DFS MEASUREMENT REPORT

FCC ID:	Q9DAPEX057457
Applicant:	Hewlett Packard Enterprise Company
Product:	ACCESS POINT
Model No.:	APEX0574, APEX0575, APEX0577
Brand Name:	aruba a Hewlett Packard Enterprise company, Hewlett Packard Enterprise
FCC Classification:	Unlicensed National Information Infrastructure (NII)
FCC Rule Part(s):	Part 15 Subpart E (Section 15.407)
Result:	Complies
Test Date:	2022-08-28 ~ 2022-08-29

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.

Revision History

Report No.	Version	Description	Issue Date	Note
2208RSU009-U1	Rev. 01	Initial Report	2022-09-06	Valid

Note 1: This report was based on original report no. 2003TW0002-U5. Now the product added the zero-wait DFS (ZWDFS) features that is intended to prevent temporary network outages to perform CAC on DFS channels when changing channels. When enabled, the AP will perform a CAC check on the target channel, while still operating on the current channel. If radar is not detected on the target channel over the zero-wait CAC time, then the AP will move network operation to the target channel. The ZWDFS feature does not affect the AP's normal DFS response to radars on the operating channel.

Note 2: The following test plan is setup in the following manner:

1, Verify the statistical performance check on the target channel with the ZWDFS feature enabled.

2, Verify the statistical performance check on the operating Channel with the ZWDFS feature enabled.

3, Verify the ZWDFS CAC time.

CONTENTS

1. General Information

1.1. Applicant

Hewlett Packard Enterprise Company

3333 Scott Blvd, Santa Clara, CA 95054, USA

1.2. Manufacturer

Hewlett Packard Enterprise Company

3333 Scott Blvd, Santa Clara, CA 95054, USA

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: L3261-190725				
	FCC: 291082, TW3261		ISED: TW3261		

1.4. Product Information

Product Name	ACCESS POINT
Model No.	APEX0574, APEX0575, APEX0577
Serial No.	CNJSKV3029
Software Version	ArubaOS_8.10.0.3_84735
Wi-Fi Specification	802.11a/b/g/n/ac/ax
Bluetooth Specification	v4.2 single mode
Zigbee Specification	802.15.4
Antenna Information	Refer to Selection 1.7
Operating Temperature	-40 ~ 65 °C
Power Type	PoE input
Operating Environment	Outdoor Use
Remark: 1, The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer. 2, The difference between three models is that EUT use different antenna and appearance, other hardware and software are the same. Each model has its own power parameter value. 3, We selected product model APIN0575 that has lowest antenna gain to perform the DFS testing.	

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
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

APEX0574

Antenna No.	Antenna Type	Frequency Band (GHz)	Model No.	Max Peak Gain (dBi)	30 Degree Ant Gain (dBi)	BF Dir Gain (dBi)	CDD Dir Gain (dBi)	
							For Power	For PSD
Wi-Fi External Antenna List (2.4GHz 2*2 MIMO, 5GHz 4*4 MIMO)								
1#	Omni	2.4	ANT-2x2-2005	5.0	N/A	5.0	5.0	5.0
2#	Omni	5	ANT-2x2-5005	5.0	0	8.01	5.0	8.01
3#	Omni	5	ANT-2x2-5010	10.0	0	13.01	10.0	13.01
4#	Directional	2.4	ANT-2x2-2314	14.0	N/A	14.0	14.0	14.0
5#	Directional	5	ANT-3x3-5712	11.5	1.5	14.51	11.5	14.51
6#	Directional	5	ANT-4x4-5314	14.0	6.0	17.01	14.0	17.01
7#	Directional	5	MT-484052/NVH	16.0	3.0	19.01	16.0	19.01
8#	Directional	2.4	ANT-3x3-D608	7.5	N/A	10.51	7.5	10.51
		5		7.5	4.5	10.51	7.5	10.51
9#	Directional	2.4	ANT-3x3-D100	5.0	N/A	8.01	5.0	8.01
		5		5.0	4.0	8.01	5.0	8.01
Bluetooth / ZigBee Internal Antenna								
PCB		2.4		4.2				

APEX0577

Antenna Type	Frequency Band (GHz)	Max Peak Gain (dBi)	30 Degree Ant Gain (dBi)	BF Dir Gain (dBi)	CDD Dir Gain (dBi)	
					For Power	For PSD
Wi-Fi Internal Antenna List (2.4GHz 2*2 MIMO, 5GHz 4*4 MIMO)						
Directional	2.4	6.8	N/	6.80	6.8	6.80
Directional	5	5.6	5.6	8.60	5.6	8.60
Bluetooth / ZigBee Internal Antenna						
PCB	2.4	8.4				

APEX0575

Antenna Type	Frequency Band (GHz)	Max Peak Gain (dBi)	30 Degree Ant Gain (dBi)	BF Dir Gain (dBi)	CDD Dir Gain (dBi)	
					For Power	For PSD
Wi-Fi Internal Antenna List (2.4GHz 2*2 MIMO, 5GHz 4*4 MIMO)						
Omni	2.4	3.4	N/A	3.4	3.4	3.4
Omni	5	5.0	-2.7	8.0	5.0	8.0
Bluetooth / ZigBee Internal Antenna						
PCB	2.4	6.0				

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 or 4, N_{SS} = 1.

If all antennas have the same gain, GANT, Directional gain = GANT + 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 $N_{ANT} \leq 4$;

Abbreviation “Dir” means directional.

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.

3. These antennas have Cross-Polarized design, only each two outputs driving a pair of antennas that are cross-polarized, the detail see the antenna specification.

2. Test Configuration

2.1. Test Mode

Mode 1: Operating under AP mode (The ZWDFS feature enabled)

2.2. Test Channel

Test Mode	Operating Channel (Normal)	Test Frequency
802.11ax-HE80	58	5290 MHz
	Target Channel (ZWDFS)	Test Frequency
	106	5530 MHz
Remark: 802.11ac-VHT160 and 802.11ax-HE160 don't support ZWDFS feature.		

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.

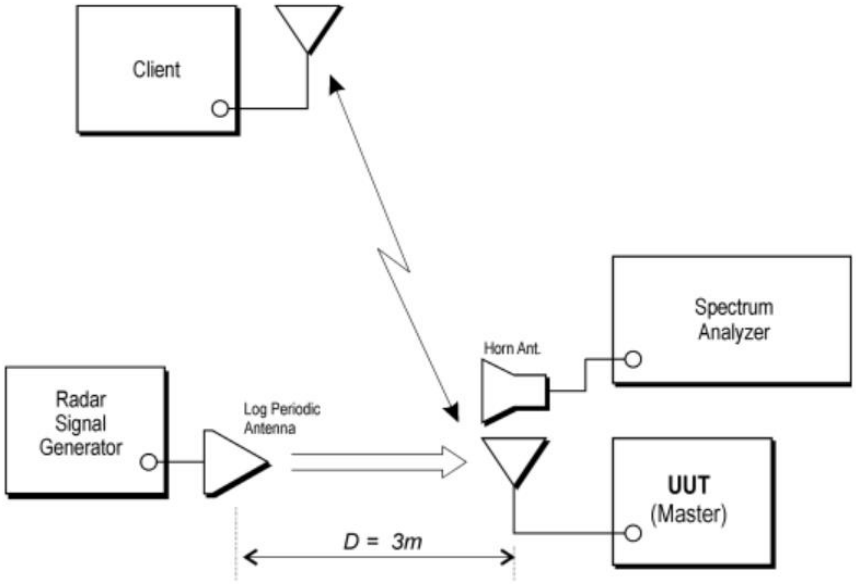


Figure 3-1: Radiated Test Setup where UUT is a master mode and Radar Test Waveforms are injected into the UUT

4. Measuring Instrument

Instrument Name	Manufacturer	Model No.	Asset No.	Cali. Interval	Cal. Due Date	Test Site
Thermohygrometer	testo	608-H1	MRTSUE06222	1 year	2022-10-10	WZ-SR4
Shielding Room	HUAMING	WZ-SR4	MRTSUE06441	N/A	N/A	WZ-SR4
Signal Generator	Keysight	N5182B	MRTSUE06451	1 year	2023-07-08	WZ-SR4
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06023	1 year	2023-08-22	WZ-SR4
Signal Analyzer	Keysight	N9010B	MRTSUE06558	1 year	2023-06-01	WZ-SR4

Client Information

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

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
Channel Availability Check Time	Pass	Section 5.3
Statistical Performance Check	Pass	Section 5.4

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.

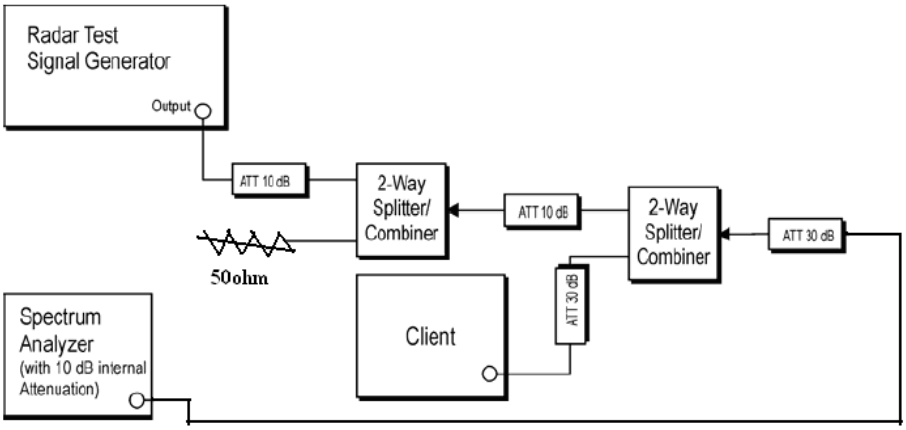


Figure 3-2: Conducted Test Setup

5.2.2. Calibration Procedure

The Interference Radar Detection Threshold Level is (-64dBm) + (0) [dBi] + 1 dB= -63 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 (-64dBm) + (0) [dBi] + 1 dB= -63dBm. Capture the spectrum analyzer plots on short pulse radar types, long pulse radar type and hopping radar waveform.

