DFS MEASUREMENT REPORT

FCC ID:	Q9DAPIN0635A
Applicant:	Hewlett Packard Enterprise Company
Product:	ACCESS POINT
Model No.:	APIN0635A
Trademark:	Hewlett Packard Enterprise , HPE aruba networking
FCC Classification:	Unlicensed National Information Infrastructure (NII)
FCC Rule Part(s):	Part 15 Subpart E (Section 15.407)
Type of Device:	Master
Result:	Complies
Received Date:	2024-11-14
Test Date:	2025-01-24

Reviewed By: Jame Yuan

Approved By: Robin Wu

ACCREDITED
TESTING LABORATORY
CERTIFICATE #3628.01

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
2411RSU027-U7	V01	Initial Report	2025-02-08	Valid

Note 1: The APIN0635A is a variation on the existing APIN0635. The APIN0635 is currently FCC certified under FCC ID: Q9DAPIN0635.

The APIN0635A differs from the APIN0635 in the following ways:

Part substitution for 5G and 6G passive filter

Note 2: Spot-check tests were done on Statistical Performance Check item for 802.11ax-HE80 channel 5530MHz and all other test data was referenced from the original report no. 2101TW0003-U5.

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1. General Information

1.1. Applicant

Hewlett Packard Enterprise Company

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

1.2. Manufacturer

Hewlett Packard Enterprise Company

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.	APIN0635A
Serial No.	CNT2MLV058
Software Version	ArubaOS_10.7.2.0_91489
Wi-Fi Specification	802.11a/b/g/n/ac/ax
Bluetooth Specification	v5.0 single mode, BLE only
ZigBee Specification	802.15.4
Antenna Information	Refer to Section 1.7
Power Type	AC Adapter or PoE input
Operating Environment	Indoor Use
Remark: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

1.5. Radio Specification under Test

Frequency Range	For 802.11a/n-HT20/ac-VHT20/ax-HE20: 5180~5240MHz, 5260~5320MHz, 5500~5720MHz, 5745~5825MHz For 802.11n-HT40/ac-VHT40/ax-HE40: 5190~5230MHz, 5270~5310MHz, 5510~5710MHz, 5755~5795MHz For 802.11ac-VHT80/ax-HE80: 5210MHz, 5290MHz, 5530MHz, 5610 MHz, 5690MHz, 5775MHz
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

Antenna Type	Frequency Band (GHz)	Max Peak Gain (dBi)	CDD Directional Gain (dBi)		BF Directional Gain (dBi)
			For Power	For PSD	
Wi-Fi Internal Antenna (2*2 MIMO)					
PIFA	2.4 ~ 2.5	2.90	2.90	5.91	5.91
	5.15 ~ 5.9	4.90	4.90	7.91	7.91
	5.9 ~ 7.2	4.30	4.30	4.30	4.30
Bluetooth / ZigBee Internal Antenna					
PIFA	2.4 ~ 2.5	3.0			

Note:

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

For CDD transmissions, directional gain is calculated as follows, N_{ANT} = 2, N_{SS} = 1.

If all antennas have the same gain, G_{ANT}, Directional gain = G_{ANT} + 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 = 3.01;

- For power measurements on IEEE 802.11 devices,

  Array Gain = 0 dB for $N_{ANT} \leq 4$;

2. The EUT also supports Beam Forming mode, and the Beam Forming support 802.11n/ac/ax, not include 802.11a/b/g. Directional gain = G_{ANT} + BF Gain. BF mode power setting will be less than or equal to CDD power setting.
3. Wi-Fi 6E band antennas are cross polarized, the detail refer to antenna specification.
4. All antenna information is provided by the manufacturer, test laboratory will not be responsible if any error.

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 ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

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

3.4. Parameters of DFS Test Signals

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

Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 3-6	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{\text{PRI}_{\text{usec}}}\right)\right\}$	60%	30
		Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

Table 3-5: Parameters for Short Pulse Radar Waveforms

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

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

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

Long Pulse Radar Test Waveform

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

Table 3-7: Parameters for Long Pulse Radar Waveforms

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

Frequency Hopping Radar Test Waveform

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

Table 3-8: Parameters for Frequency Hopping Radar Waveforms

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

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

3.5. Conducted Test Setup

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

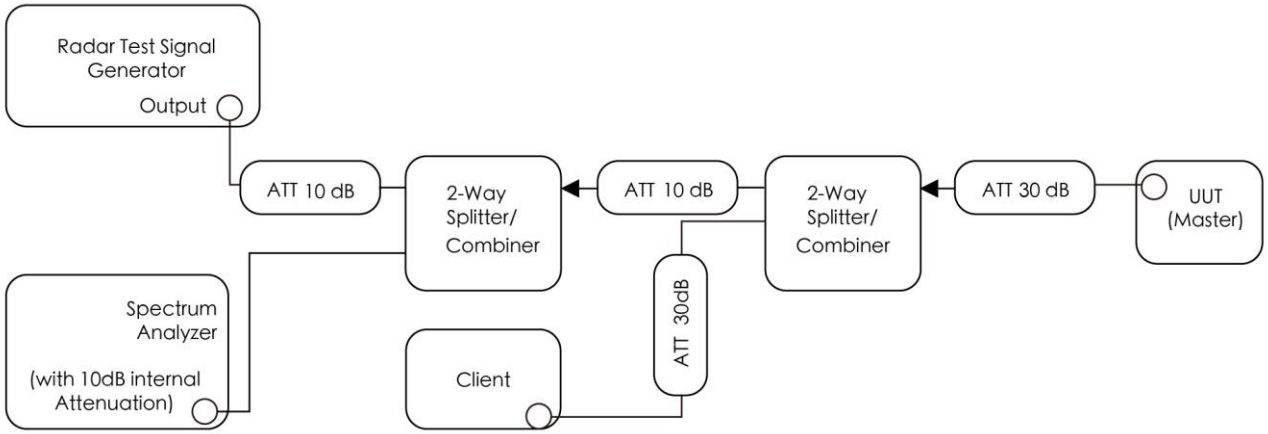


Figure 3-1: Conducted Test Setup where UUT is a Master and Radar Test Waveforms are injected into the Master

4. Measuring Instrument

Instrument Name	Manufacturer	Model No.	Asset No.	Cali. Interval	Cal. Due Date	Test Site
Shielding Room	HUAMING	WZ-SR4	MRTSUE06441	N/A	N/A	WZ-SR4
Signal Generator	Keysight	N5182B	MRTSUE06451	1 year	2025-06-03	WZ-SR4
Signal Analyzer	Keysight	N9010B	MRTSUE07027	1 year	2025-10-13	WZ-SR4
Thermohygrometer	testo	608-H1	MRTSUE11256	1 year	2025-10-16	WZ-SR4
Attenuator	MVE	MVE2213	MRTSUE11092	1 year	2025-06-05	WZ-SR4

Client Information

Instrument	Manufacturer	Type No.	Certification Number
Wi-Fi Module	Intel	BE200NGW	FCC ID: PD9BE200NG

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

5. Test Result

5.1. Summary

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

5.2. Radar Waveform Calibration Measurement

5.2.1. Calibration Setup

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

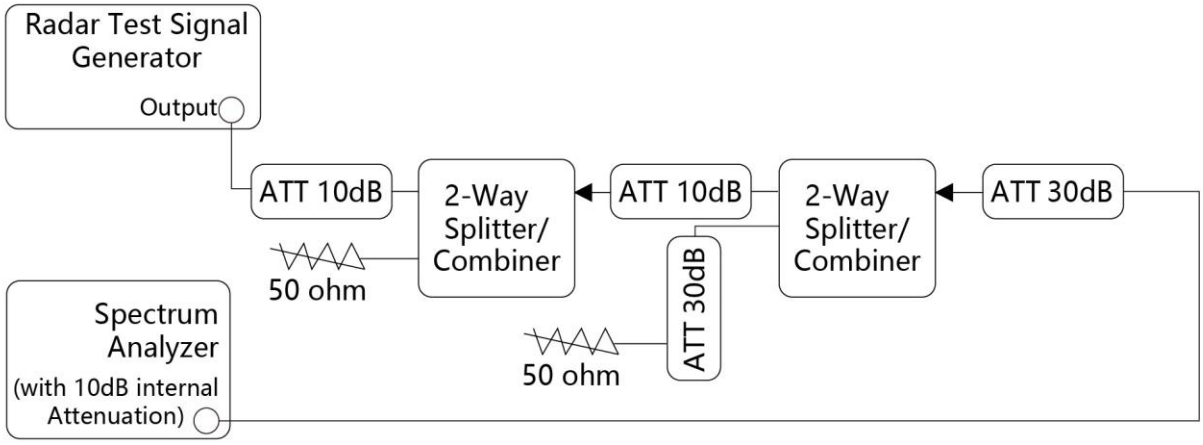


Figure 3-2: Conducted Test Setup

5.2.2. Calibration Procedure

The Interference Radar Detection Threshold Level is (-64dBm) + (4.08) [dBi] + 1 dB= -58.92 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 lower than threshold level. Capture the spectrum analyzer plots on short pulse radar types, long pulse radar type and hopping radar waveform.

5.2.3. Calibration & Channel Loading Result

Refer to 2411RSU027-U15 Clause 5.2.3, spot check test data refer to Appendix A.1&A.2 in this report.

5.3. NII Detection Bandwidth Measurement

5.3.1. Test Limit

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

5.3.2. Test Procedure

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

EUT does not comply with DFS requirements.

5.3.3. Test Result

Refer to 2411RSU027-U15 Clause 5.3.3.

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 minutes sweep time. The spectrum analyzer's sweep will be started at the same time power is applied to the U-NII device.
2. The EUT should not transmit any beacon or data transmissions until at least 1 minute after the completion of the power-on cycle.
3. Confirm that the EUT initiates transmission on the channel. Measurement system showing its nominal noise floor is marker1.

5.4.3. Test Result

Refer to 2411RSU027-U15 Clause 5.4.3.

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

5.5.1. Test Limit

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

5.5.2. Test Procedure

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

5.5.3. Test Result

Refer to 2411RSU027-U15 Clause 5.5.3.

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

5.6.1. Test Limit

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

5.6.2. Test Procedure

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

5.6.3. Test Result

Refer to 2411RSU027-U15 Clause 5.6.3.

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 minutes during which a Channel will not be utilized after a Radar Waveform is detected on that Channel.

5.7.2. Test Procedure

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

5.7.3. Test Result

Refer to 2411RSU027-U15 Clause 5.7.3.

