	152.297
4	3	78.9	9	1163	1321	274.66
5	1	88	9			16.303
6	3	56.1	9	1763	1564	94.247
7	3	85.6	9	1099	1566	318.53
8	3	87.4	9	1330	1100	23.003
9	3	83.6	9	1120	1426	42.647
10	2	92.6	9	1953		35.66
11	3	60.9	9	1830	1240	0.213
12	1	73.3	9			420.947
13	2	54.7	9	1482		279.22
14	3	51.4	9	1050	1465	253.453
15	1	71.1	9			619.927
16	2	89.7	9	1053		611.2
17	3	77.8	9	1696	1554	308.533
18	3	67.4	9	1603	1304	4.267

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	55.5	12	1542	1780	639.886
2	3	71.9	12	1198	1591	620.233
3	1	50.3	12			718.106
4	1	52.2	12			40.409
5	1	74.8	12			852.142
6	1	96.3	12			837.725
7	2	99.9	12	1166		631.638
8	2	66.8	12	1174		166.452
9	2	80.6	12	1020		775.405
10	2	67.2	12	1807		865.348
11	2	96.5	12	1153		809.031
12	2	59.3	12	1647		714.154
13	2	90.2	12	1757		538.477

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	80.6	8	1342		616.456
2	2	85.8	8	1477		111.171
3	2	68.6	8	1154		615.242
4	2	83.9	8	1648		322.823
5	1	92.9	8			136.834
6	2	87	8	1731		174.355
7	2	97.4	8	1064		1005.845
8	1	51	8			51.496
9	2	70.6	8	1128		521.647
10	1	55.8	8			711.518
11	1	50.8	8			736.209

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	85.9	17	1203		843.559
2	2	85.9	17	1576		622.657
3	2	97.8	17	1981		672.584
4	3	59.7	17	1964	1046	35.961
5	1	63.7	17			752.099
6	2	78.2	17	1093		528.216
7	2	50.1	17	1203		152.093
8	3	92.8	17	1785	1275	211.47
9	1	55.5	17			148.707
10	1	94.1	17			191.124
11	1	99.4	17			43.521
12	2	98.4	17	1139		539.379
13	1	72.3	17			39.486
14	2	81.5	17	1232		728.143

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	68.4	16			87.864
2	3	79.3	16	1965	1169	133.97
3	2	90.7	16	1256		632.01
4	1	57.5	16			762.36
5	2	57.4	16	1162		903.26
6	1	85.2	16			313.97
7	1	66.8	16			682.51
8	3	67.2	16	1568	1686	636.6
9	2	73.5	16	1604		828.5
10	2	91.9	16	1317		189.7

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	3	60.3	18	1138	1070	323.421
2	2	95.3	18	1436		15.695
3	3	93.9	18	1167	1174	62.35
4	2	90.6	18	1278		286.7
5	1	56	18			90.71
6	1	58.6	18			377.62
7	3	78.9	18	1313	1643	299.8
8	1	95.4	18			356
9	2	79.9	18	1296		524.35
10	3	78.2	18	1052	1570	377.61
11	2	83.5	18	1270		202.09
12	3	87	18	1825	1241	145.31
13	1	88.6	18			295.3
14	3	57	18	1082	1410	353.95
15	2	84.2	18	1566		164.42
16	1	75.2	18			17.46
17	2	84.2	18	1944		144.58
18	2	82.5	18	1220		510.9
19	1	94.9	18			188.3
20	2	90	18	1653		374.8

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	2	95	18	1740		575.207
2	3	54.4	18	1469	1938	161.261
3	1	93.1	18			73.62
4	2	55.1	18	1664		531.54
5	2	75.6	18	1618		718.33
6	1	90.1	18			166.48
7	3	81.2	18	1954	1271	664.52
8	1	55.8	18			707.25
9	2	50.4	18	1407		662.88
10	1	96.9	18			158.49
11	2	57.8	18	1959		607.1
12	2	95.9	18	1487		623.42
13	2	57.2	18	1087		564.83
14	1	72.5	18			466.1
15	3	68.9	18	1126	1092	703.1
16	3	95.3	18	1160	1948	531.8

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	1	77.6	13			372.185
2	2	95.1	13	1868		493.891
3	2	59.2	13	1730		930.822
4	2	64.9	13	1878		199.423
5	2	77.5	13	1015		1040.334
6	2	98.8	13	1581		499.955
7	2	80.8	13	1030		368.625
8	1	72.8	13			1061.206
9	1	53.6	13			717.267
10	3	50.9	13	1180	1530	559.318
11	2	86.3	13	1199		650.409

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	53.3	7			206.577
2	2	68.5	7	1449		630.713
3	2	85.9	7	1186		311.387
4	3	97.2	7	1648	1954	500.05
5	1	82.4	7			312.703
6	1	80.6	7			391.787
7	2	72.7	7	1441		433.77
8	1	51.6	7			71.573
9	2	92.5	7	1397		650.207
10	2	85	7	1439		109.48
11	2	99.9	7	1039		304.013
12	2	61.2	7	1947		313.717
13	2	89.4	7	1302		642.22
14	1	64.5	7			581.783
15	3	73.8	7	1285	1559	265.987
16	1	59.1	7			555.1
17	3	85.1	7	1946	1911	131.833
18	1	59	7			365.767

Type 5 Radar Waveform_30

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	92.7	11	1042		437.097
2	3	80.6	11	1063	1123	839.97
3	2	85.1	11	1620		359.21
4	2	91	11	1413		795.71
5	2	59.4	11	1095		370.01
6	2	90.6	11	1623		907.36
7	3	89.9	11	1524	1952	248.11
8	3	70.7	11	1595	1399	84.01
9	1	80.9	11			767.7
10	2	65.7	11	1166		1113.7

Radar Type 6 - Radar Statistical Performance

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

Type 6 Radar Waveform_1				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.567	80	*
10	5.53	5.5	80	*
17	5.53	5.503	80	*
21	5.53	5.496	80	*
25	5.53	5.537	80	*
30	5.53	5.504	80	*
33	5.53	5.535	80	*
46	5.53	5.555	80	*
50	5.53	5.53	80	*
54	5.53	5.545	80	*
61	5.53	5.512	80	*
63	5.53	5.552	80	*
74	5.53	5.559	80	*
78	5.53	5.524	80	*
99	5.53	5.566	80	*

Type 6 Radar Waveform_2

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.53	5.535	80	*
32	5.53	5.511	80	*
34	5.53	5.49	80	*
38	5.53	5.525	80	*
42	5.53	5.498	80	*
43	5.53	5.568	80	*
47	5.53	5.561	80	*
48	5.53	5.524	80	*
67	5.53	5.569	80	*
68	5.53	5.515	80	*
80	5.53	5.564	80	*
83	5.53	5.555	80	*
91	5.53	5.508	80	*

Type 6 Radar Waveform_3

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.491	80	*
6	5.53	5.505	80	*
15	5.53	5.543	80	*
16	5.53	5.538	80	*
26	5.53	5.501	80	*
27	5.53	5.555	80	*
28	5.53	5.517	80	*
33	5.53	5.557	80	*
36	5.53	5.525	80	*
38	5.53	5.535	80	*
39	5.53	5.57	80	*
40	5.53	5.503	80	*
41	5.53	5.565	80	*
44	5.53	5.526	80	*
46	5.53	5.518	80	*
54	5.53	5.52	80	*
73	5.53	5.549	80	*
78	5.53	5.53	80	*
82	5.53	5.554	80	*
90	5.53	5.512	80	*
91	5.53	5.546	80	*
92	5.53	5.502	80	*
100	5.53	5.534	80	*