5.2.3. Calibration & Channel Loading Result

Refer to Appendix A.1.

5.3. Channel Availability Check Time Measurement

5.3.1. Test Limit

Channel Availability Check (CAC) Time ≥ 60s

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

5.3.2. 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. In the beginning of the Channel Availability Check (CAC) Time, 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 ZWDFS CAC activate.
3. In the end of the Channel Availability Check (CAC) Time, 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 ZWDFS CAC activate + 54 seconds.
4. 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.

5.3.3. Test Result

Refer to Appendix A.2.

5.4. Statistical Performance Check Measurement

5.4.1. 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	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.		

5.4.2. 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

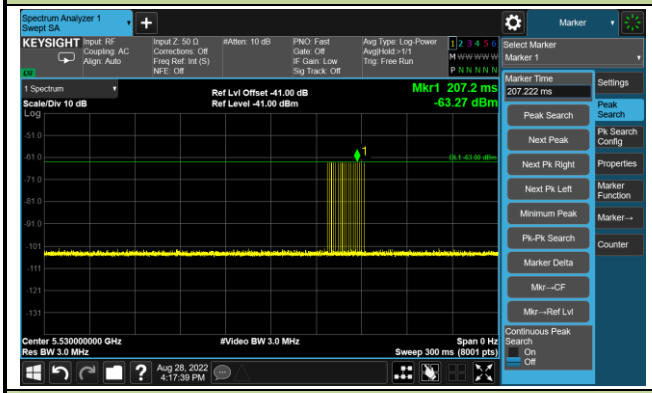
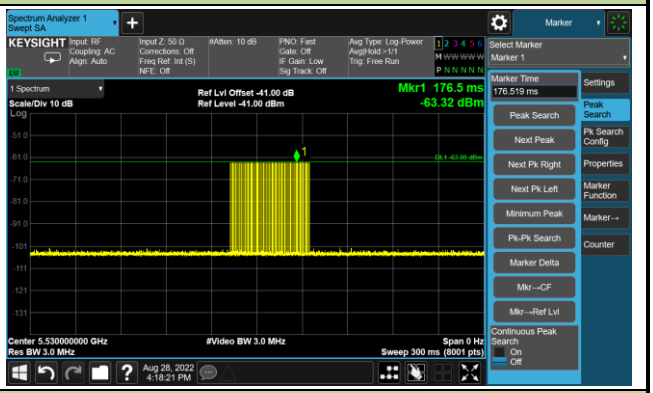
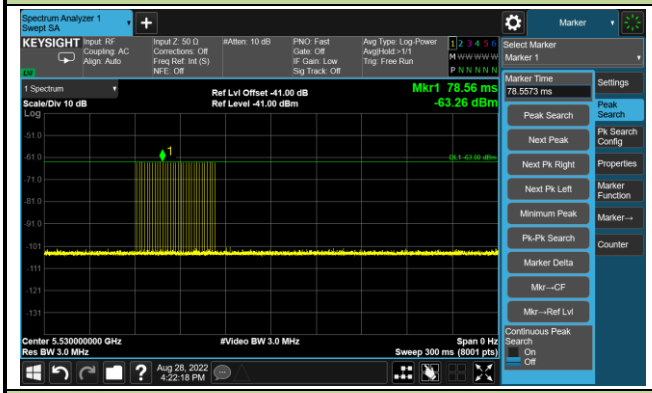
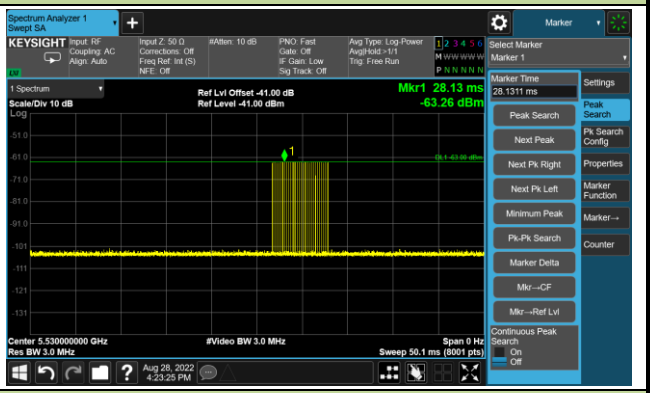
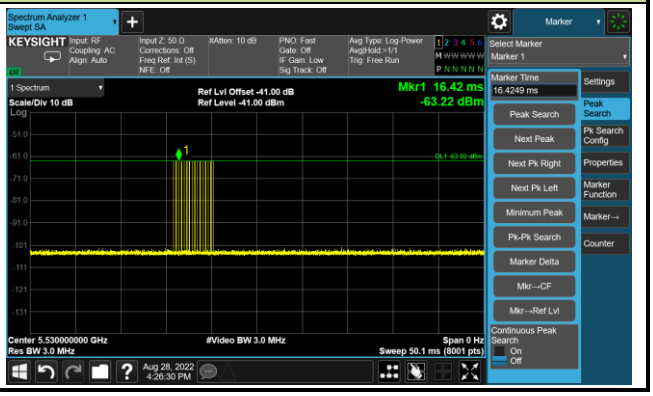
5.4.3. Test Result

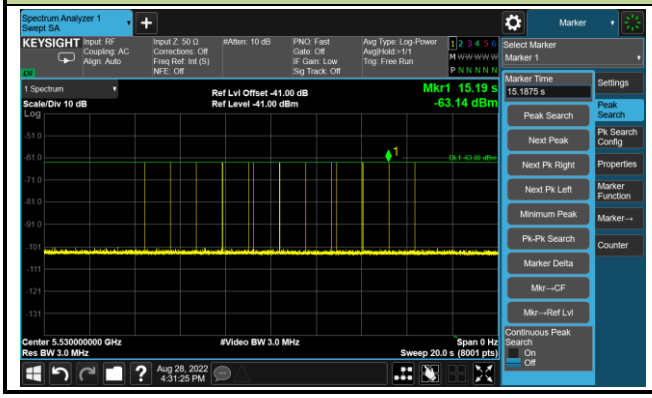
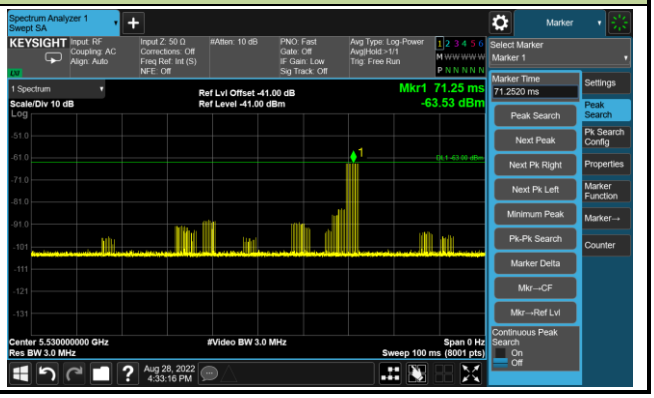
Refer to Appendix A.6.

Appendix A – Test Result

A.1 Calibration Test Result

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022-08-28	Test Item	Radar Waveform Calibration

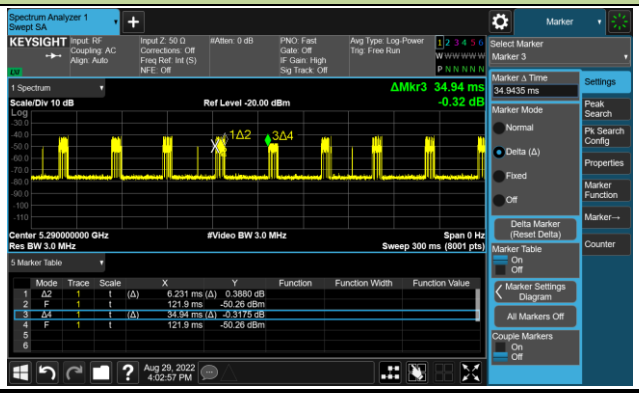
Radar Waveform Calibration-Low Band	
Radar #0	Radar #1-a PRI = 558 us and the number of pulses = 95
	
Radar #1-b (1585) PRI =1725 us and the number of pulses = 31	Radar 2
	
Radar #3	Radar #4
	

Radar #5	Radar #6
	

A.2 Channel Loading Test Result

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022-08-29	Test Item	Channel Loading

802.11ax-HE80 (5290MHz), Operating Channel



Test Mode	Test Frequency	Packet ratio	Requirement ratio	Test Result
802.11ax-HE80	5290 MHz	17.83%	≥ 17%	Pass

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

A.3 Channel Availability Check Time Test Result

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022-08-28		
Test Item	Channel Availability Check Time (802.11ax-HE80 mode, 5530MHz, Target Channel)		

Channel Availability Check Time
[2022-08-28_16:53:52:652] ~ # cat /proc/sys/dev/wifi0/zero_wait_dfs [2022-08-28_16:53:52:653] ch=100 [2022-08-28_16:53:52:653] ch_ext=4 [2022-08-28_16:53:52:653] freq=5530 [2022-08-28_16:53:52:653] status=cac [2022-08-28_16:53:52:653] cac_time=60 Channel Availability Check Time = 60s
Beginning of the Channel Availability Check Time
ZWDFS – Radar at the beginning of CAC System starts ZWCAC on channel 100 [2022-08-28_17:00:12:776]~ # echo 100 4 2 > /proc/sys/dev/wifi0/zero_wait_dfs Radar applied and detected radar applied at～6S after start of CAC [2022-08-28_17:00:14:301]~ # [261.525281] wl0:wlc_dfs_scan_complete_sc chanspec=e06a (106) reason 1/RADAR_FOUND 17:00:14:301 - 17:00:12:776 ≈ 1S
End of the Channel Availability Check Time
ZWDFS – Radar at the end of CAC System starts ZWCAC on channel 100 [2022-08-28_16:53:48:218]~ # echo 100 4 2 > /proc/sys/dev/wifi0/zero_wait_dfs Radar applied and detected radar applied at～54S after start of CAC [2022-08-28_16:54:47:108]~ # [427.607636] wl0:wlc_dfs_scan_complete_sc chanspec=e06a (106) reason 1/RADAR_FOUND 16:54:47:108 - 16:53:48:218 ≈ 59S
Note: The Zero Wait DFS CAC does not transmit any data so no plot can be captured, therefore, test was performed using a log form the EUT, and the highlighted text is provided for clarification.

