

DFS MEASUREMENT REPORT



FCC ID: Q9DAP32

Applicant: Hewlett Packard Enterprise Company

Product: ACCESS POINT

Model No.: APIN0615

Marketing Name: AP32

Trademark:  , 

FCC Classification: Unlicensed National Information Infrastructure (NII)

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

Type of Device: Master Device

Result: Complies

Received Date: 2023-08-25

Test Date: 2023-11-09 ~ 2023-11-10

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
2308RSU066-U4	V01	Initial Report	2023-11-18	Valid

Note 1: The product is a variation on the existing APIN0615 that had FCC approval (FCC ID: Q9DAPIN0615).

The differences are shown in the table below.

Parts of Product	Modification
Top cover	Change ION style look.
Bottom Cover	Yes, Changed Painted white
Light pipe	Yes, Changed. Move to the edge for consistent ION ID
USB Port	Removed
Antenna	Remove BLE/ZigBee/GPS Antenna
PCB	Remove BLE/ZigBee/GPS chipset and match circuit

The applicant remeasured a set of antenna gain that slightly different than before.

Frequency Range (MHz)	Original Wi-Fi Antenna Gain	Current Wi-Fi Antenna Gain
	(dBi)	(dBi)
2.4GHz (Radio 0)	2.0	1.5
2.4GHz (Radio 1)	0.6	1.6
5GHz	3.8	3.8
6GHz	3.5	3.9

Note 2: Most test data refer to original test report no. 2105TW0006-U5. Spot-check tests were done on these items (NII Detection Bandwidth and Statistical Performance Check) based on worst-case results reported in the original FCC ID filing.

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1.4. Product Information

Product Name	ACCESS POINT
Model No.	APIN0615
Marketing Name	AP32
Serial No.	CNQSM1H00Y
Software Version	Aruba OS 2.9.0.0_87240
Wi-Fi Specification	802.11a/b/g/n/ac/ax
Power Type	AC/DC Adapter or PoE Injector Input
Operating Temp.	0 ~ 50 °C
Operating Environment	Indoor Use
Accessories	
AC Adapter	Model: WB-18Q12R Input: 100-240V ~ 50/60Hz, 0.6A Max Output: 12.0V, 1.5A, 18W
PoE Injector	Model: ADH-30CR BB Input: 100-240V ~ 1.0A 50-60Hz Output: 55V, 0.55A 30.25W
Remark: 1, The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer. 2, AC Power Adapter and PoE Injector are not sold with Product.	

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 For 802.11ac-VHT160/ax-HE160: 5250MHz, 5570MHz
Type of Modulation	802.11a/n/ac: OFDM 802.11ax: OFDMA
Data Rate	802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 300Mbps 802.11ac: up to 1733.4Mbps 802.11ax: up to 2402Mbps
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	--	--	--	--

802.11ac-VHT160/ax-HE160

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

1.7. Antenna Details

Antenna Type	Frequency Band (MHz)	Tx Paths	Uncorrelated Gain (dBi)	Correlated Gain (dBi)
PIFA	2412 ~ 2462(Radio 0)	2	1.5	4.4
PIFA	2412 ~ 2462(Radio 1)	2	1.6	4.5
PIFA	5150 ~ 5895	2	3.8	6.8
PIFA	5925 ~ 7125	2	3.9	6.9

Note 1: In accordance with KDB 662911 D01v02r01, uncorrelated directional gain was applied for calculating max conducted output power limit and correlated directional gain was applied for calculating PSD limit.

Note 2: The directional gains, uncorrelated and correlated gains were provided by the manufacturer.

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-HE160	114	5570 MHz

Note: These test modes (worst case) are from the original report.

2.3. Applied Standards

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

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

2.4. Test Environment Condition

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

3. DFS Detection Thresholds and Radar Test Waveforms

3.1. Applicability

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

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

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

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

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

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

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

3.2. DFS Devices Requirements

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

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

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

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.
<p>Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.</p> <p>Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.</p> <p>Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.</p>	

Table 3-3: DFS Response Requirements

3.3. DFS Detection Threshold Values

The DFS detection thresholds are defined for Master devices and Client Devices with In-service monitoring.

These detection thresholds are listed in the following table.

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP \geq 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm

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

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

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

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

3.4. Parameters of DFS Test Signals

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

Short Pulse Radar Test Waveforms

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

Table 3-5: Parameters for Short Pulse Radar Waveforms

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

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

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

Long Pulse Radar Test Waveform

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

Table 3-7: Parameters for Long Pulse Radar Waveforms

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

Frequency Hopping Radar Test Waveform

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

Table 3-8: Parameters for Frequency Hopping Radar Waveforms

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

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

3.5. Conducted Test Setup

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

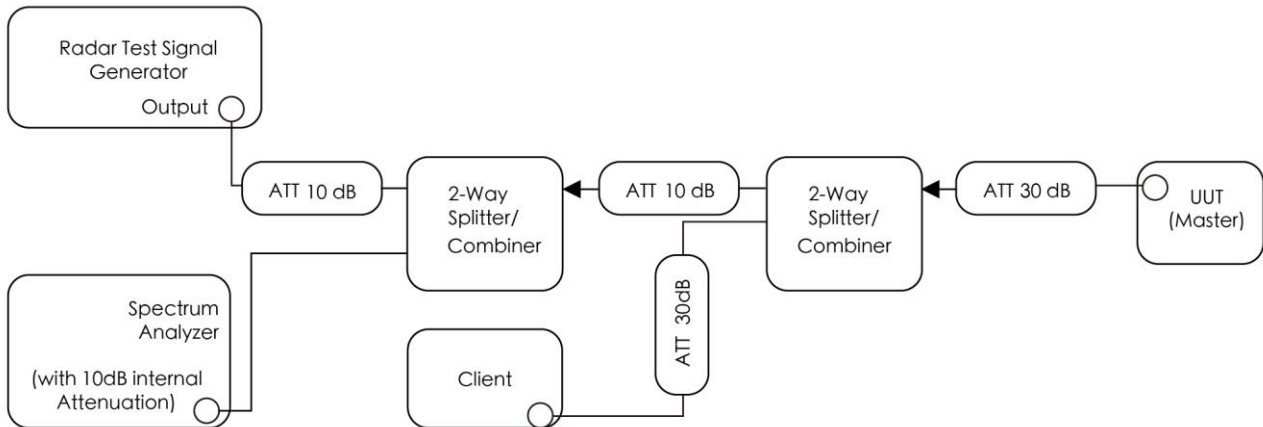


Figure 3-1: Conducted Test Setup where UUT is a Master and Radar Test Waveforms are injected into the Masters

4. Measuring Instrument

Dynamic Frequency Selection – (WZ-SR4)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Signal Analyzer	Keysight	N9010B	MRTSUE07027	1 year	2024-10-23
Shielding Room	HUAMING	WZ-SR4	MRTSUE06441	N/A	N/A
Thermohygrometer	Testo	608-H1	MRTSUE11256	1 year	2024-10-19
Signal Generator	Keysight	N5182B	MRTSUE06451	1 year	2024-06-29

Client Information

Instrument	Manufacturer	Type No.
Wireless Network Adapter	Intel	Intel(R) Wi-Fi 6 AX200 160MHz

Software	Version	Manufacturer	Function
Pulse Building	N/A	Agilent	Radar Signal Generation Software
DFS Tool	V 6.9.2	Agilent	DFS Test Software
N7607C Signal Studio for DFS Radar Profiles	V 2.2.0.0	Keysight	DFS Test Software

5. Decision Rules and Measurement Uncertainty

5.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Time
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 4.34%

6. Test Result

6.1. Summary

Parameter	Verdict	Reference
NII Detection Bandwidth Measurement	Pass	Section 6.3
Statistical Performance Check	Pass	Section 6.4

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

6.2. Radar Waveform Calibration Measurement

6.2.1. Calibration Setup

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

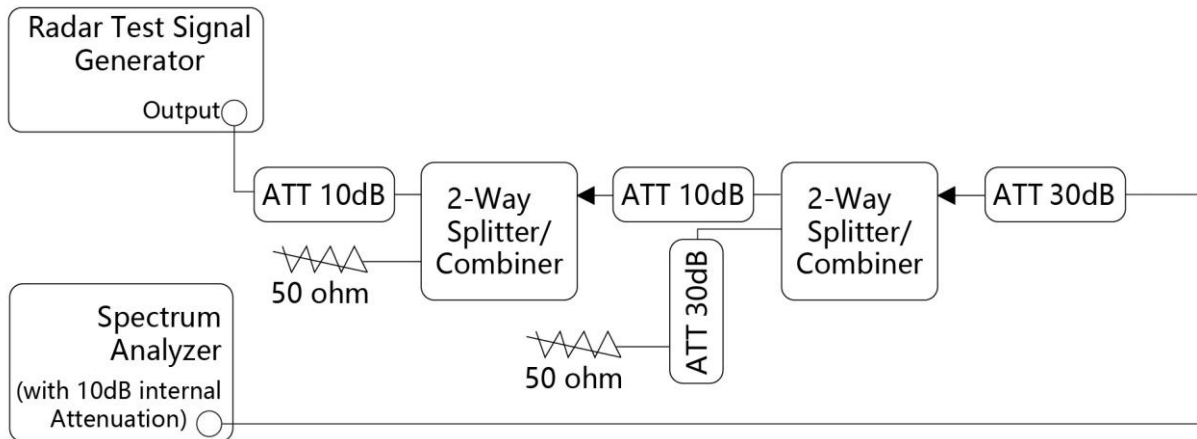


Figure 3-2: Conducted Test Setup

6.2.2. Calibration Procedure

The Interference Radar Detection Threshold Level is $(-64\text{dBm}) + (0) [\text{dBi}] + 1 \text{ dB} = -63 \text{ dBm}$ that had been taken into account the output power range and antenna gain. The above equipment setup was used to calibrate the conducted Radar Waveform. A vector signal generator was utilized to establish the test signal level for each radar type. During this process there were replace 50ohm terminal form Master and Client device and no transmissions by either the Master or Client Device. The spectrum analyzer was switched to the zero span (Time Domain) at the frequency of the Radar Waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to at least 3MHz. The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was $(-64\text{dBm}) + (0) [\text{dBi}] + 1 \text{ dB} = -63\text{dBm}$. Capture the spectrum analyzer plots on short pulse radar types, long pulse radar type and hopping radar waveform.

6.2.3. Calibration & Channel Loading Result

Refer to Appendix A.1 & A.2.

6.3. NII Detection Bandwidth Measurement

6.3.1. 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.