Type 6 Radar Waveform_4

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.53	5.537	80	*
6	5.53	5.522	80	*
13	5.53	5.54	80	*
18	5.53	5.5	80	*
19	5.53	5.539	80	*
23	5.53	5.521	80	*
24	5.53	5.515	80	*
25	5.53	5.498	80	*
32	5.53	5.567	80	*
37	5.53	5.517	80	*
46	5.53	5.557	80	*
49	5.53	5.506	80	*
54	5.53	5.534	80	*
63	5.53	5.525	80	*
70	5.53	5.543	80	*
74	5.53	5.519	80	*
77	5.53	5.555	80	*
78	5.53	5.544	80	*
80	5.53	5.528	80	*
81	5.53	5.564	80	*
91	5.53	5.495	80	*
92	5.53	5.565	80	*

Type 6 Radar Waveform_5

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
9	5.53	5.534	80	*
13	5.53	5.514	80	*
14	5.53	5.496	80	*
24	5.53	5.519	80	*
29	5.53	5.556	80	*
33	5.53	5.506	80	*
38	5.53	5.491	80	*
42	5.53	5.553	80	*
44	5.53	5.554	80	*
50	5.53	5.566	80	*
61	5.53	5.569	80	*
68	5.53	5.501	80	*
77	5.53	5.503	80	*
84	5.53	5.543	80	*
86	5.53	5.562	80	*
89	5.53	5.558	80	*
91	5.53	5.56	80	*
98	5.53	5.499	80	*

Type 6 Radar Waveform_6				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.53	5.507	80	*
9	5.53	5.523	80	*
13	5.53	5.562	80	*
20	5.53	5.565	80	*
35	5.53	5.522	80	*
36	5.53	5.51	80	*
37	5.53	5.521	80	*
38	5.53	5.52	80	*
40	5.53	5.509	80	*
41	5.53	5.508	80	*
44	5.53	5.495	80	*
47	5.53	5.55	80	*
54	5.53	5.558	80	*
59	5.53	5.549	80	*
60	5.53	5.514	80	*
72	5.53	5.552	80	*
88	5.53	5.5	80	*
89	5.53	5.561	80	*
92	5.53	5.529	80	*
93	5.53	5.505	80	*
96	5.53	5.57	80	*
100	5.53	5.533	80	*

Type 6 Radar Waveform_7				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.53	5.558	80	*
4	5.53	5.532	80	*
6	5.53	5.563	80	*
13	5.53	5.531	80	*
18	5.53	5.525	80	*
27	5.53	5.519	80	*
34	5.53	5.557	80	*
35	5.53	5.537	80	*
40	5.53	5.511	80	*
61	5.53	5.516	80	*
63	5.53	5.515	80	*
71	5.53	5.5	80	*
75	5.53	5.53	80	*
85	5.53	5.509	80	*
93	5.53	5.549	80	*

Type 6 Radar Waveform_8				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
16	5.53	5.549	80	*
20	5.53	5.496	80	*
30	5.53	5.493	80	*
43	5.53	5.494	80	*
49	5.53	5.563	80	*
56	5.53	5.518	80	*
57	5.53	5.547	80	*
59	5.53	5.532	80	*
81	5.53	5.502	80	*
97	5.53	5.53	80	*
98	5.53	5.536	80	*
99	5.53	5.538	80	*

Type 6 Radar Waveform_9				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.53	5.513	80	*
8	5.53	5.537	80	*
40	5.53	5.535	80	*
51	5.53	5.49	80	*
55	5.53	5.561	80	*
59	5.53	5.522	80	*
64	5.53	5.523	80	*
70	5.53	5.511	80	*
75	5.53	5.528	80	*
79	5.53	5.557	80	*
88	5.53	5.565	80	*
93	5.53	5.564	80	*

Type 6 Radar Waveform_10				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.53	5.524	80	*
4	5.53	5.504	80	*
22	5.53	5.56	80	*
25	5.53	5.523	80	*
46	5.53	5.493	80	*
52	5.53	5.53	80	*
61	5.53	5.491	80	*
73	5.53	5.554	80	*
77	5.53	5.516	80	*

Type 6 Radar Waveform_11

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.546	80	*
23	5.53	5.505	80	*
24	5.53	5.527	80	*
27	5.53	5.556	80	*
39	5.53	5.548	80	*
40	5.53	5.55	80	*
47	5.53	5.551	80	*
50	5.53	5.561	80	*
54	5.53	5.564	80	*
73	5.53	5.518	80	*
76	5.53	5.521	80	*
88	5.53	5.547	80	*
90	5.53	5.496	80	*
96	5.53	5.558	80	*
97	5.53	5.509	80	*
100	5.53	5.494	80	*

Type 6 Radar Waveform_12

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.505	80	*
4	5.53	5.549	80	*
10	5.53	5.491	80	*
11	5.53	5.562	80	*
19	5.53	5.498	80	*
22	5.53	5.548	80	*
42	5.53	5.554	80	*
49	5.53	5.53	80	*
50	5.53	5.568	80	*
51	5.53	5.551	80	*
57	5.53	5.495	80	*
58	5.53	5.499	80	*
61	5.53	5.527	80	*
65	5.53	5.523	80	*
66	5.53	5.543	80	*
85	5.53	5.552	80	*
89	5.53	5.515	80	*
93	5.53	5.566	80	*
95	5.53	5.492	80	*

Type 6 Radar Waveform_13

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.53	5.566	80	*
6	5.53	5.501	80	*
10	5.53	5.56	80	*
13	5.53	5.563	80	*
14	5.53	5.493	80	*
16	5.53	5.5	80	*
19	5.53	5.514	80	*
20	5.53	5.499	80	*
25	5.53	5.57	80	*
36	5.53	5.497	80	*
41	5.53	5.512	80	*
45	5.53	5.505	80	*
49	5.53	5.557	80	*
54	5.53	5.515	80	*
56	5.53	5.504	80	*
61	5.53	5.521	80	*
69	5.53	5.561	80	*
70	5.53	5.519	80	*
77	5.53	5.494	80	*
81	5.53	5.538	80	*
82	5.53	5.506	80	*
86	5.53	5.51	80	*
87	5.53	5.551	80	*
88	5.53	5.559	80	*
92	5.53	5.544	80	*
93	5.53	5.565	80	*
94	5.53	5.496	80	*
98	5.53	5.569	80	*
99	5.53	5.546	80	*
100	5.53	5.54	80	*

Type 6 Radar Waveform_14

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.53	5.533	80	*
6	5.53	5.512	80	*
11	5.53	5.509	80	*
15	5.53	5.548	80	*
20	5.53	5.558	80	*
29	5.53	5.498	80	*
30	5.53	5.544	80	*
56	5.53	5.518	80	*
60	5.53	5.555	80	*
73	5.53	5.525	80	*
78	5.53	5.565	80	*
89	5.53	5.519	80	*
96	5.53	5.511	80	*

Type 6 Radar Waveform_15

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.53	5.554	80	*
3	5.53	5.555	80	*
4	5.53	5.492	80	*
17	5.53	5.545	80	*
19	5.53	5.556	80	*
25	5.53	5.491	80	*
32	5.53	5.538	80	*
38	5.53	5.55	80	*
40	5.53	5.493	80	*
58	5.53	5.499	80	*
67	5.53	5.564	80	*
80	5.53	5.503	80	*
82	5.53	5.569	80	*
86	5.53	5.512	80	*

Type 6 Radar Waveform_16

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
9	5.53	5.54	80	*
13	5.53	5.512	80	*
15	5.53	5.554	80	*
21	5.53	5.507	80	*
32	5.53	5.513	80	*
52	5.53	5.53	80	*
60	5.53	5.541	80	*
62	5.53	5.509	80	*
64	5.53	5.544	80	*
80	5.53	5.535	80	*
82	5.53	5.551	80	*
92	5.53	5.552	80	*
93	5.53	5.536	80	*