5.8. Statistical Performance Check Measurement

5.8.1. Test Limit

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

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

5.8.2. Test Procedure

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

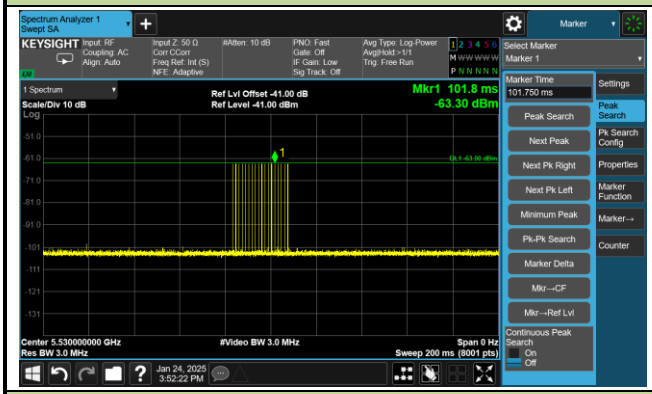
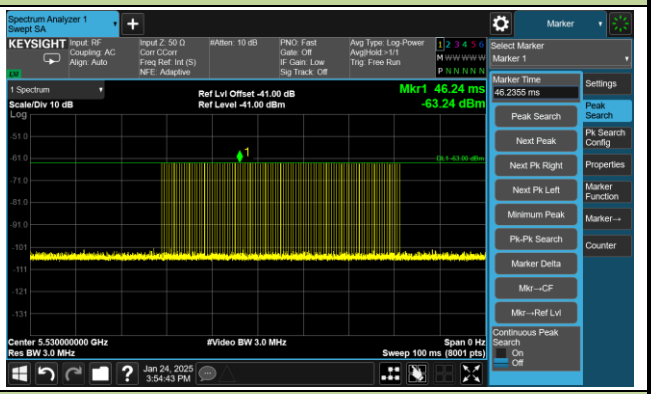
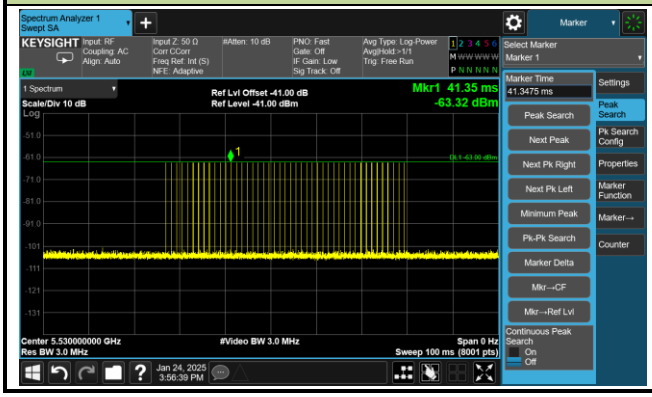
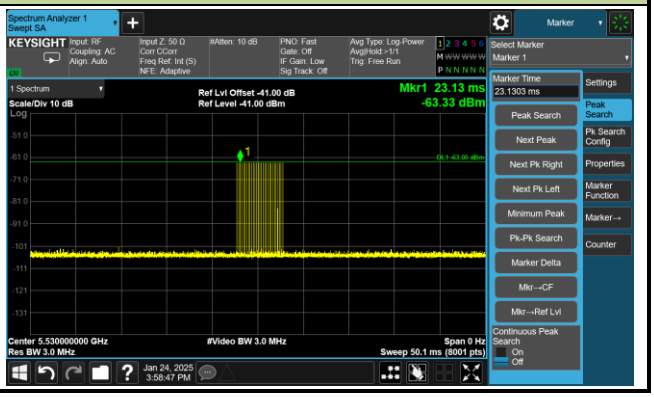
5.8.3. Test Result

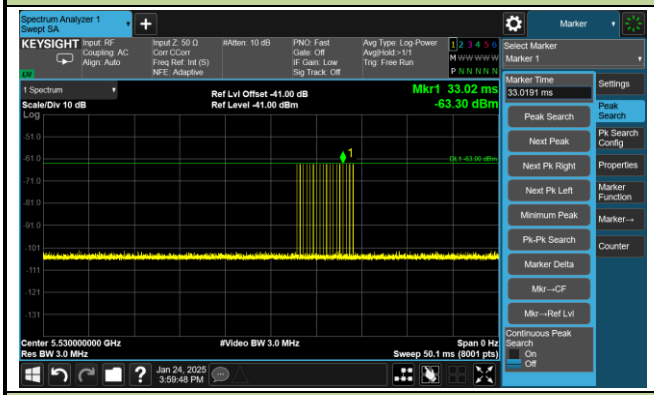
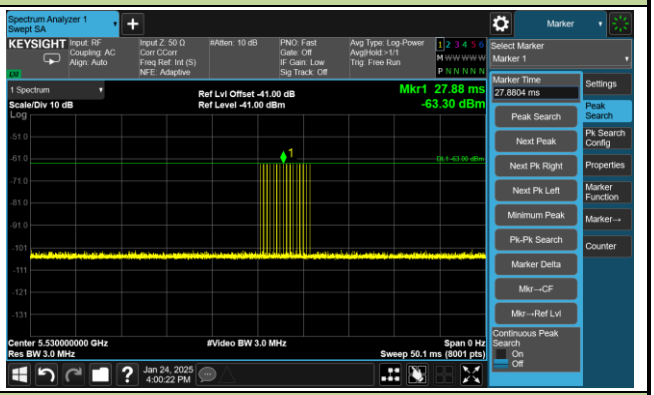
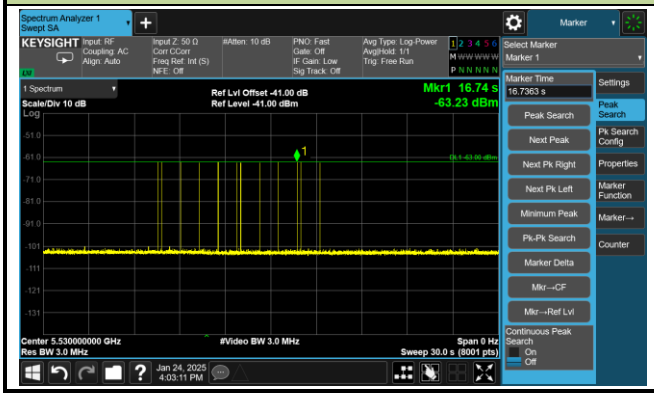
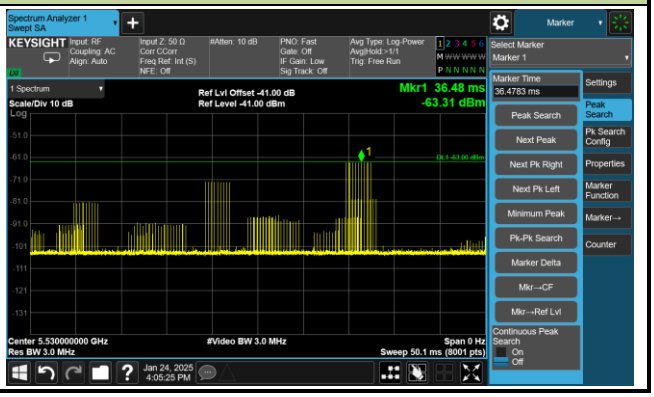
Refer to 2411RSU027-U15 Clause 5.8.3, spot check test data refer to Appendix A.3 in this report.

Appendix A – Test Result

A.1 Calibration Test Result

Test Site	WZ-SR4	Test Engineer	Jeff Yang
Test Date	2025-01-24	Test Item	Radar Waveform Calibration

Radar Waveform Calibration	
Radar #0	Radar #1(Test A) PRI = 558us and the number of pulses = 95
	
Radar #1(Test B) PRI = 1192us and the number of pulses = 45	Radar #2
	

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

A.2 Channel Loading Test Result

Test Site	WZ-SR4	Test Engineer	Jeff Yang
Test Date	2025-01-24	Test Item	Channel Loading

802.11ax-HE80 (5530MHz)

Test Mode	Test Frequency	Packet ratio	Requirement ratio	Test Result
802.11ax-HE80	5530 MHz	19.10%	≥ 17%	Pass

Note: System testing was performed with the designated iperf test file. This file is used by IP and Frame based systems for loading the test channel during the In-service compliance testing of the U-NII device.

Packet ratio = Time On / (Time On + Off Time).

A.3 Statistical Performance Check

Test Site	WZ-SR4	Test Engineer	Jeff Yang
Test Date	2025-01-24		
Test Item	Radar Statistical Performance Check (802.11ax-HE80 – 5553MHz)		

Radar Type 1-4 - Radar Statistical Performance								
Trial	Radar Type 1		Radar Type 2		Radar Type 3		Radar Type 4	
	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect
0	5537	1	5539	0	5549	0	5514	1
1	5511	1	5566	0	5571	0	5501	1
2	5497	1	5493	1	5530	1	5513	1
3	5530	1	5490	1	5569	1	5490	1
4	5490	1	5559	1	5517	1	5530	1
5	5515	1	5551	1	5514	1	5557	0
6	5567	1	5503	0	5490	0	5570	1
7	5517	1	5502	1	5556	1	5518	1
8	5499	1	5570	1	5528	1	5517	1
9	5529	1	5500	1	5570	1	5503	1
10	5565	0	5499	1	5534	0	5506	1
11	5507	1	5567	1	5495	1	5505	1
12	5493	1	5546	1	5555	1	5528	1
13	5570	1	5494	1	5543	1	5549	1
14	5542	1	5527	1	5520	1	5502	1
15	5500	1	5514	1	5529	1	5507	1
16	5561	1	5531	1	5537	1	5544	0
17	5498	1	5512	1	5561	1	5554	1
18	5555	1	5517	0	5548	1	5508	0
19	5554	1	5563	1	5560	0	5497	1
20	5569	1	5505	1	5500	1	5550	0
21	5547	1	5506	1	5524	1	5510	0
22	5524	1	5510	0	5504	1	5556	1
23	5518	1	5550	1	5505	0	5525	1
24	5540	1	5530	1	5513	1	5540	1
25	5531	1	5501	1	5523	1	5537	1
26	5543	1	5508	1	5498	1	5559	1

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
27	5533	1	5525	1	5527	1	5564	1
28	5566	1	5523	1	5501	0	5539	1
29	5503	1	5498	1	5518	1	5504	1
Probability:	96.7%		83.3%		76.7%		83.3%	
Aggregate:	**85% (>80%)**							