A.4 Statistical Performance Check

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022-08-29		
Test Item	Radar Statistical Performance Check (Operating channel, 802.11ax-HE80, 5290MHz)		

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	5276	1	5281	1	5300	1	5265	1
1	5277	1	5277	1	5318	0	5318	1
2	5251	1	5258	1	5316	1	5319	0
3	5292	1	5267	1	5298	1	5253	1
4	5326	1	5315	0	5254	1	5262	1
5	5284	1	5312	1	5325	1	5315	1
6	5326	1	5314	1	5319	0	5293	1
7	5297	1	5320	0	5272	0	5299	1
8	5274	1	5323	1	5322	1	5296	1
9	5270	1	5321	0	5323	1	5291	1
10	5329	1	5290	1	5277	1	5309	1
11	5313	1	5270	0	5310	1	5323	1
12	5306	1	5329	1	5299	1	5265	1
13	5321	0	5251	1	5301	1	5283	0
14	5316	1	5266	1	5274	1	5289	1
15	5252	1	5309	1	5324	0	5310	0
16	5290	1	5306	1	5275	1	5285	1
17	5305	1	5287	1	5289	1	5251	1
18	5296	1	5259	1	5308	1	5275	1
19	5253	0	5253	1	5295	1	5316	1
20	5305	1	5310	0	5307	1	5290	0
21	5308	1	5297	1	5310	0	5276	1
22	5272	1	5304	0	5252	1	5321	0
23	5264	1	5301	0	5251	1	5312	0
24	5323	1	5291	1	5329	0	5307	1
25	5288	1	5302	1	5270	1	5329	1
26	5318	1	5253	1	5303	1	5325	0
27	5317	1	5302	0	5290	1	5327	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
28	5300	1	5295	1	5300	1	5311	1
29	5311	1	5283	1	5289	1	5257	0
Probability:	93.3%		73.3%		80.0%		73.3%	
Aggregate:	**80.8% (=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	718.0	74	53132.0
Download	1	Type 1	1.0	918.0	58	53244.0
Download	2	Type 1	1.0	598.0	89	53222.0
Download	3	Type 1	1.0	618.0	86	53148.0
Download	4	Type 1	1.0	818.0	65	53170.0
Download	5	Type 1	1.0	698.0	76	53048.0
Download	6	Type 1	1.0	658.0	81	53298.0
Download	7	Type 1	1.0	578.0	92	53176.0
Download	8	Type 1	1.0	518.0	102	52836.0
Download	9	Type 1	1.0	778.0	68	52904.0
Download	10	Type 1	1.0	758.0	70	53060.0
Download	11	Type 1	1.0	558.0	95	53010.0
Download	12	Type 1	1.0	738.0	72	53136.0
Download	13	Type 1	1.0	678.0	78	52884.0
Download	14	Type 1	1.0	878.0	61	53558.0
Download	15	Type 1	1.0	2251.0	24	54024.0
Download	16	Type 1	1.0	2528.0	21	53088.0
Download	17	Type 1	1.0	2081.0	26	54106.0
Download	18	Type 1	1.0	2292.0	24	55008.0
Download	19	Type 1	1.0	2947.0	18	53046.0
Download	20	Type 1	1.0	2940.0	18	52920.0
Download	21	Type 1	1.0	981.0	54	52974.0
Download	22	Type 1	1.0	2407.0	22	52954.0
Download	23	Type 1	1.0	2476.0	22	54472.0
Download	24	Type 1	1.0	1844.0	29	53476.0
Download	25	Type 1	1.0	1955.0	27	52785.0
Download	26	Type 1	1.0	2917.0	19	55423.0
Download	27	Type 1	1.0	2625.0	21	55125.0
Download	28	Type 1	1.0	836.0	64	53504.0
Download	29	Type 1	1.0	1256.0	43	54008.0

Radar Type 2 - Radar Waveform

	Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
Download	0	Type 2	4.9	208.0	29	6032.0
Download	1	Type 2	3.7	199.0	27	5373.0
Download	2	Type 2	2.1	188.0	24	4512.0
Download	3	Type 2	2.8	215.0	26	5590.0
Download	4	Type 2	5.0	154.0	29	4466.0
Download	5	Type 2	4.5	204.0	29	5916.0
Download	6	Type 2	1.5	176.0	23	4048.0
Download	7	Type 2	4.4	161.0	28	4508.0
Download	8	Type 2	4.1	201.0	28	5628.0
Download	9	Type 2	1.5	225.0	23	5175.0
Download	10	Type 2	4.1	162.0	28	4536.0
Download	11	Type 2	4.5	211.0	29	6119.0
Download	12	Type 2	2.8	172.0	26	4472.0
Download	13	Type 2	3.6	174.0	27	4698.0
Download	14	Type 2	2.6	150.0	25	3750.0
Download	15	Type 2	1.1	160.0	23	3680.0
Download	16	Type 2	3.7	181.0	27	4887.0
Download	17	Type 2	3.3	158.0	27	4266.0
Download	18	Type 2	2.9	168.0	26	4368.0
Download	19	Type 2	3.4	192.0	27	5184.0
Download	20	Type 2	3.0	163.0	26	4238.0
Download	21	Type 2	3.9	227.0	27	6129.0
Download	22	Type 2	1.9	152.0	24	3648.0
Download	23	Type 2	1.0	212.0	23	4876.0
Download	24	Type 2	4.1	165.0	28	4620.0
Download	25	Type 2	2.9	169.0	26	4394.0
Download	26	Type 2	1.2	213.0	23	4899.0
Download	27	Type 2	2.6	186.0	25	4650.0
Download	28	Type 2	4.8	179.0	29	5191.0
Download	29	Type 2	3.2	157.0	26	4082.0

Radar Type 3 - Radar Waveform

	Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
Download	0	Type 3	9.9	434.0	18	7812.0
Download	1	Type 3	8.7	284.0	18	5112.0
Download	2	Type 3	7.1	463.0	16	7408.0
Download	3	Type 3	7.8	246.0	17	4182.0
Download	4	Type 3	10.0	352.0	18	6336.0
Download	5	Type 3	9.5	332.0	18	5976.0
Download	6	Type 3	6.5	242.0	16	3872.0
Download	7	Type 3	9.4	381.0	18	6858.0
Download	8	Type 3	9.1	488.0	18	8784.0
Download	9	Type 3	6.5	481.0	16	7696.0
Download	10	Type 3	9.1	208.0	18	3744.0
Download	11	Type 3	9.5	435.0	18	7830.0
Download	12	Type 3	7.8	201.0	17	3417.0
Download	13	Type 3	8.6	200.0	17	3400.0
Download	14	Type 3	7.6	239.0	17	4063.0
Download	15	Type 3	6.1	412.0	16	6592.0
Download	16	Type 3	8.7	296.0	18	5328.0
Download	17	Type 3	8.3	300.0	17	5100.0
Download	18	Type 3	7.9	280.0	17	4760.0
Download	19	Type 3	8.4	485.0	17	8245.0
Download	20	Type 3	8.0	294.0	17	4998.0
Download	21	Type 3	8.9	491.0	18	8838.0
Download	22	Type 3	6.9	429.0	16	6864.0
Download	23	Type 3	6.0	401.0	16	6416.0
Download	24	Type 3	9.1	211.0	18	3798.0
Download	25	Type 3	7.9	499.0	17	8483.0
Download	26	Type 3	6.2	394.0	16	6304.0
Download	27	Type 3	7.6	387.0	17	6579.0
Download	28	Type 3	9.8	219.0	18	3942.0
Download	29	Type 3	8.2	337.0	17	5729.0

Radar Type 4 - Radar Waveform

	Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
Download	0	Type 4	19.7	434.0	16	6944.0
Download	1	Type 4	17.1	284.0	15	4260.0
Download	2	Type 4	13.4	463.0	13	6019.0
Download	3	Type 4	15.0	246.0	14	3444.0
Download	4	Type 4	19.9	352.0	16	5632.0
Download	5	Type 4	18.8	332.0	16	5312.0
Download	6	Type 4	12.2	242.0	12	2904.0
Download	7	Type 4	18.6	381.0	16	6096.0
Download	8	Type 4	17.9	488.0	15	7320.0
Download	9	Type 4	12.1	481.0	12	5772.0
Download	10	Type 4	18.0	208.0	15	3120.0
Download	11	Type 4	18.8	435.0	16	6960.0
Download	12	Type 4	15.1	201.0	14	2814.0
Download	13	Type 4	16.8	200.0	15	3000.0
Download	14	Type 4	14.6	239.0	13	3107.0
Download	15	Type 4	11.3	412.0	12	4944.0
Download	16	Type 4	17.1	296.0	15	4440.0
Download	17	Type 4	16.3	300.0	14	4200.0
Download	18	Type 4	15.2	280.0	14	3920.0
Download	19	Type 4	16.5	485.0	15	7275.0
Download	20	Type 4	15.4	294.0	14	4116.0
Download	21	Type 4	17.4	491.0	15	7365.0
Download	22	Type 4	13.1	429.0	13	5577.0
Download	23	Type 4	11.1	401.0	12	4812.0
Download	24	Type 4	17.9	211.0	15	3165.0
Download	25	Type 4	15.3	499.0	14	6986.0
Download	26	Type 4	11.5	394.0	12	4728.0
Download	27	Type 4	14.7	387.0	14	5418.0
Download	28	Type 4	19.6	219.0	16	3504.0
Download	29	Type 4	16.0	337.0	14	4718.0