Type 6 Radar Waveform_17

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.53	5.563	80	*
5	5.53	5.54	80	*
10	5.53	5.554	80	*
15	5.53	5.51	80	*
22	5.53	5.567	80	*
28	5.53	5.553	80	*
30	5.53	5.535	80	*
37	5.53	5.536	80	*
41	5.53	5.561	80	*
46	5.53	5.534	80	*
65	5.53	5.545	80	*
81	5.53	5.491	80	*
82	5.53	5.505	80	*
94	5.53	5.508	80	*

Type 6 Radar Waveform_18

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.53	5.53	80	*
11	5.53	5.562	80	*
17	5.53	5.527	80	*
26	5.53	5.558	80	*
31	5.53	5.496	80	*
44	5.53	5.525	80	*
54	5.53	5.565	80	*
62	5.53	5.499	80	*
69	5.53	5.566	80	*
78	5.53	5.56	80	*
79	5.53	5.517	80	*
80	5.53	5.52	80	*
86	5.53	5.513	80	*
89	5.53	5.5	80	*
97	5.53	5.494	80	*
98	5.53	5.55	80	*

Type 6 Radar Waveform_19

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
10	5.53	5.508	80	*
11	5.53	5.5	80	*
13	5.53	5.526	80	*
19	5.53	5.548	80	*
21	5.53	5.495	80	*
22	5.53	5.528	80	*
25	5.53	5.506	80	*
30	5.53	5.553	80	*
33	5.53	5.551	80	*
62	5.53	5.498	80	*
71	5.53	5.543	80	*
76	5.53	5.563	80	*
83	5.53	5.529	80	*
86	5.53	5.527	80	*
87	5.53	5.53	80	*
91	5.53	5.507	80	*

Type 6 Radar Waveform_20

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
14	5.53	5.505	80	*
20	5.53	5.554	80	*
30	5.53	5.493	80	*
34	5.53	5.524	80	*
42	5.53	5.491	80	*
43	5.53	5.523	80	*
52	5.53	5.499	80	*
55	5.53	5.542	80	*
60	5.53	5.529	80	*
65	5.53	5.519	80	*
67	5.53	5.53	80	*
70	5.53	5.539	80	*
98	5.53	5.557	80	*
99	5.53	5.533	80	*

Type 6 Radar Waveform_21

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
8	5.53	5.562	80	*
10	5.53	5.49	80	*
12	5.53	5.528	80	*
18	5.53	5.499	80	*
20	5.53	5.546	80	*
21	5.53	5.503	80	*
25	5.53	5.493	80	*
32	5.53	5.549	80	*
33	5.53	5.531	80	*
40	5.53	5.569	80	*
48	5.53	5.505	80	*
49	5.53	5.564	80	*
57	5.53	5.509	80	*
67	5.53	5.539	80	*
70	5.53	5.506	80	*
78	5.53	5.519	80	*
79	5.53	5.536	80	*
93	5.53	5.491	80	*

Type 6 Radar Waveform_22

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.53	5.537	80	*
6	5.53	5.563	80	*
10	5.53	5.557	80	*
15	5.53	5.531	80	*
26	5.53	5.543	80	*
28	5.53	5.518	80	*
32	5.53	5.544	80	*
33	5.53	5.521	80	*
39	5.53	5.49	80	*
41	5.53	5.549	80	*
51	5.53	5.501	80	*
55	5.53	5.564	80	*
57	5.53	5.498	80	*
58	5.53	5.53	80	*
60	5.53	5.552	80	*
62	5.53	5.523	80	*
71	5.53	5.495	80	*
73	5.53	5.513	80	*
78	5.53	5.519	80	*
79	5.53	5.554	80	*
89	5.53	5.527	80	*
92	5.53	5.558	80	*
95	5.53	5.566	80	*
96	5.53	5.55	80	*
100	5.53	5.548	80	*

Type 6 Radar Waveform_23

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.53	5.548	80	*
15	5.53	5.558	80	*
19	5.53	5.525	80	*
22	5.53	5.528	80	*
35	5.53	5.49	80	*
39	5.53	5.559	80	*
41	5.53	5.563	80	*
57	5.53	5.512	80	*
65	5.53	5.568	80	*
80	5.53	5.547	80	*

Type 6 Radar Waveform_24

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
18	5.53	5.556	80	*
19	5.53	5.545	80	*
20	5.53	5.507	80	*
37	5.53	5.555	80	*
44	5.53	5.569	80	*
47	5.53	5.531	80	*
48	5.53	5.547	80	*
51	5.53	5.5	80	*
55	5.53	5.509	80	*
60	5.53	5.495	80	*
68	5.53	5.54	80	*
77	5.53	5.546	80	*
82	5.53	5.528	80	*
89	5.53	5.502	80	*
91	5.53	5.512	80	*
99	5.53	5.561	80	*

Type 6 Radar Waveform_25

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.53	5.523	80	*
9	5.53	5.568	80	*
10	5.53	5.549	80	*
12	5.53	5.501	80	*
20	5.53	5.544	80	*
21	5.53	5.532	80	*
24	5.53	5.536	80	*
28	5.53	5.558	80	*
31	5.53	5.506	80	*
38	5.53	5.512	80	*
51	5.53	5.503	80	*
60	5.53	5.508	80	*
63	5.53	5.517	80	*
71	5.53	5.494	80	*
74	5.53	5.566	80	*
76	5.53	5.524	80	*
77	5.53	5.552	80	*
86	5.53	5.497	80	*
94	5.53	5.515	80	*
97	5.53	5.541	80	*

Type 6 Radar Waveform_26

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
7	5.53	5.536	80	*
36	5.53	5.54	80	*
50	5.53	5.504	80	*
63	5.53	5.533	80	*
67	5.53	5.535	80	*
70	5.53	5.561	80	*
71	5.53	5.499	80	*
73	5.53	5.51	80	*
77	5.53	5.555	80	*
80	5.53	5.544	80	*
85	5.53	5.501	80	*
89	5.53	5.541	80	*
91	5.53	5.57	80	*
92	5.53	5.495	80	*
96	5.53	5.559	80	*
99	5.53	5.525	80	*
100	5.53	5.566	80	*

Type 6 Radar Waveform_27

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.53	5.493	80	*
4	5.53	5.542	80	*
6	5.53	5.514	80	*
9	5.53	5.568	80	*
11	5.53	5.513	80	*
12	5.53	5.499	80	*
14	5.53	5.519	80	*
20	5.53	5.57	80	*
24	5.53	5.502	80	*
31	5.53	5.49	80	*
43	5.53	5.5	80	*
54	5.53	5.528	80	*
61	5.53	5.512	80	*
62	5.53	5.56	80	*
63	5.53	5.545	80	*
64	5.53	5.541	80	*
77	5.53	5.494	80	*
82	5.53	5.523	80	*
90	5.53	5.53	80	*
95	5.53	5.521	80	*
97	5.53	5.553	80	*

Type 6 Radar Waveform_28

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.53	5.546	80	*
9	5.53	5.527	80	*
16	5.53	5.516	80	*
21	5.53	5.514	80	*
23	5.53	5.53	80	*
24	5.53	5.552	80	*
28	5.53	5.522	80	*
37	5.53	5.568	80	*
48	5.53	5.555	80	*
63	5.53	5.5	80	*
66	5.53	5.509	80	*
72	5.53	5.545	80	*
73	5.53	5.492	80	*
76	5.53	5.507	80	*
77	5.53	5.543	80	*
88	5.53	5.521	80	*
90	5.53	5.554	80	*
96	5.53	5.513	80	*
97	5.53	5.524	80	*

Type 6 Radar Waveform_29

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.53	5.514	80	*
7	5.53	5.545	80	*
11	5.53	5.559	80	*
12	5.53	5.51	80	*
13	5.53	5.532	80	*
14	5.53	5.528	80	*
17	5.53	5.497	80	*
25	5.53	5.52	80	*
26	5.53	5.506	80	*
34	5.53	5.509	80	*
39	5.53	5.501	80	*
41	5.53	5.555	80	*
43	5.53	5.516	80	*
44	5.53	5.54	80	*
49	5.53	5.496	80	*
54	5.53	5.525	80	*
68	5.53	5.55	80	*
71	5.53	5.507	80	*
84	5.53	5.515	80	*
85	5.53	5.505	80	*
100	5.53	5.522	80	*

