



DFS MEASUREMENT REPORT

FCC ID: Q9DAPIN0634

Applicant: Hewlett Packard Enterprise

Product: ACCESS POINT

Model No.: APIN0634

Brand Name:  , 

FCC Classification: Unlicensed National Information Infrastructure (NII)

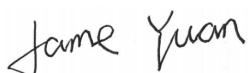
FCC Rule Part(s): Part 15 Subpart E (Section 15.407)

Result: Complies

Received Date: 2023-06-25

Test Date: 2023-08-19

Reviewed By:



Jame Yuan

Approved By:



Robin Wu



The test results relate only to the samples tested.

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

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

Revision History

Report No.	Version	Description	Issue Date	Note
2306RSU040-U5	V01	Initial Report	2023-08-25	Invalid
2306RSU040-U5	V02	Add one description on page 18	2023-10-25	Valid

Note 1: The product is a variation on the existing APIN0635 that had FCC approval (FCC ID: Q9DAPIN0635).

The differences are shown in the table below.

Parts of Product	Modification
Enclosure	Antenna location from internal to external
Others	PCB board has no change

Note 2: Spot-check tests were done on Statistical Performance Check item for 802.11ax-HE80 channel 5530MHz. The original report no is 2101TW0003-U5.

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1. General Information

1.1. Applicant

Hewlett Packard Enterprise

6280 America Center Drive, San Jose CA 95002, United States

1.2. Manufacturer

Hewlett Packard Enterprise

6280 America Center Drive, San Jose CA 95002, United States

1.3. Testing Facility

☒	Test Site – MRT Suzhou Laboratory Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China Laboratory Location (Suzhou - SIP) 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China Laboratory Accreditations A2LA: 3628.01 CNAS: L10551 FCC: CN1166 ISED: CN0001 VCCI: ☐ R-20025 ☐ G-20034 ☐ C-20020 ☐ T-20020 ☐ R-20141 ☐ G-20134 ☐ C-20103 ☐ T-20104
☐	Test Site – MRT Shenzhen Laboratory Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China Laboratory Accreditations A2LA: 3628.02 CNAS: L10551 FCC: CN1284 ISED: CN0105
☐	Test Site – MRT Taiwan Laboratory Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) Laboratory Accreditations TAF: 3261 FCC: 291082, TW3261 ISED: TW3261

1.4. Product Information

Product Name	ACCESS POINT
Model No.	APIN0634
Serial No.	CNQJLZJ016
Software Version	Aruba OS 8.11.2.0_87192
Wi-Fi Specification	802.11a/b/g/n/ac/ax
Bluetooth Specification	v5.0 single mode, BLE only
Zigbee Specification	802.15.4
GNSS Specification	GPS, GLONASS, Galileo
Working Voltage	AC/DC Adapter or PoE Injector input
Operating Temperature	0 ~ 50 °C
Operating Environment	Indoor Use
Note: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

1.5. Radio Specification under Test

Frequency Range	For 802.11a/n-HT20/ac-VHT20/ax-HE20: 5260~5320MHz, 5500~5720MHz For 802.11n-HT40/ac-VHT40/ax-HE40: 5270~5310MHz, 5510~5710MHz For 802.11ac-VHT80/ax-HE80: 5290MHz, 5530MHz, 5610 MHz, 5690MHz
Type of Modulation	802.11a/n/ac: OFDM 802.11ax: OFDMA
Data Rate	802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 300Mbps 802.11ac: up to 866.6Mbps 802.11ax: up to 1201Mbps
Uniform Spreading (For DFS Frequency Band)	For the 5250-5350MHz, 5470-5725 MHz bands, the Master device provides, on aggregate, uniform loading of the spectrum across all devices by selecting an operating channel among the available channels using a random algorithm.

1.6. Working Frequencies

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

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

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

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

802.11ac-VHT80/ax-HE80

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

1.7. Antenna Details

Polarization	Antenna Name	Frequency	Max Peak	CDD Dir Gain (dBi)		BF Dir Gain (dBi)
		Band (GHz)	Gain (dBi)	For Power	For PSD	
Wi-Fi External Antenna List (2*2 MIMO)						
Omni	AP-ANT-311	2.4 ~ 2.5	3.0	3.0	6.01	6.01
		5.15 ~ 5.9	6.0	6.0	9.01	9.01
		5.9 ~ 7.2	6.0	6.0	9.01	9.01
Omni	AP-ANT-312	2.4 ~ 2.5	3.3	3.3	6.31	6.31
		5.15 ~ 5.9	3.3	3.3	6.31	6.31
		5.9 ~ 7.2	4.1	4.1	7.11	7.11
Omni	AP-ANT-313	2.4 ~ 2.5	3.0	3.0	6.01	6.01
		5.15 ~ 5.9	6.0	6.0	9.01	9.01
		5.9 ~ 7.2	6.0	6.0	9.01	9.01
Omni	AP-ANT-320 AP-ANT-340	2.4 ~ 2.5	4.0	4.0	7.01	7.01
		5.15 ~ 5.9	5.0	5.0	8.01	8.01
		5.9 ~ 7.2	5.0	5.0	8.01	8.01
Directional (Note 4)	AP-ANT-325 AP-ANT-345	2.4 ~ 2.5	6.1	6.1	6.1	6.1
		5.15 ~ 5.9	6.1	6.1	6.1	6.1
		5.9 ~ 7.2	5.4	5.4	5.4	5.4
Directional (Note 4)	AP-ANT-328 AP-ANT-348	2.4 ~ 2.5	7.5	7.5	7.5	7.5
		5.15 ~ 5.9	8.0	8.0	8.0	8.0
		5.9 ~ 7.2	8.0	8.0	8.0	8.0

Note:

- 1, The EUT supports Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.
- 2, The EUT also supports Beam Forming mode, and the Beam Forming support 802.11n/ac/ax, not include 802.11a/b/g.
- 3, The antenna specification is provided by the applicant.
- 4, These antennas are cross polarized design and the detail refers to antenna specification.
- 5, AP-ANT-325 is a tri-band and 2-element antenna and AP-ANT-345 is a tri-band and 4-element antenna. AP-ANT-328 is a tri-band and 2-element antenna and AP-ANT-348 is a tri-band and 4-element antenna.
- 6, Low gain antenna (AP-ANT-312) was selected to perform all RF testing that can got maximum power setting, high gain different type antenna (AP-ANT-311 & AP-ANT-320 & AP-ANT-348) was selected to perform radiated spurious emission and band edge testing. High gain antenna power setting will be reduced according to difference value of antenna gain declared by applicant.

2. Test Configuration

2.1. Test Mode

Mode 1: Operating under AP mode

2.2. Test Channel

Test Mode	Test Channel	Test Frequency
802.11ax-HE80	106	5530 MHz

2.3. Applied Standards

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

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

2.4. Test Environment Condition

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

3. DFS Detection Thresholds and Radar Test Waveforms

3.1. Applicability

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

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

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

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

Additional requirements for devices with multiple bandwidth modes	Master Device or Client with Radar Detection	Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required

Note: Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

Table 3-2: Applicability of DFS Requirements during normal operation

3.2. DFS Devices Requirements

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

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

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

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.
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	$\text{Roundup} \left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	60%	30
		Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

Table 3-5: Parameters for Short Pulse Radar Waveforms

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

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

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

Long Pulse Radar Test Waveform

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

Table 3-7: Parameters for Long Pulse Radar Waveforms

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

Frequency Hopping Radar Test Waveform

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

Table 3-8: Parameters for Frequency Hopping Radar Waveforms

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

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

3.5. Conducted Test Setup

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

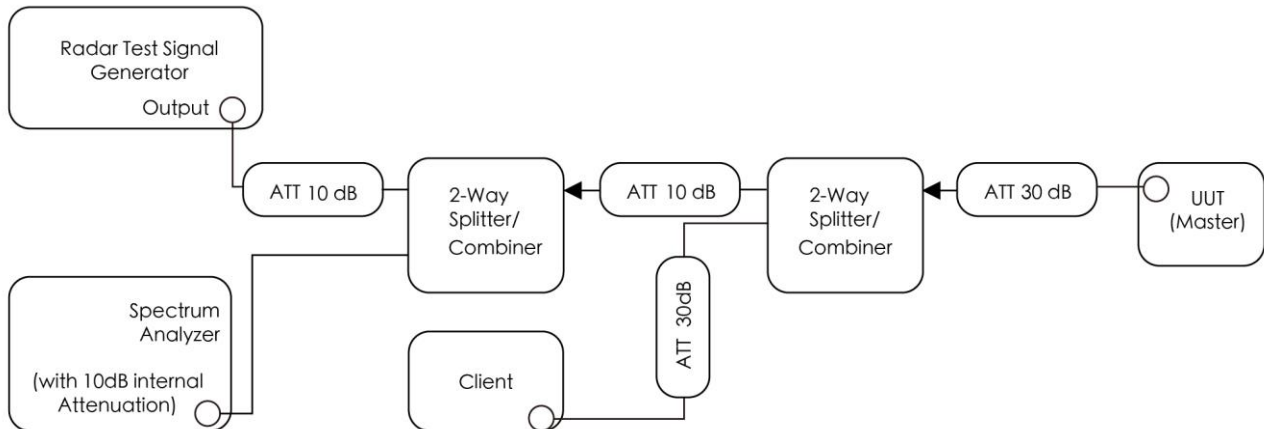


Figure 3-1: Conducted Test Setup where UUT is a Master and Radar Test Waveforms are injected into the Masters