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	5290.0	1	15	5253.0	0
1	5290.0.	1	16	5257.0	1
2	5290.0	1	17	5256.6	1
3	5290.0	0	18	5255.8	1
4	5290.0	1	19	5256.6	1
5	5290.0	1	20	5324.2	1
6	5290.0	0	21	5322.6	0
7	5290.0	1	22	5325.8	1
8	5290.0	1	23	5327.0	0
9	5290.0	1	24	5322.2	1
10	5257.8	1	25	5324.2	1
11	5258.2	1	26	5326.6	1
12	5255.8	1	27	5324.6	0
13	5257.0	1	28	5321.0	1
14	5255.4	1	29	5323.8	1
Detection Percentage (%)			**80.0%**		

Type 5 Radar Waveform_0

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
123155.0	98.3	20	3	1208.0	1298.0	1947.0
267587.0	83.5	20	3	1866.0	1088.0	1516.0
414126.0	63.4	20	1	1428.0	-	-
557655.0	72.1	20	2	1287.0	1900.0	-
105208.0	99.1	20	3	1501.0	1936.0	1895.0
249716.0	93.4	20	3	1871.0	1132.0	1657.0
395889.0	57.1	20	1	1964.0	-	-
538328.0	91.9	20	3	1718.0	1770.0	1354.0
87632.0	88.5	20	3	1072.0	1499.0	1476.0
233279.0	56.5	20	1	1197.0	-	-
376787.0	88.9	20	3	1671.0	1125.0	1123.0
520497.0	93.2	20	3	1286.0	1939.0	1676.0
69923.0	73.0	20	2	1869.0	1369.0	-
214687.0	82.2	20	2	1473.0	1679.0	-
359305.0	69.9	20	2	1691.0	1689.0	-
505279.0	51.6	20	1	1870.0	-	-
51974.0	83.7	20	3	1793.0	1594.0	1238.0
197028.0	79.2	20	2	1581.0	1053.0	-
341973.0	73.4	20	2	1414.0	1106.0	-
486823.0	80.2	20	2	1449.0	1142.0	-

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)
42887.0	74.5	15	2	1362.0	1753.0	-
223773.0	85.7	15	3	1001.0	1316.0	1658.0
406163.0	62.0	15	1	1292.0	-	-
587312.0	51.0	15	1	1847.0	-	-
20543.0	88.0	15	3	1071.0	1459.0	1734.0
201917.0	73.7	15	2	1101.0	1276.0	-
383436.0	53.2	15	1	1994.0	-	-
563942.0	70.5	15	2	1967.0	1230.0	-
744105.0	97.4	15	3	1744.0	1031.0	1385.0
179510.0	77.6	15	2	1463.0	1216.0	-
360541.0	76.0	15	2	1433.0	1698.0	-
542653.0	61.9	15	1	1789.0	-	-
723628.0	82.9	15	2	1171.0	1124.0	-
157040.0	74.4	15	2	1872.0	1493.0	-
337787.0	99.9	15	3	1699.0	1062.0	1344.0
520519.0	59.3	15	1	1475.0	-	-

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)
1022032.0	50.2	9	1	1236.0	-	-
196355.0	74.2	9	2	1014.0	1788.0	-
460938.0	58.2	9	1	1189.0	-	-
723425.0	86.8	9	3	1360.0	1211.0	1330.0
987203.0	79.6	9	2	1881.0	1861.0	-
163752.0	82.6	9	2	1485.0	1957.0	-
428450.0	59.4	9	1	1020.0	-	-
692252.0	66.1	9	1	1855.0	-	-
954904.0	87.9	9	3	1186.0	1261.0	1090.0
131070.0	94.5	9	3	1442.0	1636.0	1976.0
394409.0	89.1	9	3	1988.0	1928.0	1182.0

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)
557645.0	81.1	12	2	1308.0	1214.0	-
779354.0	98.2	12	3	1145.0	1787.0	1422.0
83408.0	94.3	12	3	1478.0	1580.0	1762.0
307079.0	55.7	12	1	1925.0	-	-
530407.0	82.3	12	2	1010.0	1054.0	-
752478.0	91.4	12	3	1009.0	1204.0	1444.0
56017.0	91.3	12	3	1555.0	1506.0	1073.0
278583.0	94.0	12	3	1584.0	1610.0	1950.0
502930.0	62.5	12	1	1996.0	-	-
725387.0	71.5	12	2	1656.0	1524.0	-
28651.0	62.3	12	1	1361.0	-	-
251390.0	84.1	12	3	1257.0	1681.0	1370.0
474999.0	75.4	12	2	1489.0	1310.0	-

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)
452138.0	90.2	20	3	1085.0	1733.0	1228.0
720.0	86.6	20	3	1468.0	1910.0	1403.0
145261.0	94.6	20	3	1281.0	1725.0	1032.0
290806.0	60.8	20	1	1969.0	–	–
435583.0	80.5	20	2	1097.0	1235.0	–
579542.0	77.0	20	2	1819.0	1537.0	–
127986.0	60.2	20	1	1563.0	–	–
271720.0	98.7	20	3	1921.0	1404.0	1318.0
417577.0	82.4	20	2	1234.0	1314.0	–
563753.0	60.5	20	1	1194.0	–	–
110121.0	51.4	20	1	1491.0	–	–
255376.0	59.5	20	1	1263.0	–	–
398982.0	71.0	20	2	1738.0	1926.0	–
542719.0	86.6	20	3	1758.0	1244.0	1642.0
92230.0	50.5	20	1	1567.0	–	–
235991.0	91.9	20	3	1701.0	1372.0	1966.0
381953.0	76.3	20	2	1038.0	1396.0	–
525357.0	95.9	20	3	1400.0	1434.0	1329.0
74305.0	63.2	20	1	1942.0	–	–
218398.0	93.6	20	3	1680.0	1544.0	1321.0

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)
382291.0	84.6	18	3	1118.0	1704.0	1338.0
535364.0	72.2	18	2	1245.0	1853.0	-
59371.0	72.4	18	2	1419.0	1034.0	-
212217.0	53.0	18	1	1669.0	-	-
364680.0	71.9	18	2	1172.0	1033.0	-
515943.0	93.8	18	3	1220.0	1041.0	1623.0
40537.0	70.5	18	2	1655.0	1398.0	-
192844.0	91.7	18	3	1116.0	1210.0	1151.0
345473.0	80.4	18	2	1420.0	1521.0	-
497043.0	87.3	18	3	1223.0	1242.0	1605.0
21716.0	87.8	18	3	1184.0	1551.0	1585.0
173708.0	87.9	18	3	1828.0	1554.0	1437.0
325727.0	90.1	18	3	1379.0	1940.0	1482.0
478918.0	82.8	18	2	1709.0	1547.0	-
2973.0	96.7	18	3	1546.0	1810.0	1982.0
154975.0	93.1	18	3	1481.0	1401.0	1974.0
307041.0	88.1	18	3	1258.0	1923.0	1540.0
459208.0	98.6	18	3	1282.0	1841.0	1415.0
611018.0	85.7	18	3	1423.0	1953.0	1436.0

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)
289629.0	60.9	7	1	1115.0	-	-
611330.0	84.2	7	3	1256.0	1095.0	1816.0
933583.0	90.4	7	3	1852.0	1084.0	1391.0
1256641.0	98.8	7	3	1460.0	1056.0	1036.0
249144.0	87.6	7	3	1664.0	1685.0	1426.0
571220.0	92.8	7	3	1944.0	1597.0	1561.0
893798.0	96.2	7	3	1666.0	1343.0	1440.0
1219214.0	61.2	7	1	1040.0	-	-
210037.0	54.8	7	1	1075.0	-	-

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)
264789.0	90.7	18	3	1523.0	1684.0	1797.0
427667.0	52.0	18	1	1264.0	-	-
586725.0	86.3	18	3	1303.0	1195.0	1390.0
84848.0	75.7	18	2	1392.0	1267.0	-
245086.0	99.2	18	3	1757.0	1367.0	1706.0
405817.0	90.6	18	3	1949.0	1382.0	1149.0
565954.0	90.8	18	3	1918.0	1512.0	1593.0
65014.0	68.0	18	2	1497.0	1130.0	-
226618.0	64.2	18	1	1002.0	-	-
386161.0	91.5	18	3	1080.0	1766.0	1417.0
546992.0	89.0	18	3	1783.0	1196.0	1070.0
45024.0	86.8	18	3	1919.0	1022.0	1930.0
206714.0	56.4	18	1	1059.0	-	-
367042.0	68.5	18	2	1081.0	1972.0	-
528434.0	68.2	18	2	1291.0	1203.0	-
25285.0	95.1	18	3	1134.0	1607.0	1278.0
186281.0	72.8	18	2	1425.0	1587.0	-
348212.0	63.6	18	1	1150.0	-	-

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)
538062.0	69.5	17	2	1965.0	1260.0	-
5808.0	88.2	17	3	1643.0	1187.0	1917.0
175884.0	90.0	17	3	1327.0	1973.0	1335.0
347455.0	57.5	17	1	1601.0	-	-
518236.0	53.8	17	1	1641.0	-	-
687201.0	77.7	17	2	1621.0	1896.0	-
155682.0	60.1	17	1	1252.0	-	-
326683.0	52.3	17	1	1023.0	-	-
497399.0	59.3	17	1	1355.0	-	-
665603.0	94.3	17	3	1579.0	1302.0	1285.0
134380.0	73.5	17	2	1119.0	1446.0	-
304506.0	84.9	17	3	1159.0	1381.0	1066.0
475942.0	60.2	17	1	1962.0	-	-
645488.0	75.7	17	2	1723.0	1520.0	-
113248.0	82.5	17	2	1820.0	1498.0	-
284250.0	65.7	17	1	1812.0	-	-
454993.0	50.9	17	1	1837.0	-	-