Type 6 Radar Waveform_30

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.53	5.557	80	*
24	5.53	5.544	80	*
27	5.53	5.517	80	*
28	5.53	5.533	80	*
29	5.53	5.503	80	*
43	5.53	5.528	80	*
46	5.53	5.558	80	*
76	5.53	5.491	80	*
77	5.53	5.543	80	*
88	5.53	5.555	80	*
90	5.53	5.52	80	*
91	5.53	5.54	80	*
96	5.53	5.569	80	*



Product	AXE5400 Tri-Band Wi-Fi 6E Router	Temperature	27°C
Test Engineer	Kevin Ker	Relative Humidity	65%
Test Site	SR2	Test Date	2021/10/16
Test Item	Radar Statistical Performance Check (802.11ax-HE160 mode – 5250MHz)		

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5250	1	738	72	1
2	5322	1	678	78	1
3	5251	1	918	58	1
4	5323	1	578	92	1
5	5291	1	878	61	1
6	5253	1	598	89	1
7	5254	1	618	86	1
8	5299	1	718	74	1
9	5319	1	518	102	1
10	5264	1	778	68	1
11	5311	1	758	70	1
12	5289	1	558	95	1
13	5321	1	798	67	1
14	5319	1	658	81	1
15	5268	1	898	59	1
16	5290	1	1695	32	1
17	5260	1	1820	29	1
18	5300	1	2707	20	0
19	5253	1	574	92	1
20	5275	1	2654	20	1
21	5266	1	2650	20	0
22	5301	1	1158	46	1
23	5326	1	3065	18	0
24	5304	1	950	56	1
25	5260	1	2775	19	1
26	5314	1	2034	26	1
27	5267	1	3018	18	1
28	5303	1	1583	34	1



29	5261	1	2830	19	0
30	5328	1	873	61	1
Detection Percentage (%)					86.7%



Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5250	3	206	26	1
2	5310	3	230	29	0
3	5315	1.6	200	23	1
4	5302	4.9	214	23	1
5	5265	3.3	220	27	1
6	5251	4.5	172	27	1
7	5301	2.9	226	28	1
8	5312	4.4	170	29	0
9	5269	3.6	205	28	1
10	5297	4.7	191	23	1
11	5254	3.7	215	29	1
12	5286	1.4	209	24	1
13	5290	1.9	184	27	1
14	5290	1.8	221	24	1
15	5314	4.4	208	27	1
16	5326	1	160	26	0
17	5273	3.3	199	24	1
18	5324	4.9	183	27	1
19	5309	1.4	174	26	1
20	5287	2.5	154	29	1
21	5281	3.4	151	23	1
22	5304	2.5	225	27	1
23	5264	1.5	227	26	1
24	5279	1.1	162	25	0
25	5263	2.4	152	27	1
26	5296	1.4	227	25	1
27	5328	5	187	28	1
28	5292	3.1	160	24	1
29	5282	3.4	174	25	1
30	5314	1.4	180	25	0
Detection Percentage (%)					83.3%



Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5250	8.1	383	16	1
2	5316	9.7	291	18	0
3	5277	6.9	376	17	1
4	5268	9.3	297	18	1
5	5320	6.1	480	17	1
6	5274	6.4	316	17	1
7	5304	7.2	257	17	1
8	5279	8.7	452	16	1
9	5302	8.3	467	18	0
10	5320	7.6	438	17	1
11	5263	9	286	18	0
12	5252	8.6	267	16	1
13	5322	10	438	17	0
14	5272	7.7	484	18	1
15	5290	7.1	287	17	1
16	5278	8.1	325	16	1
17	5320	7.7	338	17	1
18	5297	6	287	17	1
19	5302	9.2	360	18	1
20	5321	10	388	17	1
21	5271	6.8	339	18	1
22	5308	6.7	365	17	1
23	5254	9.4	390	18	1
24	5324	6	452	16	0
25	5266	9.9	414	17	1
26	5322	6.2	207	17	1
27	5313	7.7	248	18	0
28	5279	8.5	428	16	1
29	5328	7.1	292	17	1
30	5319	7.6	268	16	1
Detection Percentage (%)					80.0%



Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5250	17.1	227	14	1
2	5321	11.8	466	13	0
3	5270	18	440	15	0
4	5265	13	273	14	1
5	5277	16.6	421	15	1
6	5319	12	227	13	1
7	5254	13	490	15	1
8	5274	19.6	207	15	0
9	5327	13.8	440	16	1
10	5278	15.5	340	15	0
11	5290	16.3	383	15	1
12	5317	17.5	336	15	1
13	5291	12	379	15	1
14	5271	13.8	466	15	1
15	5271	12.6	406	15	0
16	5258	19.2	447	12	1
17	5250	18.5	275	15	1
18	5300	18.9	410	12	1
19	5317	13.7	260	13	0
20	5266	18.7	467	16	0
21	5275	16.5	419	15	0
22	5292	16.8	307	13	1
23	5278	12.3	270	13	1
24	5262	12.3	392	15	1
25	5268	16.5	374	15	1
26	5256	16.8	206	13	1
27	5310	11.9	422	12	1
28	5281	13.3	331	15	1
29	5322	15.8	383	14	1
30	5328	13.6	430	16	0
Detection Percentage (%)					70.0%

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test

waveforms is as follows: $\frac{P_d1 + P_d2 + P_d3 + P_d4}{4} = (86.7\% + 83.3\% + 80.0\% + 70.0\%) / 4 = 80.0\% (=80\%)$



Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5500	1	16	5257.2	1
2	5500	1	17	5253.2	1
3	5500	0	18	5252.4	0
4	5500	1	19	5254.4	1
5	5500	1	20	5254	1
6	5500	1	21	5321.2	1
7	5500	1	22	5320.8	1
8	5500	1	23	5324	1
9	5500	1	24	5325.6	1
10	5500	1	25	5320	1
11	5254.8	1	26	5321.6	1
12	5254	0	27	5322	1
13	5258	1	28	5321.6	1
14	5253.2	0	29	5326	1
15	5257.6	1	30	5324.8	1
Detection Percentage (%)					86.7%

Type 5 Radar Waveform_1						
Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	92.6	13	1935		553.868
2	3	61.2	13	1729	1455	581.408
3	3	61.8	13	1077	1934	263.765
4	2	64.6	13	1459		601.703
5	3	68.3	13	1172	1763	384.901
6	1	75.5	13			607.398
7	2	93	13	1289		145.146
8	1	88.8	13			239.064
9	2	78.1	13	1779		198.901
10	2	82.6	13	1527		431.029
11	2	55.5	13	1540		398.546
12	2	57.1	13	1198		150.524
13	2	80	13	1058		188.192
14	1	85	13			201.009
15	2	78.1	13	1189		164.447
16	3	90.1	13	1261	1698	304.165
17	2	84.7	13	1699		164.382

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	59.1	15	1671		278.523
2	3	52.3	15	1210	1794	496.091
3	2	80.7	15	1457		462.192
4	2	92.6	15	1440		336.293
5	2	98.4	15	1312		455.934
6	1	92.1	15			524.145
7	2	61.2	15	1022		478.726
8	2	93.2	15	1884		502.397
9	2	59	15	1958		394.278
10	1	63.1	15			308.019
11	1	98.8	15			21.221
12	2	78.2	15	1879		362.372
13	1	79	15			593.713
14	3	60.4	15	1311	1255	273.934
15	1	61.8	15			373.275
16	2	85.6	15	1970		587.316
17	2	88.8	15	1490		565.537
18	1	87.9	15			261.258
19	3	54.4	15	1760	1246	98.979