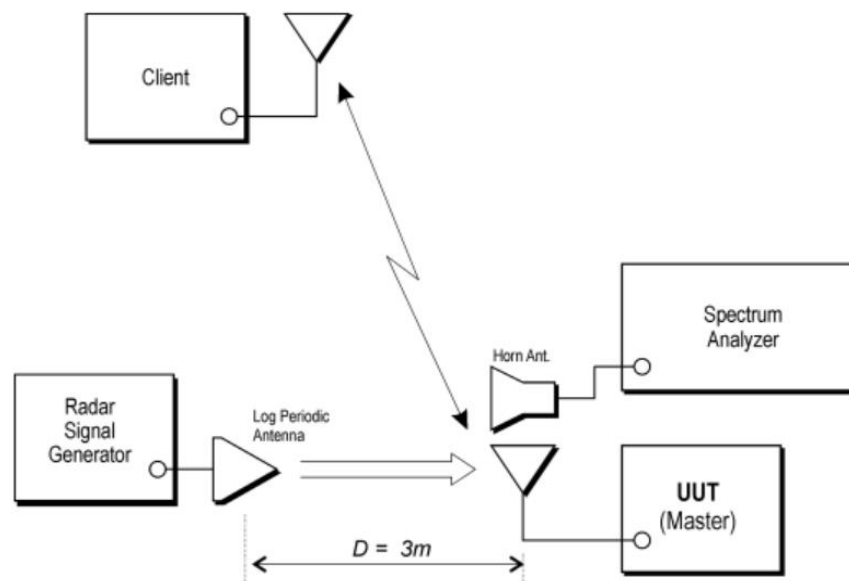


Figure 3-2: Radiated Test Setup where UUT is a master mode and Radar Test Waveforms are injected into the UUT

4. Measuring Instrument

Instrument Name	Manufacturer	Model No.	Asset No.	Cali. Interval	Cal. Due Date	Test Site
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2023-10-13	WZ-AC2
Anechoic Chamber	RIKEN	WZ-AC2	MRTSUE06213	1 year	2024-04-20	WZ-AC2
Signal Generator	Keysight	N5182B	MRTSUE06451	1 year	2024-06-29	WZ-AC2
Thermohygrometer	Mingle	ETH529	MRTSUE06170	1 year	2023-11-27	WZ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11038	1 year	2023-11-01	WZ-AC2
EMI Test Receiver	Agilent	N9038A	MRTSUE06125	1 year	2024-05-23	WZ-AC2

Client Information

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

Software	Version	Manufacturer	Function
DFS Tool	V 6.9.2	Agilent	DFS Test Software
Pulse Sequencer	V 2.0	R&S	DFS Test Software
Signal Studio	V2.2.0.0	Keysight	DFS Test Software

5. Test Result

5.1. Summary

Parameter	Verdict	Reference
Statistical Performance Check	Pass	Section 5.2

Note: We used the worst case level -64dBm as DFS detection thresholds for all DFS testing.

5.2. Statistical Performance Check Measurement

5.2.1. 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	$P_d \geq 60\%$
1	30(15 of test A and 15 of test B)	$P_d \geq 60\%$
2	30	$P_d \geq 60\%$
3	30	$P_d \geq 60\%$
4	30	$P_d \geq 60\%$
Aggregate (Radar Types 1-4)	120	$P_d \geq 80\%$
5	30	$P_d \geq 80\%$
6	30	$P_d \geq 70\%$

Note: The percentage of successful detection is calculated by:
 $(\text{Total Waveform Detections} / \text{Total Waveform Trails}) * 100 = \text{Probability of Detection Radar Waveform}$
 In addition an aggregate minimum percentage of successful detection across all Short Pulse Radar Types 1-4 is required and is calculated as follows: $(P_{d1} + P_{d2} + P_{d3} + P_{d4}) / 4$.

5.2.2. 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

5.2.3. Test Result

Refer to Appendix A.1.

Appendix A - Test Result

A.1 Statistical Performance Check

Test Site	WZ-AC2	Test Engineer	Jake Lan
Test Date	2023-08-19		
Test Item	Radar Statistical Performance Check (802.11ax-HE80 – 5530MHz)		

Radar Type 1-4 - Radar Statistical Performance								
Trial	Radar Type 1		Radar Type 2		Radar Type 3		Radar Type 4	
	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect
0	5549	1	5518	1	5535	1	5551	1
1	5517	1	5528	0	5570	1	5489	1
2	5531	1	5505	1	5555	1	5556	1
3	5495	1	5542	0	5550	1	5554	1
4	5541	1	5510	1	5561	1	5495	1
5	5537	0	5539	1	5538	1	5532	1
6	5571	1	5515	1	5518	1	5557	1
7	5523	1	5507	1	5560	1	5492	1
8	5499	1	5493	1	5563	1	5547	1
9	5538	1	5546	0	5533	1	5513	1
10	5562	1	5499	1	5499	1	5503	1
11	5506	1	5491	1	5564	1	5523	1
12	5547	1	5498	1	5517	1	5495	1
13	5509	1	5527	1	5552	1	5518	1
14	5503	1	5500	1	5527	1	5503	1
15	5558	1	5541	1	5505	1	5520	0
16	5540	1	5529	1	5563	1	5554	1
17	5560	1	5570	1	5554	0	5536	1
18	5520	1	5519	1	5571	1	5543	1
19	5507	1	5549	1	5561	1	5534	1
20	5545	1	5511	1	5570	1	5554	1
21	5550	1	5542	1	5513	1	5510	1
22	5551	1	5505	1	5506	1	5532	0
23	5551	1	5498	1	5523	1	5524	1
24	5499	1	5570	1	5560	1	5503	1
25	5535	1	5508	1	5527	0	5513	1
26	5524	1	5489	1	5504	1	5568	1

Trial	Radar Type 1		Radar Type 2		Radar Type 3		Radar Type 4	
	Frequency	1=detect	Frequency	1=detect	Frequency	1=detect	Frequency	1=detect
	(MHz)	0=no detect	(MHz)	0=no detect	(MHz)	0=no detect	(MHz)	0=no detect
27	5498	1	5539	1	5507	1	5559	1
28	5560	1	5501	1	5547	1	5542	1
29	5530	1	5514	1	5502	1	5537	1
Probability:	96.7%		90.0%		93.3%		93.3%	
Aggregate:	93.3% (>80%)							

Radar Type 1 - Radar Waveform							Radar Type 2 - Radar Waveform						
	Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)		Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
Download	0	Type 1	1.0	638.0	83	52954.0	Download	0	Type 2	2.8	212.0	26	5512.0
Download	1	Type 1	1.0	858.0	62	53196.0	Download	1	Type 2	4.7	199.0	29	5771.0
Download	2	Type 1	1.0	678.0	78	52884.0	Download	2	Type 2	4.8	222.0	29	6438.0
Download	3	Type 1	1.0	3066.0	18	55188.0	Download	3	Type 2	1.1	204.0	23	4892.0
Download	4	Type 1	1.0	938.0	57	53466.0	Download	4	Type 2	1.1	201.0	23	4623.0
Download	5	Type 1	1.0	718.0	74	53132.0	Download	5	Type 2	3.2	223.0	26	5798.0
Download	6	Type 1	1.0	918.0	58	53244.0	Download	6	Type 2	4.9	219.0	29	6351.0
Download	7	Type 1	1.0	798.0	67	53466.0	Download	7	Type 2	2.8	180.0	26	4680.0
Download	8	Type 1	1.0	838.0	63	52794.0	Download	8	Type 2	1.9	163.0	24	3912.0
Download	9	Type 1	1.0	598.0	89	53222.0	Download	9	Type 2	1.3	192.0	23	4416.0
Download	10	Type 1	1.0	698.0	76	53048.0	Download	10	Type 2	2.1	150.0	24	3600.0
Download	11	Type 1	1.0	898.0	59	52982.0	Download	11	Type 2	1.4	193.0	23	4439.0
Download	12	Type 1	1.0	558.0	95	53010.0	Download	12	Type 2	4.6	228.0	29	6612.0
Download	13	Type 1	1.0	738.0	72	53136.0	Download	13	Type 2	1.5	159.0	23	3657.0
Download	14	Type 1	1.0	518.0	102	52836.0	Download	14	Type 2	2.7	160.0	26	4160.0
Download	15	Type 1	1.0	2285.0	24	54840.0	Download	15	Type 2	2.2	226.0	25	5650.0
Download	16	Type 1	1.0	2144.0	25	53600.0	Download	16	Type 2	2.7	195.0	25	4875.0
Download	17	Type 1	1.0	2570.0	21	53970.0	Download	17	Type 2	4.5	224.0	29	6496.0
Download	18	Type 1	1.0	1205.0	44	53020.0	Download	18	Type 2	2.4	170.0	25	4250.0
Download	19	Type 1	1.0	2958.0	18	53244.0	Download	19	Type 2	2.2	209.0	25	5225.0
Download	20	Type 1	1.0	2748.0	20	54960.0	Download	20	Type 2	2.0	181.0	24	4344.0
Download	21	Type 1	1.0	2610.0	21	54810.0	Download	21	Type 2	1.7	166.0	24	3984.0
Download	22	Type 1	1.0	1714.0	31	53134.0	Download	22	Type 2	1.6	207.0	24	4968.0
Download	23	Type 1	1.0	1461.0	37	54057.0	Download	23	Type 2	4.1	203.0	28	5684.0
Download	24	Type 1	1.0	691.0	77	53207.0	Download	24	Type 2	1.9	156.0	24	3744.0
Download	25	Type 1	1.0	2069.0	26	53794.0	Download	25	Type 2	3.4	158.0	27	4286.0
Download	26	Type 1	1.0	970.0	55	53350.0	Download	26	Type 2	3.6	164.0	27	4428.0
Download	27	Type 1	1.0	2834.0	19	53846.0	Download	27	Type 2	3.7	229.0	27	6183.0
Download	28	Type 1	1.0	1390.0	38	52820.0	Download	28	Type 2	1.1	191.0	23	4393.0
Download	29	Type 1	1.0	1079.0	49	52871.0	Download	29	Type 2	1.5	153.0	23	3519.0