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)
1182030.0	78.4	7	2	1574.0	1822.0	-
174857.0	51.0	7	1	1773.0	-	-
497778.0	62.0	7	1	1838.0	-	-
819444.0	88.7	7	3	1331.0	1249.0	1309.0
1140928.0	99.5	7	3	1608.0	1827.0	1558.0
134742.0	92.1	7	3	1844.0	1863.0	1374.0
457496.0	78.6	7	2	1611.0	1695.0	-
780490.0	78.9	7	2	1168.0	1421.0	-
1101442.0	96.6	7	3	1592.0	1269.0	1894.0

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)
47575.0	59.6	17	1	1920.0	-	-
207782.0	99.0	17	3	1700.0	1803.0	1651.0
369987.0	54.4	17	1	1978.0	-	-
531616.0	65.7	17	1	1451.0	-	-
27649.0	72.1	17	2	1715.0	1829.0	-
188989.0	53.6	17	1	1743.0	-	-
350142.0	64.8	17	1	1956.0	-	-
510300.0	79.2	17	2	1552.0	1775.0	-
7847.0	76.7	17	2	1494.0	1307.0	-
168781.0	73.0	17	2	1418.0	1678.0	-
330335.0	64.8	17	1	1854.0	-	-
490225.0	83.1	17	2	1769.0	1907.0	-
650393.0	98.3	17	3	1566.0	1181.0	1569.0
149295.0	58.5	17	1	1590.0	-	-
310680.0	65.6	17	1	1413.0	-	-
469414.0	96.8	17	3	1804.0	1375.0	1913.0
631056.0	81.3	17	2	1885.0	1958.0	-
128930.0	96.6	17	3	1845.0	1268.0	1026.0

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)
274205.0	94.6	18	3	1886.0	1143.0	1272.0
427543.0	79.3	18	2	1028.0	1502.0	-
580057.0	81.2	18	2	1527.0	1058.0	-
103822.0	63.3	18	1	1319.0	-	-
256785.0	54.2	18	1	1061.0	-	-
407536.0	90.8	18	3	1174.0	1796.0	1430.0
560956.0	67.5	18	2	1479.0	1453.0	-
84526.0	89.9	18	3	1892.0	1538.0	1356.0
236649.0	94.1	18	3	1663.0	1716.0	1127.0
390725.0	60.7	18	1	1294.0	-	-
542199.0	74.9	18	2	1364.0	1541.0	-
65944.0	70.1	18	2	1784.0	1639.0	-
217806.0	96.2	18	3	1078.0	1856.0	1887.0
372048.0	61.3	18	1	1035.0	-	-
523575.0	78.7	18	2	1005.0	1712.0	-
47292.0	57.2	18	1	1908.0	-	-
199820.0	68.1	18	2	1114.0	1383.0	-
353130.0	61.2	18	1	1180.0	-	-
503031.0	97.9	18	3	1745.0	1231.0	1929.0

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)
41551.0	93.7	12	3	1409.0	2000.0	1037.0
264639.0	72.1	12	2	1545.0	1888.0	-
487915.0	69.8	12	2	1901.0	1093.0	-
711419.0	70.0	12	2	1470.0	1065.0	-
14120.0	81.1	12	2	1724.0	1911.0	-
236879.0	99.1	12	3	1188.0	1782.0	1575.0
461315.0	59.5	12	1	1222.0	-	-
685022.0	50.8	12	1	1049.0	-	-
906709.0	67.9	12	2	1025.0	1986.0	-
209722.0	80.1	12	2	1674.0	1628.0	-
432205.0	92.6	12	3	1237.0	1536.0	1785.0
655091.0	96.5	12	3	1077.0	1461.0	1857.0
877946.0	92.0	12	3	1389.0	1705.0	1253.0

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)
147931.0	68.1	15	2	1851.0	1550.0	-
328228.0	95.6	15	3	1614.0	1839.0	1710.0
509471.0	84.1	15	3	1526.0	1233.0	1531.0
689232.0	99.6	15	3	1867.0	1916.0	1692.0
125865.0	65.3	15	1	1987.0	-	-
306140.0	96.3	15	3	1959.0	1384.0	1424.0
486773.0	94.8	15	3	1346.0	1968.0	1620.0
670711.0	63.7	15	1	1322.0	-	-
103087.0	98.2	15	3	1990.0	1265.0	1850.0
284779.0	82.3	15	2	1352.0	1046.0	-
466564.0	59.6	15	1	1647.0	-	-
648432.0	54.1	15	1	1221.0	-	-
81199.0	54.3	15	1	1742.0	-	-
262749.0	56.6	15	1	1532.0	-	-
443427.0	76.9	15	2	1721.0	1240.0	-
625970.0	53.5	15	1	1332.0	-	-

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)
72472.0	54.4	11	1	1543.0	-	-
294927.0	91.1	11	3	1624.0	1848.0	1326.0
517964.0	90.4	11	3	1612.0	1549.0	1060.0
742832.0	54.3	11	1	1720.0	-	-
44803.0	98.9	11	3	1505.0	1247.0	1635.0
267770.0	87.7	11	3	1102.0	1445.0	1304.0
491362.0	74.4	11	2	1495.0	1137.0	-
713686.0	74.7	11	2	1899.0	1909.0	-
17406.0	59.3	11	1	1849.0	-	-
240919.0	50.1	11	1	1519.0	-	-
464641.0	64.3	11	1	1092.0	-	-
685212.0	94.8	11	3	1371.0	1998.0	1794.0
908525.0	89.9	11	3	1898.0	1429.0	1138.0

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)
346247.0	99.7	5	3	1779.0	1583.0	1301.0
710374.0	59.8	5	1	1582.0	-	-
1073701.0	51.5	5	1	1702.0	-	-
1436986.0	64.2	5	1	1805.0	-	-
301973.0	83.0	5	2	1192.0	1496.0	-
665543.0	51.9	5	1	1732.0	-	-
1029157.0	50.5	5	1	1387.0	-	-
1390914.0	77.2	5	2	1412.0	1809.0	-

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)
128434.0	79.1	15	2	1279.0	1153.0	-
308735.0	91.9	15	3	1823.0	1588.0	1454.0
490162.0	71.8	15	2	1952.0	1834.0	-
672847.0	66.5	15	1	1891.0	-	-
105948.0	84.2	15	3	1064.0	1377.0	1067.0
286592.0	95.5	15	3	1991.0	1227.0	1341.0
467247.0	89.9	15	3	1644.0	1513.0	1622.0
650551.0	60.2	15	1	1830.0	-	-
83872.0	65.9	15	1	1500.0	-	-
265014.0	76.7	15	2	1128.0	1480.0	-
445727.0	92.4	15	3	1492.0	1039.0	1003.0
626531.0	82.6	15	2	2000.0	1817.0	-
61337.0	97.4	15	3	1288.0	1024.0	1305.0
243173.0	63.4	15	1	1109.0	-	-
422778.0	89.1	15	3	1366.0	1599.0	1714.0
606165.0	52.1	15	1	1439.0	-	-

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)
41584.0	92.1	14	3	1938.0	1462.0	1578.0
234650.0	93.1	14	3	1013.0	1386.0	1739.0
428097.0	80.4	14	2	1484.0	1860.0	-
621474.0	71.1	14	2	1688.0	1448.0	-
17900.0	59.4	14	1	1975.0	-	-
210776.0	90.3	14	3	1535.0	1217.0	1755.0
405169.0	65.2	14	1	1629.0	-	-
597709.0	82.0	14	2	1452.0	1630.0	-
792573.0	50.0	14	1	1483.0	-	-
187394.0	73.9	14	2	1004.0	1874.0	-
380052.0	98.5	14	3	1254.0	1306.0	1719.0
573695.0	72.4	14	2	1661.0	1708.0	-
768855.0	58.0	14	1	1342.0	-	-
163232.0	89.9	14	3	1792.0	1043.0	1740.0
356833.0	71.4	14	2	1111.0	1935.0	-

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)
590449.0	54.6	12	1	1763.0	-	-
796573.0	76.3	12	2	1514.0	1677.0	-
149759.0	76.3	12	2	1985.0	1047.0	-
356903.0	75.3	12	2	1517.0	1528.0	-
562730.0	99.2	12	3	1662.0	1876.0	1503.0
771679.0	68.5	12	2	1458.0	1050.0	-
123960.0	87.9	12	3	1340.0	1747.0	1890.0
332103.0	64.7	12	1	1200.0	-	-
538062.0	92.2	12	3	1290.0	1363.0	1139.0
744039.0	84.6	12	3	1107.0	1933.0	1883.0
98872.0	64.5	12	1	1778.0	-	-
305119.0	93.4	12	3	1350.0	1912.0	1884.0
512996.0	73.4	12	2	1443.0	1637.0	-
720351.0	71.9	12	2	1645.0	1177.0	-

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)
68463.0	62.1	14	1	1280.0	-	-
261004.0	92.6	14	3	1934.0	1649.0	1274.0
453798.0	86.3	14	3	1542.0	1799.0	1609.0
647694.0	70.7	14	2	1768.0	1865.0	-
44431.0	99.4	14	3	1175.0	1971.0	1193.0
237966.0	72.1	14	2	1243.0	1215.0	-
429977.0	89.9	14	3	1893.0	1206.0	1980.0
624696.0	71.5	14	2	1604.0	1017.0	-
20707.0	79.5	14	2	1504.0	1068.0	-
214106.0	67.8	14	2	1570.0	1012.0	-
406611.0	88.9	14	3	1431.0	1136.0	1765.0
600629.0	76.7	14	2	1133.0	1815.0	-
792812.0	89.9	14	3	1226.0	1289.0	1565.0
190511.0	66.5	14	1	1632.0	-	-
384404.0	60.3	14	1	1082.0	-	-