Radar Type 1 - Radar Waveform

	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	1	Type 1	1.0	618.0	86	53148.0
Download	2	Type 1	1.0	598.0	89	53222.0
Download	3	Type 1	1.0	558.0	95	53010.0
Download	4	Type 1	1.0	658.0	81	53298.0
Download	5	Type 1	1.0	898.0	59	52982.0
Download	6	Type 1	1.0	738.0	72	53136.0
Download	7	Type 1	1.0	858.0	62	53196.0
Download	8	Type 1	1.0	538.0	99	53262.0
Download	9	Type 1	1.0	678.0	78	52884.0
Download	10	Type 1	1.0	718.0	74	53132.0
Download	11	Type 1	1.0	778.0	68	52904.0
Download	12	Type 1	1.0	878.0	61	53558.0
Download	13	Type 1	1.0	578.0	92	53176.0
Download	14	Type 1	1.0	938.0	57	53466.0
Download	15	Type 1	1.0	2758.0	20	55160.0
Download	16	Type 1	1.0	2050.0	26	53300.0
Download	17	Type 1	1.0	1623.0	33	53559.0
Download	18	Type 1	1.0	526.0	101	53126.0
Download	19	Type 1	1.0	774.0	69	53406.0
Download	20	Type 1	1.0	1105.0	48	53040.0
Download	21	Type 1	1.0	1922.0	28	53816.0
Download	22	Type 1	1.0	1521.0	35	53235.0
Download	23	Type 1	1.0	1709.0	31	52979.0
Download	24	Type 1	1.0	820.0	65	53300.0
Download	25	Type 1	1.0	2791.0	19	53029.0
Download	26	Type 1	1.0	1541.0	35	53935.0
Download	27	Type 1	1.0	2225.0	24	53400.0
Download	28	Type 1	1.0	1192.0	45	53640.0
Download	29	Type 1	1.0	2316.0	23	53268.0

Radar Type 2 - Radar Waveform

	Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
Download	0	Type 2	3.6	223.0	27	6021.0
Download	1	Type 2	4.8	180.0	29	5220.0
Download	2	Type 2	2.6	220.0	25	5500.0
Download	3	Type 2	2.5	187.0	25	4675.0
Download	4	Type 2	3.4	151.0	27	4077.0
Download	5	Type 2	3.0	167.0	26	4342.0
Download	6	Type 2	1.7	214.0	24	5136.0
Download	7	Type 2	4.9	229.0	29	6641.0
Download	8	Type 2	4.3	156.0	28	4368.0
Download	9	Type 2	4.4	162.0	28	4536.0
Download	10	Type 2	3.3	184.0	27	4968.0
Download	11	Type 2	4.4	207.0	28	5796.0
Download	12	Type 2	2.1	169.0	25	4225.0
Download	13	Type 2	2.2	179.0	25	4475.0
Download	14	Type 2	2.7	203.0	26	5278.0
Download	15	Type 2	4.7	181.0	29	5249.0
Download	16	Type 2	2.4	161.0	25	4025.0
Download	17	Type 2	2.2	224.0	25	5600.0
Download	18	Type 2	1.2	226.0	23	5198.0
Download	19	Type 2	1.6	205.0	24	4920.0
Download	20	Type 2	3.0	190.0	26	4940.0
Download	21	Type 2	1.8	166.0	24	3984.0
Download	22	Type 2	2.1	197.0	24	4728.0
Download	23	Type 2	1.7	165.0	24	3960.0
Download	24	Type 2	2.5	177.0	25	4425.0
Download	25	Type 2	2.7	163.0	26	4238.0
Download	26	Type 2	4.3	174.0	28	4872.0
Download	27	Type 2	4.1	152.0	28	4256.0
Download	28	Type 2	4.6	196.0	29	5684.0
Download	29	Type 2	3.2	212.0	26	5512.0

Radar Type 3 - Radar Waveform

	Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
Download	0	Type 3	8.6	274.0	17	4658.0
Download	1	Type 3	9.8	364.0	18	6552.0
Download	2	Type 3	7.6	415.0	17	7055.0
Download	3	Type 3	7.5	330.0	17	5610.0
Download	4	Type 3	8.4	424.0	17	7208.0
Download	5	Type 3	8.0	241.0	17	4097.0
Download	6	Type 3	6.7	467.0	16	7472.0
Download	7	Type 3	9.9	210.0	18	3780.0
Download	8	Type 3	9.3	249.0	18	4482.0
Download	9	Type 3	9.4	485.0	18	8730.0
Download	10	Type 3	8.3	451.0	17	7667.0
Download	11	Type 3	9.4	206.0	18	3708.0
Download	12	Type 3	7.1	310.0	16	4960.0
Download	13	Type 3	7.2	377.0	16	6032.0
Download	14	Type 3	7.7	425.0	17	7225.0
Download	15	Type 3	9.7	416.0	18	7488.0
Download	16	Type 3	7.4	259.0	17	4403.0
Download	17	Type 3	7.2	438.0	16	7008.0
Download	18	Type 3	6.2	270.0	16	4320.0
Download	19	Type 3	6.6	355.0	16	5680.0
Download	20	Type 3	8.0	216.0	17	3672.0
Download	21	Type 3	6.8	494.0	16	7904.0
Download	22	Type 3	7.1	387.0	16	6192.0
Download	23	Type 3	6.7	358.0	16	5728.0
Download	24	Type 3	7.5	280.0	17	4760.0
Download	25	Type 3	7.7	217.0	17	3689.0
Download	26	Type 3	9.3	266.0	18	4788.0
Download	27	Type 3	9.1	475.0	18	8550.0
Download	28	Type 3	9.6	312.0	18	5616.0
Download	29	Type 3	8.2	346.0	17	5882.0

Radar Type 4 - Radar Waveform

	Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
Download	0	Type 4	16.9	274.0	15	4110.0
Download	1	Type 4	19.5	364.0	16	5824.0
Download	2	Type 4	14.5	415.0	13	5395.0
Download	3	Type 4	14.4	330.0	13	4290.0
Download	4	Type 4	16.5	424.0	15	6360.0
Download	5	Type 4	15.5	241.0	14	3374.0
Download	6	Type 4	12.5	467.0	12	5604.0
Download	7	Type 4	19.6	210.0	16	3360.0
Download	8	Type 4	18.3	249.0	16	3984.0
Download	9	Type 4	18.7	485.0	16	7760.0
Download	10	Type 4	16.2	451.0	14	6314.0
Download	11	Type 4	18.5	206.0	16	3296.0
Download	12	Type 4	13.6	310.0	13	4030.0
Download	13	Type 4	13.6	377.0	13	4901.0
Download	14	Type 4	14.9	425.0	14	5950.0
Download	15	Type 4	19.2	416.0	16	6656.0
Download	16	Type 4	14.1	259.0	13	3367.0
Download	17	Type 4	13.7	438.0	13	5694.0
Download	18	Type 4	11.4	270.0	12	3240.0
Download	19	Type 4	12.4	355.0	12	4260.0
Download	20	Type 4	15.6	216.0	14	3024.0
Download	21	Type 4	12.8	494.0	13	6422.0
Download	22	Type 4	13.5	387.0	13	5031.0
Download	23	Type 4	12.7	358.0	12	4296.0
Download	24	Type 4	14.4	280.0	13	3640.0
Download	25	Type 4	14.9	217.0	14	3038.0
Download	26	Type 4	18.3	266.0	16	4256.0
Download	27	Type 4	18.0	475.0	15	7125.0
Download	28	Type 4	19.0	312.0	16	4992.0
Download	29	Type 4	15.9	346.0	14	4844.0

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	5497.6	1
1	5530.0	1	16	5494.0	1
2	5530.0	1	17	5493.6	0
3	5530.0	1	18	5492.0	0
4	5530.0	1	19	5492.8	0
5	5530.0	1	20	5564.8	1
6	5530.0	1	21	5566.8	1
7	5530.0	1	22	5566.4	1
8	5530.0	1	23	5566.8	1
9	5530.0	1	24	5565.6	1
10	5495.6	0	25	5565.6	1
11	5497.2	1	26	5562.8	1
12	5493.6	1	27	5563.2	1
13	5493.6	1	28	5562.4	1
14	5494.4	1	29	5564.8	1
Detection Percentage (%)			**86.7%**		

Type 5 Radar Waveform_0							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	666847.0	82.5	15	2	1892.0	1552.0	-
1	101303.0	97.2	15	3	1127.0	1352.0	1340.0
2	282371.0	69.5	15	2	1901.0	1665.0	-
3	463595.0	69.0	15	2	1718.0	1541.0	-
4	644905.0	80.3	15	2	1441.0	1585.0	-
5	79033.0	74.9	15	2	1622.0	1996.0	-
6	260930.0	58.5	15	1	1103.0	-	-
7	440538.0	97.7	15	3	1491.0	1292.0	1743.0
8	622084.0	90.6	15	3	1131.0	1128.0	1373.0
9	56682.0	92.5	15	3	1682.0	1472.0	1163.0
10	237850.0	79.0	15	2	1952.0	1370.0	-
11	418378.0	91.7	15	3	1205.0	1944.0	1181.0
12	601278.0	64.6	15	1	1778.0	-	-
13	34546.0	64.8	15	1	1258.0	-	-
14	215815.0	71.4	15	2	1361.0	1022.0	-
15	395489.0	95.4	15	3	1816.0	1955.0	1712.0

Type 5 Radar Waveform_1							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	461412.0	67.5	20	2	1888.0	1767.0	-
1	9733.0	65.0	20	1	1610.0	-	-
2	154956.0	52.6	20	1	1242.0	-	-
3	300156.0	57.8	20	1	1278.0	-	-
4	443806.0	75.5	20	2	1928.0	1446.0	-
5	590839.0	60.3	20	1	1009.0	-	-
6	136985.0	64.2	20	1	1606.0	-	-
7	281979.0	59.6	20	1	1894.0	-	-
8	426185.0	69.0	20	2	1688.0	1401.0	-
9	570954.0	71.5	20	2	1452.0	1638.0	-
10	118416.0	90.7	20	3	1873.0	1939.0	1274.0
11	263091.0	88.8	20	3	1269.0	1726.0	1210.0
12	407250.0	94.1	20	3	1080.0	1966.0	1655.0
13	552352.0	77.1	20	2	1972.0	1949.0	-
14	100611.0	90.1	20	3	1976.0	1537.0	1765.0
15	246536.0	63.0	20	1	1183.0	-	-
16	389922.0	90.8	20	3	1224.0	1600.0	1180.0
17	537029.0	53.0	20	1	1150.0	-	-
18	83436.0	58.1	20	1	1032.0	-	-
19	228092.0	73.7	20	2	1406.0	1229.0	-

Type 5 Radar Waveform_2							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	575087.0	53.5	11	1	1997.0	-	-
1	797964.0	78.3	11	2	1142.0	1447.0	-
2	100458.0	85.2	11	3	1489.0	1716.0	1812.0
3	323281.0	98.1	11	3	1058.0	1684.0	1806.0
4	546952.0	68.7	11	2	1492.0	1545.0	-
5	771663.0	63.1	11	1	1158.0	-	-
6	73186.0	75.0	11	2	1321.0	1755.0	-
7	295623.0	99.4	11	3	1343.0	1998.0	1885.0
8	519747.0	66.8	11	2	1175.0	1365.0	-
9	743732.0	50.5	11	1	1640.0	-	-
10	45790.0	57.5	11	1	1295.0	-	-
11	268376.0	85.5	11	3	1557.0	1391.0	1683.0
12	491061.0	85.6	11	3	1828.0	1382.0	1547.0