Radar Type 3 - Radar Waveform							Radar Type 4 - Radar Waveform						
	Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)		Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
Download	0	Type 3	7.8	463.0	17	7871.0	Download	0	Type 4	15.1	463.0	14	6482.0
Download	1	Type 3	9.7	246.0	18	4428.0	Download	1	Type 4	19.3	246.0	16	3936.0
Download	2	Type 3	9.8	321.0	18	5778.0	Download	2	Type 4	19.5	321.0	16	5136.0
Download	3	Type 3	6.1	270.0	16	4320.0	Download	3	Type 4	11.4	270.0	12	3240.0
Download	4	Type 3	6.1	413.0	16	6608.0	Download	4	Type 4	11.3	413.0	12	4956.0
Download	5	Type 3	8.2	276.0	17	4692.0	Download	5	Type 4	16.0	276.0	14	3864.0
Download	6	Type 3	9.9	255.0	18	4590.0	Download	6	Type 4	19.7	255.0	16	4080.0
Download	7	Type 3	7.8	498.0	17	8466.0	Download	7	Type 4	15.1	498.0	14	6972.0
Download	8	Type 3	6.9	375.0	16	6000.0	Download	8	Type 4	12.9	375.0	13	4875.0
Download	9	Type 3	6.3	237.0	16	3792.0	Download	9	Type 4	11.6	237.0	12	2844.0
Download	10	Type 3	7.1	351.0	16	5616.0	Download	10	Type 4	13.4	351.0	13	4563.0
Download	11	Type 3	6.4	266.0	16	4256.0	Download	11	Type 4	11.9	266.0	12	3192.0
Download	12	Type 3	9.6	222.0	18	3996.0	Download	12	Type 4	19.1	222.0	16	3552.0
Download	13	Type 3	6.5	369.0	16	5904.0	Download	13	Type 4	12.2	369.0	12	4428.0
Download	14	Type 3	7.7	465.0	17	7905.0	Download	14	Type 4	14.9	465.0	14	6510.0
Download	15	Type 3	7.2	476.0	16	7616.0	Download	15	Type 4	13.7	476.0	13	6188.0
Download	16	Type 3	7.7	481.0	17	8177.0	Download	16	Type 4	14.8	481.0	14	6734.0
Download	17	Type 3	9.5	486.0	18	8748.0	Download	17	Type 4	18.8	486.0	16	7776.0
Download	18	Type 3	7.4	304.0	17	5168.0	Download	18	Type 4	14.2	304.0	13	3952.0
Download	19	Type 3	7.2	453.0	16	7248.0	Download	19	Type 4	13.8	453.0	13	5889.0
Download	20	Type 3	7.0	211.0	16	3376.0	Download	20	Type 4	13.2	211.0	13	2743.0
Download	21	Type 3	6.7	361.0	16	5776.0	Download	21	Type 4	12.6	361.0	12	4332.0
Download	22	Type 3	6.6	396.0	16	6336.0	Download	22	Type 4	12.4	396.0	12	4752.0
Download	23	Type 3	9.1	493.0	18	8874.0	Download	23	Type 4	18.0	493.0	15	7395.0
Download	24	Type 3	6.9	279.0	16	4464.0	Download	24	Type 4	13.0	279.0	13	3627.0
Download	25	Type 3	8.4	207.0	17	3519.0	Download	25	Type 4	16.3	207.0	14	2898.0
Download	26	Type 3	8.6	445.0	17	7565.0	Download	26	Type 4	16.8	445.0	15	6675.0
Download	27	Type 3	8.7	239.0	18	4302.0	Download	27	Type 4	17.1	239.0	15	3585.0
Download	28	Type 3	6.1	215.0	16	3440.0	Download	28	Type 4	11.2	215.0	12	2580.0
Download	29	Type 3	6.5	281.0	16	4496.0	Download	29	Type 4	12.2	281.0	12	3372.0

Radar Type 5 - Radar Statistical Performance					
Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
0	5530.0	1	15	5498.0	1
1	5530.0	1	16	5495.6	1
2	5530.0	1	17	5496.4	1
3	5530.0	0	18	5494.0	0
4	5530.0	1	19	5495.6	1
5	5530.0	1	20	5566.4	1
6	5530.0	1	21	5563.6	0
7	5530.0	1	22	5563.6	1
8	5530.0	1	23	5563.2	0
9	5530.0	0	24	5564.8	1
10	5492.4	1	25	5567.6	1
11	5492.0	1	26	5562.8	1
12	5496.8	0	27	5564.8	1
13	5498.0	1	28	5567.6	1
14	5493.6	1	29	5567.6	1
Detection Percentage (%)			80.0%		

Type 5 Radar Waveform_0							
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	
646533.0	73.0	12	2	1173.0	1106.0	–	
867809.0	96.1	12	3	1939.0	1216.0	1291.0	
171951.0	97.3	12	3	1118.0	1981.0	1470.0	
395960.0	52.2	12	1	1681.0	–	–	
619306.0	51.9	12	1	1861.0	–	–	
841142.0	78.0	12	2	1811.0	1786.0	–	
144498.0	98.3	12	3	1294.0	1529.0	1831.0	
368010.0	72.7	12	2	1594.0	1147.0	–	
591846.0	61.0	12	1	1766.0	–	–	
815638.0	53.7	12	1	1376.0	–	–	
117428.0	63.4	12	1	1771.0	–	–	
340880.0	54.9	12	1	1755.0	–	–	
562702.0	94.9	12	3	1623.0	1740.0	1049.0	
Type 5 Radar Waveform_1							
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	
539121.0	56.7	19	1	1067.0	–	–	
61315.0	71.6	19	2	1357.0	1899.0	–	
214147.0	65.2	19	1	1949.0	–	–	
365895.0	71.1	19	2	1599.0	1993.0	–	
517042.0	93.4	19	3	1836.0	1731.0	1430.0	
42561.0	67.6	19	2	1419.0	1591.0	–	
195619.0	65.4	19	1	1040.0	–	–	
348082.0	62.2	19	1	1877.0	–	–	
500907.0	58.9	19	1	1749.0	–	–	
23833.0	58.0	19	1	1672.0	–	–	
175722.0	88.7	19	3	1962.0	1242.0	1618.0	
329487.0	61.1	19	1	1463.0	–	–	
481365.0	79.6	19	2	1150.0	1547.0	–	
5007.0	82.1	19	2	1097.0	1639.0	–	
156922.0	83.9	19	3	1640.0	1635.0	1852.0	
310500.0	51.3	19	1	1793.0	–	–	
463370.0	56.8	19	1	1620.0	–	–	
616000.0	65.5	19	1	1778.0	–	–	
139043.0	59.5	19	1	1338.0	–	–	

Type 5 Radar Waveform_2						
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
276655.0	69.6	20	2	1115.0	1552.0	—
420120.0	86.0	20	3	1368.0	1890.0	1402.0
567802.0	64.8	20	1	1187.0	—	—
113969.0	68.1	20	2	1474.0	1032.0	—
257868.0	93.0	20	3	1873.0	1690.0	1278.0
403667.0	69.9	20	2	1080.0	1609.0	—
548265.0	77.0	20	2	1191.0	1791.0	—
95804.0	86.7	20	3	1972.0	1400.0	1094.0
240088.0	87.2	20	3	1669.0	1782.0	1390.0
386810.0	64.5	20	1	1160.0	—	—
531441.0	53.8	20	1	1843.0	—	—
78015.0	94.1	20	3	1504.0	1223.0	1720.0
222966.0	82.4	20	2	1512.0	1567.0	—
367219.0	94.9	20	3	1000.0	1453.0	1469.0
514119.0	62.9	20	1	1206.0	—	—
60274.0	93.7	20	3	1345.0	1557.0	1039.0
204296.0	88.9	20	3	1927.0	1989.0	1600.0
349110.0	95.1	20	3	1485.0	1741.0	1210.0
494722.0	81.6	20	2	2000.0	1026.0	—
42404.0	87.8	20	3	1874.0	1467.0	1490.0

Type 5 Radar Waveform_3

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
276655.0	69.6	20	2	1115.0	1552.0	—
420120.0	86.0	20	3	1368.0	1890.0	1402.0
567802.0	64.8	20	1	1187.0	—	—
113969.0	68.1	20	2	1474.0	1032.0	—
257868.0	93.0	20	3	1873.0	1690.0	1278.0
403667.0	69.9	20	2	1080.0	1609.0	—
548265.0	77.0	20	2	1191.0	1791.0	—
95804.0	86.7	20	3	1972.0	1400.0	1094.0
240088.0	87.2	20	3	1669.0	1782.0	1390.0
386810.0	64.5	20	1	1160.0	—	—
531441.0	53.8	20	1	1843.0	—	—
78015.0	94.1	20	3	1504.0	1223.0	1720.0
222966.0	82.4	20	2	1512.0	1567.0	—
367219.0	94.9	20	3	1000.0	1453.0	1469.0
514119.0	62.9	20	1	1206.0	—	—
60274.0	93.7	20	3	1345.0	1557.0	1039.0
204296.0	88.9	20	3	1927.0	1989.0	1600.0
349110.0	95.1	20	3	1485.0	1741.0	1210.0
494722.0	81.6	20	2	2000.0	1026.0	—
42404.0	87.8	20	3	1874.0	1467.0	1490.0

Type 5 Radar Waveform_4

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
470113.0	59.6	5	1	1764.0	—	—
831585.0	88.9	5	3	1449.0	1846.0	1882.0
1194842.0	93.0	5	3	1393.0	1526.0	1362.0
61994.0	64.1	5	1	1558.0	—	—
424465.0	88.1	5	3	1980.0	1392.0	1527.0
788923.0	58.5	5	1	1386.0	—	—
1150167.0	91.1	5	3	1179.0	1964.0	1127.0
17214.0	72.4	5	2	1264.0	1573.0	—