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)
616353.0	97.1	12	3	1954.0	1764.0	1741.0
825262.0	67.4	12	2	1717.0	1311.0	-
178588.0	52.1	12	1	1633.0	-	-
385722.0	76.1	12	2	1042.0	1376.0	-
593369.0	55.3	12	1	1915.0	-	-
798834.0	87.7	12	3	1163.0	1083.0	1756.0
152975.0	56.3	12	1	1941.0	-	-
359673.0	71.0	12	2	1927.0	1711.0	-
565812.0	88.1	12	3	1961.0	1098.0	1879.0
772277.0	89.9	12	3	1889.0	1300.0	1993.0
127127.0	83.7	12	3	1259.0	1472.0	1219.0
334937.0	54.2	12	1	1693.0	-	-
541645.0	78.3	12	2	1148.0	1752.0	-
747916.0	88.2	12	3	1313.0	1019.0	1606.0

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)
83488.0	86.6	16	3	1312.0	1946.0	1800.0
254046.0	94.9	16	3	1248.0	1121.0	1069.0
424383.0	97.0	16	3	1157.0	1166.0	1161.0
593251.0	91.8	16	3	1989.0	1840.0	1410.0
62862.0	60.1	16	1	1576.0	-	-
232632.0	87.9	16	3	1573.0	1158.0	1997.0
403614.0	81.3	16	2	1165.0	1945.0	-
575299.0	62.2	16	1	1591.0	-	-
41798.0	51.7	16	1	1955.0	-	-
212701.0	58.7	16	1	1365.0	-	-
382816.0	67.7	16	2	1646.0	1103.0	-
553350.0	81.5	16	2	1212.0	1534.0	-
20742.0	83.1	16	2	1295.0	1586.0	-
190891.0	96.9	16	3	1467.0	1087.0	1618.0
362475.0	58.4	16	1	1457.0	-	-
531074.0	86.5	16	3	1358.0	1135.0	1931.0
702938.0	72.5	16	2	1126.0	1559.0	-

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)
263305.0	78.7	8	2	1694.0	1905.0	-
526903.0	71.3	8	2	1864.0	1960.0	-
792129.0	54.3	8	1	1660.0	-	-
1053722.0	95.2	8	3	1416.0	1178.0	1731.0
230779.0	67.1	8	2	1878.0	1922.0	-
495404.0	62.3	8	1	1675.0	-	-
758439.0	67.2	8	2	1325.0	1983.0	-
1022294.0	68.1	8	2	1749.0	1477.0	-
198157.0	84.2	8	3	1464.0	1668.0	1465.0
462898.0	55.7	8	1	1595.0	-	-
726141.0	71.5	8	2	1447.0	1572.0	-

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)
1360825.0	98.2	5	3	1323.0	1334.0	1943.0
228394.0	80.8	5	2	1045.0	1667.0	-
591914.0	65.7	5	1	1748.0	-	-
954506.0	67.8	5	2	1246.0	1728.0	-
1318466.0	61.5	5	1	1970.0	-	-
183377.0	83.4	5	3	1902.0	1634.0	1511.0
546241.0	93.0	5	3	1707.0	1170.0	1373.0
909642.0	73.0	5	2	1380.0	1826.0	-

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)
596831.0	92.0	17	3	1336.0	1076.0	1530.0
65039.0	84.9	17	3	1726.0	1904.0	1324.0
235764.0	79.7	17	2	1328.0	1456.0	-
405965.0	78.6	17	2	1571.0	1771.0	-
576919.0	79.0	17	2	1100.0	1553.0	-
44159.0	84.9	17	3	1213.0	1140.0	1654.0
215242.0	65.7	17	1	1205.0	-	-
384411.0	93.5	17	3	1790.0	1407.0	1179.0
557080.0	58.3	17	1	1173.0	-	-
23224.0	73.9	17	2	1266.0	1729.0	-
194009.0	54.5	17	1	1862.0	-	-
365188.0	59.5	17	1	1029.0	-	-
536047.0	62.5	17	1	1147.0	-	-
2232.0	51.6	17	1	1044.0	-	-
172704.0	67.4	17	2	1432.0	1539.0	-
343979.0	54.9	17	1	1339.0	-	-
513842.0	82.9	17	2	1296.0	1427.0	-

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)
831198.0	74.0	12	2	1589.0	1548.0	-
184020.0	93.1	12	3	1052.0	1798.0	1653.0
391428.0	69.4	12	2	1378.0	1781.0	-
598663.0	82.5	12	2	1672.0	1320.0	-
804994.0	79.7	12	2	1906.0	1963.0	-
158825.0	73.7	12	2	1613.0	1402.0	-
365675.0	75.9	12	2	1722.0	1999.0	-
573111.0	82.2	12	2	1441.0	1603.0	-
781355.0	59.7	12	1	1842.0	-	-
133516.0	64.0	12	1	1682.0	-	-
340393.0	70.9	12	2	1750.0	1435.0	-
546962.0	93.0	12	3	1008.0	1229.0	1795.0
753457.0	99.9	12	3	1155.0	1683.0	1659.0
107767.0	69.9	12	2	1232.0	1984.0	-

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)
551555.0	99.8	6	3	1051.0	1199.0	1937.0
915754.0	53.8	6	1	1868.0	-	-
1277110.0	85.5	6	3	1239.0	1317.0	1640.0
144063.0	94.6	6	3	1162.0	1507.0	1759.0
507101.0	87.6	6	3	1284.0	1027.0	1190.0
869389.0	99.0	6	3	1522.0	1122.0	1992.0
1232455.0	92.8	6	3	1602.0	1146.0	1411.0
99509.0	75.4	6	2	1201.0	1353.0	-

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)
284772.0	60.2	11	1	1438.0	–	–
508095.0	51.4	11	1	1806.0	–	–
730210.0	68.9	11	2	1903.0	1568.0	–
33718.0	58.9	11	1	1262.0	–	–
256252.0	94.2	11	3	1932.0	1164.0	1877.0
479555.0	79.6	11	2	1914.0	1843.0	–
701894.0	96.2	11	3	1488.0	1525.0	1562.0
6179.0	59.0	11	1	1399.0	–	–
229140.0	96.5	11	3	1007.0	1600.0	1096.0
453120.0	63.4	11	1	1665.0	–	–
676735.0	60.7	11	1	1469.0	–	–
896128.0	85.0	11	3	1977.0	1979.0	1737.0
201591.0	87.6	11	3	1533.0	1183.0	1368.0

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)
275338.0	90.3	20	3	1337.0	1283.0	1271.0
420080.0	73.5	20	2	1875.0	1780.0	–
563437.0	90.5	20	3	1836.0	1405.0	1761.0
113478.0	62.2	20	1	1131.0	–	–
258582.0	61.2	20	1	1455.0	–	–
403534.0	53.7	20	1	1772.0	–	–
546902.0	96.4	20	3	1273.0	1191.0	1185.0
95333.0	69.2	20	2	1104.0	1619.0	–
239844.0	70.8	20	2	1859.0	1727.0	–
384128.0	94.9	20	3	1048.0	1351.0	1754.0
530877.0	50.4	20	1	1631.0	–	–
77705.0	58.4	20	1	1063.0	–	–
222761.0	54.0	20	1	1615.0	–	–
367924.0	54.8	20	1	1556.0	–	–
512727.0	55.6	20	1	1951.0	–	–
59679.0	77.0	20	2	1299.0	1094.0	–
204976.0	57.1	20	1	1347.0	–	–
349657.0	79.9	20	2	1108.0	1113.0	–
495321.0	55.9	20	1	1395.0	–	–
41720.0	90.2	20	3	1224.0	1156.0	1529.0

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)
248669.0	98.6	13	3	1981.0	1129.0	1202.0
442404.0	82.8	13	2	1393.0	1557.0	-
635980.0	67.9	13	2	1617.0	1000.0	-
32051.0	63.6	13	1	1030.0	-	-
225159.0	70.8	13	2	1995.0	1397.0	-
418397.0	79.5	13	2	1466.0	1858.0	-
610348.0	96.4	13	3	1577.0	1564.0	1835.0
8152.0	86.0	13	3	1735.0	1086.0	1154.0
201890.0	50.7	13	1	1297.0	-	-
394800.0	67.5	13	2	1105.0	1807.0	-
588848.0	57.5	13	1	1924.0	-	-
781404.0	82.3	13	2	1831.0	1117.0	-
178070.0	64.9	13	1	1112.0	-	-
371011.0	82.3	13	2	1474.0	1388.0	-
565553.0	59.4	13	1	1152.0	-	-

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	0	17	1
3	1	18	1
4	1	19	1
5	1	20	1
6	0	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 (%)		**93.3%**	

Type 6 Radar Waveform_0

Frequency List (MHz)	0	1	2	3	4
0	5712	5687	5300	5341	5502
5	5288	5504	5534	5269	5651
10	5330	5426	5619	5464	5280
15	5283	5627	5608	5289	5262
20	5256	5657	5370	5462	5328
25	5348	5621	5556	5622	5562
30	5660	5610	5310	5539	5467
35	5656	5623	5678	5575	5351
40	5609	5689	5278	5386	5434
45	5535	5643	5268	5596	5364
50	5400	5612	5375	5365	5305
55	5567	5563	5360	5404	5392
60	5295	5259	5432	5338	5445
65	5366	5427	5344	5352	5254
70	5655	5536	5636	5469	5693
75	5439	5423	5716	5635	5325
80	5276	5448	5607	5345	5282
85	5521	5412	5603	5440	5530
90	5403	5697	5604	5287	5666
95	5318	5455	5646	5336	5494