Type 5 Radar Waveform_3							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	773628.0	84.7	11	3	1761.0	1251.0	1673.0
1	19716.0	94.4	11	3	1485.0	1644.0	1195.0
2	261663.0	77.6	11	2	1132.0	1419.0	-
3	502819.0	86.7	11	3	1279.0	1366.0	1407.0
4	745348.0	70.4	11	2	1597.0	1143.0	-
5	987225.0	72.9	11	2	1484.0	1245.0	-
6	231767.0	72.2	11	2	1860.0	1115.0	-
7	473928.0	83.0	11	2	1137.0	1098.0	-
8	716739.0	59.9	11	1	1090.0	-	-
9	955855.0	100.0	11	3	1149.0	1866.0	1357.0
10	202361.0	58.7	11	1	1100.0	-	-
11	443039.0	84.3	11	3	1801.0	1056.0	1808.0

Type 5 Radar Waveform_4

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	548350.0	69.7	14	2	1141.0	1430.0	-
1	742500.0	53.5	14	1	1766.0	-	-
2	137965.0	63.5	14	1	1176.0	-	-
3	331748.0	52.3	14	1	1072.0	-	-
4	525354.0	66.0	14	1	1313.0	-	-
5	718879.0	50.9	14	1	1516.0	-	-
6	114071.0	61.5	14	1	1379.0	-	-
7	307730.0	56.6	14	1	1461.0	-	-
8	499852.0	97.7	14	3	1589.0	1064.0	1275.0
9	692592.0	91.8	14	3	1519.0	1770.0	1021.0
10	89931.0	89.3	14	3	1405.0	1073.0	1399.0
11	283403.0	79.9	14	2	1076.0	1713.0	-
12	477523.0	54.5	14	1	1498.0	-	-
13	668270.0	89.2	14	3	1449.0	1671.0	1846.0
14	66343.0	62.4	14	1	1524.0	-	-

Type 5 Radar Waveform_5							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	277758.0	85.3	12	3	1254.0	1031.0	1840.0
1	486255.0	64.9	12	1	1285.0	-	-
2	691938.0	92.9	12	3	1223.0	1168.0	1225.0
3	45448.0	68.4	12	2	1230.0	1833.0	-
4	253099.0	64.0	12	1	1337.0	-	-
5	460619.0	55.1	12	1	1412.0	-	-
6	667753.0	53.2	12	1	1934.0	-	-
7	19973.0	59.3	12	1	1344.0	-	-
8	226913.0	82.7	12	2	1738.0	1931.0	-
9	434875.0	62.5	12	1	1764.0	-	-
10	641846.0	76.3	12	2	1026.0	1385.0	-
11	848766.0	70.3	12	2	1096.0	1697.0	-
12	201423.0	80.2	12	2	1728.0	1912.0	-
13	407743.0	85.9	12	3	1985.0	1570.0	1507.0

Type 5 Radar Waveform_6							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	861607.0	90.8	7	3	1964.0	1803.0	1312.0
1	1150903.0	93.7	7	3	1794.0	1971.0	1843.0
2	246850.0	78.4	7	2	1107.0	1294.0	-
3	537158.0	76.5	7	2	1540.0	1190.0	-
4	828045.0	63.8	7	1	1989.0	-	-
5	1116302.0	99.0	7	3	1068.0	1663.0	1720.0
6	211190.0	59.5	7	1	1734.0	-	-
7	502019.0	61.5	7	1	1228.0	-	-
8	789996.0	97.0	7	3	1822.0	1940.0	1645.0
9	1083060.0	50.7	7	1	1714.0	-	-

Type 5 Radar Waveform_7

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	87076.0	99.7	20	3	1937.0	1582.0	1590.0
1	231729.0	96.1	20	3	1145.0	1566.0	1438.0
2	377220.0	78.9	20	2	1048.0	1551.0	-
3	519702.0	87.9	20	3	1628.0	1864.0	1861.0
4	69372.0	93.0	20	3	1946.0	1046.0	1531.0
5	214847.0	55.1	20	1	1591.0	-	-
6	358343.0	97.8	20	3	1159.0	1271.0	1882.0
7	504337.0	82.1	20	2	1318.0	1192.0	-
8	51752.0	81.3	20	2	1455.0	1112.0	-
9	196956.0	60.5	20	1	1632.0	-	-
10	340902.0	87.0	20	3	1503.0	1162.0	1025.0
11	485839.0	68.1	20	2	1465.0	1841.0	-
12	33859.0	67.0	20	2	1826.0	1530.0	-
13	178618.0	81.5	20	2	1499.0	1676.0	-
14	322457.0	94.7	20	3	1695.0	1875.0	1284.0
15	468426.0	79.1	20	2	1320.0	1460.0	-
16	16087.0	66.5	20	1	1436.0	-	-
17	160572.0	94.3	20	3	1303.0	1364.0	1311.0
18	305351.0	80.8	20	2	1710.0	1829.0	-
19	449546.0	89.9	20	3	1374.0	1187.0	1595.0

Type 5 Radar Waveform_8

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	660267.0	89.8	17	3	1439.0	1125.0	1850.0
1	158937.0	80.6	17	2	1916.0	1222.0	-
2	319558.0	81.4	17	2	1910.0	1862.0	-
3	480686.0	70.7	17	2	1345.0	1936.0	-
4	643359.0	56.9	17	1	1440.0	-	-
5	138955.0	98.2	17	3	1347.0	1378.0	1171.0
6	300987.0	60.9	17	1	1045.0	-	-
7	461939.0	53.4	17	1	1740.0	-	-
8	620327.0	90.8	17	3	1657.0	1154.0	1999.0
9	118983.0	90.2	17	3	1156.0	1906.0	1792.0
10	280958.0	52.9	17	1	1386.0	-	-
11	441669.0	73.7	17	2	1099.0	1250.0	-
12	601667.0	67.9	17	2	1659.0	1925.0	-
13	99139.0	92.1	17	3	1805.0	1576.0	1960.0
14	260462.0	68.8	17	2	1546.0	1422.0	-
15	421355.0	68.0	17	2	1523.0	1563.0	-
16	583170.0	76.3	17	2	1027.0	1062.0	-
17	79852.0	65.4	17	1	1424.0	-	-

Type 5 Radar Waveform_9							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	228392.0	66.4	18	1	1647.0	-	-
1	380541.0	77.6	18	2	1594.0	1094.0	-
2	534469.0	64.7	18	1	1033.0	-	-
3	56516.0	94.2	18	3	1785.0	1005.0	1948.0
4	208714.0	89.0	18	3	1758.0	1123.0	1350.0
5	361277.0	69.6	18	2	1874.0	1641.0	-
6	512047.0	98.9	18	3	1817.0	1854.0	1746.0
7	37844.0	72.7	18	2	1982.0	1863.0	-
8	190400.0	76.6	18	2	1689.0	1129.0	-
9	341802.0	96.9	18	3	1675.0	1482.0	1664.0
10	495320.0	81.8	18	2	1393.0	1512.0	-
11	19067.0	84.7	18	3	1035.0	1721.0	1876.0
12	171361.0	82.5	18	2	1953.0	1800.0	-
13	324946.0	65.2	18	1	1198.0	-	-
14	476225.0	80.8	18	2	1919.0	1400.0	-
15	339.0	57.0	18	1	1932.0	-	-
16	153152.0	60.9	18	1	1501.0	-	-
17	305192.0	69.0	18	2	1259.0	1837.0	-
18	458604.0	64.6	18	1	1742.0	-	-

Type 5 Radar Waveform_10							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	775255.0	58.1	14	1	1314.0	-	-
1	170024.0	80.9	14	2	1193.0	1301.0	-
2	362132.0	94.8	14	3	1538.0	1878.0	1958.0
3	555432.0	94.2	14	3	1212.0	1722.0	1613.0
4	748302.0	94.3	14	3	1668.0	1781.0	1153.0
5	145862.0	91.4	14	3	1307.0	1637.0	1387.0
6	339101.0	91.2	14	3	1463.0	1050.0	1199.0
7	533753.0	57.6	14	1	1427.0	-	-
8	727313.0	63.3	14	1	1558.0	-	-
9	122556.0	50.1	14	1	1305.0	-	-
10	315673.0	75.0	14	2	1065.0	1736.0	-
11	509559.0	62.7	14	1	1954.0	-	-
12	702269.0	76.7	14	2	1415.0	1495.0	-
13	98665.0	52.8	14	1	1560.0	-	-
14	292486.0	51.0	14	1	1083.0	-	-

Type 5 Radar Waveform_11							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	403922.0	77.8	18	2	1040.0	1975.0	-
1	566038.0	53.2	18	1	1652.0	-	-
2	62140.0	75.1	18	2	1494.0	1973.0	-
3	222603.0	95.6	18	3	1768.0	1811.0	1030.0
4	383415.0	91.7	18	3	1167.0	1741.0	1282.0
5	546446.0	61.7	18	1	1317.0	-	-
6	42324.0	71.8	18	2	1661.0	1856.0	-
7	203076.0	84.2	18	3	1188.0	1533.0	1066.0
8	364272.0	71.6	18	2	1704.0	1306.0	-
9	526759.0	64.0	18	1	1077.0	-	-
10	22526.0	71.6	18	2	1342.0	1809.0	-
11	183848.0	56.1	18	1	1707.0	-	-
12	345344.0	57.6	18	1	1280.0	-	-
13	504100.0	87.7	18	3	1164.0	1872.0	1685.0
14	2697.0	92.9	18	3	1509.0	1575.0	1569.0
15	164098.0	60.9	18	1	1240.0	-	-
16	324650.0	81.1	18	2	1929.0	1019.0	-
17	483989.0	99.8	18	3	1627.0	1623.0	1930.0

Type 5 Radar Waveform_12							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	1061428.0	53.3	9	1	1372.0	-	-
1	235740.0	68.1	9	2	1681.0	1522.0	-
2	499133.0	84.5	9	3	1556.0	1462.0	1078.0
3	763870.0	71.6	9	2	1291.0	1166.0	-
4	1025534.0	83.4	9	3	1255.0	1791.0	1868.0
5	203329.0	70.4	9	2	1731.0	1028.0	-
6	467935.0	52.8	9	1	1140.0	-	-
7	729701.0	97.8	9	3	1834.0	1302.0	1779.0
8	995959.0	62.0	9	1	1777.0	-	-
9	170515.0	85.6	9	3	1744.0	1202.0	1763.0
10	434775.0	72.6	9	2	1375.0	1276.0	-