6.3.2. Test Procedure

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

EUT does not comply with DFS requirements.

6.3.3. Test Result

Refer to Appendix A.3.

6.4. Statistical Performance Check Measurement

6.4.1. 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: $(P_{d1} + P_{d2} + P_{d3} + P_{d4}) / 4$.

6.4.2. 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

6.4.3. Test Result

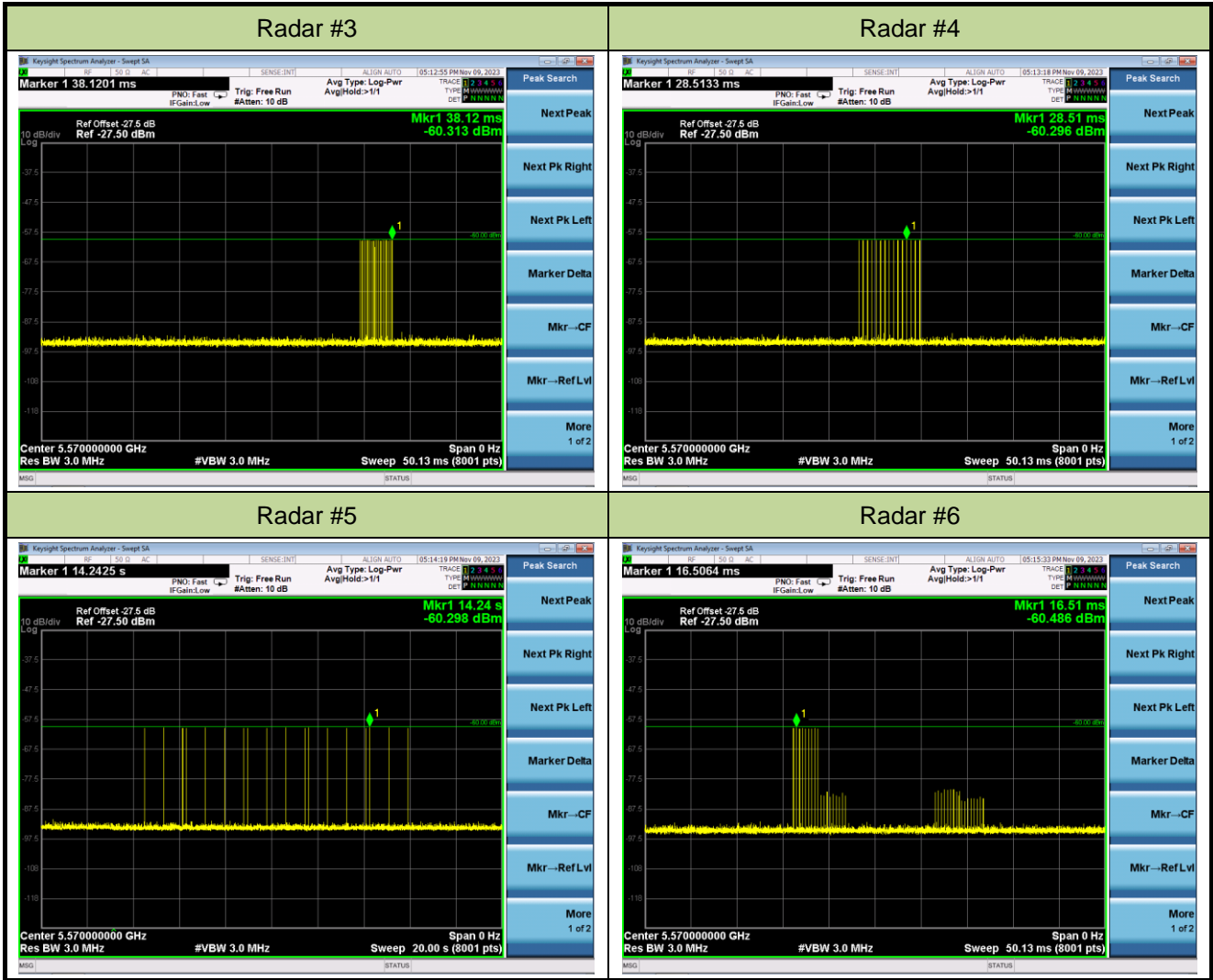
Refer to Appendix A.4.

Appendix A – Test Result

A.1 Calibration Test Result

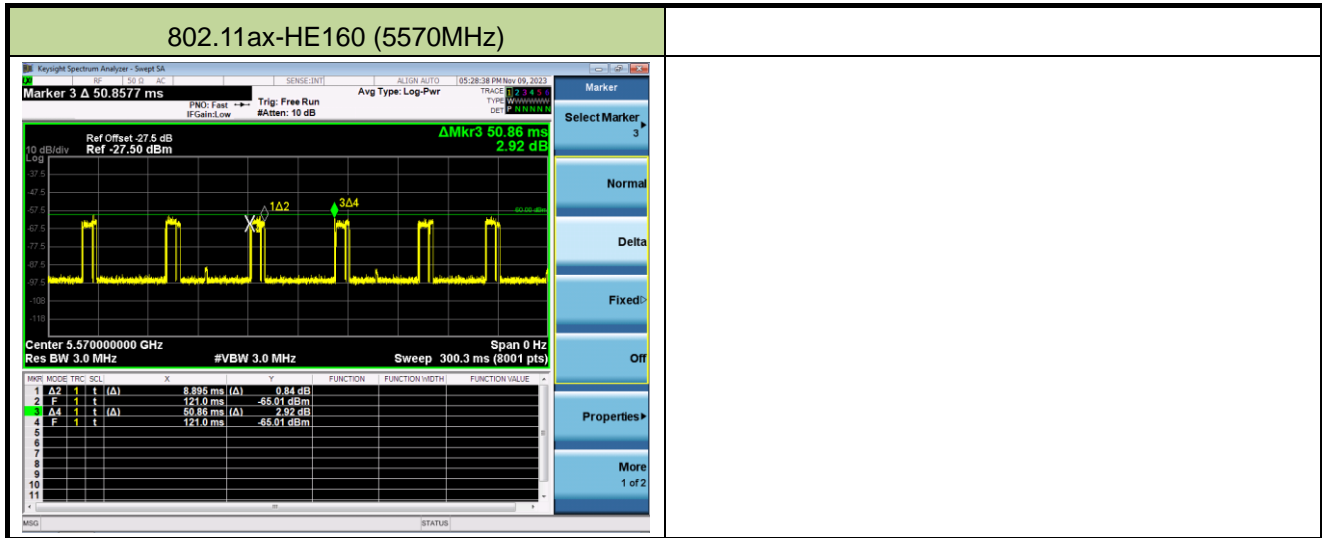
Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2023-11-09	Test Item	Radar Waveform Calibration





A.2 Channel Loading Test Result

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2023-11-09	Test Item	Channel Loading



Test Mode	Test Frequency	Packet ratio	Requirement ratio	Test Result
802.11ax-HE160	5570 MHz	17.49%	≥ 17%	Pass

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

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

A.3 NII Detection Bandwidth Test Result

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2023-11-09		
Test Item	Detection Bandwidth (802.11ax-HE160 mode - 5570MHz)		

Radar Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										Detection Rate
	1	2	3	4	5	6	7	8	9	10	
5490	0	0	0	0	0	0	0	0	0	0	0%
5491 FL	1	1	1	1	1	1	1	1	1	1	100%
5492	1	1	1	1	1	1	1	1	1	1	100%
5493	1	1	1	1	1	1	1	1	1	1	100%
5494	1	1	1	1	1	1	1	1	1	1	100%
5495	1	1	1	1	1	1	1	1	1	1	100%
5505	1	1	1	1	1	1	1	1	1	1	100%
5510	1	1	1	1	1	1	1	1	1	1	100%
5515	1	1	1	1	1	1	1	1	1	1	100%
5520	1	1	1	1	1	1	1	1	1	1	100%
5525	1	1	1	1	1	1	1	1	1	1	100%
5530	1	1	1	1	1	1	1	1	1	1	100%
5535	1	1	1	1	1	1	1	1	1	1	100%
5540	1	1	1	1	1	1	1	1	1	1	100%
5545	1	1	1	1	1	1	1	1	1	1	100%
5550	1	1	1	1	1	1	1	1	1	1	100%
5555	1	1	1	1	1	1	1	1	1	1	100%
5560	1	1	1	1	1	1	1	1	1	1	100%
5565	1	1	1	1	1	1	1	1	1	1	100%
5570	1	1	1	1	1	1	1	1	1	1	100%
5575	1	1	1	1	1	1	1	1	1	1	100%
5580	1	1	1	1	1	1	1	1	1	1	100%
5585	1	1	1	1	1	1	1	1	1	1	100%
5590	1	1	1	1	1	1	1	1	1	1	100%
5595	1	1	1	1	1	1	1	1	1	1	100%
5600	1	1	1	1	1	1	1	1	1	1	100%
5605	1	1	1	1	1	1	1	1	1	1	100%
5610	1	1	1	1	1	1	1	1	1	1	100%
5615	1	1	1	1	1	1	1	1	1	1	100%
5620	1	1	1	1	1	1	1	1	1	1	100%
5625	1	1	1	1	1	1	1	1	1	1	100%

5630	1	1	1	1	1	1	1	1	1	1	100%
5635	1	1	1	1	1	1	1	1	1	1	100%
5640	1	1	1	1	1	1	1	1	1	1	100%
5645	1	1	1	1	1	1	1	1	1	1	100%
5646	1	1	1	1	1	1	1	1	1	1	100%
5647	1	1	1	1	1	1	1	1	1	1	100%
5648	1	1	1	1	1	1	1	1	1	1	100%
5649 FH	1	1	1	1	1	1	1	1	1	1	100%
5650	0	0	0	0	0	0	0	0	0	0	0%

Note 1: All NII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5570MHz. The 99% channel bandwidth is 155.36MHz. (See the 99% BW section of the RF report for further measurement details).

Note 2: Detection Bandwidth = FH - FL = 5649MHz - 5491MHz = 158MHz.

Note 3: NII Detection Bandwidth Min. Limit (MHz): 155.36MHz x 100% = 155.36MHz.