Type 5 Radar Waveform_5

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
154444.0	91.9	13	3	1313.0	1945.0	1789.0
348650.0	53.4	13	1	1832.0	-	-
541095.0	72.2	13	2	1902.0	1603.0	-
736190.0	51.2	13	1	1421.0	-	-
131317.0	66.4	13	1	1269.0	-	-
324219.0	81.0	13	2	1779.0	1492.0	-
517722.0	78.2	13	2	1538.0	1316.0	-
710025.0	97.7	13	3	1340.0	1226.0	1444.0
107417.0	55.0	13	1	1550.0	-	-
300999.0	63.9	13	1	1729.0	-	-
494489.0	56.2	13	1	1917.0	-	-
688465.0	66.3	13	1	1434.0	-	-
83518.0	66.6	13	1	1988.0	-	-
276383.0	88.5	13	3	1588.0	1005.0	1349.0
468711.0	95.0	13	3	1446.0	1999.0	1753.0

Type 5 Radar Waveform_6

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
497797.0	56.2	20	1	1868.0	-	-
44626.0	75.3	20	2	1536.0	1730.0	-
189278.0	77.7	20	2	1996.0	1505.0	-
333138.0	99.9	20	3	1719.0	1634.0	1595.0
479082.0	80.7	20	2	1404.0	1518.0	-
26723.0	93.0	20	3	1102.0	1908.0	1952.0
172031.0	50.7	20	1	1509.0	-	-
316244.0	80.0	20	2	1767.0	1515.0	-
460024.0	84.4	20	3	1247.0	1975.0	1281.0
8969.0	78.8	20	2	1665.0	1803.0	-
154220.0	54.5	20	1	1244.0	-	-
297935.0	90.8	20	3	1897.0	1095.0	1254.0
443458.0	72.8	20	2	1228.0	1627.0	-
586429.0	93.3	20	3	1748.0	1629.0	1361.0
135646.0	99.7	20	3	1450.0	1057.0	1751.0
281524.0	55.8	20	1	1298.0	-	-
425355.0	78.5	20	2	1263.0	1961.0	-
571667.0	59.4	20	1	1575.0	-	-
118487.0	54.0	20	1	1030.0	-	-
263738.0	51.8	20	1	1070.0	-	-

Type 5 Radar Waveform_7

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
627478.0	85.4	12	3	1156.0	1652.0	1399.0
850625.0	72.9	12	2	2000.0	1892.0	-
154642.0	80.4	12	2	1003.0	1277.0	-
377443.0	71.4	12	2	1710.0	1840.0	-
600371.0	78.7	12	2	1929.0	1752.0	-
825208.0	60.6	12	1	1610.0	-	-
126850.0	95.4	12	3	1659.0	1090.0	1587.0
350889.0	59.0	12	1	1142.0	-	-
573418.0	74.1	12	2	1711.0	1146.0	-
798199.0	52.3	12	1	1011.0	-	-
99598.0	74.8	12	2	1317.0	1217.0	-
323051.0	55.7	12	1	1986.0	-	-
546753.0	57.4	12	1	1465.0	-	-

Type 5 Radar Waveform_8

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1000696.0	69.4	8	2	1267.0	1427.0	-
93871.0	65.0	8	1	1445.0	-	-
384103.0	78.9	8	2	1108.0	1759.0	-
674939.0	60.5	8	1	1990.0	-	-
965691.0	54.0	8	1	1745.0	-	-
58070.0	54.6	8	1	1352.0	-	-
348619.0	65.9	8	1	1906.0	-	-
637745.0	91.1	8	3	1612.0	1186.0	1824.0
928852.0	73.5	8	2	1700.0	1388.0	-
22204.0	87.8	8	3	1885.0	1302.0	1253.0

Type 5 Radar Waveform_9

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
390874.0	72.4	6	2	1574.0	1415.0	-
754851.0	61.8	6	1	1194.0	-	-
1115983.0	90.3	6	3	1684.0	1675.0	1019.0
1481253.0	55.3	6	1	1814.0	-	-
346451.0	54.4	6	1	1696.0	-	-
710104.0	55.3	6	1	1132.0	-	-
1073370.0	58.1	6	1	1491.0	-	-
1435647.0	77.7	6	2	1578.0	1122.0	-

Type 5 Radar Waveform_10

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
219320.0	56.8	9	1	1685.0	—	—
483536.0	62.6	9	1	1586.0	—	—
746042.0	86.6	9	3	1042.0	1792.0	1213.0
1012295.0	59.5	9	1	1189.0	—	—
186116.0	83.4	9	3	1872.0	1851.0	1835.0
449571.0	94.9	9	3	1967.0	1476.0	1576.0
715411.0	56.2	9	1	1246.0	—	—
978265.0	71.2	9	2	1579.0	1251.0	—
154023.0	70.0	9	2	1857.0	1365.0	—
417381.0	97.7	9	3	1075.0	1568.0	1726.0
680836.0	91.8	9	3	1480.0	1950.0	1043.0

Type 5 Radar Waveform_11

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1157739.0	55.9	6	1	1375.0	—	—
148620.0	82.1	6	2	1821.0	1359.0	—
471677.0	53.9	6	1	1901.0	—	—
793291.0	98.9	6	3	1211.0	1479.0	1391.0
1116904.0	83.3	6	2	1325.0	1293.0	—
108980.0	53.3	6	1	1992.0	—	—
431711.0	78.2	6	2	1065.0	1423.0	—
754112.0	70.8	6	2	1232.0	1911.0	—
1075231.0	95.3	6	3	1858.0	1332.0	1798.0

Type 5 Radar Waveform_12

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
32666.0	74.4	19	2	1924.0	1256.0	-
185605.0	54.8	19	1	1371.0	-	-
336693.0	88.2	19	3	1252.0	1497.0	1895.0
491561.0	60.7	19	1	1031.0	-	-
13923.0	61.9	19	1	1830.0	-	-
166034.0	85.1	19	3	1424.0	1350.0	1409.0
319397.0	57.9	19	1	1817.0	-	-
472740.0	59.6	19	1	1010.0	-	-
622171.0	88.4	19	3	1422.0	1556.0	1561.0
147866.0	55.3	19	1	1734.0	-	-
299473.0	90.9	19	3	1092.0	1276.0	1777.0
453237.0	53.6	19	1	1933.0	-	-
606135.0	65.9	19	1	1737.0	-	-
128824.0	74.6	19	2	1139.0	1698.0	-
281237.0	68.0	19	2	1570.0	1438.0	-
432145.0	93.1	19	3	1530.0	1758.0	1953.0
586425.0	70.9	19	2	1081.0	1614.0	-
110279.0	59.9	19	1	1477.0	-	-
262642.0	81.6	19	2	1544.0	1025.0	-

Type 5 Radar Waveform_13

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
877303.0	84.0	7	3	1360.0	1134.0	1754.0
1202302.0	54.2	7	1	1307.0	-	-
193086.0	82.9	7	2	1068.0	1946.0	-
515298.0	84.7	7	3	1401.0	1303.0	1426.0
838135.0	68.2	7	2	1707.0	1687.0	-
1159738.0	99.4	7	3	1100.0	1440.0	1942.0
153349.0	67.5	7	2	1439.0	1531.0	-
476460.0	55.7	7	1	1695.0	-	-
798288.0	68.5	7	2	1805.0	1783.0	-

Type 5 Radar Waveform_14

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
776558.0	63.0	11	1	1743.0	—	—
78662.0	56.9	11	1	1913.0	—	—
302181.0	52.0	11	1	1583.0	—	—
524898.0	76.2	11	2	1050.0	1891.0	—
746851.0	84.6	11	3	1683.0	1448.0	1297.0
51160.0	62.8	11	1	1604.0	—	—
274792.0	53.2	11	1	1116.0	—	—
498457.0	52.0	11	1	1004.0	—	—
720904.0	74.5	11	2	1412.0	1104.0	—
23579.0	75.8	11	2	1896.0	1747.0	—
246214.0	97.6	11	3	1372.0	1761.0	1841.0
469259.0	98.4	11	3	1320.0	1605.0	1312.0
692467.0	87.0	11	3	1323.0	1295.0	1141.0

Type 5 Radar Waveform_15

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1081034.0	96.7	9	3	1562.0	1768.0	1955.0
259250.0	82.8	9	2	1804.0	1202.0	—
523814.0	64.7	9	1	1523.0	—	—
788031.0	56.8	9	1	1514.0	—	—
1049415.0	88.1	9	3	1519.0	1691.0	1233.0
226358.0	90.0	9	3	1869.0	1086.0	1932.0
491478.0	57.4	9	1	1060.0	—	—
753644.0	86.0	9	3	1164.0	1447.0	1560.0
1019606.0	55.7	9	1	1613.0	—	—
194458.0	62.4	9	1	1838.0	—	—
457481.0	93.5	9	3	1193.0	1979.0	1304.0