Type 5 Radar Waveform_13							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	699711.0	51.6	9	1	1095.0	-	-
1	960766.0	84.2	9	3	1177.0	1855.0	1747.0
2	138452.0	55.1	9	1	1669.0	-	-
3	402391.0	81.8	9	2	1120.0	1186.0	-
4	666054.0	81.5	9	2	1104.0	1786.0	-
5	928523.0	87.5	9	3	1963.0	1277.0	1300.0
6	105768.0	77.6	9	2	1670.0	1475.0	-
7	369383.0	81.9	9	2	1762.0	1978.0	-
8	634287.0	65.4	9	1	1626.0	-	-
9	897929.0	77.4	9	2	1267.0	1018.0	-
10	73401.0	52.9	9	1	1219.0	-	-

Type 5 Radar Waveform_14

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	284580.0	86.3	11	3	1911.0	1660.0	1182.0
1	507264.0	96.8	11	3	1257.0	1580.0	1986.0
2	731529.0	73.2	11	2	1039.0	1823.0	-
3	34517.0	80.1	11	2	1213.0	1053.0	-
4	257583.0	72.7	11	2	1351.0	1842.0	-
5	480197.0	85.3	11	3	1536.0	1135.0	1453.0
6	703165.0	83.6	11	3	1119.0	1404.0	1480.0
7	6996.0	69.9	11	2	1904.0	1920.0	-
8	230147.0	70.4	11	2	1138.0	1877.0	-
9	452612.0	89.3	11	3	1789.0	1584.0	1020.0
10	675394.0	93.9	11	3	1616.0	1038.0	1776.0
11	901072.0	62.9	11	1	1487.0	-	-
12	202636.0	73.3	11	2	1458.0	1666.0	-

Type 5 Radar Waveform_15

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	290013.0	84.7	19	3	1467.0	1615.0	1849.0
1	444397.0	66.6	19	1	1525.0	-	-
2	597353.0	56.1	19	1	1368.0	-	-
3	119677.0	69.8	19	2	1656.0	1346.0	-
4	272776.0	54.6	19	1	1504.0	-	-
5	423905.0	92.8	19	3	1034.0	1631.0	1331.0
6	576153.0	93.9	19	3	1315.0	1160.0	1478.0
7	100656.0	99.7	19	3	1435.0	1818.0	1266.0
8	253002.0	86.3	19	3	1235.0	1117.0	1511.0
9	407053.0	61.6	19	1	1059.0	-	-
10	557814.0	70.0	19	2	1884.0	1607.0	-
11	82172.0	79.9	19	2	1287.0	1324.0	-
12	235141.0	66.5	19	1	1474.0	-	-
13	386876.0	74.3	19	2	1559.0	1677.0	-
14	539326.0	76.2	19	2	1534.0	1636.0	-
15	63511.0	50.2	19	1	1333.0	-	-
16	216353.0	65.3	19	1	1367.0	-	-
17	368324.0	79.0	19	2	1290.0	1572.0	-
18	521768.0	65.7	19	1	1702.0	-	-

Type 5 Radar Waveform_16							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	70688.0	72.4	10	2	1281.0	1662.0	-
1	312885.0	50.3	10	1	1733.0	-	-
2	554453.0	81.9	10	2	1646.0	1063.0	-
3	795128.0	87.8	10	3	1256.0	1943.0	1012.0
4	40837.0	98.5	10	3	1653.0	1799.0	1055.0
5	283227.0	53.2	10	1	1152.0	-	-
6	523727.0	97.8	10	3	1891.0	1253.0	1338.0
7	766350.0	67.5	10	2	1016.0	1933.0	-
8	11136.0	64.2	10	1	1043.0	-	-
9	252615.0	92.1	10	3	1057.0	1513.0	1625.0
10	495308.0	65.1	10	1	1819.0	-	-
11	736447.0	83.3	10	2	1674.0	1433.0	-

Type 5 Radar Waveform_17							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	1068633.0	57.7	9	1	1883.0	-	-
1	243597.0	71.2	9	2	1232.0	1243.0	-
2	507420.0	81.8	9	2	1088.0	1723.0	-
3	770234.0	97.1	9	3	1410.0	1360.0	1571.0
4	1036932.0	64.8	9	1	1008.0	-	-
5	211102.0	81.3	9	2	1336.0	1029.0	-
6	475700.0	57.7	9	1	1010.0	-	-
7	738407.0	77.2	9	2	1437.0	1970.0	-
8	1002286.0	72.6	9	2	1839.0	1432.0	-
9	178185.0	83.5	9	3	1907.0	1106.0	1775.0
10	442989.0	53.2	9	1	1380.0	-	-

Type 5 Radar Waveform_18							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	970850.0	100.0	5	3	1635.0	1236.0	1488.0
1	1332934.0	85.1	5	3	1915.0	1870.0	1309.0
2	201123.0	53.1	5	1	1116.0	–	–
3	564599.0	50.2	5	1	1249.0	–	–
4	927729.0	56.1	5	1	1838.0	–	–
5	1291236.0	60.9	5	1	1658.0	–	–
6	156264.0	57.3	5	1	1890.0	–	–
7	518934.0	69.7	5	2	1869.0	1951.0	–

Type 5 Radar Waveform_19							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	706415.0	55.0	7	1	1408.0	–	–
1	996773.0	60.3	7	1	1814.0	–	–
2	89095.0	78.1	7	2	1146.0	1871.0	–
3	378973.0	90.6	7	3	1844.0	1473.0	1051.0
4	669808.0	72.9	7	2	1598.0	1239.0	–
5	961377.0	52.8	7	1	1316.0	–	–
6	53348.0	78.8	7	2	1299.0	1457.0	–
7	343985.0	57.7	7	1	1824.0	–	–
8	634633.0	66.5	7	1	1724.0	–	–
9	925113.0	56.9	7	1	1905.0	–	–

Type 5 Radar Waveform_20							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	12555.0	75.2	13	2	1000.0	1194.0	–
1	219878.0	79.6	13	2	1238.0	1069.0	–
2	427679.0	57.6	13	1	1353.0	–	–
3	633759.0	71.1	13	2	1739.0	1603.0	–
4	840755.0	78.4	13	2	1691.0	1729.0	–
5	194514.0	62.2	13	1	1542.0	–	–
6	402150.0	58.6	13	1	1273.0	–	–
7	608017.0	84.7	13	3	1431.0	1093.0	1148.0
8	816290.0	77.3	13	2	1004.0	1328.0	–
9	169040.0	61.3	13	1	1105.0	–	–
10	375603.0	68.9	13	2	1599.0	1898.0	–
11	583860.0	57.5	13	1	1708.0	–	–
12	791891.0	51.7	13	1	1102.0	–	–
13	142875.0	93.1	13	3	1339.0	1602.0	1690.0

Type 5 Radar Waveform_21							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	490311.0	88.9	8	3	1650.0	1832.0	1001.0
1	779821.0	97.2	8	3	1923.0	1735.0	1500.0
2	1071432.0	81.9	8	2	1421.0	1700.0	-
3	165110.0	52.6	8	1	1110.0	-	-
4	454848.0	95.3	8	3	1326.0	1362.0	1130.0
5	746432.0	53.0	8	1	1456.0	-	-
6	1034490.0	91.7	8	3	1592.0	1173.0	1725.0
7	129255.0	56.5	8	1	1464.0	-	-
8	420025.0	56.9	8	1	1218.0	-	-
9	709852.0	72.3	8	2	1588.0	1172.0	-

Type 5 Radar Waveform_22							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	910044.0	60.0	9	1	1609.0	-	-
1	84820.0	73.0	9	2	1825.0	1227.0	-
2	348664.0	79.7	9	2	1815.0	1226.0	-
3	612641.0	80.7	9	2	1604.0	1197.0	-
4	877294.0	58.8	9	1	1867.0	-	-
5	52232.0	94.3	9	3	1813.0	1950.0	1147.0
6	315939.0	86.1	9	3	1113.0	1207.0	1496.0
7	579952.0	73.5	9	2	1756.0	1388.0	-
8	842584.0	91.3	9	3	1896.0	1752.0	1024.0
9	19824.0	70.3	9	2	1448.0	1535.0	-
10	283156.0	97.4	9	3	1532.0	1980.0	1481.0

Type 5 Radar Waveform_23							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	603198.0	53.8	8	1	1476.0	-	-
1	892310.0	95.7	8	3	1079.0	1325.0	1174.0
2	1182749.0	78.9	8	2	1553.0	1754.0	-
3	276691.0	56.7	8	1	1573.0	-	-
4	565687.0	91.0	8	3	1748.0	1941.0	1390.0
5	856175.0	91.7	8	3	1490.0	1528.0	1109.0
6	1146737.0	71.4	8	2	1879.0	1701.0	-
7	240264.0	83.7	8	3	1926.0	1395.0	1358.0
8	530648.0	96.1	8	3	1054.0	1209.0	1332.0
9	822491.0	50.8	8	1	1151.0	-	-

Type 5 Radar Waveform_24							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	924883.0	97.6	11	3	1445.0	1247.0	1310.0
1	170888.0	58.5	11	1	1414.0	–	–
2	411555.0	85.0	11	3	1416.0	1686.0	1990.0
3	654906.0	51.7	11	1	1961.0	–	–
4	895802.0	75.8	11	2	1286.0	1965.0	–
5	140860.0	70.9	11	2	1179.0	1620.0	–
6	382543.0	76.1	11	2	1759.0	1483.0	–
7	625512.0	62.4	11	1	1288.0	–	–
8	867310.0	63.5	11	1	1772.0	–	–
9	111238.0	65.3	11	1	1289.0	–	–
10	352695.0	68.6	11	2	1709.0	1732.0	–
11	595005.0	72.7	11	2	1248.0	1165.0	–

Type 5 Radar Waveform_25							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	770976.0	85.3	11	3	1629.0	1308.0	1191.0
1	75091.0	61.0	11	1	1788.0	–	–
2	298645.0	55.3	11	1	1442.0	–	–
3	521335.0	82.6	11	2	1037.0	1880.0	–
4	743990.0	78.0	11	2	1848.0	1703.0	–
5	47501.0	75.9	11	2	1977.0	1126.0	–
6	270531.0	83.0	11	2	1782.0	1634.0	–
7	493366.0	75.3	11	2	1974.0	1836.0	–
8	715181.0	95.4	11	3	1988.0	1298.0	1983.0
9	20043.0	66.3	11	1	1908.0	–	–
10	243118.0	81.4	11	2	1403.0	1784.0	–
11	465865.0	95.7	11	3	1565.0	1233.0	1089.0
12	687901.0	85.0	11	3	1804.0	1562.0	1717.0