A.4 Statistical Performance Check

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2023-11-09~2023-11-10		
Test Item	Radar Statistical Performance Check (802.11ax-HE160 – 5570MHz)		

Radar Type 1-4 - Radar Statistical Performance								
Trial	Radar Type 1		Radar Type 2		Radar Type 3		Radar Type 4	
	Frequen cy (MHz)	1=detect 0=no detect	Frequenc y (MHz)	1=detect 0=no detect	Frequenc y (MHz)	1=detect 0=no detect	Frequenc y (MHz)	1=detect 0=no detect
0	5607	1	5618	1	5649	1	5491	1
1	5618	1	5596	1	5567	1	5517	1
2	5548	1	5570	0	5608	1	5529	1
3	5604	1	5600	1	5611	0	5609	1
4	5617	1	5649	0	5614	1	5547	0
5	5634	1	5518	1	5500	1	5514	1
6	5497	1	5547	0	5597	1	5519	1
7	5566	1	5641	1	5637	1	5561	1
8	5561	1	5509	1	5498	0	5545	1
9	5507	1	5517	1	5642	1	5620	1
10	5551	1	5588	1	5538	0	5494	1
11	5522	1	5623	1	5616	1	5548	1
12	5635	1	5596	1	5547	1	5527	1
13	5499	1	5620	1	5628	1	5649	1
14	5621	1	5562	1	5510	0	5545	0
15	5595	1	5534	0	5591	1	5600	0
16	5491	1	5621	1	5602	1	5632	1
17	5542	1	5491	0	5645	0	5561	1
18	5605	1	5523	1	5521	1	5570	1
19	5534	1	5500	1	5595	1	5501	1
20	5570	0	5548	1	5542	1	5613	1
21	5504	1	5553	1	5631	1	5601	1
22	5538	1	5584	1	5491	1	5632	0
23	5628	1	5610	1	5494	1	5538	1
24	5612	1	5511	1	5568	1	5516	1
25	5649	1	5579	1	5572	1	5589	1

Radar Type 1-4 - Radar Statistical Performance								
Trial	Radar Type 1		Radar Type 2		Radar Type 3		Radar Type 4	
	Frequen cy (MHz)	1=detect 0=no detect	Frequenc y (MHz)	1=detect 0=no detect	Frequenc y (MHz)	1=detect 0=no detect	Frequenc y (MHz)	1=detect 0=no detect
26	5537	1	5588	1	5631	0	5567	1
27	5541	1	5544	1	5562	0	5572	1
28	5593	1	5555	1	5587	1	5625	1
29	5501	1	5639	0	5570	1	5610	1
Probability:	96.7%		80.0%		76.7%		86.7%	
Aggregate:	85.025% ($\geq 80\%$)							

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)
0	Type 1	1.0	678.0	78	52884.0	0	Type 2	1.3	225.0	23	5175.0
1	Type 1	1.0	858.0	62	53196.0	1	Type 2	2.5	178.0	25	4450.0
2	Type 1	1.0	778.0	68	52904.0	2	Type 2	4.1	187.0	28	5236.0
3	Type 1	1.0	758.0	70	53060.0	3	Type 2	3.2	206.0	26	5356.0
4	Type 1	1.0	798.0	67	53466.0	4	Type 2	1.4	154.0	23	3542.0
5	Type 1	1.0	558.0	95	53010.0	5	Type 2	5.0	200.0	29	5800.0
6	Type 1	1.0	898.0	59	52982.0	6	Type 2	1.1	185.0	23	4255.0
7	Type 1	1.0	658.0	81	53298.0	7	Type 2	4.0	214.0	28	5992.0
8	Type 1	1.0	518.0	102	52836.0	8	Type 2	2.8	217.0	26	5642.0
9	Type 1	1.0	638.0	83	52954.0	9	Type 2	3.2	203.0	26	5278.0
10	Type 1	1.0	3066.0	18	55186.0	10	Type 2	4.4	174.0	28	4872.0
11	Type 1	1.0	818.0	65	53170.0	11	Type 2	3.1	170.0	26	4420.0
12	Type 1	1.0	878.0	61	53558.0	12	Type 2	1.5	196.0	23	4508.0
13	Type 1	1.0	578.0	92	53176.0	13	Type 2	2.1	193.0	24	4632.0
14	Type 1	1.0	738.0	72	53136.0	14	Type 2	3.0	224.0	26	5824.0
15	Type 1	1.0	1066.0	50	53300.0	15	Type 2	3.2	175.0	26	4550.0
16	Type 1	1.0	1382.0	39	53898.0	16	Type 2	1.5	176.0	23	4048.0
17	Type 1	1.0	1227.0	44	53988.0	17	Type 2	4.9	150.0	29	4350.0
18	Type 1	1.0	2312.0	23	53176.0	18	Type 2	4.7	198.0	29	5742.0
19	Type 1	1.0	2926.0	19	55594.0	19	Type 2	4.2	177.0	28	4956.0
20	Type 1	1.0	835.0	64	53440.0	20	Type 2	3.8	179.0	27	4833.0
21	Type 1	1.0	2951.0	18	53118.0	21	Type 2	2.7	156.0	25	3900.0
22	Type 1	1.0	1129.0	47	53063.0	22	Type 2	2.2	222.0	25	5550.0
23	Type 1	1.0	2949.0	18	53082.0	23	Type 2	3.7	197.0	27	5319.0
24	Type 1	1.0	1717.0	31	53227.0	24	Type 2	2.6	228.0	25	5700.0
25	Type 1	1.0	1807.0	30	54210.0	25	Type 2	4.2	194.0	28	5432.0
26	Type 1	1.0	2831.0	19	53789.0	26	Type 2	1.8	161.0	24	3864.0
27	Type 1	1.0	1615.0	33	53295.0	27	Type 2	3.6	212.0	27	5724.0
28	Type 1	1.0	2948.0	18	53064.0	28	Type 2	1.4	162.0	23	3726.0
29	Type 1	1.0	646.0	82	52972.0	29	Type 2	1.7	191.0	24	4584.0

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)
0	Type 3	6.3	251.0	16	4016.0	0	Type 4	11.8	251.0	12	3012.0
1	Type 3	7.5	233.0	17	3961.0	1	Type 4	14.4	233.0	13	3029.0
2	Type 3	9.1	474.0	18	8532.0	2	Type 4	18.0	474.0	15	7110.0
3	Type 3	8.2	467.0	17	7939.0	3	Type 4	15.9	467.0	14	6538.0
4	Type 3	6.4	334.0	16	5344.0	4	Type 4	11.9	334.0	12	4008.0
5	Type 3	10.0	202.0	18	3636.0	5	Type 4	20.0	202.0	16	3232.0
6	Type 3	6.1	391.0	16	6256.0	6	Type 4	11.3	391.0	12	4692.0
7	Type 3	9.0	281.0	18	5058.0	7	Type 4	17.8	281.0	15	4215.0
8	Type 3	7.8	470.0	17	7990.0	8	Type 4	15.0	470.0	14	6580.0
9	Type 3	8.2	348.0	17	5916.0	9	Type 4	15.9	348.0	14	4872.0
10	Type 3	9.4	437.0	18	7866.0	10	Type 4	18.7	437.0	16	6992.0
11	Type 3	8.1	330.0	17	5610.0	11	Type 4	15.8	330.0	14	4620.0
12	Type 3	6.5	326.0	16	5216.0	12	Type 4	12.2	326.0	12	3912.0
13	Type 3	7.1	228.0	16	3648.0	13	Type 4	13.5	228.0	13	2964.0
14	Type 3	8.0	204.0	17	3468.0	14	Type 4	15.6	204.0	14	2856.0
15	Type 3	8.2	349.0	17	5933.0	15	Type 4	16.0	349.0	14	4886.0
16	Type 3	6.5	475.0	16	7600.0	16	Type 4	12.2	475.0	12	5700.0
17	Type 3	9.9	244.0	18	4392.0	17	Type 4	19.6	244.0	16	3904.0
18	Type 3	9.7	263.0	18	4734.0	18	Type 4	19.4	263.0	16	4208.0
19	Type 3	9.2	443.0	18	7974.0	19	Type 4	18.1	443.0	15	6645.0
20	Type 3	8.8	369.0	18	6642.0	20	Type 4	17.3	369.0	15	5535.0
21	Type 3	7.7	368.0	17	6256.0	21	Type 4	14.8	368.0	14	5152.0
22	Type 3	7.2	344.0	16	5504.0	22	Type 4	13.7	344.0	13	4472.0
23	Type 3	8.7	365.0	17	6205.0	23	Type 4	17.0	365.0	15	5475.0
24	Type 3	7.6	377.0	17	6409.0	24	Type 4	14.6	377.0	13	4901.0
25	Type 3	9.2	323.0	18	5814.0	25	Type 4	18.1	323.0	15	4845.0
26	Type 3	6.8	366.0	16	5856.0	26	Type 4	12.9	366.0	13	4758.0
27	Type 3	8.6	241.0	17	4097.0	27	Type 4	16.8	241.0	15	3615.0
28	Type 3	6.4	484.0	16	7744.0	28	Type 4	11.9	484.0	12	5808.0
29	Type 3	6.7	287.0	16	4592.0	29	Type 4	12.7	287.0	12	3444.0

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	5570	0	15	5496.2	1
1	5570	1	16	5493.8	1
2	5570	1	17	5499	1
3	5570	1	18	5498.6	1
4	5570	1	19	5497.8	1
5	5570	1	20	5642.6	0
6	5570	1	21	5644.6	1
7	5570	1	22	5645.4	1
8	5570	1	23	5643	1
9	5570	1	24	5644.6	1
10	5498.2	1	25	5642.2	1
11	5496.2	1	26	5645.8	1
12	5493.8	0	27	5643	1
13	5494.6	1	28	5646.6	1
14	5496.2	1	29	5645.8	1
Detection Percentage (%)			90.0%		

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)
443009.0	54.5	6	1	1891.0	-	-
765498.0	69.1	6	2	1019.0	1616.0	-
1086975.0	89.0	6	3	1197.0	1400.0	1578.0
80252.0	77.3	6	2	1419.0	1541.0	-
403229.0	55.3	6	1	1904.0	-	-
725015.0	99.5	6	3	1524.0	1243.0	1206.0
1049581.0	51.7	6	1	1238.0	-	-
40485.0	87.6	6	3	1172.0	1460.0	1077.0
363009.0	72.2	6	2	1583.0	1952.0	-

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)
514019.0	77.0	11	2	1773.0	1123.0	-
754419.0	92.5	11	3	1879.0	1300.0	1602.0
573.0	76.7	11	2	1081.0	1381.0	-
242838.0	56.6	11	1	1101.0	-	-
484729.0	64.1	11	1	1870.0	-	-
726275.0	75.5	11	2	1269.0	1332.0	-
968046.0	77.7	11	2	1473.0	1261.0	-
212954.0	57.0	11	1	1304.0	-	-
454049.0	97.7	11	3	1345.0	1314.0	1102.0
695165.0	96.2	11	3	1407.0	1107.0	1968.0
936157.0	89.3	11	3	1732.0	1927.0	1303.0
182665.0	85.0	11	3	1096.0	1245.0	1433.0