Type 6 Radar Waveform_1

Frequency List (MHz)	0	1	2	3	4
0	5395	5451	5711	5502	5722
5	5330	5526	5609	5335	5480
10	5639	5690	5660	5659	5301
15	5371	5279	5334	5454	5264
20	5251	5408	5551	5570	5284
25	5596	5702	5267	5619	5643
30	5320	5714	5571	5253	5265
35	5448	5394	5691	5529	5431
40	5367	5623	5351	5557	5417
45	5665	5391	5416	5390	5507
50	5548	5358	5582	5492	5608
55	5561	5503	5295	5290	5398
60	5487	5331	5439	5541	5679
65	5442	5272	5595	5594	5294
70	5280	5419	5429	5287	5455
75	5538	5685	5475	5600	5635
80	5513	5463	5493	5498	5565
85	5558	5535	5486	5483	5461
90	5583	5506	5474	5525	5407
95	5362	5537	5673	5485	5678

Type 6 Radar Waveform_2

Frequency List (MHz)	0	1	2	3	4
0	5650	5690	5647	5663	5467
5	5372	5451	5684	5498	5687
10	5570	5479	5701	5282	5322
15	5459	5309	5339	5646	5417
20	5349	5543	5274	5502	5422
25	5487	5355	5630	5366	5485
30	5699	5494	5393	5330	5367
35	5406	5276	5287	5477	5629
40	5294	5428	5296	5603	5434
45	5615	5470	5552	5267	5252
50	5580	5688	5354	5261	5312
55	5675	5311	5579	5668	5335
60	5602	5554	5711	5681	5347
65	5326	5697	5698	5717	5710
70	5445	5596	5571	5553	5641
75	5400	5562	5410	5539	5468
80	5319	5277	5538	5500	5416
85	5402	5456	5530	5512	5308
90	5648	5617	5478	5491	5391
95	5260	5640	5493	5415	5581

Type 6 Radar Waveform_3

Frequency List (MHz)	0	1	2	3	4
0	5430	5454	5583	5349	5309
5	5414	5473	5284	5661	5419
10	5501	5268	5267	5477	5343
15	5547	5436	5345	5327	5363
20	5658	5486	5290	5632	5722
25	5390	5371	5690	5459	5664
30	5408	5374	5656	5612	5545
35	5598	5518	5638	5665	5698
40	5560	5567	5534	5425	5700
45	5517	5673	5523	5342	5618
50	5428	5669	5298	5352	5266
55	5605	5550	5344	5358	5377
60	5434	5279	5504	5296	5265
65	5529	5493	5520	5307	5273
70	5445	5512	5610	5423	5608
75	5391	5316	5578	5575	5441
80	5497	5416	5719	5516	5310
85	5398	5563	5338	5554	5360
90	5724	5508	5635	5375	5633
95	5461	5691	5675	5627	5576

Type 6 Radar Waveform_4

Frequency List (MHz)	0	1	2	3	4
0	5685	5693	5519	5510	5529
5	5553	5398	5359	5349	5723
10	5335	5532	5405	5672	5364
15	5538	5563	5448	5372	5555
20	5666	5652	5328	5721	5695
25	5656	5698	5321	5660	5450
30	5360	5613	5352	5319	5481
35	5640	5609	5434	5334	5579
40	5537	5643	5505	5299	5422
45	5466	5600	5634	5576	5704
50	5494	5604	5569	5283	5712
55	5620	5540	5580	5424	5521
60	5473	5523	5322	5266	5303
65	5700	5705	5720	5301	5264
70	5288	5323	5379	5259	5548
75	5471	5482	5543	5276	5568
80	5688	5356	5605	5286	5367
85	5561	5479	5502	5363	5517
90	5707	5702	5503	5588	5261
95	5525	5690	5456	5531	5440

Type 6 Radar Waveform_5

Frequency List (MHz)	0	1	2	3	4
0	5368	5457	5455	5574	5371
5	5595	5420	5434	5512	5266
10	5418	5446	5392	5385	5626
15	5690	5551	5417	5369	5577
20	5343	5269	5713	5668	5544
25	5550	5524	5289	5257	5589
30	5724	5570	5567	5471	5679
35	5304	5700	5327	5487	5590
40	5376	5348	5443	5442	5516
45	5461	5683	5692	5629	5494
50	5273	5620	5372	5535	5564
55	5253	5649	5295	5621	5395
60	5505	5688	5267	5573	5604
65	5646	5431	5669	5715	5571
70	5655	5601	5548	5720	5648
75	5521	5499	5430	5451	5663
80	5322	5450	5345	5701	5612
85	5294	5349	5491	5562	5697
90	5500	5539	5694	5706	5568
95	5480	5522	5582	5525	5502

Type 6 Radar Waveform_6

Frequency List (MHz)	0	1	2	3	4
0	5623	5696	5391	5260	5591
5	5637	5345	5509	5578	5662
10	5672	5682	5487	5587	5406
15	5714	5342	5654	5365	5561
20	5585	5412	5685	5327	5641
25	5335	5499	5252	5393	5291
30	5631	5613	5527	5307	5720
35	5443	5316	5598	5262	5504
40	5690	5431	5284	5513	5293
45	5426	5275	5381	5624	5384
50	5671	5558	5358	5411	5441
55	5506	5485	5440	5366	5634
60	5378	5309	5502	5689	5254
65	5618	5276	5306	5450	5620
70	5328	5651	5370	5475	5389
75	5323	5308	5465	5597	5336
80	5361	5488	5282	5697	5314
85	5522	5253	5588	5559	5287
90	5382	5656	5325	5424	5301
95	5577	5432	5388	5313	5464

Type 6 Radar Waveform_7

Frequency List (MHz)	0	1	2	3	4
0	5403	5460	5327	5421	5433
5	5679	5367	5584	5266	5491
10	5506	5471	5528	5685	5427
15	5372	5282	5410	5278	5593
20	5578	5626	5319	5614	5698
25	5351	5455	5497	5325	5673
30	5599	5484	5425	5397	5697
35	5582	5407	5394	5415	5418
40	5529	5514	5447	5510	5406
45	5374	5711	5638	5646	5500
50	5560	5722	5647	5559	5355
55	5629	5675	5259	5337	5288
60	5543	5254	5334	5353	5635
65	5567	5312	5613	5342	5585
70	5314	5276	5694	5354	5348
75	5292	5428	5511	5412	5277
80	5446	5649	5525	5572	5388
85	5477	5600	5659	5562	5539
90	5573	5501	5540	5523	5594
95	5496	5644	5380	5505	5322

Type 6 Radar Waveform_8

Frequency List (MHz)	0	1	2	3	4
0	5658	5699	5263	5582	5653
5	5343	5389	5659	5429	5698
10	5437	5260	5569	5405	5448
15	5415	5499	5288	5455	5470
20	5504	5647	5664	5408	5587
25	5586	5300	5601	5359	5715
30	5488	5441	5640	5646	5517
35	5624	5498	5287	5568	5332
40	5465	5694	5635	5687	5507
45	5626	5386	5457	5294	5691
50	5533	5376	5261	5298	5382
55	5677	5342	5414	5390	5456
60	5308	5417	5708	5674	5641
65	5276	5581	5278	5516	5251
70	5348	5612	5388	5279	5446
75	5330	5307	5451	5654	5393
80	5529	5459	5430	5689	5385
85	5672	5503	5598	5525	5527
90	5274	5688	5600	5530	5690
95	5435	5489	5695	5637	5686

Type 6 Radar Waveform_9

Frequency List (MHz)	0	1	2	3	4
0	5438	5463	5674	5268	5495
5	5385	5314	5259	5592	5430
10	5271	5524	5610	5600	5469
15	5406	5626	5391	5500	5662
20	5512	5338	5605	5400	5560
25	5377	5627	5289	5327	5296
30	5379	5474	5398	5380	5323
35	5715	5288	5686	5558	5343
40	5304	5302	5573	5355	5504
45	5458	5269	5540	5352	5630
50	5437	5349	5350	5680	5621
55	5433	5368	5483	5275	5657
60	5546	5619	5473	5577	5527
65	5479	5465	5287	5655	5407
70	5666	5555	5286	5295	5306
75	5266	5608	5571	5700	5374
80	5569	5378	5698	5382	5489
85	5503	5440	5585	5318	5372
90	5578	5522	5461	5703	5564
95	5311	5612	5329	5490	5593

Type 6 Radar Waveform_10

Frequency List (MHz)	0	1	2	3	4
0	5596	5702	5610	5429	5715
5	5427	5336	5712	5658	5637
10	5677	5410	5651	5320	5490
15	5494	5278	5448	5379	5520
20	5407	5546	5489	5533	5265
25	5479	5492	5431	5330	5421
30	5363	5355	5595	5572	5535
35	5302	5354	5496	5257	5618
40	5385	5511	5598	5387	5724
45	5623	5313	5322	5685	5506
50	5613	5400	5536	5503	5468
55	5621	5673	5569	5628	5578
60	5563	5661	5305	5403	5570
65	5414	5701	5390	5299	5469
70	5627	5369	5382	5619	5282
75	5700	5577	5691	5368	5558
80	5582	5467	5445	5383	5684
85	5406	5548	5510	5337	5532
90	5281	5543	5709	5501	5668
95	5721	5346	5545	5554	5491

Type 6 Radar Waveform_11

Frequency List (MHz)	0	1	2	3	4
0	5376	5563	5546	5590	5557
5	5566	5261	5312	5346	5466
10	5608	5674	5692	5515	5511
15	5582	5405	5597	5493	5571
20	5431	5573	5584	5481	5506
25	5531	5428	5695	5535	5364
30	5463	5252	5713	5724	5355
35	5469	5393	5625	5649	5646
40	5457	5468	5449	5360	5595
45	5694	5704	5706	5371	5375
50	5475	5382	5314	5451	5412
55	5334	5276	5388	5599	5707
60	5253	5606	5709	5326	5516
65	5503	5363	5262	5697	5569
70	5650	5321	5385	5258	5562
75	5336	5335	5723	5609	5446
80	5404	5309	5696	5605	5680
85	5583	5479	5708	5715	5453
90	5600	5538	5389	5380	5520
95	5669	5423	5439	5664	5302