Type 5 Radar Waveform_16							
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	
610229.0	96.7	11	3	1054.0	1235.0	1238.0	
831974.0	86.8	11	3	1727.0	1322.0	1884.0	
136560.0	91.1	11	3	1343.0	1308.0	1943.0	
359260.0	91.6	11	3	1715.0	1079.0	1956.0	
582852.0	70.1	11	2	1974.0	1405.0	-	
805870.0	69.9	11	2	1457.0	1965.0	-	
109448.0	61.4	11	1	1837.0	-	-	
331729.0	94.5	11	3	1855.0	1559.0	1602.0	
555448.0	79.4	11	2	1931.0	1329.0	-	
777847.0	89.5	11	3	1878.0	1008.0	1184.0	
81708.0	96.7	11	3	1433.0	1844.0	1017.0	
304868.0	81.5	11	2	1319.0	1991.0	-	
528750.0	53.3	11	1	1900.0	-	-	
Type 5 Radar Waveform_17							
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	
514278.0	64.7	18	1	1742.0	-	-	
37130.0	69.1	18	2	1704.0	1151.0	-	
190150.0	53.1	18	1	1083.0	-	-	
342202.0	71.3	18	2	1451.0	1219.0	-	
495829.0	66.0	18	1	1275.0	-	-	
18360.0	68.6	18	2	1416.0	1029.0	-	
170427.0	95.1	18	3	1549.0	1133.0	1667.0	
323894.0	62.3	18	1	1736.0	-	-	
475408.0	83.3	18	2	1960.0	1418.0	-	
627148.0	97.1	18	3	1058.0	1257.0	1682.0	
152470.0	57.6	18	1	1119.0	-	-	
305039.0	50.1	18	1	1816.0	-	-	
457024.0	69.9	18	2	1138.0	1713.0	-	
610483.0	61.4	18	1	1848.0	-	-	
133606.0	61.2	18	1	1261.0	-	-	
285596.0	77.5	18	2	1366.0	1834.0	-	
437239.0	98.3	18	3	1508.0	1680.0	1101.0	
590727.0	82.6	18	2	1214.0	1637.0	-	
114745.0	57.2	18	1	1428.0	-	-	

Type 5 Radar Waveform_18

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
422842.0	94.6	10	3	1045.0	1969.0	1177.0
666270.0	58.5	10	1	1324.0	-	-
906438.0	79.6	10	2	1646.0	1923.0	-
151571.0	97.8	10	3	1498.0	1334.0	1408.0
393322.0	71.8	10	2	1918.0	1694.0	-
636367.0	61.7	10	1	1431.0	-	-
877018.0	81.9	10	2	1481.0	1693.0	-
122163.0	54.6	10	1	1464.0	-	-
364495.0	64.4	10	1	1036.0	-	-
606694.0	53.1	10	1	1171.0	-	-
848019.0	68.9	10	2	1195.0	1061.0	-
92081.0	97.6	10	3	1282.0	1493.0	1406.0

Type 5 Radar Waveform_19

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
333426.0	100.0	9	3	1987.0	1020.0	1689.0
576749.0	51.3	9	1	1353.0	-	-
818596.0	61.4	9	1	1788.0	-	-
62316.0	92.1	9	3	1772.0	1543.0	1123.0
304190.0	69.0	9	2	1260.0	1802.0	-
545049.0	86.9	9	3	1625.0	1970.0	1165.0
786501.0	86.2	9	3	1163.0	1875.0	1628.0
32632.0	70.0	9	2	1483.0	1175.0	-
273937.0	87.1	9	3	1330.0	1478.0	1966.0
515891.0	67.4	9	2	1978.0	1673.0	-
758495.0	81.2	9	2	1125.0	1266.0	-
2840.0	63.3	9	1	1563.0	-	-

Type 5 Radar Waveform_20

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
266729.0	89.8	8	3	1654.0	1198.0	1035.0
529955.0	83.4	8	3	1664.0	1541.0	1525.0
793106.0	91.4	8	3	1807.0	1494.0	1815.0
1059623.0	50.2	8	1	1850.0	-	-
234763.0	58.5	8	1	1533.0	-	-
499069.0	50.1	8	1	1318.0	-	-
762265.0	66.9	8	2	1645.0	1192.0	-
1026772.0	81.2	8	2	1096.0	1089.0	-
202146.0	56.8	8	1	1920.0	-	-
465339.0	89.4	8	3	1355.0	1221.0	1496.0
728911.0	86.9	8	3	1395.0	1072.0	1636.0

Type 5 Radar Waveform_21

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1091331.0	94.8	7	3	1827.0	1516.0	1624.0
186106.0	85.2	7	3	1126.0	1995.0	1998.0
476765.0	71.3	7	2	1671.0	1283.0	—
767007.0	81.3	7	2	1589.0	1489.0	—
1059128.0	59.5	7	1	1006.0	—	—
150430.0	84.1	7	3	1941.0	1876.0	1144.0
441550.0	64.0	7	1	1471.0	—	—
730982.0	80.6	7	2	1540.0	1976.0	—
1023271.0	59.1	7	1	1051.0	—	—
115041.0	64.4	7	1	1708.0	—	—

Type 5 Radar Waveform_22

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
404787.0	99.5	7	3	1274.0	1679.0	1348.0
696229.0	57.6	7	1	1810.0	—	—
984791.0	98.8	7	3	1887.0	1007.0	1389.0
79289.0	58.5	7	1	1013.0	—	—
369626.0	69.3	7	2	1454.0	1034.0	—
659058.0	92.3	7	3	1077.0	1524.0	1706.0
949496.0	90.6	7	3	1241.0	1038.0	1468.0
43462.0	62.1	7	1	1227.0	—	—
334001.0	62.5	7	1	1951.0	—	—
623819.0	70.1	7	2	1537.0	1845.0	—

Type 5 Radar Waveform_23

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
506735.0	77.2	17	2	1717.0	1554.0	—
4232.0	77.4	17	2	1733.0	1822.0	—
165622.0	66.2	17	1	1285.0	—	—
326940.0	58.0	17	1	1403.0	—	—
486110.0	88.4	17	3	1414.0	1212.0	1744.0
648304.0	70.4	17	2	1702.0	1064.0	—
145236.0	81.7	17	2	1893.0	1714.0	—
305419.0	96.2	17	3	1959.0	1555.0	1458.0
468235.0	64.3	17	1	1657.0	—	—
626026.0	86.2	17	3	1915.0	1801.0	1633.0
125276.0	87.8	17	3	1592.0	1176.0	1642.0
286087.0	90.7	17	3	1044.0	1149.0	1770.0
448795.0	60.6	17	1	1023.0	—	—
609527.0	64.4	17	1	1795.0	—	—
105957.0	66.6	17	1	1484.0	—	—
267472.0	56.9	17	1	1018.0	—	—
426470.0	97.7	17	3	1234.0	1813.0	1762.0
590248.0	55.5	17	1	1137.0	—	—

Type 5 Radar Waveform_24

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
154817.0	76.6	8	2	1853.0	1870.0	—
444466.0	85.9	8	3	1910.0	1774.0	1346.0
735365.0	73.1	8	2	1757.0	1513.0	—
1023811.0	86.8	8	3	1921.0	1879.0	1569.0
119117.0	72.0	8	2	1912.0	1425.0	—
409046.0	99.0	8	3	1385.0	1459.0	1370.0
699100.0	90.3	8	3	1157.0	1279.0	1712.0
990340.0	75.8	8	2	1180.0	1507.0	—
83300.0	92.6	8	3	1059.0	1394.0	1856.0
373417.0	91.7	8	3	1286.0	1344.0	1280.0

Type 5 Radar Waveform_25							
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	
441639.0	89.2	14	3	1259.0	1002.0	1606.0	
636636.0	57.8	14	1	1472.0	—	—	
31706.0	76.3	14	2	1258.0	1963.0	—	
224840.0	69.1	14	2	1823.0	1790.0	—	
417839.0	94.4	14	3	1506.0	1188.0	1204.0	
611663.0	69.2	14	2	1486.0	1442.0	—	
7921.0	59.7	14	1	1396.0	—	—	
201102.0	67.4	14	2	1565.0	1833.0	—	
394345.0	68.9	14	2	1503.0	1812.0	—	
588953.0	63.3	14	1	1435.0	—	—	
779846.0	93.0	14	3	1169.0	1162.0	1944.0	
176934.0	89.2	14	3	1649.0	1548.0	1867.0	
371358.0	52.3	14	1	1566.0	—	—	
564424.0	67.9	14	2	1383.0	1001.0	—	
758626.0	66.3	14	1	1590.0	—	—	

Type 5 Radar Waveform_26

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
144058.0	73.0	15	2	1273.0	1154.0	—
324919.0	76.6	15	2	1797.0	1662.0	—
507210.0	58.8	15	1	1643.0	—	—
686309.0	97.1	15	3	1240.0	1315.0	1697.0
121347.0	84.4	15	3	1820.0	1919.0	1009.0
302230.0	91.9	15	3	1249.0	1787.0	1379.0
485138.0	62.3	15	1	1203.0	—	—
664329.0	94.6	15	3	1185.0	1461.0	1270.0
99233.0	85.1	15	3	1306.0	1299.0	1015.0
279778.0	85.5	15	3	1947.0	1178.0	1763.0
461604.0	76.6	15	2	1326.0	1760.0	—
641910.0	97.1	15	3	1109.0	1584.0	1374.0
76942.0	90.4	15	3	1255.0	1229.0	1073.0
258517.0	55.3	15	1	1997.0	—	—
439303.0	67.2	15	2	1436.0	1630.0	—
620424.0	67.7	15	2	1511.0	1596.0	—

Type 5 Radar Waveform_27

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
54815.0	62.6	15	1	1208.0	—	—
235911.0	77.8	15	2	1676.0	1145.0	—
416034.0	90.0	15	3	1794.0	1024.0	1957.0
599323.0	56.9	15	1	1593.0	—	—
32414.0	56.4	15	1	1928.0	—	—
213971.0	59.8	15	1	1487.0	—	—
394708.0	68.6	15	2	1482.0	1521.0	—
574931.0	96.4	15	3	1746.0	1337.0	1148.0
10029.0	91.4	15	3	1860.0	1120.0	1650.0
191595.0	54.7	15	1	1542.0	—	—
371519.0	99.3	15	3	1718.0	1429.0	1607.0
551893.0	88.1	15	3	1809.0	1865.0	1581.0
733018.0	84.4	15	3	1128.0	1818.0	1800.0
169283.0	62.6	15	1	1333.0	—	—
349435.0	87.4	15	3	1982.0	1220.0	1167.0
530556.0	83.5	15	3	1140.0	1248.0	1585.0