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)
262796.0	71.0	17	2	1187.0	1467.0	-
444592.0	65.3	17	1	1529.0	-	-
604706.0	83.0	17	2	1044.0	1805.0	-
101902.0	69.9	17	2	1425.0	1315.0	-
262346.0	89.5	17	3	1018.0	1340.0	1844.0
424717.0	60.6	17	1	1535.0	-	-
584416.0	82.3	17	2	1818.0	1552.0	-
82195.0	54.9	17	1	1710.0	-	-
243580.0	59.5	17	1	1403.0	-	-
404174.0	77.2	17	2	1209.0	1431.0	-
566179.0	62.4	17	1	1516.0	-	-
62097.0	96.6	17	3	1142.0	1155.0	1895.0
223804.0	55.9	17	1	1111.0	-	-
362818.0	92.1	17	3	1611.0	1925.0	1729.0
544778.0	81.1	17	2	1986.0	1393.0	-
42257.0	97.4	17	3	1954.0	1250.0	1759.0
203330.0	82.8	17	2	1838.0	1201.0	-
363988.0	70.3	17	2	1916.0	1656.0	-

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)
630263.0	69.9	13	2	1742.0	1923.0	-
27152.0	63.5	13	1	1089.0	-	-
220571.0	69.5	13	2	1039.0	1286.0	-
412948.0	63.5	13	3	1258.0	1472.0	1685.0
605776.0	67.4	13	3	1874.0	1291.0	1416.0
3275.0	78.8	13	2	1845.0	1582.0	-
196376.0	73.6	13	2	1971.0	1835.0	-
389928.0	81.2	13	2	1356.0	1531.0	-
583561.0	76.5	13	2	1294.0	1171.0	-
778052.0	52.3	13	1	1374.0	-	-
173182.0	65.5	13	1	1076.0	-	-
366031.0	79.9	13	2	1441.0	1627.0	-
559195.0	80.5	13	2	1388.0	1847.0	-
752077.0	83.3	13	2	1915.0	1699.0	-
149012.0	81.1	13	2	1638.0	1054.0	-

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)
571198.0	69.1	6	2	1763.0	1427.0	-
892674.0	63.6	6	3	1103.0	1871.0	1890.0
1217818.0	53.7	6	1	1641.0	-	-
209057.0	56.0	6	1	1928.0	-	-
532059.0	57.3	6	1	1691.0	-	-
855102.0	65.9	6	1	1570.0	-	-
1175785.0	68.9	6	3	1883.0	1064.0	1236.0
169202.0	69.5	6	2	1378.0	1177.0	-
491643.0	82.6	6	2	1735.0	1672.0	-

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)
366177.0	62.7	20	1	1875.0	-	-
509093.0	99.8	20	3	1571.0	1167.0	1650.0
58019.0	80.0	20	2	1661.0	1872.0	-
202641.0	80.2	20	2	1880.0	1772.0	-
348716.0	50.6	20	1	1175.0	-	-
492895.0	72.0	20	2	1423.0	1031.0	-
40117.0	94.5	20	3	1791.0	1668.0	1301.0
185098.0	80.4	20	2	1364.0	1408.0	-
329866.0	74.3	20	2	1253.0	1662.0	-
474311.0	77.4	20	2	1406.0	1970.0	-
22408.0	76.3	20	2	1498.0	1323.0	-
167258.0	75.7	20	2	1640.0	1124.0	-
312917.0	65.5	20	1	1214.0	-	-
455482.0	87.5	20	3	1816.0	1405.0	1469.0
4565.0	78.0	20	2	1991.0	1217.0	-
149808.0	54.1	20	1	1198.0	-	-
293765.0	96.4	20	3	1016.0	1007.0	1756.0
439735.0	58.2	20	1	1918.0	-	-
583341.0	84.1	20	3	1030.0	1159.0	1210.0
131649.0	79.9	20	2	1271.0	1156.0	-

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)
692199.0	89.5	5	3	1382.0	1268.0	1792.0
1056295.0	79.7	5	2	1092.0	1398.0	-
1417843.0	96.7	5	3	1188.0	1267.0	1771.0
285104.0	79.1	5	2	1263.0	1585.0	-
648870.0	65.4	5	1	1326.0	-	-
1010654.0	86.9	5	3	1097.0	1207.0	1526.0
1375216.0	58.5	5	1	1985.0	-	-
240391.0	77.3	5	2	1098.0	1664.0	-

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)
283134.0	91.4	17	3	1034.0	1211.0	1225.0
453925.0	75.4	17	2	1015.0	1784.0	-
625531.0	54.3	17	1	1576.0	-	-
91855.0	81.1	17	2	1547.0	1448.0	-
261994.0	94.1	17	3	1094.0	1452.0	1342.0
432087.0	86.9	17	3	1194.0	1625.0	1334.0
603229.0	70.8	17	2	1375.0	1671.0	-
70766.0	87.6	17	3	1470.0	1202.0	1220.0
240740.0	98.9	17	3	1484.0	1549.0	1677.0
410689.0	93.4	17	3	1272.0	1659.0	1964.0
582650.0	80.5	17	2	1176.0	1365.0	-
49943.0	54.4	17	1	1806.0	-	-
220846.0	57.9	17	1	1352.0	-	-
390172.0	85.2	17	3	1043.0	1777.0	1310.0
562809.0	55.5	17	1	1075.0	-	-
28916.0	53.1	17	1	1643.0	-	-
199878.0	57.0	17	1	1072.0	-	-

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)
484785.0	55.4	12	1	1646.0	-	-
708071.0	53.6	12	1	1894.0	-	-
10266.0	96.1	12	3	1813.0	1631.0	1837.0
233425.0	75.8	12	2	1192.0	1863.0	-
457240.0	51.8	12	1	1682.0	-	-
680870.0	61.0	12	1	1462.0	-	-
904778.0	57.6	12	1	1067.0	-	-
206335.0	54.7	12	1	1290.0	-	-
428530.0	89.7	12	3	1721.0	1360.0	1141.0
651009.0	93.1	12	3	1739.0	1920.0	1087.0
874975.0	83.0	12	2	1584.0	1857.0	-
178849.0	53.1	12	1	1023.0	-	-
402131.0	50.9	12	1	1812.0	-	-

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)
542502.0	64.8	13	1	1065.0	-	-
735779.0	63.8	13	1	1596.0	-	-
130975.0	63.5	13	1	1829.0	-	-
324091.0	67.1	13	2	1383.0	1592.0	-
516635.0	89.0	13	3	1377.0	1468.0	1299.0
709631.0	98.9	13	3	1288.0	1503.0	1380.0
106905.0	73.0	13	2	1567.0	1938.0	-
299891.0	95.3	13	3	1556.0	1143.0	1308.0
493445.0	81.6	13	2	1444.0	1755.0	-
687028.0	78.6	13	2	1309.0	1502.0	-
83337.0	66.6	13	1	1335.0	-	-
275514.0	90.4	13	3	1774.0	1976.0	1979.0
470494.0	55.3	13	1	1752.0	-	-
664074.0	52.9	13	1	1776.0	-	-
59397.0	77.8	13	2	1017.0	1386.0	-

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)
199376.0	79.6	18	2	1002.0	1635.0	-
352195.0	71.9	18	2	1049.0	1086.0	-
505702.0	54.2	18	1	1079.0	-	-
28049.0	74.2	18	2	1493.0	1137.0	-
180098.0	93.6	18	3	1166.0	1612.0	1560.0
332794.0	72.1	18	2	1858.0	1404.0	-
486906.0	60.0	18	1	1028.0	-	-
9241.0	83.3	18	2	1967.0	1914.0	-
162069.0	62.4	18	1	1581.0	-	-
315114.0	51.5	18	1	1080.0	-	-
466236.0	89.6	18	3	1115.0	1327.0	1055.0
620381.0	64.4	18	1	1653.0	-	-
142559.0	96.8	18	3	1718.0	1525.0	1370.0
295163.0	76.3	18	2	1934.0	1519.0	-
449203.0	54.4	18	1	1068.0	-	-
598937.0	93.8	18	3	1842.0	1056.0	1504.0
123710.0	87.8	18	3	1864.0	1978.0	1371.0
275999.0	84.5	18	3	1575.0	1724.0	1062.0
428674.0	97.9	18	3	1105.0	1058.0	1385.0

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)
790217.0	78.6	13	2	1936.0	1010.0	-
143174.0	66.7	13	2	1521.0	1515.0	-
349388.0	91.0	13	3	1790.0	2000.0	1523.0
556544.0	90.8	13	3	1487.0	1628.0	1339.0
762542.0	96.3	13	3	1554.0	1897.0	1903.0
117901.0	56.6	13	1	1274.0	-	-
324939.0	80.1	13	2	1240.0	1447.0	-
532924.0	61.8	13	1	1479.0	-	-
738880.0	73.8	13	2	1827.0	1465.0	-
92156.0	75.0	13	2	1325.0	1590.0	-
299362.0	79.5	13	2	1753.0	1078.0	-
505259.0	85.4	13	3	1996.0	1716.0	1312.0
712699.0	96.6	13	3	1203.0	1802.0	1093.0
66736.0	58.0	13	1	1632.0	-	-

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)
426550.0	79.9	7	2	1100.0	1506.0	-
748881.0	75.1	7	2	1594.0	1744.0	-
1072165.0	67.7	7	2	1285.0	1161.0	-
63965.0	88.9	7	3	1037.0	1940.0	1438.0
387004.0	58.8	7	1	1886.0	-	-
710017.0	59.5	7	1	1708.0	-	-
1031619.0	78.8	7	2	1770.0	1690.0	-
24326.0	54.7	7	1	1047.0	-	-
346895.0	80.6	7	2	1328.0	1834.0	-

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)
548341.0	51.0	9	1	1464.0	-	-
812701.0	65.6	9	1	1284.0	-	-
1073358.0	99.5	9	3	1461.0	1860.0	1617.0
251032.0	84.5	9	3	1235.0	1179.0	1379.0
514993.0	76.3	9	2	1321.0	1836.0	-
779058.0	68.9	9	2	1751.0	1057.0	-
1043048.0	77.2	9	2	1555.0	1158.0	-
218451.0	84.8	9	3	1528.0	1128.0	1657.0
482246.0	78.8	9	2	1833.0	1892.0	-
747293.0	55.9	9	1	1727.0	-	-
1012106.0	57.4	9	1	1025.0	-	-