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	69.2	16			649.164
2	2	63.7	16	1532		430.823
3	1	88.8	16			151.346
4	2	55.8	16	1674		817.469
5	1	54.8	16			832.652
6	1	96.4	16			140.745
7	2	82.9	16	1504		609.258
8	2	54.2	16	1447		271.632
9	2	74.6	16	1610		510.625
10	2	55.2	16	1166		906.378
11	1	55.3	16			721.091
12	2	98.5	16	1658		157.654
13	2	83.7	16	1311		67.677

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	55.1	16	1437		203.906
2	2	70.9	16	1292		571.66
3	2	68.3	16	1929		425.25
4	2	76.4	16	1728		39.03
5	2	61.1	16	1322		160.09
6	1	64.8	16			29.59
7	3	76.9	16	1894	1604	283
8	2	91.9	16	1961		72.66
9	2	69.6	16	1248		469.51
10	3	87.3	16	1653	1144	419.75
11	2	79.5	16	1774		769.6
12	2	52.6	16	1052		275.78
13	2	56.2	16	1975		234.84
14	3	97	16	1557	1626	425.5
15	2	57.9	16	1320		715.8

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	78.6	9			854.092
2	2	78.6	9	1464		1070.011
3	2	80.8	9	1066		1075.822
4	3	50.4	9	1380	2000	840.683
5	2	73.1	9	1035		667.754
6	2	63.9	9	1937		1033.405
7	1	69.4	9			991.695
8	2	70.5	9	1546		124.196
9	1	86.9	9			494.897
10	2	90.5	9	1258		505.418
11	2	81.6	9	1423		582.109

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	2	96.7	15	1548		446.796
2	3	87.8	15	1297	1514	913.27
3	2	76.9	15	1262		904.84
4	3	78.2	15	1873	1091	54.55
5	2	53.9	15	1767		610.86
6	2	62	15	1683		692.44
7	2	85.7	15	1405		944.14
8	2	53	15	1208		659.37
9	3	54.7	15	1569	1167	522.17
10	3	74.8	15	1042	1041	79.12
11	2	51.8	15	1279		323.7
12	2	93.4	15	1368		797.8

Type 5 Radar Waveform_7

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	65.4	6			717.778
2	2	54.1	6	1290		364.85
3	2	95.8	6	1841		298.3
4	1	93.6	6			439.25
5	2	52.7	6	1303		256.11
6	1	65.6	6			757.96
7	1	66.1	6			294.5
8	1	71.4	6			779.66
9	2	96.7	6	1711		208.7
10	2	71.2	6	1370		376.21
11	3	99.9	6	1164	1316	112.87
12	2	57.5	6	1601		108.34
13	3	79.3	6	1147	1919	739.9
14	1	73.4	6			130.2
15	2	67.6	6	1908		738.1

Type 5 Radar Waveform_8

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	66	16	1980		394.325
2	2	64.5	16	1002		94.447
3	1	74.9	16			628.473
4	2	68.9	16	1006		500.29
5	2	75.2	16	1107		180.947
6	1	84	16			1055.583
7	3	79.6	16	1745	1823	1200.48
8	2	68.2	16	1232		639.057
9	1	71.5	16			310.033

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	88.8	14	1480	1478	546.03
2	2	82.8	14	1168		296.82
3	2	62.3	14	1143		740.83
4	2	56.2	14	1215		233.12
5	2	67	14	1861		302.25
6	2	55.8	14	1791		737.37
7	2	62.3	14	1299		254.53
8	2	88.2	14	1056		692.64
9	2	82.5	14	1796		307.7
10	3	87.2	14	1666	1376	461.16
11	3	78.7	14	1634	1405	283.68
12	2	88.6	14	1134		327.78
13	2	52.8	14	1316		484.55
14	1	83.4	14			658.4
15	3	74.8	14	1332	1717	168.5
16	3	59.2	14	1193	1503	443.1

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	1	78.8	7			463.79
2	3	97.6	7	1989	1837	265.43
3	1	83.6	7			662.78
4	2	92.8	7	1008		127.2
5	2	87	7	1082		650.62
6	2	93.9	7	1154		380.69
7	1	79.9	7			416.49
8	2	53.9	7	1672		671.81
9	1	98.1	7			55.16
10	3	59.5	7	1284	1834	459.58
11	3	59.9	7	1286	1711	690.7
12	1	75.7	7			298.3

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	1	87.4	12			639.169
2	3	50.1	12	1853	1346	199.119
3	2	79.2	12	1811		639.62
4	2	80.6	12	1262		74.14
5	1	74.3	12			704.49
6	1	91.2	12			21.21
7	1	50.8	12			502.61
8	3	98.6	12	1476	1802	690.09
9	1	82.8	12			186.28
10	3	91.1	12	1897	1638	719.37
11	2	52.1	12	1513		473.96
12	2	68.5	12	1766		658.83
13	2	97.1	12	1226		434.21
14	2	80.2	12	1804		125.42
15	1	91.2	12			720.6
16	2	94.6	12	1314		155.7

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	57.5	10	1044		124.355
2	2	68.5	10	1272		229.107
3	2	95.4	10	1219		1179.123
4	3	65.1	10	1699	1930	810.19
5	2	60	10	1998		6.587
6	2	79.5	10	1186		714.723
7	2	69.5	10	1535		947.8
8	1	66.3	10			838.567
9	2	86.5	10	1889		233.733

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	81.9	20	1987		740.891
2	1	53.5	20			454.81
3	3	53.9	20	1012	1610	574.43
4	2	84.3	20	1801		55.35
5	1	71.3	20			426.65
6	2	64.8	20	1043		36.29
7	2	64.8	20	1464		286.19
8	3	81.6	20	1084	1907	548.42
9	3	54.9	20	1689	1843	637.69
10	2	85.9	20	1152		219.38
11	2	57.8	20	1468		46.65
12	1	57.6	20			200.56
13	3	50.4	20	1328	1189	594.17
14	1	91.5	20			516.7
15	1	55.3	20			36.9
16	2	54.4	20	1624		230

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	91.8	8	1768		403.166
2	1	64.3	8			286.311
3	3	86.1	8	1783	1955	225.642
4	3	77.5	8	1714	1396	312.943
5	2	78.5	8	1480		517.184
6	3	69.6	8	1017	1750	432.395
7	2	79.7	8	1158		553.406
8	2	94	8	1151		255.797
9	2	65	8	1697		184.388
10	3	65.1	8	1779	1738	114.089
11	2	59.7	8	1232		265.381
12	1	70.3	8			482.962
13	3	52.8	8	1214	1224	497.313
14	2	75.8	8	1079		529.884
15	2	58	8	1390		114.305
16	3	65	8	1106	1261	7.646
17	2	66.9	8	1609		377.337
18	2	75.6	8	1475		603.358
19	2	55	8	1349		512.979

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	84.1	19	1452		499.88
2	2	73.3	19	1576		195.959
3	3	99.8	19	1348	1749	612.187
4	3	85.7	19	1804	1508	202.1
5	2	61.8	19	1537		196.793
6	1	62.9	19			561.747
7	1	80.1	19			520.23
8	2	59.8	19	1783		468.173
9	3	76.7	19	1784	1818	419.127
10	2	90.6	19	1923		238.63
11	2	62.3	19	1936		240.613
12	1	97.4	19			288.847
13	2	69.1	19	1410		50.05
14	2	69.1	19	1220		274.803
15	2	51.7	19	1757		254.007
16	1	94.3	19			45.3
17	1	84.4	19			618.233
18	1	74.6	19			75.167

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	95	18	1633		703.195
2	2	58.6	18	1996		597.43
3	1	88.5	18			272.28
4	2	64.7	18	1840		566.45
5	2	89.8	18	1719		108.42
6	2	97.7	18	1177		282.85
7	3	55.5	18	1869	1398	440.59
8	2	64.3	18	1538		158.37
9	2	51.2	18	1107		177.49
10	3	95.2	18	1637	1041	585.96
11	2	53.7	18	1183		380.15
12	2	56.8	18	1033		446.77
13	2	68.1	18	1998		338.22
14	1	67	18			39.85
15	3	85.3	18	1477	1344	376.6
16	2	53.4	18	1365		259.6