Type 5 Radar Waveform_26							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	659682.0	51.4	18	1	1587.0	-	-
1	155924.0	53.0	18	1	1506.0	-	-
2	315732.0	96.0	18	3	1897.0	1133.0	1651.0
3	478276.0	54.3	18	1	1913.0	-	-
4	640036.0	61.3	18	1	1356.0	-	-
5	135896.0	70.2	18	2	1201.0	1070.0	-
6	296740.0	72.8	18	2	1886.0	1042.0	-
7	459031.0	60.9	18	1	1023.0	-	-
8	618583.0	71.5	18	2	1092.0	1956.0	-
9	116120.0	62.5	18	1	1858.0	-	-
10	277345.0	64.4	18	1	1887.0	-	-
11	436911.0	94.7	18	3	1417.0	1918.0	1075.0
12	598781.0	79.0	18	2	1624.0	1398.0	-
13	96136.0	83.1	18	2	1263.0	1450.0	-
14	257007.0	73.3	18	2	1272.0	1851.0	-
15	418950.0	59.9	18	1	1515.0	-	-
16	580039.0	61.1	18	1	1780.0	-	-
17	76313.0	77.7	18	2	1520.0	1086.0	-

Type 5 Radar Waveform_27							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	237900.0	55.0	17	1	1118.0	-	-
1	398124.0	78.8	17	2	1593.0	1514.0	-
2	558887.0	81.2	17	2	1411.0	1899.0	-
3	56604.0	60.4	17	1	1081.0	-	-
4	217639.0	67.8	17	2	1067.0	1206.0	-
5	379379.0	51.3	17	1	1215.0	-	-
6	540706.0	58.4	17	1	1296.0	-	-
7	36686.0	63.7	17	1	1693.0	-	-
8	197095.0	95.6	17	3	1518.0	1185.0	1909.0
9	359389.0	50.7	17	1	1418.0	-	-
10	520039.0	70.7	17	2	1144.0	1161.0	-
11	16838.0	55.4	17	1	1013.0	-	-
12	177709.0	81.2	17	2	1579.0	1567.0	-
13	338817.0	77.2	17	2	1363.0	1423.0	-
14	498083.0	89.4	17	3	1902.0	1749.0	1454.0
15	659995.0	66.7	17	2	1771.0	1865.0	-
16	157770.0	74.4	17	2	1852.0	1783.0	-
17	318883.0	67.8	17	2	1601.0	1396.0	-

Type 5 Radar Waveform_28							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	454673.0	80.2	19	2	1111.0	1612.0	-
1	608601.0	58.1	19	1	1262.0	-	-
2	131137.0	52.2	19	1	1348.0	-	-
3	282322.0	95.1	19	3	1798.0	1987.0	1260.0
4	434510.0	95.9	19	3	1413.0	1745.0	1550.0
5	589332.0	61.8	19	1	1730.0	-	-
6	112323.0	63.7	19	1	1270.0	-	-
7	263867.0	98.6	19	3	1383.0	1426.0	1614.0
8	416191.0	91.0	19	3	1526.0	1330.0	1237.0
9	567371.0	88.0	19	3	1774.0	1618.0	1810.0
10	93040.0	99.0	19	3	1527.0	1097.0	1706.0
11	245111.0	92.8	19	3	1881.0	1409.0	1184.0
12	399118.0	59.6	19	1	1451.0	-	-
13	551511.0	65.3	19	1	1945.0	-	-
14	74286.0	84.3	19	3	1261.0	1611.0	1581.0
15	226290.0	88.7	19	3	1568.0	1529.0	1617.0
16	379680.0	76.3	19	2	1139.0	1329.0	-
17	531586.0	66.9	19	2	1264.0	2000.0	-
18	55835.0	53.8	19	1	1252.0	-	-

Type 5 Radar Waveform_29							
Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	263663.0	91.1	13	3	1220.0	1216.0	1268.0
1	456819.0	85.3	13	3	1334.0	1211.0	1108.0
2	649293.0	94.6	13	3	1583.0	1376.0	1510.0
3	46691.0	95.9	13	3	1044.0	1698.0	1921.0
4	239728.0	97.7	13	3	1341.0	1203.0	1648.0
5	433398.0	74.6	13	2	1968.0	1006.0	-
6	627058.0	72.1	13	2	1217.0	1304.0	-
7	22942.0	90.2	13	3	1060.0	1821.0	1420.0
8	216610.0	66.1	13	1	1773.0	-	-
9	409295.0	81.4	13	2	1793.0	1751.0	-
10	602161.0	87.3	13	3	1124.0	1389.0	1428.0
11	797834.0	55.3	13	1	1335.0	-	-
12	192912.0	62.2	13	1	1157.0	-	-
13	386397.0	58.6	13	1	1694.0	-	-
14	580281.0	55.5	13	1	1323.0	-	-

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	5265	5271	5368	5280	5596
5	5404	5638	5529	5469	5655
10	5646	5642	5523	5487	5277
15	5555	5601	5251	5675	5533
20	5448	5666	5484	5722	5544
25	5510	5651	5379	5264	5389
30	5432	5641	5540	5495	5465
35	5704	5406	5286	5679	5296
40	5561	5326	5329	5318	5612
45	5331	5520	5551	5505	5319
50	5611	5435	5330	5609	5380
55	5302	5716	5475	5603	5340
60	5507	5460	5607	5672	5604
65	5719	5667	5261	5512	5494
70	5606	5452	5554	5442	5623
75	5570	5681	5438	5706	5363
80	5377	5678	5671	5354	5295
85	5715	5645	5688	5371	5355
90	5338	5526	5629	5367	5402
95	5459	5659	5524	5577	5481

Type 6 Radar Waveform_1

Frequency List (MHz)	0	1	2	3	4
0	5520	5510	5304	5441	5341
5	5446	5660	5604	5535	5387
10	5577	5431	5564	5682	5298
15	5546	5253	5354	5720	5250
20	5456	5721	5704	5573	5695
25	5432	5362	5713	5280	5413
30	5306	5375	5389	5381	5314
35	5315	5320	5677	5439	5282
40	5518	5379	5402	5517	5420
45	5258	5292	5476	5284	5495
50	5662	5524	5628	5553	5471
55	5256	5294	5574	5469	5331
60	5452	5530	5715	5330	5289
65	5658	5663	5592	5552	5622
70	5424	5411	5268	5690	5619
75	5541	5515	5412	5398	5671
80	5355	5335	5291	5257	5321
85	5281	5550	5308	5615	5350
90	5640	5286	5478	5527	5346
95	5279	5326	5497	5654	5270

Type 6 Radar Waveform_2

Frequency List (MHz)	0	1	2	3	4
0	5678	5274	5715	5602	5658
5	5585	5679	5698	5594	5411
10	5695	5605	5402	5319	5634
15	5380	5457	5290	5539	5367
20	5315	5645	5565	5668	5689
25	5344	5384	5447	5348	5264
30	5346	5596	5466	5513	5268
35	5473	5592	5293	5454	5559
40	5340	5282	5417	5662	5656
45	5303	5350	5529	5703	5635
50	5671	5713	5710	5354	5400
55	5659	5685	5621	5588	5545
60	5598	5496	5494	5696	5356
65	5661	5531	5694	5709	5423
70	5260	5578	5555	5630	5383
75	5388	5284	5643	5467	5608
80	5409	5593	5574	5610	5318
85	5527	5686	5569	5446	5556
90	5342	5497	5459	5657	5341
95	5425	5382	5408	5552	5450

Type 6 Radar Waveform_3						
	Frequency List (MHz)	0	1	2	3	4
	0	5458	5513	5651	5288	5403
	5	5627	5607	5657	5386	5423
	10	5342	5484	5268	5597	5340
	15	5722	5507	5560	5335	5256
	20	5375	5481	5586	5654	5641
	25	5638	5547	5488	5487	5628
	30	5303	5336	5715	5333	5407
	35	5502	5366	5367	5682	5293
	40	5642	5278	5425	5414	5494
	45	5636	5408	5582	5493	5511
	50	5372	5289	5324	5652	5344
	55	5639	5714	5310	5516	5252
	60	5661	5439	5528	5354	5662
	65	5255	5444	5315	5299	5429
	70	5655	5479	5574	5508	5427
	75	5624	5719	5464	5656	5297
	80	5263	5406	5313	5477	5452
	85	5378	5622	5599	5262	5611
	90	5562	5376	5379	5568	5674
	95	5543	5323	5485	5590	5620

Type 6 Radar Waveform_4

Frequency List (MHz)	0	1	2	3	4
0	5713	5277	5587	5449	5720
5	5669	5532	5257	5549	5630
10	5651	5273	5309	5695	5361
15	5335	5537	5566	5283	5448
20	5383	5550	5527	5646	5614
25	5377	5490	5275	5689	5515
30	5529	5260	5454	5392	5531
35	5690	5637	5520	5596	5607
40	5250	5691	5665	5411	5423
45	5616	5469	5466	5635	5380
50	5387	5548	5340	5413	5475
55	5666	5560	5593	5429	5604
60	5390	5284	5351	5384	5360
65	5580	5650	5555	5611	5276
70	5585	5577	5501	5647	5658
75	5328	5453	5301	5696	5628
80	5570	5605	5496	5574	5437
85	5461	5326	5403	5508	5294
90	5341	5339	5467	5590	5568
95	5313	5639	5354	5318	5564

Type 6 Radar Waveform_5

Frequency List (MHz)	0	1	2	3	4
0	5493	5516	5523	5513	5465
5	5711	5554	5332	5712	5362
10	5582	5634	5350	5415	5382
15	5326	5664	5669	5328	5640
20	5294	5716	5565	5260	5587
25	5265	5439	5478	5318	5549
30	5571	5503	5692	5641	5351
35	5588	5306	5433	5673	5607
40	5446	5333	5629	5430	5408
45	5255	5596	5552	5427	5688
50	5645	5724	5391	5502	5298
55	5610	5273	5547	5619	5423
60	5361	5413	5426	5289	5406
65	5378	5560	5705	5486	5380
70	5573	5633	5661	5652	5429
75	5568	5651	5616	5586	5693
80	5625	5389	5400	5325	5708
85	5401	5531	5432	5267	5363
90	5466	5671	5347	5521	5689
95	5330	5409	5511	5691	5543

Type 6 Radar Waveform_6

Frequency List (MHz)	0	1	2	3	4
0	5273	5280	5459	5674	5307
5	5375	5479	5407	5303	5666
10	5513	5423	5391	5610	5403
15	5414	5316	5297	5373	5357
20	5302	5506	5252	5560	5531
25	5291	5681	5422	5583	5710
30	5392	5649	5409	5318	5549
35	5397	5326	5351	5521	5382
40	5567	5670	5502	5659	5576
45	5635	5485	5266	5532	5517
50	5425	5442	5591	5499	5457
55	5461	5501	5334	5620	5332
60	5542	5371	5596	5329	5579
65	5509	5644	5272	5658	5267
70	5619	5286	5404	5405	5694
75	5537	5296	5284	5428	5697
80	5474	5692	5452	5520	5283
85	5550	5364	5626	5300	5696
90	5611	5631	5677	5306	5701
95	5347	5464	5592	5589	5522