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)
146348.0	74.4	13	2	1130.0	1013.0	-
353848.0	61.0	13	1	1815.0	-	-
559322.0	88.7	13	3	1222.0	1799.0	1796.0
767600.0	81.1	13	2	1804.0	1275.0	-
120965.0	58.0	13	1	1012.0	-	-
327884.0	67.5	13	2	1762.0	1125.0	-
535871.0	63.4	13	1	1605.0	-	-
743629.0	60.3	13	1	1302.0	-	-
94996.0	86.3	13	3	1633.0	1133.0	1775.0
302792.0	58.2	13	1	1676.0	-	-
509693.0	83.0	13	2	1454.0	1189.0	-
717504.0	66.1	13	1	1966.0	-	-
69541.0	93.0	13	3	1276.0	1707.0	1354.0
277327.0	56.4	13	1	1396.0	-	-

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)
451522.0	66.8	13	2	1376.0	1738.0	-
646348.0	51.2	13	1	1190.0	-	-
41106.0	86.7	13	3	1497.0	1947.0	1009.0
234853.0	54.9	13	1	1726.0	-	-
427321.0	79.0	13	2	1995.0	1852.0	-
620732.0	74.9	13	2	1540.0	1899.0	-
17376.0	69.1	13	2	1259.0	1505.0	-
210716.0	73.8	13	2	1798.0	1021.0	-
403676.0	86.1	13	3	1091.0	1252.0	1230.0
596514.0	90.0	13	3	1768.0	1120.0	1112.0
790407.0	75.2	13	2	1389.0	1766.0	-
186469.0	96.9	13	3	1212.0	1620.0	1831.0
380210.0	72.2	13	2	1557.0	1331.0	-
574812.0	53.7	13	1	1113.0	-	-
765528.0	92.9	13	3	1145.0	1185.0	1942.0

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)
271825.0	96.6	7	3	1488.0	1249.0	1888.0
594054.0	90.2	7	3	1545.0	1569.0	1566.0
918567.0	50.6	7	1	1384.0	-	-
1239386.0	79.5	7	2	1959.0	1808.0	-
232188.0	89.1	7	3	1110.0	1741.0	1445.0
554592.0	83.6	7	3	1168.0	1492.0	1466.0
877525.0	68.8	7	2	1684.0	1597.0	-
1199337.0	86.5	7	3	1349.0	1700.0	1082.0
192492.0	86.6	7	3	1819.0	1154.0	1264.0

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)
231048.0	80.8	20	2	1579.0	1955.0	-
375250.0	91.4	20	3	1173.0	1634.0	1456.0
519193.0	96.1	20	3	1363.0	1702.0	1820.0
68603.0	68.5	20	2	1511.0	1709.0	-
213166.0	68.5	20	2	1998.0	1713.0	-
358468.0	72.3	20	2	1539.0	1032.0	-
503110.0	68.0	20	2	1648.0	1224.0	-
50643.0	99.5	20	3	1911.0	1293.0	1563.0
196194.0	56.4	20	1	1140.0	-	-
340578.0	78.0	20	2	1244.0	1401.0	-
486286.0	59.5	20	1	1624.0	-	-
32934.0	67.6	20	2	1553.0	1889.0	-
177454.0	90.5	20	3	1040.0	1483.0	1471.0
322546.0	79.9	20	2	1757.0	1234.0	-
466851.0	99.9	20	3	1061.0	1392.0	1162.0
15116.0	81.0	20	2	1637.0	1644.0	-
159611.0	88.4	20	3	1459.0	1420.0	1257.0
305306.0	50.5	20	1	1824.0	-	-
449668.0	75.0	20	2	1603.0	1170.0	-
593076.0	98.8	20	3	1355.0	1270.0	1593.0

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)
142388.0	55.9	19	1	1706.0	-	-
287635.0	61.2	19	1	1410.0	-	-
431135.0	95.3	19	3	1348.0	1256.0	1126.0
577426.0	59.7	19	1	1993.0	-	-
124308.0	67.4	19	2	1329.0	1368.0	-
268408.0	89.7	19	3	1436.0	1132.0	1825.0
414217.0	68.1	19	2	1418.0	1020.0	-
557980.0	82.4	19	2	1982.0	1701.0	-
106115.0	86.7	19	3	1948.0	1361.0	1346.0
251672.0	53.9	19	1	1882.0	-	-
396307.0	72.8	19	2	1157.0	1369.0	-
538534.0	98.0	19	3	1896.0	1873.0	1715.0
88854.0	64.8	19	1	1118.0	-	-
234038.0	50.1	19	1	1282.0	-	-
377657.0	74.2	19	2	1906.0	1884.0	-
522136.0	87.6	19	3	1181.0	1723.0	1024.0
70714.0	78.9	19	2	1532.0	1686.0	-
216098.0	50.6	19	1	1430.0	-	-
361400.0	55.3	19	1	1215.0	-	-
506681.0	63.7	19	1	1148.0	-	-

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)
58796.0	71.9	17	2	1499.0	1688.0	-
219701.0	75.8	17	2	1429.0	1788.0	-
380527.0	90.5	17	3	1014.0	1199.0	1146.0
540051.0	94.2	17	3	1251.0	1893.0	1868.0
38949.0	94.3	17	3	1090.0	1508.0	1036.0
199890.0	75.2	17	2	1692.0	1495.0	-
361842.0	56.1	17	1	1280.0	-	-
523088.0	60.3	17	1	1446.0	-	-
19202.0	50.7	17	1	1530.0	-	-
179770.0	98.6	17	3	1029.0	1786.0	1474.0
341671.0	50.7	17	1	1850.0	-	-
501506.0	83.0	17	2	1969.0	1737.0	-
661831.0	93.9	17	3	1414.0	1533.0	1223.0
159833.0	87.7	17	3	1306.0	1642.0	1957.0
321164.0	80.7	17	2	1512.0	1673.0	-
481785.0	69.6	17	2	1599.0	1990.0	-
641669.0	96.2	17	3	1337.0	1338.0	1877.0
140170.0	86.4	17	3	1663.0	1200.0	1536.0

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)
319927.0	51.0	16	1	1482.0	-	-
489771.0	78.9	16	2	1313.0	1598.0	-
661279.0	54.2	16	1	1830.0	-	-
127430.0	85.7	16	3	1781.0	1119.0	1960.0
298886.0	62.8	16	1	1476.0	-	-
469672.0	52.5	16	1	1559.0	-	-
640405.0	55.1	16	1	1655.0	-	-
106931.0	61.5	16	1	1943.0	-	-
277815.0	52.8	16	1	1546.0	-	-
446809.0	90.4	16	3	1913.0	1397.0	1109.0
619488.0	55.6	16	1	1517.0	-	-
86000.0	62.2	16	1	1136.0	-	-
256890.0	52.1	16	1	1226.0	-	-
426050.0	87.7	16	3	1277.0	1485.0	1333.0
595153.0	95.3	16	3	1689.0	1705.0	1999.0
64947.0	61.2	16	1	1122.0	-	-
235506.0	76.9	16	2	1046.0	1174.0	-

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)
531121.0	80.1	11	2	1191.0	1746.0	-
754377.0	70.8	11	2	1619.0	1204.0	-
57393.0	51.0	11	1	1542.0	-	-
280819.0	65.4	11	1	1789.0	-	-
502949.0	92.2	11	3	1196.0	1060.0	1930.0
726054.0	83.6	11	3	1151.0	1357.0	1367.0
29865.0	57.7	11	1	1477.0	-	-
253031.0	81.6	11	2	1681.0	1074.0	-
475119.0	88.2	11	3	1933.0	1005.0	1980.0
700402.0	53.1	11	1	1496.0	-	-
2326.0	89.9	11	3	1975.0	1134.0	1266.0
225879.0	54.1	11	1	1358.0	-	-
448544.0	77.1	11	2	1428.0	1736.0	-

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)
794678.0	69.4	9	2	1320.0	1178.0	-
1060058.0	54.5	9	1	1052.0	-	-
233744.0	91.5	9	3	1411.0	1733.0	1537.0
497127.0	92.5	9	3	1565.0	1909.0	1341.0
761017.0	99.7	9	3	1051.0	1218.0	1865.0
1025440.0	76.5	9	2	1422.0	1814.0	-
201843.0	59.5	9	1	1717.0	-	-
465174.0	86.2	9	3	1319.0	1000.0	1344.0
730128.0	63.0	9	1	1780.0	-	-
991541.0	87.9	9	3	1610.0	1618.0	1548.0
168823.0	89.0	9	3	1946.0	1255.0	1609.0

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)
297622.0	82.8	15	2	1022.0	1131.0	-
478239.0	72.4	15	2	1421.0	1917.0	-
660637.0	65.7	15	1	1856.0	-	-
93981.0	54.6	15	1	1543.0	-	-
274676.0	88.6	15	3	1011.0	1169.0	1614.0
455424.0	96.4	15	3	1527.0	1518.0	1127.0
638288.0	63.0	15	1	1854.0	-	-
71362.0	87.8	15	3	1544.0	1391.0	1318.0
252755.0	82.7	15	2	1073.0	1623.0	-
434588.0	60.8	15	1	1683.0	-	-
615934.0	50.5	15	1	1859.0	-	-
49074.0	98.9	15	3	1160.0	1591.0	1639.0
229603.0	95.1	15	3	1574.0	1898.0	1908.0
411839.0	71.0	15	2	1003.0	1395.0	-
593481.0	58.8	15	1	1989.0	-	-
26770.0	95.3	15	3	1394.0	1961.0	1841.0

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)
255906.0	96.5	11	3	1184.0	1586.0	1350.0
480407.0	54.0	11	1	1001.0	-	-
702280.0	74.6	11	2	1651.0	1654.0	-
5568.0	99.4	11	3	1652.0	1939.0	2000.0
229094.0	65.3	11	1	1538.0	-	-
452636.0	57.3	11	1	1457.0	-	-
675184.0	75.8	11	2	1714.0	1071.0	-
898240.0	71.0	11	2	1006.0	1926.0	-
201464.0	51.1	11	1	1997.0	-	-
424195.0	70.7	11	2	1994.0	1432.0	-
648356.0	59.6	11	1	1840.0	-	-
869478.0	88.1	11	3	1793.0	1336.0	1149.0
173645.0	68.8	11	2	1867.0	1728.0	-