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	75.9	8	1784		178.568
2	3	62.8	8	1962	1411	351.56
3	2	79.4	8	1693		828.95
4	3	56.8	8	1842	1644	50.47
5	3	55.7	8	1937	1565	251.57
6	2	83.7	8	1569		334.04
7	3	94	8	1963	1075	654.51
8	1	88.7	8			63.97
9	2	67.6	8	1183		629.66
10	1	63.9	8			80.09
11	3	52.1	8	1565	1374	587
12	2	54.8	8	1173		208.9

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	69.6	6	1868	1163	635.645
2	2	69.5	6	1665		865.9
3	2	96.4	6	1885		441.62
4	2	80.6	6	1483		229.05
5	3	59.8	6	1749	1126	608.03
6	3	99.2	6	1563	1719	222.39
7	2	88.4	6	1710		173.11
8	2	54.2	6	1407		346.87
9	2	72.6	6	1506		66.31
10	2	84.7	6	1750		20

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	83.4	11	1261		445.177
2	2	64.2	11	1945		863.901
3	2	81.3	11	1892		852.572
4	2	97.9	11	1489		755.473
5	1	74.2	11			176.044
6	2	53.5	11	1034		45.895
7	3	88.1	11	1416	1020	779.935
8	2	75.1	11	1070		606.946
9	1	74.5	11			255.397
10	3	76.9	11	1140	1520	43.938
11	3	68.7	11	1694	1775	905.009

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	80.9	10	1542		337.922
2	1	83.5	10			498.58
3	3	79.2	10	1590	1575	698.53
4	1	99.9	10			171.4
5	1	95.6	10			86.18
6	1	56.4	10			660.06
7	1	88.7	10			974.11
8	2	73.6	10	1726		71.17
9	2	58.9	10	1681		521.2
10	2	57.6	10	1370		648.67
11	2	66	10	1746		535
12	3	85.5	10	1616	1105	506.9

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	1	89.4	17			96.455
2	2	64.8	17	1537		37.11
3	2	95.7	17	1405		599.312
4	3	93.7	17	1945	1339	107.733
5	2	65.4	17	1164		443.504
6	2	60.4	17	1369		209.295
7	2	95.9	17	1552		503.426
8	2	72.6	17	1028		542.677
9	2	88	17	1401		24.928
10	1	84.1	17			273.419
11	2	99.4	17	1467		61.251
12	2	79.3	17	1875		155.362
13	2	55.2	17	1829		69.963
14	2	50.2	17	1208		540.564
15	2	73.2	17	1232		28.355
16	3	50	17	1179	1429	530.516
17	1	82.6	17			141.037
18	2	78.8	17	1115		253.858
19	2	83.1	17	1211		221.779

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	94.9	18			156.054
2	2	54.2	18	1404		604.021
3	2	64.1	18	1709		535.942
4	2	82.5	18	1597		54.323
5	3	93.1	18	1373	1716	230.264
6	3	94.4	18	1123	1622	459.385
7	1	96.1	18			24.736
8	2	99.7	18	1697		84.327
9	1	78.4	18			583.708
10	2	83.7	18	1342		117.869
11	1	53.9	18			441.811
12	2	83.6	18	1099		356.942
13	3	52.3	18	1328	1910	408.583
14	3	94.5	18	1605	1226	197.104
15	2	96.7	18	1421		508.475
16	2	73.7	18	1053		539.316
17	1	56.5	18			332.337
18	1	97.5	18			167.958
19	3	69	18	1208	1945	363.979

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	57.3	10	1757	1376	451.6
2	3	88.6	10	1832	1735	638.893
3	2	97.4	10	1492		645.317
4	1	76	10			190.47
5	2	52.3	10	1169		160.873
6	1	94.7	10			155.527
7	2	68.5	10	1121		395.58
8	2	78.8	10	1947		52.343
9	2	89.1	10	1581		266.567
10	2	76.3	10	1716		130.97
11	2	58	10	1896		345.663
12	2	55.4	10	1453		390.527
13	2	56.4	10	1417		314.62
14	1	63.6	10			312.953
15	3	98	10	1446	1106	389.327
16	3	80	10	1436	1446	166.2
17	1	85.1	10			484.433
18	2	58.3	10	1299		391.167

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	75.5	6			201.02
2	2	80.9	6	1242		170.44
3	2	77.5	6	1542		448.57
4	2	85.7	6	1868		955.23
5	1	73.1	6			901.53
6	2	77.8	6	1575		835.36
7	2	95.3	6	1043		704.63
8	2	51.8	6	1482		740.94
9	2	50.7	6	1769		196.3
10	1	55.3	6			892.9
11	1	67.5	6			616.3
12	1	65.7	6			435.5

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	2	79.1	20	1849		304.112
2	1	50.5	20			264.6
3	2	82	20	1015		769.77
4	2	80.2	20	1099		646.4
5	2	69.9	20	1213		97.25
6	1	57.4	20			384.39
7	2	80.3	20	1121		721.88
8	2	70.8	20	1869		773.64
9	2	82.1	20	1537		339.25
10	2	91.6	20	1762		692.53
11	2	51.7	20	1696		793
12	2	84.4	20	1665		737.71
13	3	53.5	20	1937	1966	69.78
14	3	85.5	20	1352	1479	452.5
15	2	82.7	20	1048		475.8

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	2	58.6	16	1112		91.176
2	1	98.3	16			233.83
3	1	80.6	16			759.95
4	1	80.1	16			210.31
5	2	93.7	16	1397		508.58
6	3	91	16	1902	1034	792.49
7	2	71.5	16	1835		524.16
8	2	74.6	16	1392		560.27
9	3	92.1	16	1939	1491	123.55
10	2	86.9	16	1136		0.08
11	2	62.1	16	1557		664.43
12	2	69.3	16	1686		445.26
13	3	86.6	16	1743	1791	700.5
14	2	88	16	1134		76.1
15	2	53	16	1922		262.9

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	2	66.2	15	1326		1057.59
2	2	87.4	15	1934		1051.76
3	1	67.3	15			698.82
4	1	80.4	15			181.96
5	2	90.3	15	1899		17.21
6	2	63.7	15	1878		1150.79
7	1	84.4	15			626.45
8	3	92.8	15	1043	1965	705.97
9	2	97.8	15	1677		796.1
10	2	87.1	15	1314		222.7

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	55.7	16	1946		59.814
2	2	80.9	16	1925		711.267
3	2	71.1	16	1805		337.114
4	1	82.7	16			202.151
5	1	83.2	16			675.289
6	1	98	16			133.546
7	1	93	16			4.753
8	2	68.5	16	1381		13.33
9	2	55.6	16	1576		706.707
10	2	56.5	16	1831		256.344
11	2	60.7	16	1921		101.941
12	3	73.4	16	1710	1408	520.449
13	1	59.1	16			833.986
14	1	58.6	16			672.943

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	50	5			245.569
2	1	81.5	5			637.947
3	2	73.9	5	1898		423.824
4	2	95	5	1365		721.121
5	1	56.9	5			766.299
6	3	67.8	5	1482	1528	757.166
7	2	73.9	5	1387		594.673
8	1	95.9	5			609.84
9	2	78.5	5	1175		462.007
10	3	95.5	5	1038	1510	719.114
11	2	57	5	1732		373.231
12	3	93.9	5	1349	1984	711.729
13	1	88.5	5			838.986
14	2	88.2	5	1656		604.543