Type 5 Radar Waveform_28							
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	
1429500.0	55.2	5	1	1112.0	—	—	
293718.0	70.5	5	2	1462.0	1796.0	—	
656494.0	99.0	5	3	1237.0	1168.0	1380.0	
1020002.0	72.3	5	2	1808.0	1052.0	—	
1382807.0	81.5	5	2	1849.0	1336.0	—	
249123.0	78.7	5	2	1410.0	1130.0	—	
612580.0	58.2	5	1	1864.0	—	—	
973863.0	99.9	5	3	1495.0	1881.0	1655.0	
Type 5 Radar Waveform_29							
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	
1189167.0	76.8	7	2	1842.0	1265.0	—	
181742.0	63.3	7	1	1785.0	—	—	
504045.0	91.3	7	3	1166.0	1215.0	1091.0	
826335.0	83.6	7	3	1709.0	1062.0	1093.0	
1149760.0	67.7	7	2	1413.0	1309.0	—	
141764.0	72.2	7	2	1888.0	1765.0	—	
464654.0	69.4	7	2	1262.0	1243.0	—	
788260.0	62.0	7	1	1088.0	—	—	
1111311.0	51.7	7	1	1161.0	—	—	

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

Type 6 Radar Waveform_0

Frequency List (MHz)	0	1	2	3	4
0	5403	5466	5394	5517	5407
5	5686	5644	5575	5400	5345
10	5657	5540	5381	5618	5441
15	5349	5406	5341	5371	5643
20	5291	5373	5457	5388	5691
25	5287	5596	5613	5599	5253
30	5365	5307	5678	5685	5597
35	5295	5504	5259	5284	5534
40	5563	5612	5710	5681	5430
45	5334	5395	5302	5559	5665
50	5619	5631	5588	5382	5280
55	5256	5648	5467	5437	5281
60	5701	5397	5327	5600	5684
65	5421	5368	5396	5667	5659
70	5427	5501	5598	5683	5704
75	5617	5641	5401	5456	5556
80	5541	5676	5650	5567	5383
85	5498	5433	5542	5444	5532
90	5258	5660	5604	5555	5375
95	5699	5413	5723	5472	5574

Type 6 Radar Waveform_1

Frequency List (MHz)	0	1	2	3	4
0	5658	5705	5330	5678	5724
5	5253	5569	5650	5563	5649
10	5588	5426	5422	5338	5462
15	5437	5533	5347	5416	5360
20	5299	5539	5495	5380	5664
25	5553	5448	5341	5325	5287
30	5407	5293	5635	5425	5371
35	5590	5546	5350	5555	5687
40	5477	5451	5415	5522	5670
45	5331	5324	5660	5642	5626
50	5672	5421	5464	5525	5433
55	5369	5460	5675	5361	5530
60	5575	5526	5492	5516	5344
65	5314	5694	5616	5614	5454
70	5573	5471	5698	5532	5680
75	5576	5513	5424	5333	5554
80	5457	5717	5252	5693	5336
85	5481	5601	5377	5278	5540
90	5327	5673	5357	5489	5629
95	5260	5545	5585	5720	5584

Type 6 Radar Waveform_2

Frequency List (MHz)	0	1	2	3	4
0	5438	5469	5266	5364	5295
5	5591	5250	5251	5381	5422
10	5690	5463	5533	5483	5525
15	5660	5450	5461	5552	5307
20	5608	5436	5637	5441	5397
25	5447	5429	5321	5546	5657
30	5592	5543	5523	5313	5685
35	5448	5365	5391	5387	5498
40	5460	5338	5328	5631	5640
45	5684	5308	5340	5701	5484
50	5555	5283	5522	5452	5375
55	5720	5394	5643	5655	5587
60	5348	5645	5260	5420	5565
65	5349	5346	5508	5457	5656
70	5535	5482	5544	5470	5418
75	5585	5664	5713	5406	5315
80	5377	5413	5336	5323	5467
85	5344	5566	5568	5625	5573
90	5705	5333	5252	5369	5506
95	5341	5540	5564	5404	5488

Type 6 Radar Waveform_3						
Frequency List (MHz)	0	1	2	3	4	
0	5596	5708	5677	5525	5311	
5	5434	5516	5325	5414	5588	
10	5353	5479	5504	5253	5690	
15	5553	5409	5366	5693	5299	
20	5377	5461	5610	5329	5724	
25	5650	5533	5355	5546	5549	
30	5283	5297	5608	5349	5629	
35	5719	5615	5402	5701	5581	
40	5398	5578	5560	5620	5333	
45	5267	5681	5573	5691	5535	
50	5644	5466	5640	5435	5591	
55	5517	5309	5347	5532	5655	
60	5471	5303	5718	5514	5408	
65	5656	5616	5689	5339	5443	
70	5326	5705	5632	5494	5354	
75	5664	5613	5399	5265	5570	
80	5378	5277	5714	5262	5430	
85	5536	5619	5296	5395	5437	
90	5478	5264	5438	5446	5451	
95	5602	5583	5331	5274	5251	

Type 6 Radar Waveform_4

Frequency List (MHz)	0	1	2	3	4
0	5376	5472	5613	5686	5531
5	5476	5538	5400	5480	5417
10	5284	5268	5545	5448	5525
15	5604	5342	5656	5454	5558
20	5701	5465	5415	5550	5583
25	5595	5576	5378	5637	5389
30	5630	5532	5506	5498	5449
35	5331	5488	5720	5515	5293
40	5316	5540	5286	5336	5343
45	5322	5489	5600	5416	5703
50	5259	5460	5470	5578	5586
55	5258	5404	5313	5353	5283
60	5625	5410	5438	5512	5477
65	5584	5394	5724	5444	5463
70	5391	5508	5492	5411	5429
75	5329	5457	5511	5453	5323
80	5309	5281	5380	5517	5312
85	5275	5274	5425	5617	5579
90	5490	5631	5399	5573	5646
95	5591	5560	5345	5698	5697

Type 6 Radar Waveform_5

Frequency List (MHz)	0	1	2	3	4
0	5631	5711	5549	5372	5373
5	5518	5463	5475	5643	5624
10	5593	5532	5586	5546	5692
15	5469	5284	5499	5275	5709
20	5534	5356	5542	5556	5483
25	5525	5581	5363	5423	5294
30	5421	5713	5698	5626	5530
35	5336	5311	5446	5705	5379
40	5369	5274	5486	5416	5321
45	5580	5286	5312	5250	5346
50	5279	5637	5347	5702	5257
55	5541	5712	5340	5704	5459
60	5470	5677	5519	5695	5670
65	5267	5412	5480	5303	5295
70	5512	5332	5306	5487	5292
75	5429	5327	5458	5422	5531
80	5326	5601	5271	5620	5617
85	5453	5348	5419	5314	5448
90	5635	5579	5599	5654	5374
95	5390	5307	5657	5676	5304

Type 6 Radar Waveform_6

Frequency List (MHz)	0	1	2	3	4
0	5411	5475	5485	5533	5593
5	5657	5550	5331	5356	5524
10	5418	5627	5266	5567	5305
15	5596	5290	5544	5467	5620
20	5700	5297	5631	5529	5274
25	5377	5309	5457	5336	5407
30	5420	5375	5446	5669	5427
35	5679	5696	5716	5315	5452
40	5687	5251	5413	5250	5560
45	5582	5344	5365	5612	5697
50	5358	5688	5428	5579	5254
55	5666	5530	5523	5430	5599
60	5367	5464	5723	5618	5616
65	5468	5361	5419	5433	5573
70	5652	5498	5432	5630	5463
75	5371	5639	5470	5439	5546
80	5435	5312	5490	5664	5268
85	5340	5520	5360	5416	5540
90	5610	5578	5667	5609	5415
95	5454	5364	5708	5671	5429

Type 6 Radar Waveform_7

Frequency List (MHz)	0	1	2	3	4
0	5569	5714	5421	5694	5435
5	5699	5410	5625	5494	5660
10	5455	5682	5668	5461	5588
15	5296	5723	5393	5492	5659
20	5628	5294	5335	5623	5502
25	5637	5326	5415	5571	5491
30	5378	5377	5624	5644	5333
35	5518	5475	5374	5630	5629
40	5535	5557	5540	5665	5305
45	5418	5402	5476	5534	5264
50	5622	5251	5523	5442	5720
55	5304	5253	5532	5409	5555
60	5444	5669	5310	5265	5465
65	5376	5346	5484	5479	5439
70	5330	5608	5572	5516	5420
75	5323	5545	5568	5654	5252
80	5423	5677	5635	5575	5343
85	5332	5580	5460	5606	5721
90	5342	5688	5358	5505	5643
95	5388	5541	5391	5362	5495

Type 6 Radar Waveform_8

Frequency List (MHz)	0	1	2	3	4
0	5349	5478	5357	5283	5655
5	5266	5432	5700	5560	5392
10	5289	5471	5331	5656	5609
15	5384	5278	5496	5537	5376
20	5636	5460	5276	5712	5475
25	5428	5653	5618	5675	5525
30	5517	5660	5334	5311	5301
35	5464	5375	5706	5271	5527
40	5544	5468	5715	5563	5256
45	5407	5486	5423	5273	5363
50	5352	5710	5315	5711	5549
55	5370	5533	5477	5338	5539
60	5275	5382	5697	5451	5484
65	5270	5605	5492	5259	5394
70	5260	5557	5418	5567	5535
75	5328	5415	5480	5692	5659
80	5401	5343	5412	5640	5519
85	5439	5443	5583	5591	5627
90	5466	5603	5354	5327	5500
95	5622	5491	5361	5389	5465