Type 6 Radar Waveform_7

Frequency List (MHz)	0	1	2	3	4
0	5431	5519	5395	5360	5527
5	5417	5501	5482	5466	5398
10	5347	5687	5432	5330	5424
15	5502	5443	5400	5418	5549
20	5310	5476	5447	5341	5533
25	5419	5715	5312	5526	5617
30	5277	5378	5606	5624	5567
35	5369	5294	5488	5597	5601
40	5435	5696	5596	5505	5338
45	5499	5588	5556	5718	5543
50	5697	5322	5393	5493	5302
55	5401	5552	5455	5524	5439
60	5303	5671	5371	5316	5428
65	5630	5402	5458	5680	5528
70	5542	5364	5339	5702	5289
75	5253	5381	5653	5409	5416
80	5645	5710	5255	5612	5297
85	5661	5489	5327	5343	5265
90	5272	5384	5321	5683	5318
95	5663	5335	5576	5487	5404

Type 6 Radar Waveform_8

Frequency List (MHz)	0	1	2	3	4
0	5686	5283	5331	5521	5369
5	5459	5426	5557	5629	5605
10	5278	5476	5473	5525	5445
15	5590	5570	5503	5366	5266
20	5696	5642	5485	5333	5506
25	5307	5567	5515	5252	5651
30	5319	5267	5563	5719	5664
35	5433	5579	5393	5279	5446
40	5535	5679	5346	5578	5496
45	5420	5536	5326	5504	5275
50	5684	5269	5302	5544	5391
55	5620	5723	5265	5409	5714
60	5258	5652	5325	5261	5260
65	5456	5531	5603	5407	5716
70	5360	5434	5508	5688	5389
75	5577	5357	5612	5378	5626
80	5457	5345	5511	5545	5675
85	5294	5435	5661	5387	5438
90	5608	5701	5486	5689	5255
95	5448	5444	5381	5574	5560

Type 6 Radar Waveform_9

Frequency List (MHz)	0	1	2	3	4
0	5466	5522	5267	5682	5589
5	5501	5448	5632	5317	5337
10	5684	5265	5514	5623	5581
15	5600	5509	5411	5458	5704
20	5711	5426	5422	5479	5573
25	5419	5718	5356	5588	5361
30	5253	5423	5482	5493	5387
35	5572	5292	5664	5432	5360
40	5374	5384	5284	5343	5349
45	5409	5562	5328	5474	5523
50	5478	5595	5480	5443	5667
55	5453	5363	5429	5552	5454
60	5701	5303	5567	5379	5477
65	5329	5655	5445	5580	5674
70	5392	5333	5571	5250	5559
75	5519	5607	5709	5455	5263
80	5291	5252	5564	5648	5350
85	5630	5308	5651	5289	5330
90	5456	5398	5629	5641	5283
95	5531	5301	5467	5517	5354

Type 6 Radar Waveform_10

Frequency List (MHz)	0	1	2	3	4
0	5721	5286	5678	5368	5431
5	5640	5470	5707	5383	5641
10	5518	5626	5555	5343	5487
15	5669	5252	5612	5456	5272
20	5712	5402	5367	5414	5452
25	5461	5446	5460	5622	5500
30	5617	5380	5697	5645	5682
35	5711	5557	5274	5688	5467
40	5486	5490	5656	5399	5492
45	5620	5381	5361	5654	5646
50	5569	5644	5514	5695	5522
55	5594	5391	5723	5496	5680
60	5423	5627	5305	5691	5499
65	5660	5653	5687	5530	5694
70	5679	5662	5588	5389	5468
75	5548	5301	5288	5447	5587
80	5410	5347	5441	5706	5556
85	5585	5341	5323	5701	5565
90	5512	5684	5625	5719	5634
95	5586	5650	5417	5657	5720

Type 6 Radar Waveform_11

Frequency List (MHz)	0	1	2	3	4
0	5404	5525	5614	5529	5651
5	5682	5395	5307	5546	5373
10	5449	5415	5693	5538	5508
15	5282	5379	5715	5464	5623
20	5471	5405	5503	5425	5252
25	5695	5649	5564	5656	5542
30	5506	5337	5437	5419	5278
35	5474	5353	5360	5285	5624
40	5550	5635	5251	5584	5585
45	5575	5581	5434	5626	5275
50	5355	5697	5280	5467	5458
55	5354	5712	5568	5565	5615
60	5556	5668	5328	5466	5254
65	5630	5709	5391	5526	5346
70	5268	5495	5502	5663	5489
75	5324	5708	5569	5641	5578
80	5329	5465	5486	5642	5429
85	5442	5406	5660	5260	5472
90	5674	5264	5609	5601	5262
95	5319	5681	5416	5507	5396

Type 6 Radar Waveform_12

Frequency List (MHz)	0	1	2	3	4
0	5659	5289	5550	5690	5493
5	5724	5417	5382	5709	5580
10	5380	5679	5259	5258	5529
15	5370	5506	5343	5449	5656
20	5631	5637	5346	5495	5398
25	5615	5644	5280	5668	5584
30	5492	5294	5555	5571	5700
35	5565	5624	5513	5674	5463
40	5633	5573	5491	5581	5514
45	5359	5658	5639	5487	5626
50	5531	5273	5369	5290	5305
55	5542	5603	5427	5387	5439
60	5269	5613	5635	5429	5412
65	5651	5678	5666	5444	5661
70	5707	5515	5254	5595	5351
75	5448	5535	5376	5418	5688
80	5585	5629	5549	5660	5362
85	5271	5433	5634	5274	5711
90	5577	5671	5335	5354	5686
95	5546	5319	5365	5517	5301

Type 6 Radar Waveform_13

Frequency List (MHz)	0	1	2	3	4
0	5439	5528	5486	5279	5713
5	5291	5342	5457	5397	5409
10	5689	5468	5300	5453	5550
15	5361	5633	5446	5494	5373
20	5639	5706	5287	5584	5371
25	5406	5496	5483	5394	5724
30	5723	5381	5251	5295	5345
35	5423	5556	5656	5517	5288
40	5588	5302	5338	5511	5256
45	5578	5346	5339	5266	5697
50	5540	5303	5405	5707	5324
55	5458	5557	5617	5410	5398
60	5508	5655	5467	5255	5358
65	5377	5627	5702	5276	5553
70	5510	5587	5715	5598	5675
75	5615	5407	5504	5564	5519
80	5531	5670	5701	5366	5318
85	5612	5657	5273	5685	5396
90	5254	5714	5665	5350	5326
95	5341	5614	5320	5563	5374

Type 6 Radar Waveform_14

Frequency List (MHz)	0	1	2	3	4
0	5694	5292	5422	5440	5555
5	5430	5364	5532	5463	5616
10	5620	5257	5341	5551	5571
15	5449	5663	5452	5539	5565
20	5550	5397	5325	5576	5344
25	5294	5348	5686	5498	5283
30	5290	5270	5683	5510	5497
35	5718	5598	5369	5313	5441
40	5599	5421	5399	5575	5275
45	5319	5349	5658	5496	5665
50	5281	5408	5375	5547	5314
55	5346	5511	5332	5403	5381
60	5527	5673	5600	5299	5653
65	5304	5675	5641	5486	5323
70	5601	5524	5591	5366	5376
75	5587	5512	5447	5336	5622
80	5385	5297	5654	5374	5273
85	5456	5446	5582	5716	5621
90	5526	5444	5265	5429	5677
95	5345	5535	5394	5577	5492

Type 6 Radar Waveform_15

Frequency List (MHz)	0	1	2	3	4
0	5377	5628	5358	5601	5300
5	5472	5289	5607	5626	5348
10	5454	5618	5382	5271	5592
15	5537	5315	5555	5487	5282
20	5558	5466	5266	5665	5317
25	5657	5297	5414	5602	5332
30	5256	5640	5250	5538	5262
35	5460	5584	5594	5513	5552
40	5504	5387	5639	5572	5582
45	5677	5432	5716	5549	5455
50	5632	5426	5636	5612	5515
55	5534	5465	5522	5697	5352
60	5559	5363	5545	5703	5479
65	5347	5401	5525	5318	5715
70	5591	5353	5309	5701	5276
75	5567	5325	5345	5707	5708
80	5493	5349	5403	5360	5651
85	5569	5419	5638	5450	5670
90	5371	5344	5691	5378	5441
95	5694	5484	5264	5718	5420

Type 6 Radar Waveform_16

Frequency List (MHz)	0	1	2	3	4
0	5632	5392	5294	5287	5617
5	5514	5311	5682	5314	5652
10	5385	5407	5423	5466	5613
15	5625	5442	5658	5532	5474
20	5566	5657	5290	5448	5624
25	5706	5351	5471	5620	5597
30	5368	5261	5401	5551	5380
35	5369	5427	5391	5587	5703
40	5404	5666	5511	5515	5299
45	5602	5342	5411	5663	5477
50	5347	5435	5362	5722	5419
55	5712	5516	5701	5688	5528
60	5490	5535	5305	5293	5616
65	5510	5394	5425	5295	5704
70	5600	5446	5284	5692	5352
75	5279	5571	5379	5459	5659
80	5713	5648	5289	5554	5308
85	5479	5258	5415	5721	5522
90	5639	5381	5456	5711	5638
95	5550	5539	5723	5302	5584

Type 6 Radar Waveform_17

Frequency List (MHz)	0	1	2	3	4
0	5412	5631	5705	5448	5362
5	5556	5711	5282	5477	5384
10	5316	5671	5464	5661	5634
15	5616	5569	5286	5577	5288
20	5323	5623	5271	5263	5336
25	5573	5723	5432	5385	5513
30	5509	5554	5583	5672	5540
35	5642	5273	5522	5438	5292
40	5641	5644	5663	5440	5637
45	5598	5260	5655	5607	5287
50	5364	5528	5436	5258	5306
55	5435	5373	5330	5713	5342
60	5693	5532	5367	5703	5714
65	5425	5423	5652	5360	5305
70	5575	5594	5281	5329	5449
75	5422	5718	5472	5552	5402
80	5548	5484	5625	5442	5450
85	5283	5675	5295	5546	5462
90	5648	5520	5659	5253	5707
95	5611	5405	5654	5582	5491

Type 6 Radar Waveform_18

Frequency List (MHz)	0	1	2	3	4
0	5667	5395	5641	5609	5679
5	5695	5258	5357	5543	5591
10	5625	5460	5505	5381	5655
15	5704	5599	5389	5622	5480
20	5485	5392	5661	5263	5711
25	5602	5425	5451	5536	5419
30	5555	5495	5511	5323	5349
35	5279	5582	5544	5675	5352
40	5375	5579	5312	5660	5272
45	5617	5681	5318	5708	5494
50	5638	5540	5525	5459	5628
55	5623	5327	5520	5532	5643
60	5471	5383	5477	5674	5529
65	5282	5626	5372	5688	5570
70	5672	5378	5666	5364	5332
75	5298	5398	5677	5533	5468
80	5408	5696	5469	5646	5545
85	5457	5564	5502	5723	5251
90	5657	5565	5682	5305	5671
95	5270	5649	5313	5509	5508