Type 5 Radar Waveform_30

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	81.5	8			381.032
2	1	71.2	8			414.46
3	1	54.7	8			386.8
4	1	65.4	8			564.97
5	2	81.2	8	1238		550.61
6	2	62	8	1559		59.81
7	1	72.9	8			407.24
8	2	51.7	8	1119		28.31
9	2	51	8	1772		303.54
10	2	97.8	8	1098		374.85
11	2	99.3	8	1391		11.43
12	2	73.6	8	1779		474.46
13	3	79.7	8	1466	1396	593.05
14	1	88.2	8			465.03
15	2	67.8	8	1895		455.63
16	3	76	8	1750	1745	165.62
17	2	54.9	8	1597		560.9
18	2	85.9	8	1273		78.1
19	2	61	8	1730		222.6
20	2	66.4	8	1570		155.1

Radar Type 6 - Radar Statistical Performance

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

Type 6 Radar Waveform_1				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
26	5.25	5.263	160	*
42	5.25	5.266	160	*
47	5.25	5.28	160	*
49	5.25	5.261	160	*
58	5.25	5.295	160	*
59	5.25	5.258	160	*
65	5.25	5.318	160	*
74	5.25	5.285	160	*
76	5.25	5.271	160	*
80	5.25	5.274	160	*
90	5.25	5.298	160	*
91	5.25	5.284	160	*
95	5.25	5.283	160	*

Type 6 Radar Waveform_2

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.25	5.274	160	*
10	5.25	5.32	160	*
13	5.25	5.286	160	*
16	5.25	5.291	160	*
22	5.25	5.315	160	*
23	5.25	5.309	160	*
25	5.25	5.31	160	*
39	5.25	5.253	160	*
50	5.25	5.296	160	*
67	5.25	5.295	160	*
69	5.25	5.329	160	*
83	5.25	5.311	160	*
89	5.25	5.281	160	*
91	5.25	5.314	160	*
92	5.25	5.293	160	*
95	5.25	5.325	160	*

Type 6 Radar Waveform_3

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.25	5.33	160	*
15	5.25	5.312	160	*
21	5.25	5.296	160	*
63	5.25	5.306	160	*
66	5.25	5.294	160	*
74	5.25	5.327	160	*
76	5.25	5.264	160	*
77	5.25	5.268	160	*
92	5.25	5.32	160	*
93	5.25	5.295	160	*
97	5.25	5.308	160	*

Type 6 Radar Waveform_4				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
5	5.25	5.322	160	*
6	5.25	5.277	160	*
10	5.25	5.284	160	*
12	5.25	5.271	160	*
16	5.25	5.313	160	*
17	5.25	5.283	160	*
18	5.25	5.295	160	*
23	5.25	5.256	160	*
27	5.25	5.319	160	*
29	5.25	5.299	160	*
30	5.25	5.288	160	*
32	5.25	5.323	160	*
33	5.25	5.28	160	*
35	5.25	5.306	160	*
46	5.25	5.318	160	*
50	5.25	5.263	160	*
56	5.25	5.308	160	*
58	5.25	5.289	160	*
69	5.25	5.276	160	*
70	5.25	5.274	160	*
77	5.25	5.307	160	*
91	5.25	5.296	160	*

Type 6 Radar Waveform_5				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.25	5.301	160	*
9	5.25	5.286	160	*
10	5.25	5.25	160	*
12	5.25	5.328	160	*
25	5.25	5.292	160	*
28	5.25	5.293	160	*
29	5.25	5.3	160	*
32	5.25	5.287	160	*
38	5.25	5.309	160	*
43	5.25	5.282	160	*
45	5.25	5.274	160	*
53	5.25	5.327	160	*
68	5.25	5.272	160	*
75	5.25	5.304	160	*
77	5.25	5.279	160	*
79	5.25	5.32	160	*
85	5.25	5.303	160	*
92	5.25	5.318	160	*
97	5.25	5.289	160	*

Type 6 Radar Waveform_6

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.25	5.261	160	*
9	5.25	5.313	160	*
25	5.25	5.27	160	*
37	5.25	5.303	160	*
44	5.25	5.283	160	*
45	5.25	5.286	160	*
54	5.25	5.29	160	*
69	5.25	5.305	160	*
82	5.25	5.292	160	*
86	5.25	5.322	160	*
87	5.25	5.267	160	*
100	5.25	5.268	160	*

Type 6 Radar Waveform_7

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.25	5.307	160	*
7	5.25	5.258	160	*
8	5.25	5.29	160	*
9	5.25	5.259	160	*
12	5.25	5.253	160	*
18	5.25	5.276	160	*
19	5.25	5.323	160	*
29	5.25	5.325	160	*
31	5.25	5.284	160	*
33	5.25	5.269	160	*
43	5.25	5.326	160	*
45	5.25	5.311	160	*
51	5.25	5.265	160	*
58	5.25	5.293	160	*
60	5.25	5.25	160	*
65	5.25	5.316	160	*
70	5.25	5.262	160	*
82	5.25	5.279	160	*

Type 6 Radar Waveform_8

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
15	5.25	5.259	160	*
20	5.25	5.271	160	*
22	5.25	5.281	160	*
34	5.25	5.3	160	*
60	5.25	5.293	160	*
70	5.25	5.258	160	*
75	5.25	5.287	160	*
78	5.25	5.313	160	*
79	5.25	5.32	160	*
83	5.25	5.315	160	*
86	5.25	5.269	160	*
94	5.25	5.324	160	*

Type 6 Radar Waveform_9

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.25	5.313	160	*
4	5.25	5.287	160	*
13	5.25	5.311	160	*
20	5.25	5.279	160	*
27	5.25	5.314	160	*
30	5.25	5.327	160	*
36	5.25	5.285	160	*
43	5.25	5.289	160	*
47	5.25	5.265	160	*
65	5.25	5.29	160	*
66	5.25	5.269	160	*
72	5.25	5.275	160	*
74	5.25	5.317	160	*
77	5.25	5.26	160	*
84	5.25	5.264	160	*
93	5.25	5.284	160	*

Type 6 Radar Waveform_10

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
10	5.25	5.287	160	*
20	5.25	5.289	160	*
28	5.25	5.279	160	*
32	5.25	5.293	160	*
37	5.25	5.258	160	*
42	5.25	5.321	160	*
46	5.25	5.271	160	*
47	5.25	5.25	160	*
54	5.25	5.275	160	*
56	5.25	5.326	160	*
61	5.25	5.308	160	*
65	5.25	5.261	160	*
71	5.25	5.284	160	*
77	5.25	5.294	160	*

Type 6 Radar Waveform_11

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.25	5.255	160	*
9	5.25	5.3	160	*
10	5.25	5.258	160	*
14	5.25	5.313	160	*
37	5.25	5.284	160	*
50	5.25	5.261	160	*
55	5.25	5.281	160	*
66	5.25	5.324	160	*
67	5.25	5.325	160	*
69	5.25	5.285	160	*
73	5.25	5.251	160	*
75	5.25	5.288	160	*
79	5.25	5.268	160	*
88	5.25	5.294	160	*

Type 6 Radar Waveform_12

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.25	5.324	160	*
5	5.25	5.281	160	*
9	5.25	5.25	160	*
12	5.25	5.3	160	*
29	5.25	5.28	160	*
34	5.25	5.298	160	*
37	5.25	5.279	160	*
41	5.25	5.294	160	*
44	5.25	5.306	160	*
45	5.25	5.291	160	*
48	5.25	5.272	160	*
53	5.25	5.26	160	*
58	5.25	5.307	160	*
60	5.25	5.315	160	*
62	5.25	5.252	160	*
64	5.25	5.33	160	*
65	5.25	5.327	160	*
75	5.25	5.253	160	*
99	5.25	5.32	160	*
100	5.25	5.29	160	*

Type 6 Radar Waveform_13

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
6	5.25	5.26	160	*
15	5.25	5.307	160	*
16	5.25	5.299	160	*
18	5.25	5.27	160	*
19	5.25	5.259	160	*
20	5.25	5.291	160	*
32	5.25	5.269	160	*
45	5.25	5.324	160	*
47	5.25	5.265	160	*
62	5.25	5.317	160	*
71	5.25	5.281	160	*
83	5.25	5.328	160	*
89	5.25	5.321	160	*
90	5.25	5.304	160	*
92	5.25	5.273	160	*
93	5.25	5.276	160	*
100	5.25	5.266	160	*