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)
266837.0	51.6	17	1	1743.0	-	-
446011.0	90.7	17	3	1809.0	1085.0	1951.0
608744.0	67.1	17	2	1180.0	1242.0	-
105434.0	82.9	17	2	1767.0	1696.0	-
267153.0	62.0	17	1	1295.0	-	-
427834.0	82.7	17	2	1121.0	1248.0	-
589011.0	69.8	17	2	1066.0	1231.0	-
85630.0	67.8	17	2	1919.0	1481.0	-
247058.0	53.1	17	1	1878.0	-	-
406387.0	93.1	17	3	1876.0	1595.0	1507.0
567493.0	91.8	17	3	1228.0	1956.0	1063.0
65666.0	90.1	17	3	1453.0	1783.0	1665.0
227175.0	52.1	17	1	1945.0	-	-
387619.0	71.5	17	2	1513.0	1754.0	-
550147.0	66.2	17	1	1292.0	-	-
46064.0	68.8	17	2	1042.0	1437.0	-
207586.0	55.7	17	1	1083.0	-	-
367420.0	96.5	17	3	1373.0	1069.0	1510.0

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)
953974.0	71.5	8	2	1262.0	1704.0	-
47207.0	90.8	8	3	1216.0	1807.0	1232.0
337734.0	81.2	8	2	1254.0	1153.0	-
628744.0	63.0	8	1	1347.0	-	-
918607.0	82.1	8	2	1088.0	1366.0	-
11490.0	88.4	8	3	1048.0	1450.0	1221.0
301487.0	88.6	8	3	1558.0	1608.0	1108.0
592125.0	73.7	8	2	1680.0	1305.0	-
882508.0	75.4	8	2	1144.0	1748.0	-
1170751.0	96.6	8	3	1730.0	1974.0	1324.0

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)
165858.0	94.8	15	3	1489.0	1260.0	1027.0
347794.0	53.5	15	1	1725.0	-	-
527849.0	67.8	15	2	1900.0	1839.0	-
708470.0	86.7	15	3	1550.0	1208.0	1372.0
143798.0	75.0	15	2	1561.0	1004.0	-
324868.0	68.9	15	2	1722.0	1316.0	-
505627.0	81.0	15	2	1782.0	1851.0	-
687372.0	70.2	15	2	1139.0	1703.0	-
121237.0	83.5	15	3	1070.0	1135.0	1785.0
303345.0	65.9	15	1	1084.0	-	-
483382.0	83.0	15	2	1649.0	1905.0	-
663246.0	88.3	15	3	1750.0	1711.0	1409.0
98938.0	89.0	15	3	1213.0	1279.0	1588.0
280493.0	77.5	15	2	1165.0	1195.0	-
460858.0	93.4	15	3	1415.0	1038.0	1463.0
644048.0	61.0	15	1	1311.0	-	-

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)
136694.0	82.9	6	2	1941.0	1229.0	-
460010.0	59.3	6	1	1116.0	-	-
783018.0	63.2	6	1	1281.0	-	-
1103467.0	85.9	6	3	1606.0	1719.0	1106.0
97077.0	59.6	6	1	1509.0	-	-
420070.0	52.1	6	1	1562.0	-	-
741291.0	95.4	6	3	1810.0	1572.0	1362.0
1064843.0	74.3	6	2	1629.0	1458.0	-
57130.0	88.2	6	3	1803.0	1449.0	1988.0

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)
341193.0	97.3	8	3	1613.0	1848.0	1666.0
631098.0	87.6	8	3	1907.0	1695.0	1317.0
921002.0	88.7	8	3	1434.0	1963.0	1424.0
15750.0	58.5	8	1	1514.0	-	-
305864.0	78.8	8	2	1826.0	1866.0	-
595428.0	94.4	8	3	1811.0	1246.0	1797.0
884866.0	88.4	8	3	1475.0	1967.0	1962.0
1178231.0	57.3	8	1	1720.0	-	-
270321.0	73.3	8	2	1621.0	1205.0	-
560678.0	73.1	8	2	1486.0	1330.0	-

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 (%)		100.0%	

Type 6 Radar Waveform_0

Frequency List (MHz)	0	1	2	3	4
0	5309	5386	5262	5718	5363
5	5379	5547	5434	5588	5292
10	5438	5500	5496	5413	5308
15	5253	5713	5291	5272	5250
20	5459	5568	5578	5426	5596
25	5480	5285	5579	5724	5608
30	5667	5502	5639	5338	5581
35	5503	5478	5429	5449	5709
40	5321	5366	5589	5517	5352
45	5673	5694	5464	5397	5620
50	5418	5543	5549	5390	5284
55	5508	5414	5399	5259	5555
60	5655	5719	5562	5697	5435
65	5494	5497	5280	5611	5681
70	5582	5604	5310	5354	5688
75	5377	5491	5520	5704	5471
80	5275	5514	5698	5342	5411
85	5440	5666	5373	5488	5372
90	5302	5437	5701	5509	5695
95	5625	5590	5629	5684	5692

Type 6 Radar Waveform_1

Frequency List (MHz)	0	1	2	3	4
0	5564	5625	5673	5404	5680
5	5421	5569	5509	5276	5499
10	5272	5289	5537	5608	5329
15	5341	5365	5297	5695	5442
20	5370	5606	5430	5551	5692
25	5545	5683	5486	5613	5291
30	5594	5624	5717	5316	5380
35	5454	5377	5656	5489	5268
40	5532	5647	5346	5318	5600
45	5410	5251	5484	5340	5573
50	5671	5507	5366	5493	5578
55	5713	5698	5708	5388	5555
60	5500	5487	5642	5542	5288
65	5686	5258	5645	5300	5449
70	5597	5684	5431	5483	5269
75	5701	5333	5326	5709	5601
80	5301	5393	5631	5305	5506
85	5720	5491	5439	5571	5653
90	5378	5277	5659	5620	5257
95	5407	5312	5345	5694	5722

Type 6 Radar Waveform_2

Frequency List (MHz)	0	1	2	3	4
0	5344	5389	5609	5565	5425
5	5463	5591	5584	5439	5328
10	5678	5553	5675	5350	5332
15	5492	5400	5265	5634	5378
20	5473	5547	5519	5524	5580
25	5397	5314	5590	5647	5430
30	5483	5581	5457	5586	5545
35	5270	5431	5403	5679	5615
40	5488	5489	5315	5602	5549
45	5683	5468	5304	5371	5594
50	5274	5722	5596	5664	5340
55	5291	5667	5316	5527	5719
60	5517	5720	5445	5319	5585
65	5635	5672	5477	5656	5578
70	5521	5583	5309	5280	5459
75	5703	5670	5356	5469	5690
80	5614	5557	5460	5694	5269
85	5429	5601	5365	5698	5685
90	5294	5343	5384	5311	5541
95	5558	5357	5619	5285	5518

Type 6 Radar Waveform_3

Frequency List (MHz)	0	1	2	3	4
0	5599	5628	5545	5251	5267
5	5505	5516	5659	5535	5609
10	5439	5716	5523	5371	5420
15	5619	5503	5310	5351	5386
20	5639	5488	5511	5497	5724
25	5517	5694	5681	5472	5372
30	5538	5672	5717	5406	5658
35	5636	5541	5584	5317	5518
40	5320	5426	5254	5409	5531
45	5432	5388	5429	5260	5470
50	5450	5298	5307	5487	5284
55	5479	5621	5506	5690	5646
60	5410	5723	5391	5312	5708
65	5687	5451	5666	5604	5435
70	5662	5542	5476	5515	5671
75	5561	5338	5624	5282	5644
80	5504	5328	5318	5553	5399
85	5363	5589	5508	5326	5667
90	5374	5674	5269	5416	5430
95	5366	5425	5502	5294	5684

Type 6 Radar Waveform_4

Frequency List (MHz)	0	1	2	3	4
0	5379	5392	5481	5315	5487
5	5644	5538	5259	5668	5267
10	5443	5703	5282	5621	5508
15	5271	5606	5258	5543	5297
20	5708	5429	5600	5470	5673
25	5720	5323	5715	5514	5358
30	5398	5491	5604	5700	5349
35	5337	5262	5328	5357	5403
40	5364	5494	5406	5363	5412
45	5471	5313	5523	5346	5626
50	5396	5688	5667	5575	5696
55	5661	5300	5432	5555	5692
60	5477	5513	5533	5647	5519
65	5343	5562	5287	5652	5453
70	5411	5511	5596	5658	5338
75	5594	5345	5641	5441	5407
80	5584	5388	5510	5518	5450
85	5611	5312	5493	5683	5679
90	5391	5254	5350	5314	5409
95	5469	5623	5500	5506	5532

Type 6 Radar Waveform_5

Frequency List (MHz)	0	1	2	3	4
0	5537	5631	5417	5476	5329
5	5686	5463	5334	5356	5571
10	5374	5492	5323	5341	5413
15	5596	5301	5709	5303	5260
20	5305	5399	5467	5592	5443
25	5622	5525	5448	5524	5274
30	5556	5722	5355	5530	5643
35	5424	5364	5440	5705	5512
40	5717	5671	5486	5302	5259
45	5403	5292	5392	5554	5545
50	5366	5313	5600	5327	5400
55	5485	5511	5550	5380	5529
60	5411	5362	5632	5332	5265
65	5377	5387	5518	5520	5336
70	5482	5683	5351	5613	5365
75	5359	5638	5415	5680	5580
80	5480	5716	5326	5633	5590
85	5372	5375	5477	5505	5636
90	5407	5426	5702	5386	5404
95	5384	5607	5363	5499	5694

Type 6 Radar Waveform_6

Frequency List (MHz)	0	1	2	3	4
0	5317	5492	5353	5637	5549
5	5253	5485	5409	5519	5303
10	5683	5281	5364	5536	5434
15	5587	5428	5715	5348	5452
20	5313	5468	5408	5681	5416
25	5413	5474	5651	5628	5308
30	5695	5611	5312	5270	5417
35	5622	5503	5531	5501	5665
40	5631	5510	5666	5402	5400
45	5599	5372	5506	5419	5675
50	5476	5451	5574	5334	5397
55	5471	5483	5601	5559	5461
60	5430	5322	5694	5441	5466
65	5537	5431	5719	5561	5643
70	5528	5624	5515	5529	5363
75	5539	5352	5361	5711	5482
80	5544	5568	5635	5356	5310
85	5365	5411	5351	5455	5632
90	5330	5505	5350	5422	5522
95	5318	5585	5641	5690	5669