Type 6 Radar Waveform_9

Frequency List (MHz)	0	1	2	3	4
0	5604	5717	5293	5444	5497
5	5308	5357	5300	5723	5599
10	5695	5260	5372	5376	5630
15	5472	5405	5582	5568	5547
20	5529	5692	5704	5448	5316
25	5505	5346	5401	5559	5646
30	5291	5526	5550	5662	5514
35	5322	5639	5302	5555	5307
40	5323	5404	5399	5415	5403
45	5356	5421	5427	5554	5703
50	5411	5366	5325	5314	5721
55	5431	5528	5358	5511	5387
60	5396	5668	5551	5693	5683
65	5430	5627	5360	5587	5553
70	5538	5391	5449	5337	5705
75	5382	5255	5605	5410	5475
80	5637	5326	5458	5499	5544
85	5408	5634	5364	5350	5435
90	5577	5388	5463	5344	5594
95	5423	5398	5601	5484	5677

Type 6 Radar Waveform_10

Frequency List (MHz)	0	1	2	3	4
0	5384	5481	5704	5605	5717
5	5447	5379	5375	5411	5428
10	5626	5524	5413	5474	5651
15	5560	5532	5702	5530	5285
20	5555	5695	5633	5318	5421
25	5679	5454	5549	5505	5593
30	5601	5535	5723	5644	5482
35	5653	5435	5455	5469	5621
40	5406	5342	5639	5498	5722
45	5383	5439	5382	5480	5441
50	5579	5587	5417	5511	5573
55	5636	5434	5385	5718	5692
60	5640	5552	5341	5623	5494
65	5594	5516	5632	5466	5517
70	5422	5638	5659	5539	5404
75	5270	5682	5321	5360	5373
80	5363	5507	5303	5386	5574
85	5538	5634	5267	5300	5462
90	5276	5588	5612	5645	5600
95	5575	5611	5475	5361	5649

Type 6 Radar Waveform_11

Frequency List (MHz)	0	1	2	3	4
0	5639	5720	5640	5291	5559
5	5489	5304	5450	5574	5635
10	5460	5410	5454	5669	5672
15	5551	5659	5708	5575	5563
20	5289	5671	5310	5394	5470
25	5306	5277	5609	5627	5265
30	5424	5680	5384	5476	5317
35	5504	5706	5608	5383	5557
40	5280	5404	5495	5651	5363
45	5522	5440	5533	5358	5288
50	5468	5600	5396	5580	5622
55	5339	5433	5374	5566	5717
60	5286	5455	5320	5540	5581
65	5405	5349	5692	5441	5256
70	5525	5641	5253	5721	5290
75	5480	5516	5344	5284	5316
80	5642	5263	5698	5631	5462
85	5704	5617	5356	5716	5385
90	5368	5645	5530	5584	5378
95	5488	5325	5577	5626	5520

Type 6 Radar Waveform_12

Frequency List (MHz)	0	1	2	3	4
0	5322	5484	5576	5452	5304
5	5531	5326	5525	5640	5367
10	5391	5674	5495	5389	5693
15	5639	5311	5336	5620	5291
20	5474	5455	5612	5399	5464
25	5358	5255	5383	5713	5661
30	5307	5410	5637	5599	5628
35	5500	5359	5595	5502	5394
40	5396	5669	5644	5492	5483
45	5343	5605	5498	5586	5593
50	5709	5519	5689	5694	5427
55	5335	5293	5623	5668	5537
60	5407	5328	5287	5718	5486
65	5540	5627	5441	5559	5584
70	5719	5425	5608	5266	5577
75	5697	5600	5562	5325	5536
80	5426	5423	5286	5657	5607
85	5556	5485	5451	5633	5566
90	5587	5582	5412	5284	5472
95	5567	5344	5428	5300	5672

Type 6 Radar Waveform_13

Frequency List (MHz)	0	1	2	3	4
0	5577	5723	5512	5613	5621
5	5573	5251	5600	5328	5574
10	5700	5463	5536	5584	5714
15	5252	5341	5439	5665	5483
20	5482	5524	5553	5391	5437
25	5624	5582	5586	5695	5349
30	5299	5594	5339	5402	5320
35	5498	5308	5395	5710	5277
40	5631	5312	5489	5412	5323
45	5688	5459	5639	5383	5585
50	5640	5570	5303	5517	5371
55	5523	5722	5338	5487	5508
60	5455	5572	5273	5691	5544
65	5432	5266	5576	5380	5379
70	5425	5497	5269	5426	5673
75	5559	5606	5720	5705	5306
80	5313	5679	5494	5528	5474
85	5510	5398	5545	5643	5549
90	5644	5406	5386	5620	5593
95	5616	5672	5509	5456	5465

Type 6 Radar Waveform_14

Frequency List (MHz)	0	1	2	3	4
0	5357	5584	5448	5299	5366
5	5712	5273	5675	5491	5403
10	5631	5252	5577	5304	5260
15	5340	5468	5542	5613	5490
20	5690	5591	5480	5410	5512
25	5434	5314	5543	5254	5488
30	5663	5551	5457	5554	5518
35	5637	5399	5666	5689	5697
40	5549	5360	5569	5552	5486
45	5341	5681	5296	5517	5692
50	5270	5461	5621	5392	5718
55	5693	5711	5676	5528	5684
60	5479	5262	5523	5467	5475
65	5564	5525	5416	5601	5271
70	5703	5580	5272	5653	5649
75	5575	5365	5276	5384	5460
80	5658	5412	5669	5510	5337
85	5508	5417	5598	5557	5310
90	5696	5553	5339	5526	5394
95	5440	5363	5680	5634	5387

Type 6 Radar Waveform_15

Frequency List (MHz)	0	1	2	3	4
0	5612	5348	5384	5363	5683
5	5279	5673	5275	5654	5610
10	5562	5516	5618	5402	5281
15	5428	5595	5645	5658	5392
20	5401	5381	5532	5472	5383
25	5303	5517	5647	5288	5530
30	5649	5508	5672	5328	5338
35	5679	5490	5462	5464	5708
40	5485	5540	5507	5317	5580
45	5648	5661	5379	5575	5535
50	5715	5578	5541	5637	5327
55	5630	5621	5503	5353	5713
60	5427	5638	5355	5293	5421
65	5290	5474	5452	5433	5506
70	5263	5566	5372	5502	5625
75	5477	5447	5388	5419	5365
80	5720	5659	5716	5347	5572
85	5522	5389	5413	5568	5455
90	5382	5552	5330	5404	5475
95	5702	5587	5436	5448	5543

Type 6 Radar Waveform_16

Frequency List (MHz)	0	1	2	3	4
0	5295	5587	5320	5524	5428
5	5321	5695	5350	5720	5342
10	5396	5305	5281	5597	5302
15	5419	5722	5651	5703	5584
20	5409	5450	5473	5561	5356
25	5666	5710	5276	5322	5572
30	5538	5465	5412	5480	5536
35	5343	5581	5355	5617	5622
40	5324	5623	5445	5460	5577
45	5641	5462	5701	5422	5591
50	5693	5723	5667	5364	5484
55	5515	5336	5270	5592	5680
60	5662	5594	5367	5491	5423
65	5391	5643	5309	5432	5649
70	5375	5351	5504	5436	5416
75	5508	5346	5497	5294	5511
80	5635	5519	5316	5496	5531
85	5647	5250	5603	5578	5602
90	5640	5708	5696	5657	5505
95	5256	5541	5365	5714	5261

Type 6 Radar Waveform_17

Frequency List (MHz)	0	1	2	3	4
0	5550	5351	5256	5685	5270
5	5363	5620	5425	5408	5646
10	5327	5666	5322	5317	5323
15	5507	5374	5279	5273	5301
20	5417	5616	5511	5553	5329
25	5554	5659	5477	5259	5614
30	5524	5422	5627	5254	5356
35	5482	5672	5626	5295	5536
40	5638	5706	5286	5700	5574
45	5409	5621	5545	5594	5687
50	5467	5394	5299	5281	5662
55	5428	5703	5538	5526	5519
60	5399	5282	5625	5494	5517
65	5410	5314	5372	5427	5475
70	5587	5504	5635	5675	5480
75	5395	5288	5628	5608	5274
80	5307	5278	5578	5698	5516
85	5304	5316	5435	5591	5267
90	5690	5557	5330	5714	5558
95	5569	5674	5559	5489	5629

Type 6 Radar Waveform_18

Frequency List (MHz)	0	1	2	3	4
0	5330	5590	5667	5371	5490
5	5502	5642	5500	5571	5378
10	5258	5455	5363	5512	5344
15	5595	5404	5382	5696	5493
20	5328	5685	5452	5302	5345
25	5511	5554	5581	5293	5278
30	5413	5379	5270	5406	5621
35	5288	5422	5545	5547	5477
40	5314	5699	5465	5338	5601
45	5628	5652	5332	5574	5721
50	5570	5350	5370	5388	5275
55	5416	5492	5716	5644	5528
60	5447	5423	5343	5356	5515
65	5321	5366	5498	5673	5478
70	5427	5456	5354	5257	5273
75	5654	5308	5526	5417	5534
80	5267	5383	5596	5694	5277
85	5459	5558	5608	5599	5620
90	5495	5720	5678	5691	5614
95	5527	5402	5573	5331	5412

Type 6 Radar Waveform_19

Frequency List (MHz)	0	1	2	3	4
0	5585	5354	5603	5532	5332
5	5544	5567	5575	5259	5719
10	5404	5707	5365	5683	5531
15	5485	5266	5307	5336	5376
20	5393	5634	5275	5708	5460
25	5282	5685	5327	5320	5302
30	5655	5374	5663	5476	5693
35	5698	5461	5316	5494	5637
40	5705	5568	5267	5581	5711
45	5613	5385	5364	5597	5271
50	5401	5556	5686	5694	5604
55	5349	5431	5632	5615	5657
60	5612	5515	5255	5644	5338
65	5270	5402	5517	5390	5571
70	5607	5578	5276	5432	5313
75	5296	5322	5289	5681	5527
80	5315	5446	5413	5594	5651
85	5523	5562	5372	5440	5660
90	5348	5529	5720	5690	5669
95	5554	5425	5381	5674	5455