Type 6 Radar Waveform_14

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.25	5.253	160	*
6	5.25	5.327	160	*
15	5.25	5.271	160	*
21	5.25	5.261	160	*
25	5.25	5.277	160	*
33	5.25	5.316	160	*
36	5.25	5.326	160	*
47	5.25	5.307	160	*
53	5.25	5.283	160	*
58	5.25	5.273	160	*
70	5.25	5.329	160	*
72	5.25	5.269	160	*
75	5.25	5.252	160	*
76	5.25	5.291	160	*
82	5.25	5.322	160	*
98	5.25	5.323	160	*

Type 6 Radar Waveform_15

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
1	5.25	5.327	160	*
3	5.25	5.274	160	*
5	5.25	5.33	160	*
15	5.25	5.273	160	*
34	5.25	5.267	160	*
42	5.25	5.255	160	*
46	5.25	5.297	160	*
51	5.25	5.282	160	*
58	5.25	5.319	160	*
59	5.25	5.25	160	*
61	5.25	5.279	160	*
76	5.25	5.272	160	*
78	5.25	5.268	160	*
81	5.25	5.281	160	*
92	5.25	5.324	160	*
93	5.25	5.313	160	*
95	5.25	5.316	160	*

Type 6 Radar Waveform_16					
	Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
	6	5.25	5.281	160	*
	28	5.25	5.305	160	*
	38	5.25	5.309	160	*
	42	5.25	5.323	160	*
	46	5.25	5.3	160	*
	48	5.25	5.303	160	*
	51	5.25	5.255	160	*
	54	5.25	5.283	160	*
	57	5.25	5.277	160	*
	63	5.25	5.254	160	*
	70	5.25	5.256	160	*
	77	5.25	5.326	160	*
	84	5.25	5.269	160	*
	90	5.25	5.327	160	*
	96	5.25	5.274	160	*
Type 6 Radar Waveform_17					
	Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
	3	5.25	5.304	160	*
	4	5.25	5.31	160	*
	34	5.25	5.297	160	*
	35	5.25	5.272	160	*
	36	5.25	5.302	160	*
	47	5.25	5.27	160	*
	53	5.25	5.278	160	*
	60	5.25	5.261	160	*
	61	5.25	5.275	160	*
	66	5.25	5.306	160	*
	68	5.25	5.311	160	*
	92	5.25	5.266	160	*
	95	5.25	5.263	160	*
	98	5.25	5.313	160	*

Type 6 Radar Waveform_18

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
13	5.25	5.269	160	*
15	5.25	5.303	160	*
16	5.25	5.301	160	*
22	5.25	5.315	160	*
25	5.25	5.283	160	*
28	5.25	5.26	160	*
30	5.25	5.278	160	*
40	5.25	5.31	160	*
42	5.25	5.289	160	*
49	5.25	5.268	160	*
56	5.25	5.325	160	*
67	5.25	5.259	160	*
70	5.25	5.304	160	*
71	5.25	5.295	160	*
74	5.25	5.297	160	*
78	5.25	5.313	160	*
86	5.25	5.298	160	*
87	5.25	5.329	160	*
92	5.25	5.302	160	*
94	5.25	5.305	160	*
95	5.25	5.271	160	*
96	5.25	5.272	160	*
98	5.25	5.306	160	*

Type 6 Radar Waveform_19

Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.25	5.27	160	*
6	5.25	5.259	160	*
12	5.25	5.301	160	*
22	5.25	5.266	160	*
23	5.25	5.317	160	*
32	5.25	5.277	160	*
48	5.25	5.311	160	*
56	5.25	5.26	160	*
59	5.25	5.324	160	*
62	5.25	5.279	160	*
64	5.25	5.326	160	*
66	5.25	5.327	160	*
69	5.25	5.276	160	*
70	5.25	5.289	160	*
76	5.25	5.288	160	*
87	5.25	5.25	160	*
90	5.25	5.322	160	*
97	5.25	5.265	160	*

Type 6 Radar Waveform_20				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
4	5.25	5.299	160	*
11	5.25	5.305	160	*
21	5.25	5.282	160	*
24	5.25	5.259	160	*
29	5.25	5.269	160	*
30	5.25	5.288	160	*
36	5.25	5.314	160	*
41	5.25	5.254	160	*
42	5.25	5.271	160	*
46	5.25	5.313	160	*
56	5.25	5.302	160	*
72	5.25	5.329	160	*
86	5.25	5.306	160	*
89	5.25	5.285	160	*
90	5.25	5.262	160	*

Type 6 Radar Waveform_21				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.25	5.266	160	*
7	5.25	5.311	160	*
18	5.25	5.296	160	*
33	5.25	5.314	160	*
37	5.25	5.291	160	*
40	5.25	5.287	160	*
48	5.25	5.251	160	*
57	5.25	5.264	160	*
58	5.25	5.272	160	*
84	5.25	5.256	160	*
85	5.25	5.316	160	*
92	5.25	5.304	160	*
95	5.25	5.306	160	*

Type 6 Radar Waveform_22					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
4	5.25	5.253	160	*	
6	5.25	5.274	160	*	
7	5.25	5.322	160	*	
11	5.25	5.272	160	*	
15	5.25	5.266	160	*	
20	5.25	5.262	160	*	
24	5.25	5.295	160	*	
33	5.25	5.314	160	*	
34	5.25	5.321	160	*	
36	5.25	5.256	160	*	
43	5.25	5.275	160	*	
50	5.25	5.291	160	*	
51	5.25	5.25	160	*	
56	5.25	5.32	160	*	
57	5.25	5.326	160	*	
61	5.25	5.302	160	*	
63	5.25	5.264	160	*	
72	5.25	5.263	160	*	
75	5.25	5.286	160	*	
81	5.25	5.278	160	*	
83	5.25	5.319	160	*	
85	5.25	5.318	160	*	
87	5.25	5.282	160	*	
89	5.25	5.313	160	*	
93	5.25	5.325	160	*	
Type 6 Radar Waveform_23					
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX	
1	5.25	5.274	160	*	
22	5.25	5.26	160	*	
25	5.25	5.308	160	*	
32	5.25	5.27	160	*	
49	5.25	5.33	160	*	
60	5.25	5.305	160	*	
61	5.25	5.258	160	*	
65	5.25	5.296	160	*	
74	5.25	5.257	160	*	
75	5.25	5.268	160	*	
81	5.25	5.288	160	*	
84	5.25	5.277	160	*	
91	5.25	5.295	160	*	
93	5.25	5.25	160	*	
100	5.25	5.283	160	*	

Type 6 Radar Waveform_24				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
2	5.25	5.3	160	*
10	5.25	5.275	160	*
11	5.25	5.296	160	*
33	5.25	5.26	160	*
36	5.25	5.312	160	*
44	5.25	5.29	160	*
47	5.25	5.273	160	*
48	5.25	5.258	160	*
49	5.25	5.316	160	*
73	5.25	5.277	160	*
76	5.25	5.314	160	*
81	5.25	5.282	160	*

Type 6 Radar Waveform_25				
Burst	Carrier (GHz)	Hop (GHz)	DUT BW (MHz)	Within RX
3	5.25	5.327	160	*
7	5.25	5.304	160	*
10	5.25	5.324	160	*
16	5.25	5.309	160	*
21	5.25	5.269	160	*
26	5.25	5.261	160	*
27	5.25	5.292	160	*
29	5.25	5.284	160	*
44	5.25	5.314	160	*
49	5.25	5.302	160	*
50	5.25	5.303	160	*
55	5.25	5.305	160	*
60	5.25	5.287	160	*
68	5.25	5.274	160	*