Type 6 Radar Waveform_7

Frequency List (MHz)	0	1	2	3	4
0	5572	5256	5289	5323	5391
5	5295	5410	5484	5585	5510
10	5614	5545	5405	5455	5675
15	5555	5343	5393	5266	5699
20	5634	5349	5673	5389	5301
25	5326	5282	5257	5342	5262
30	5597	5269	5485	5569	5442
35	5642	5622	5297	5446	5274
40	5653	5397	5528	5352	5720
45	5564	5472	5465	5679	5502
50	5663	5632	5341	5659	5437
55	5316	5378	5477	5590	5595
60	5364	5526	5267	5412	5360
65	5380	5658	5300	5600	5707
70	5518	5717	5498	5321	5384
75	5515	5692	5522	5495	5708
80	5631	5551	5688	5682	5374
85	5514	5694	5409	5625	5596
90	5511	5665	5610	5434	5539
95	5419	5399	5483	5627	5303

Type 6 Radar Waveform_8

Frequency List (MHz)	0	1	2	3	4
0	5352	5495	5700	5484	5611
5	5434	5432	5559	5273	5717
10	5545	5431	5446	5451	5476
15	5288	5682	5341	5458	5707
20	5703	5387	5287	5362	5567
25	5275	5485	5361	5376	5304
30	5486	5701	5603	5343	5640
35	5684	5713	5568	5593	5556
40	5285	5357	5591	5407	5491
45	5457	5332	5328	5622	5525
50	5380	5553	5374	5358	5663
55	5372	5391	5506	5672	5448
60	5719	5309	5455	5561	5329
65	5694	5570	5627	5294	5693
70	5521	5702	5668	5504	5673
75	5299	5605	5397	5316	5532
80	5271	5688	5524	5609	5659
85	5460	5653	5348	5286	5614
90	5699	5492	5543	5474	5383
95	5478	5606	5406	5562	5308

Type 6 Radar Waveform_9

Frequency List (MHz)	0	1	2	3	4
0	5510	5259	5636	5645	5453
5	5476	5357	5634	5436	5546
10	5379	5695	5487	5549	5497
15	5376	5334	5386	5650	5715
20	5394	5328	5279	5335	5455
25	5602	5688	5562	5410	5443
30	5472	5658	5343	5495	5460
35	5348	5426	5461	5271	5470
40	5599	5440	5529	5550	5488
45	5289	5312	5411	5583	5481
50	5617	5482	5556	5604	5463
55	5656	5607	5560	5723	5491
60	5419	5373	5450	5254	5287
65	5401	5384	5278	5255	5435
70	5462	5430	5366	5679	5621
75	5454	5669	5416	5637	5624
80	5704	5654	5551	5449	5561
85	5563	5591	5397	5326	5527
90	5414	5643	5451	5620	5374
95	5652	5573	5367	5509	5382

Type 6 Radar Waveform_10

Frequency List (MHz)	0	1	2	3	4
0	5290	5498	5572	5331	5673
5	5518	5379	5709	5599	5278
10	5310	5484	5625	5269	5367
15	5364	5652	5431	5723	5560
20	5368	5308	5721	5454	5416
25	5666	5444	5485	5361	5615
30	5558	5280	5487	5517	5257
35	5424	5384	5438	5620	5370
40	5315	5693	5670	5494	5641
45	5534	5504	5358	5655	5552
50	5479	5273	5677	5314	5688
55	5293	5405	5296	5594	5317
60	5347	5585	5702	5669	5645
65	5708	5535	5665	5624	5303
70	5375	5509	5275	5635	5328
75	5253	5705	5628	5442	5526
80	5283	5305	5457	5492	5465
85	5577	5366	5616	5626	5634
90	5664	5687	5584	5448	5274
95	5467	5612	5580	5353	5649

Type 6 Radar Waveform_11

Frequency List (MHz)	0	1	2	3	4
0	5545	5262	5508	5395	5515
5	5560	5304	5309	5665	5485
10	5716	5273	5666	5464	5539
15	5455	5491	5658	5476	5559
20	5634	5629	5307	5360	5281
25	5609	5403	5619	5295	5478
30	5527	5250	5572	5298	5421
35	5529	5608	5528	5674	5374
40	5703	5308	5555	5482	5525
45	5650	5577	5699	5587	5294
50	5709	5336	5706	5641	5302
55	5398	5461	5631	5504	5507
60	5264	5534	5305	5426	5715
65	5293	5311	5651	5705	5477
70	5511	5607	5724	5627	5621
75	5334	5292	5418	5616	5580
80	5363	5486	5317	5505	5523
85	5494	5622	5420	5613	5419
90	5350	5661	5306	5632	5704
95	5516	5639	5432	5647	5349

Type 6 Radar Waveform_12

Frequency List (MHz)	0	1	2	3	4
0	5325	5501	5444	5556	5260
5	5699	5326	5384	5353	5314
10	5550	5537	5707	5659	5560
15	5543	5618	5286	5424	5276
20	5642	5320	5723	5449	5254
25	5497	5255	5347	5399	5512
30	5666	5711	5529	5416	5670
35	5298	5668	5421	5352	5309
40	5688	5311	5721	5479	5454
45	5630	5660	5640	5656	5585
50	5282	5503	5720	5649	5694
55	5710	5663	5470	5661	5258
60	5541	5336	5609	5600	5644
65	5687	5419	5301	5259	5252
70	5476	5500	5293	5447	5412
75	5464	5597	5473	5267	5481
80	5665	5520	5673	5397	5561
85	5383	5330	5703	5598	5471
90	5641	5310	5545	5328	5343
95	5591	5639	5594	5496	5316

Type 6 Radar Waveform_13

Frequency List (MHz)	0	1	2	3	4
0	5483	5265	5380	5717	5577
5	5266	5251	5459	5516	5521
10	5481	5326	5273	5379	5581
15	5631	5270	5389	5469	5468
20	5650	5664	5441	5702	5288
25	5679	5453	5503	5546	5708
30	5600	5486	5347	5496	5332
35	5315	5692	5505	5698	5527
40	5394	5659	5463	5573	5383
45	5610	5268	5718	5693	5446
50	5364	5688	5333	5539	5409
55	5523	5681	5317	5635	5606
60	5662	5367	5282	5335	5549
65	5680	5519	5689	5495	5373
70	5720	5352	5325	5476	5252
75	5319	5532	5607	5578	5512
80	5645	5253	5420	5393	5300
85	5403	5443	5522	5668	5424
90	5371	5636	5675	5658	5419
95	5263	5274	5497	5307	5321

Type 6 Radar Waveform_14

Frequency List (MHz)	0	1	2	3	4
0	5263	5504	5316	5403	5322
5	5308	5273	5534	5679	5253
10	5412	5687	5314	5477	5602
15	5719	5397	5492	5514	5282
20	5561	5555	5702	5530	5675
25	5651	5531	5656	5704	5580
30	5275	5489	5443	5371	5596
35	5471	5406	5488	5280	5709
40	5366	5574	5597	5703	5570
45	5690	5590	5351	5301	5271
50	5333	5715	5389	5384	5624
55	5511	5453	5493	5599	5342
60	5446	5325	5648	5494	5290
65	5633	5498	5716	5254	5581
70	5298	5445	5328	5355	5552
75	5452	5686	5288	5652	5559
80	5289	5304	5712	5417	5685
85	5300	5617	5536	5475	5619
90	5402	5326	5272	5612	5540
95	5528	5377	5329	5481	5438

Type 6 Radar Waveform_15

Frequency List (MHz)	0	1	2	3	4
0	5518	5268	5252	5564	5639
5	5350	5673	5512	5270	5557
10	5721	5476	5355	5672	5623
15	5710	5427	5595	5559	5474
20	5569	5624	5643	5522	5648
25	5442	5383	5384	5333	5614
30	5414	5475	5400	5586	5273
35	5514	5513	5594	5284	5433
40	5680	5657	5535	5468	5567
45	5619	5570	5434	5262	5702
50	5598	5591	5565	5435	5447
55	5455	5641	5314	5636	5526
60	5478	5490	5593	5326	5649
65	5359	5655	5561	5376	5576
70	5401	5428	5645	5635	5297
75	5321	5637	5541	5609	5560
80	5405	5678	5659	5466	5334
85	5501	5429	5392	5600	5491
90	5278	5646	5325	5540	5394
95	5465	5336	5652	5339	5304

Type 6 Radar Waveform_16

Frequency List (MHz)	0	1	2	3	4
0	5298	5507	5663	5250	5384
5	5489	5695	5587	5433	5289
10	5652	5265	5396	5392	5644
15	5323	5554	5601	5666	5577
20	5315	5584	5611	5621	5330
25	5332	5437	5551	5456	5364
30	5357	5704	5522	5334	5685
35	5586	5537	5616	5473	5708
40	5564	5451	5453	5517	5320
45	5280	5485	5467	5266	5486
50	5270	5302	5354	5401	5407
55	5455	5497	5607	5655	5538
60	5633	5514	5692	5657	5493
65	5691	5296	5646	5379	5686
70	5300	5458	5404	5604	5464
75	5618	5318	5719	5341	5565
80	5539	5411	5600	5581	5501
85	5429	5369	5383	5640	5420
90	5656	5284	5583	5682	5649
95	5439	5546	5709	5525	5399

Type 6 Radar Waveform_17

Frequency List (MHz)	0	1	2	3	4
0	5553	5271	5599	5411	5701
5	5531	5620	5662	5596	5496
10	5486	5529	5534	5587	5665
15	5681	5704	5552	5383	5488
20	5384	5525	5603	5594	5659
25	5315	5541	5585	5498	5253
30	5314	5444	5674	5629	5316
35	5301	5448	5361	5548	5455
40	5445	5376	5561	5380	5433
45	5600	5378	5333	5275	5721
50	5442	5537	5419	5471	5542
55	5355	5597	5652	5468	5261
60	5345	5483	5562	5340	5638
65	5630	5538	5657	5286	5461
70	5574	5563	5476	5440	5510
75	5473	5354	5254	5602	5408
80	5320	5581	5489	5621	5334
85	5434	5618	5346	5387	5617
90	5467	5283	5428	5494	5530
95	5607	5504	5260	5509	5517

Type 6 Radar Waveform_18

Frequency List (MHz)	0	1	2	3	4
0	5711	5510	5535	5572	5446
5	5573	5642	5262	5284	5325
10	5417	5318	5575	5307	5686
15	5499	5333	5332	5597	5496
20	5550	5563	5692	5567	5484
25	5608	5421	5267	5619	5637
30	5714	5271	5659	5448	5352
35	5358	5392	5719	5514	5462
40	5294	5528	5252	5616	5655
45	5309	5413	5683	5339	5386
50	5618	5588	5508	5568	5255
55	5312	5471	5342	5390	5525
60	5394	5641	5584	5391	5666
65	5338	5363	5452	5369	5561
70	5326	5259	5522	5445	5560
75	5653	5580	5250	5367	5378
80	5321	5665	5405	5612	5282
85	5677	5388	5564	5438	5511
90	5393	5554	5349	5295	5549
95	5505	5486	5555	5589	5721