Type 6 Radar Waveform_20					
Frequency List (MHz)	0	1	2	3	4
0	5365	5593	5539	5693	5552
5	5586	5589	5650	5422	5414
10	5498	5508	5445	5330	5386
15	5674	5658	5588	5311	5499
20	5344	5431	5723	5312	5485
25	5314	5361	5362	5288	5293
30	5700	5332	5572	5327	5567
35	5376	5375	5252	5577	5575
40	5373	5565	5574	5464	5319
45	5671	5438	5251	5473	5447
50	5452	5645	5509	5541	5317
55	5303	5621	5451	5302	5557
60	5562	5694	5660	5374	5439
65	5690	5581	5600	5408	5272
70	5573	5416	5465	5270	5458
75	5540	5571	5595	5410	5511
80	5597	5533	5271	5391	5613
85	5620	5638	5350	5354	5563
90	5602	5324	5250	5724	5538
95	5323	5360	5653	5634	5378
Type 6 Radar Waveform_21					
Frequency List (MHz)	0	1	2	3	4
0	5523	5357	5475	5379	5394
5	5628	5514	5250	5488	5621
10	5429	5297	5486	5525	5407
15	5287	5310	5594	5259	5691
20	5255	5611	5372	5715	5696
25	5387	5639	5688	5418	5395
30	5501	5652	5440	5581	5392
35	5466	5658	5382	5626	5386
40	5566	5660	5513	5613	5659
45	5503	5444	5402	5254	5516
50	5349	5623	5332	5485	5408
55	5257	5336	5648	5557	5467
60	5502	5393	5291	5362	5643
65	5377	5559	5455	5511	5676
70	5584	5449	5384	5706	5445
75	5536	5251	5710	5650	5352
80	5662	5572	5500	5375	5540
85	5463	5356	5567	5458	5515
90	5360	5364	5304	5619	5318
95	5717	5405	5473	5383	5371

Type 6 Radar Waveform_22

Frequency List (MHz)	0	1	2	3	4
0	5303	5596	5411	5443	5614
5	5292	5536	5325	5651	5353
10	5263	5658	5527	5720	5428
15	5375	5437	5697	5304	5408
20	5680	5313	5329	5669	5653
25	5588	5416	5619	5429	5543
30	5541	5682	5558	5258	5687
35	5508	5274	5300	5405	5365
40	5451	5378	5656	5335	5424
45	5485	5312	5447	5403	5603
50	5324	5554	5348	5533	5332
55	5686	5467	5431	5472	5632
60	5323	5316	5712	5563	5592
65	5413	5294	5347	5455	5583
70	5662	5684	5298	5665	5414
75	5654	5707	5487	5663	5608
80	5351	5257	5404	5426	5314
85	5600	5699	5618	5544	5366
90	5534	5269	5445	5381	5359
95	5691	5696	5671	5368	5362

Type 6 Radar Waveform_23

Frequency List (MHz)	0	1	2	3	4
0	5558	5360	5347	5604	5456
5	5334	5461	5400	5339	5657
10	5669	5447	5568	5440	5449
15	5463	5467	5325	5349	5600
20	5271	5371	5254	5321	5642
25	5541	5522	5723	5585	5527
30	5639	5298	5507	5410	5647
35	5365	5546	5457	5689	5719
40	5448	5389	5618	5653	5264
45	5404	5273	5500	5668	5479
50	5605	5437	5356	5276	5309
55	5640	5619	5286	5402	5601
60	5322	5489	5630	5617	5658
65	5289	5636	5277	5270	5687
70	5525	5714	5383	5301	5700
75	5688	5515	5320	5401	5718
80	5403	5631	5563	5275	5664
85	5572	5317	5476	5370	5469
90	5471	5529	5554	5398	5414
95	5587	5589	5578	5514	5394

Type 6 Radar Waveform_24

Frequency List (MHz)	0	1	2	3	4
0	5338	5599	5283	5290	5676
5	5376	5483	5475	5502	5389
10	5503	5711	5706	5635	5470
15	5454	5594	5428	5394	5317
20	5657	5440	5292	5410	5615
25	5429	5250	5352	5497	5724
30	5416	5596	5513	5659	5705
35	5311	5553	5342	5610	5700
40	5655	5531	5286	5650	5668
45	5384	5651	5331	5555	5355
50	5656	5623	5654	5598	5334
55	5373	5255	5487	5434	5462
60	5443	5701	5587	5490	5388
65	5336	5509	5439	5349	5256
70	5312	5374	5690	5486	5324
75	5368	5291	5516	5408	5645
80	5679	5383	5301	5438	5306
85	5473	5467	5532	5565	5674
90	5535	5505	5411	5566	5415
95	5469	5557	5617	5689	5571

Type 6 Radar Waveform_25

Frequency List (MHz)	0	1	2	3	4
0	5496	5363	5694	5451	5518
5	5418	5505	5550	5568	5596
10	5434	5500	5272	5258	5491
15	5542	5721	5531	5342	5509
20	5665	5606	5708	5402	5588
25	5695	5716	5453	5456	5291
30	5305	5553	5253	5433	5428
35	5450	5644	5613	5385	5614
40	5494	5643	5526	5647	5364
45	5259	5389	5345	5706	5377
50	5707	5712	5477	5685	5548
55	5524	5302	5344	5384	5652
60	5379	5294	5366	5313	5439
65	5424	5304	5717	5315	5698
70	5666	5445	5699	5444	5414
75	5671	5421	5426	5271	5446
80	5298	5633	5684	5412	5586
85	5562	5497	5577	5338	5397
90	5700	5481	5442	5293	5675
95	5529	5720	5269	5353	5583

Type 6 Radar Waveform_26

Frequency List (MHz)	0	1	2	3	4
0	5276	5602	5630	5612	5263
5	5557	5430	5625	5256	5425
10	5365	5289	5313	5453	5512
15	5373	5537	5387	5323	5673
20	5297	5649	5491	5561	5583
25	5568	5656	5657	5565	5333
30	5291	5510	5371	5585	5723
35	5492	5260	5409	5538	5528
40	5319	5581	5266	5429	5344
45	5342	5350	5659	5707	5485
50	5553	5283	5326	5678	5389
55	5398	5502	5714	5596	5693
60	5513	5324	5601	5667	5593
65	5611	5388	5363	5378	5574
70	5520	5590	5703	5415	5547
75	5642	5404	5571	5564	5253
80	5448	5531	5682	5435	5606
85	5295	5353	5684	5254	5646
90	5279	5628	5586	5692	5390
95	5487	5476	5309	5546	5579

Type 6 Radar Waveform_27						
Frequency List (MHz)	0	1	2	3	4	
0	5531	5366	5566	5298	5580	
5	5599	5452	5700	5419	5632	
10	5674	5650	5354	5648	5533	
15	5718	5500	5640	5432	5515	
20	5584	5687	5483	5534	5374	
25	5517	5384	5286	5472	5655	
30	5467	5586	5359	5446	5631	
35	5351	5302	5691	5442	5647	
40	5402	5519	5434	5263	5261	
45	5702	5425	5408	5712	5497	
50	5361	5254	5334	5415	5501	
55	5333	5456	5429	5664	5545	
60	5507	5530	5493	5539	5337	
65	5399	5685	5466	5323	5284	
70	5311	5418	5299	5521	5363	
75	5540	5684	5603	5709	5641	
80	5463	5669	5292	5645	5587	
85	5571	5609	5330	5582	5555	
90	5413	5435	5321	5563	5634	
95	5717	5278	5300	5451	5430	

Type 6 Radar Waveform_28

Frequency List (MHz)	0	1	2	3	4
0	5311	5605	5502	5459	5325
5	5641	5377	5300	5582	5364
10	5439	5395	5368	5554	5709
15	5530	5268	5477	5707	5592
20	5532	5628	5572	5507	5262
25	5369	5490	5390	5633	5514
30	5424	5326	5511	5266	5295
35	5442	5573	5466	5453	5486
40	5485	5457	5674	5260	5665
45	5682	5508	5668	5384	5712
50	5430	5385	5601	5324	5655
55	5677	5410	5619	5612	5635
60	5672	5362	5416	5286	5435
65	5517	5261	5504	5356	5297
70	5518	5623	5497	5322	5412
75	5271	5690	5654	5719	5288
80	5257	5289	5365	5510	5669
85	5566	5673	5536	5607	5710
90	5720	5596	5447	5695	5580
95	5689	5701	5651	5279	5379

Type 6 Radar Waveform_29

Frequency List (MHz)	0	1	2	3	4
0	5566	5369	5438	5620	5642
5	5305	5399	5375	5648	5571
10	5536	5703	5436	5466	5575
15	5322	5657	5371	5425	5424
20	5600	5601	5569	5564	5480
25	5528	5318	5693	5494	5667
30	5556	5530	5284	5541	5285
35	5561	5337	5533	5619	5367
40	5422	5665	5395	5439	5257
45	5594	5662	5591	5427	5721
50	5649	5588	5606	5690	5622
55	5599	5390	5364	5712	5431
60	5328	5362	5256	5669	5717
65	5361	5710	5374	5252	5628
70	5307	5525	5283	5521	5472
75	5473	5281	5381	5352	5414
80	5671	5254	5289	5500	5355
85	5417	5664	5560	5490	5632
90	5587	5433	5410	5602	5481
95	5577	5539	5597	5269	5685

Appendix B - Test Setup Photograph

Refer to “2306RSU040-UT” file.

Appendix C - EUT Photograph

Refer to “2306RSU040-UE” file.

The End