Type 6 Radar Waveform_19

Frequency List (MHz)	0	1	2	3	4
0	5447	5634	5577	5295	5424
5	5262	5658	5432	5706	5420
10	5556	5724	5643	5479	5676
15	5317	5251	5395	5570	5672
20	5493	5558	5602	5352	5684
25	5490	5277	5654	5640	5453
30	5694	5384	5468	5538	5598
35	5574	5721	5349	5340	5450
40	5266	5383	5458	5517	5552
45	5657	5597	5289	5376	5286
50	5284	5514	5716	5630	5614
55	5282	5572	5336	5281	5710
60	5351	5600	5548	5422	5603
65	5355	5703	5449	5321	5627
70	5402	5467	5656	5360	5350
75	5525	5374	5636	5502	5615
80	5611	5660	5692	5477	5633
85	5709	5542	5496	5406	5465
90	5591	5680	5316	5380	5401
95	5571	5619	5662	5305	5704

Type 6 Radar Waveform_20

Frequency List (MHz)	0	1	2	3	4
0	5605	5398	5513	5359	5266
5	5304	5680	5507	5394	5627
10	5487	5610	5684	5674	5697
15	5405	5378	5498	5615	5389
20	5404	5543	5344	5279	5281
25	5701	5382	5269	5261	5370
30	5425	5656	5372	5297	5385
35	5537	5708	5603	5277	5319
40	5638	5455	5317	5654	5508
45	5577	5337	5717	5646	5293
50	5417	5681	5325	5580	5419
55	5427	5710	5548	5488	5254
60	5713	5464	5435	5278	5649
65	5650	5270	5663	5612	5459
70	5432	5336	5374	5350	5595
75	5471	5260	5495	5437	5327
80	5258	5322	5539	5691	5360
85	5723	5428	5454	5556	5256
90	5564	5675	5566	5653	5544
95	5401	5284	5305	5499	5714

Type 6 Radar Waveform_21

Frequency List (MHz)	0	1	2	3	4
0	5385	5637	5449	5520	5486
5	5346	5605	5582	5557	5359
10	5321	5399	5250	5394	5718
15	5396	5505	5601	5660	5581
20	5412	5318	5433	5252	5644
25	5553	5585	5470	5521	5303
30	5259	5382	5524	5592	5427
35	5628	5504	5281	5666	5633
40	5721	5393	5460	5273	5437
45	5455	5395	5295	5436	5593
50	5257	5414	5403	5363	5615
55	5664	5367	5459	5286	5409
60	5267	5579	5595	5473	5694
65	5699	5444	5629	5262	5322
70	5438	5698	5704	5554	5343
75	5380	5325	5476	5340	5514
80	5457	5536	5411	5263	5662
85	5488	5549	5424	5685	5337
90	5398	5256	5583	5687	5329
95	5426	5418	5339	5362	5678

Type 6 Radar Waveform_22

Frequency List (MHz)	0	1	2	3	4
0	5640	5401	5385	5681	5328
5	5485	5627	5657	5623	5663
10	5252	5291	5589	5264	5484
15	5632	5704	5608	5298	5420
20	5387	5522	5425	5700	5532
25	5502	5691	5574	5555	5345
30	5339	5611	5315	5566	5719
35	5300	5531	5580	5472	5329
40	5331	5270	5366	5440	5538
45	5453	5348	5323	5520	5294
50	5308	5503	5604	5685	5521
55	5330	5661	5430	5415	5568
60	5354	5638	5674	5265	5654
65	5424	5443	5673	5405	5547
70	5680	5513	5312	5500	5468
75	5457	5369	5450	5295	5553
80	5533	5606	5641	5504	5451
85	5266	5389	5639	5585	5693
90	5421	5624	5686	5535	5435
95	5394	5346	5576	5360	5445

Type 6 Radar Waveform_23

Frequency List (MHz)	0	1	2	3	4
0	5420	5640	5321	5367	5548
5	5527	5552	5257	5311	5395
10	5561	5452	5332	5309	5285
15	5572	5662	5653	5490	5331
20	5553	5463	5514	5673	5323
25	5354	5419	5678	5589	5484
30	5609	5296	5351	5450	5610
35	5705	5335	5571	5684	5591
40	5412	5647	5465	5267	5621
45	5414	5401	5588	5396	5470
50	5359	5592	5427	5629	5516
55	5475	5520	5480	5544	5258
60	5299	5406	5328	5584	5497
65	5689	5674	5486	5316	5721
70	5391	5541	5656	5472	5659
75	5523	5438	5560	5551	5717
80	5583	5433	5423	5641	5346
85	5511	5361	5690	5261	5416
90	5586	5692	5658	5471	5547
95	5549	5449	5330	5339	5611

Type 6 Radar Waveform_24

Frequency List (MHz)	0	1	2	3	4
0	5578	5404	5257	5528	5390
5	5569	5574	5332	5474	5602
10	5492	5716	5373	5407	5306
15	5660	5314	5338	5698	5682
20	5339	5622	5501	5506	5646
25	5686	5681	5307	5623	5526
30	5498	5253	5469	5699	5430
35	5369	5426	5464	5362	5505
40	5722	5592	5585	5705	5264
45	5400	5704	5472	5454	5475
50	5650	5410	5303	5250	5476
55	5429	5613	5677	5275	5673
60	5423	5341	5335	5629	5530
65	5638	5696	5586	5524	5439
70	5377	5641	5632	5431	5628
75	5643	5657	5419	5398	5573
80	5406	5618	5544	5285	5553
85	5697	5644	5509	5711	5276
90	5595	5353	5656	5566	5504
95	5411	5651	5675	5322	5345

Type 6 Radar Waveform_25

Frequency List (MHz)	0	1	2	3	4
0	5358	5643	5668	5689	5610
5	5708	5499	5407	5637	5334
10	5423	5505	5414	5602	5327
15	5651	5441	5268	5496	5347
20	5313	5442	5595	5619	5477
25	5630	5350	5508	5657	5568
30	5387	5685	5684	5376	5628
35	5411	5614	5260	5612	5419
40	5561	5675	5523	5373	5261
45	5434	5380	5312	5530	5507
50	5265	5526	5461	5392	5548
55	5420	5417	5383	5328	5721
60	5588	5286	5642	5552	5573
65	5424	5587	5649	5528	5478
70	5511	5363	5644	5472	5608
75	5293	5500	5288	5703	5497
80	5650	5683	5570	5331	5427
85	5338	5447	5534	5270	5565
90	5695	5282	5704	5629	5613
95	5290	5583	5559	5395	5367

Type 6 Radar Waveform_26

Frequency List (MHz)	0	1	2	3	4
0	5613	5407	5604	5375	5452
5	5275	5521	5482	5325	5638
10	5257	5391	5455	5322	5348
15	5264	5568	5544	5691	5688
20	5258	5479	5383	5587	5592
25	5365	5553	5612	5707	5373
30	5642	5424	5625	5448	5550
35	5705	5531	5290	5430	5400
40	5283	5461	5355	5363	5360
45	5395	5491	5463	5627	5402
50	5523	5512	5481	5274	5267
55	5508	5337	5518	5315	5692
60	5359	5278	5706	5474	5378
65	5519	5722	5536	5685	5263
70	5273	5605	5680	5446	5269
75	5321	5584	5252	5469	5408
80	5371	5478	5330	5696	5466
85	5637	5394	5533	5447	5541
90	5497	5530	5649	5632	5606
95	5710	5566	5495	5302	5600

Type 6 Radar Waveform_27

Frequency List (MHz)	0	1	2	3	4
0	5393	5646	5540	5439	5672
5	5317	5446	5557	5391	5370
10	5663	5655	5593	5517	5369
15	5352	5695	5647	5261	5405
20	5266	5548	5421	5676	5565
25	5631	5431	5659	5716	5250
30	5274	5262	5599	5639	5302
35	5689	5321	5424	5443	5344
40	5714	5463	5399	5378	5670
45	5340	5478	5549	5516	5417
50	5278	5699	5563	5570	5572
55	5686	5696	5291	5708	5512
60	5488	5651	5306	5679	5465
65	5448	5485	5624	5543	5311
70	5277	5432	5272	5645	5341
75	5528	5459	5582	5331	5722
80	5326	5457	5253	5350	5383
85	5398	5700	5303	5452	5296
90	5338	5600	5377	5411	5669
95	5460	5638	5536	5388	5483

Type 6 Radar Waveform_28

Frequency List (MHz)	0	1	2	3	4
0	5648	5410	5476	5600	5417
5	5359	5468	5632	5554	5577
10	5594	5444	5634	5712	5390
15	5440	5250	5275	5306	5597
20	5274	5714	5362	5668	5538
25	5519	5283	5387	5345	5662
30	5316	5626	5556	5282	5551
35	5466	5256	5412	5695	5693
40	5258	5553	5546	5337	5618
45	5349	5599	5698	5561	5607
50	5569	5304	5532	5400	5614
55	5659	5395	5533	5409	5720
60	5423	5331	5537	5617	5608
65	5613	5602	5411	5271	5434
70	5660	5305	5435	5589	5446
75	5418	5372	5397	5439	5645
80	5310	5560	5441	5503	5490
85	5321	5545	5253	5700	5520
90	5363	5654	5650	5461	5344
95	5637	5724	5536	5515	5588

Type 6 Radar Waveform_29

Frequency List (MHz)	0	1	2	3	4
0	5331	5649	5412	5286	5259
5	5498	5393	5707	5717	5406
10	5428	5708	5675	5335	5411
15	5431	5377	5281	5351	5314
20	5660	5308	5303	5282	5511
25	5407	5610	5590	5546	5696
30	5455	5612	5513	5497	5703
35	5664	5395	5503	5491	5371
40	5647	5489	5629	5275	5346
45	5528	5678	5644	5568	5622
50	5569	5408	5576	5665	5370
55	5693	5477	5597	5674	5613
60	5625	5508	5271	5298	5638
65	5542	5454	5472	5383	5599
70	5705	5392	5518	5501	5375
75	5721	5415	5604	5279	5671
80	5421	5611	5284	5654	5680
85	5318	5265	5253	5639	5580
90	5369	5706	5324	5470	5626
95	5350	5571	5519	5532	5273

Appendix B – Test Setup Photograph

Refer to “2411RSU027-UT” file.

Appendix C – EUT Photograph

Refer to “2411RSU027-UE” file.

The End