Type 6 Radar Waveform_19

Frequency List (MHz)	0	1	2	3	4
0	5491	5274	5471	5636	5288
5	5615	5567	5337	5447	5532
10	5348	5679	5616	5405	5707
15	5490	5363	5435	5545	5292
20	5504	5619	5684	5540	5372
25	5460	5624	5371	5653	5603
30	5703	5399	5600	5647	5497
35	5483	5612	5667	5376	5608
40	5611	5665	5381	5652	5393
45	5291	5397	5439	5427	5473
50	5319	5639	5597	5592	5512
55	5346	5263	5502	5290	5313
60	5519	5675	5470	5701	5564
65	5627	5407	5340	5702	5645
70	5700	5641	5621	5355	5650
75	5710	5481	5317	5680	5699
80	5561	5477	5634	5485	5350
85	5305	5332	5387	5599	5433
90	5642	5676	5588	5706	5404
95	5559	5604	5595	5403	5365

Type 6 Radar Waveform_20

Frequency List (MHz)	0	1	2	3	4
0	5271	5513	5407	5322	5508
5	5279	5589	5412	5264	5657
10	5468	5600	5253	5578	5490
15	5538	5590	5484	5415	5310
20	5445	5298	5610	5638	5312
25	5352	5475	5687	5721	5660
30	5517	5374	5370	5636	5671
35	5408	5442	5387	5544	5694
40	5603	5524	5649	5545	5373
45	5455	5492	5314	5252	5495
50	5690	5686	5359	5534	5692
55	5487	5284	5648	5365	5533
60	5390	5573	5608	5289	5641
65	5380	5444	5693	5341	5664
70	5499	5440	5286	5325	5367
75	5542	5587	5512	5413	5302
80	5527	5625	5510	5393	5585
85	5456	5366	5405	5525	5491
90	5576	5659	5579	5398	5722
95	5476	5682	5670	5502	5656

Type 6 Radar Waveform_21

Frequency List (MHz)	0	1	2	3	4
0	5526	5277	5343	5483	5350
5	5321	5514	5487	5676	5568
10	5588	5257	5698	5320	5274
15	5666	5617	5544	5635	5423
20	5476	5290	5583	5261	5555
25	5579	5721	5288	5478	5665
30	5300	5287	5679	5595	5301
35	5383	5399	5541	5289	5646
40	5377	5353	5457	5416	5545
45	5603	5671	5266	5397	5616
50	5303	5722	5549	5407	5306
55	5633	5680	5530	5365	5691
60	5519	5431	5713	5677	5687
65	5387	5327	5667	5348	5662
70	5255	5413	5523	5531	5600
75	5293	5338	5299	5380	5535
80	5720	5475	5444	5358	5654
85	5508	5559	5373	5525	5593
90	5714	5563	5296	5701	5302
95	5497	5499	5683	5567	5504

Type 6 Radar Waveform_22

Frequency List (MHz)	0	1	2	3	4
0	5684	5613	5279	5644	5570
5	5363	5536	5562	5364	5300
10	5519	5521	5264	5515	5295
15	5269	5647	5680	5490	5431
20	5545	5424	5379	5556	5317
25	5588	5283	5305	5280	5427
30	5367	5574	5472	5388	5342
35	5378	5475	5273	5690	5697
40	5482	5479	5529	5643	5306
45	5333	5540	5474	5501	5466
50	5372	5486	5439	5625	5435
55	5503	5597	5600	5604	5334
60	5695	5402	5294	5614	5465
65	5632	5662	5616	5422	5657
70	5525	5459	5410	5292	5672
75	5638	5358	5602	5468	5504
80	5308	5710	5549	5405	5539
85	5296	5442	5668	5319	5498
90	5437	5343	5398	5606	5696
95	5514	5593	5633	5634	5610

Type 6 Radar Waveform_23

Frequency List (MHz)	0	1	2	3	4
0	5464	5377	5690	5330	5412
5	5502	5461	5637	5527	5507
10	5353	5310	5305	5710	5316
15	5270	5396	5275	5628	5682
20	5342	5711	5365	5371	5529
25	5680	5537	5389	5409	5314
30	5469	5531	5687	5452	5683
35	5481	5368	5523	5701	5536
40	5565	5417	5294	5640	5691
45	5623	5532	5554	5256	5355
50	5548	5575	5262	5569	5457
55	5419	5463	5385	5347	5601
60	5440	5508	5455	5611	5652
65	5254	5706	5295	5424	5614
70	5317	5571	5588	5699	5485
75	5723	5293	5259	5668	5636
80	5558	5629	5308	5449	5379
85	5672	5386	5520	5530	5515
90	5268	5724	5349	5567	5562
95	5526	5692	5395	5356	5487

Type 6 Radar Waveform_24

Frequency List (MHz)	0	1	2	3	4
0	5719	5616	5626	5491	5632
5	5544	5483	5712	5593	5714
10	5284	5671	5346	5333	5337
15	5358	5426	5378	5673	5399
20	5350	5305	5403	5460	5502
25	5471	5389	5592	5513	5348
30	5511	5717	5488	5330	5701
35	5406	5620	5560	5639	5676
40	5615	5375	5270	5355	5437
45	5259	5542	5706	5493	5607
50	5618	5609	5724	5419	5664
55	5416	5336	5411	5405	5546
60	5550	5292	5433	5363	5454
65	5656	5688	5464	5344	5509
70	5700	5382	5395	5273	5276
75	5443	5708	5563	5715	5586
80	5258	5287	5668	5571	5478
85	5521	5651	5530	5492	5551
90	5526	5564	5300	5280	5266
95	5404	5612	5465	5541	5629

Type 6 Radar Waveform_25

Frequency List (MHz)	0	1	2	3	4
0	5499	5380	5562	5652	5474
5	5586	5408	5312	5281	5543
10	5593	5460	5484	5528	5358
15	5446	5553	5481	5718	5591
20	5471	5344	5549	5475	5359
25	5716	5320	5617	5382	5650
30	5606	5445	5545	5378	5701
35	5662	5651	5435	5354	5529
40	5311	5353	5671	5677	5256
45	5314	5551	5660	5485	5425
50	5470	5375	5286	5360	5427
55	5365	5595	5420	5721	5715
60	5334	5265	5664	5400	5509
65	5627	5296	5614	5297	5368
70	5398	5597	5469	5710	5412
75	5413	5544	5492	5468	5367
80	5422	5350	5665	5649	5417
85	5441	5616	5454	5303	5690
90	5532	5501	5657	5389	5283
95	5459	5596	5363	5423	5257

Type 6 Radar Waveform_26

Frequency List (MHz)	0	1	2	3	4
0	5279	5619	5498	5716	5694
5	5628	5430	5387	5444	5275
10	5524	5724	5525	5723	5379
15	5534	5680	5487	5288	5308
20	5269	5540	5285	5541	5448
25	5625	5665	5523	5343	5416
30	5692	5592	5402	5627	5521
35	5326	5364	5328	5507	5436
40	5609	5442	5253	5303	5631
45	5397	5713	5295	5361	5601
50	5464	5584	5682	5615	5319
55	5310	5254	5391	5278	5405
60	5572	5490	5443	5458	5663
65	5506	5590	5466	5451	5401
70	5446	5445	5669	5284	5376
75	5459	5481	5623	5489	5510
80	5662	5369	5474	5259	5544
85	5536	5484	5408	5551	5406
90	5635	5535	5539	5300	5514
95	5677	5261	5360	5433	5583

Type 6 Radar Waveform_27

Frequency List (MHz)	0	1	2	3	4
0	5437	5383	5434	5402	5439
5	5292	5355	5462	5607	5482
10	5455	5513	5566	5443	5400
15	5525	5332	5590	5711	5500
20	5277	5706	5323	5630	5421
25	5517	5251	5447	5450	5259
30	5481	5359	5304	5719	5465
35	5599	5282	5454	5464	5519
40	5547	5682	5250	5707	5611
45	5480	5667	5291	5560	5712
50	5302	5572	5553	5407	5626
55	5328	5273	5451	5362	5570
60	5699	5501	5413	5389	5406
65	5338	5301	5393	5538	5673
70	5628	5253	5496	5602	5506
75	5521	5591	5404	5653	5573
80	5659	5564	5377	5576	5507
85	5449	5459	5324	5708	5571
90	5641	5472	5510	5414	5569
95	5661	5256	5284	5463	5631

Type 6 Radar Waveform_28

Frequency List (MHz)	0	1	2	3	4
0	5692	5622	5370	5563	5281
5	5334	5377	5537	5673	5311
10	5289	5302	5607	5638	5421
15	5613	5459	5693	5285	5300
20	5264	5394	5401	5466	5357
25	5551	5484	5398	5316	5618
30	5553	5539	5604	5546	5395
35	5435	5368	5303	5699	5485
40	5350	5722	5636	5591	5628
45	5447	5491	5478	5623	5642
50	5705	5473	5516	5702	5690
55	5270	5333	5536	5260	5644
60	5714	5335	5704	5356	5548
65	5571	5671	5707	5423	5504
70	5522	5397	5587	5600	5616
75	5648	5487	5676	5701	5660
80	5342	5656	5381	5280	5515
85	5567	5445	5317	5413	5572
90	5431	5261	5647	5506	5681
95	5619	5624	5645	5629	5263

Type 6 Radar Waveform_29

Frequency List (MHz)	0	1	2	3	4
0	5472	5386	5306	5724	5501
5	5376	5399	5612	5361	5518
10	5695	5663	5648	5261	5442
15	5701	5489	5321	5326	5409
20	5671	5466	5680	5711	5367
25	5667	5318	5560	5655	5440
30	5356	5273	5358	5705	5262
35	5646	5637	5666	5588	5379
40	5714	5307	5423	5590	5341
45	5468	5474	5686	5300	5712
50	5654	5674	5256	5431	5417
55	5704	5656	5405	5564	5682
60	5665	5425	5640	5540	5281
65	5430	5305	5380	5463	5377
70	5304	5506	5604	5371	5373
75	5449	5569	5316	5453	5441
80	5699	5556	5576	5280	5357
85	5530	5282	5345	5251	5426
90	5653	5443	5631	5448	5679
95	5527	5620	5572	5649	5296

Appendix B – Test Setup Photograph

Refer to “2308RSU066-UT” file.

Appendix C – EUT Photograph

Refer to “2308RSU066-UE” file.

————— The End —————