Type 6 Radar Waveform_12

Frequency List (MHz)	0	1	2	3	4
0	5631	5327	5482	5654	5302
5	5608	5283	5387	5509	5673
10	5442	5463	5355	5613	5532
15	5670	5435	5700	5538	5288
20	5439	5642	5525	5570	5479
25	5419	5280	5423	5639	5398
30	5602	5713	5269	5453	5498
35	5553	5484	5518	5424	5657
40	5393	5648	5503	5592	5623
45	5684	5314	5429	5331	5362
50	5636	5490	5502	5714	5527
55	5259	5522	5705	5578	5585
60	5361	5418	5551	5541	5627
65	5462	5704	5312	5298	5432
70	5461	5341	5485	5317	5709
75	5521	5359	5557	5504	5276
80	5599	5309	5571	5322	5548
85	5537	5694	5299	5721	5472
90	5335	5367	5380	5655	5384
95	5389	5289	5635	5434	5507

Type 6 Radar Waveform_13

Frequency List (MHz)	0	1	2	3	4
0	5411	5566	5418	5340	5619
5	5650	5683	5462	5672	5405
10	5373	5252	5396	5333	5553
15	5661	5562	5706	5583	5577
20	5447	5466	5452	5685	5704
25	5626	5365	5432	5644	5602
30	5701	5668	5272	5575	5314
35	5571	5707	5256	5703	5268
40	5589	5455	5664	5397	5390
45	5384	5627	5512	5666	5328
50	5350	5678	5710	5659	5293
55	5404	5444	5490	5496	5453
60	5505	5527	5261	5712	5264
65	5327	5488	5544	5588	5480
70	5290	5479	5700	5298	5267
75	5285	5572	5273	5416	5687
80	5477	5631	5514	5513	5467
85	5497	5563	5349	5506	5595
90	5476	5494	5603	5282	5338
95	5251	5587	5372	5429	5253

Type 6 Radar Waveform_14

Frequency List (MHz)	0	1	2	3	4
0	5569	5330	5354	5501	5364
5	5692	5705	5537	5263	5709
10	5304	5516	5437	5528	5574
15	5274	5689	5334	5531	5294
20	5358	5402	5504	5651	5425
25	5573	5556	5257	5469	5466
30	5686	5491	5658	5408	5424
35	5571	5411	5288	5585	5255
40	5485	5546	5339	5641	5508
45	5586	5384	5644	5480	5448
50	5514	5388	5367	5604	5417
55	5648	5525	5423	5613	5483
60	5698	5415	5619	5273	5538
65	5680	5376	5451	5253	5685
70	5474	5526	5534	5634	5410
75	5588	5393	5564	5439	5259
80	5599	5271	5519	5450	5541
85	5529	5270	5611	5590	5319
90	5594	5609	5381	5542	5715
95	5317	5355	5443	5477	5511

Type 6 Radar Waveform_15

Frequency List (MHz)	0	1	2	3	4
0	5349	5569	5290	5662	5681
5	5356	5630	5612	5426	5441
10	5613	5402	5478	5723	5595
15	5362	5341	5437	5576	5486
20	5366	5568	5445	5643	5398
25	5461	5408	5460	5573	5500
30	5350	5477	5615	5526	5391
35	5453	5379	5505	5496	5385
40	5422	5579	5273	5680	5313
45	5624	5563	5506	5490	5304
50	5264	5543	5655	5603	5374
55	5469	5611	5567	5673	5517
60	5386	5438	5483	5609	5677
65	5397	5551	5634	5687	5306
70	5418	5337	5706	5396	5591
75	5717	5540	5606	5719	5414
80	5357	5296	5560	5322	5693
85	5320	5267	5331	5590	5636
90	5654	5326	5346	5488	5515
95	5361	5359	5597	5528	5345

Type 6 Radar Waveform_16

Frequency List (MHz)	0	1	2	3	4
0	5604	5333	5701	5348	5426
5	5398	5652	5687	5589	5648
10	5544	5666	5519	5443	5616
15	5450	5468	5540	5621	5678
20	5374	5259	5386	5257	5371
25	5252	5357	5663	5677	5534
30	5392	5366	5572	5266	5350
35	5592	5470	5274	5658	5410
40	5699	5602	5517	5416	5620
45	5507	5646	5467	5543	5518
50	5719	5706	5692	5672	5316
55	5702	5521	5291	5714	5305
60	5603	5428	5441	5600	5343
65	5277	5583	5723	5516	5688
70	5400	5382	5691	5566	5575
75	5364	5460	5338	5548	5573
80	5578	5383	5264	5526	5493
85	5617	5421	5689	5547	5261
90	5335	5486	5367	5414	5619
95	5545	5451	5556	5560	5328

Type 6 Radar Waveform_17

Frequency List (MHz)	0	1	2	3	4
0	5384	5572	5637	5509	5268
5	5440	5577	5287	5277	5477
10	5378	5455	5560	5541	5441
15	5498	5643	5569	5395	5285
20	5328	5424	5724	5344	5615
25	5684	5391	5403	5568	5434
30	5255	5432	5481	5502	5409
35	5256	5561	5545	5336	5324
40	5635	5685	5656	5674	5549
45	5487	5254	5525	5596	5456
50	5394	5420	5282	5306	5495
55	5260	5415	5475	5533	5706
60	5293	5373	5273	5426	5386
65	5575	5532	5284	5348	5580
70	5321	5472	5465	5694	5318
75	5492	5316	5544	5387	5603
80	5319	5703	5683	5359	5546
85	5446	5261	5721	5396	5417
90	5613	5654	5501	5412	5651
95	5448	5340	5562	5636	5349

Type 6 Radar Waveform_18

Frequency List (MHz)	0	1	2	3	4
0	5542	5336	5573	5670	5488
5	5482	5599	5362	5343	5684
10	5309	5719	5601	5261	5658
15	5529	5625	5649	5614	5587
20	5293	5494	5365	5338	5317
25	5406	5633	5594	5507	5602
30	5716	5389	5276	5704	5298
35	5652	5438	5586	5335	5474
40	5393	5421	5671	5381	5467
45	5337	5583	5552	5270	5596
50	5333	5395	5318	5582	5603
55	5332	5352	5677	5563	5458
60	5415	5580	5252	5301	5481
65	5698	5558	5375	5641	5451
70	5319	5642	5468	5275	5416
75	5271	5300	5480	5696	5615
80	5613	5606	5636	5538	5396
85	5356	5640	5330	5522	5660
90	5353	5341	5476	5385	5286
95	5676	5510	5620	5344	5417

Type 6 Radar Waveform_19

Frequency List (MHz)	0	1	2	3	4
0	5322	5575	5509	5356	5330
5	5621	5524	5437	5506	5416
10	5715	5508	5642	5456	5679
15	5617	5277	5659	5304	5301
20	5563	5306	5290	5294	5485
25	5700	5611	5636	5615	5605
30	5346	5339	5428	5427	5365
35	5709	5264	5724	5313	5473
40	5331	5661	5668	5310	5447
45	5420	5641	5608	5297	5384
50	5581	5519	5526	5316	5286
55	5386	5549	5648	5692	5623
60	5360	5412	5650	5278	5599
65	5430	5259	5390	5267	5402
70	5713	5491	5347	5385	5627
75	5317	5281	5257	5396	5302
80	5669	5633	5258	5299	5673
85	5603	5425	5487	5433	5551
90	5482	5419	5643	5461	5693
95	5565	5701	5717	5394	5544

Type 6 Radar Waveform_20

Frequency List (MHz)	0	1	2	3	4
0	5577	5339	5445	5420	5550
5	5663	5546	5512	5669	5720
10	5549	5297	5305	5651	5700
15	5705	5404	5380	5704	5496
20	5687	5254	5722	5419	5263
25	5560	5337	5428	5715	5670
30	5657	5591	5303	5554	5677
35	5576	5456	5505	5417	5638
40	5627	5556	5269	5329	5665
45	5714	5427	5503	5602	5658
50	5495	5400	5473	5435	5342
55	5373	5504	5368	5619	5346
60	5313	5341	5476	5321	5325
65	5379	5295	5600	5537	5680
70	5407	5423	5340	5323	5668
75	5257	5272	5460	5262	5509
80	5441	5652	5466	5630	5453
85	5515	5617	5355	5557	5681
90	5274	5671	5488	5525	5710
95	5620	5685	5615	5278	5497

Type 6 Radar Waveform_21

Frequency List (MHz)	0	1	2	3	4
0	5357	5578	5381	5581	5392
5	5705	5471	5587	5452	5480
10	5658	5346	5371	5721	5696
15	5531	5483	5652	5310	5695
20	5323	5285	5411	5711	5448
25	5286	5631	5441	5704	5699
30	5260	5294	5354	5445	5715
35	5547	5301	5667	5649	5563
40	5639	5585	5569	5284	5546
45	5407	5586	5660	5276	5486
50	5640	5317	5692	5669	5291
55	5662	5493	5378	5478	5347
60	5648	5302	5267	5526	5328
65	5709	5432	5332	5386	5479
70	5506	5425	5664	5299	5627
75	5701	5295	5718	5454	5433
80	5630	5417	5677	5626	5712
85	5320	5511	5361	5494	5390
90	5582	5252	5675	5513	5257
95	5600	5562	5475	5643	5389

Type 6 Radar Waveform_22

Frequency List (MHz)	0	1	2	3	4
0	5612	5342	5317	5267	5272
5	5493	5662	5520	5659	5411
10	5447	5387	5469	5309	5561
15	5586	5697	5502	5703	5489
20	5701	5500	5684	5336	5613
25	5359	5545	5263	5363	5369
30	5692	5412	5603	5265	5282
35	5638	5669	5345	5563	5402
40	5722	5523	5334	5281	5475
45	5290	5718	5289	5647	5627
50	5350	5537	5373	5463	5639
55	5308	5623	5481	5464	5507
60	5643	5292	5480	5700	5688
65	5349	5277	5270	5642	5699
70	5664	5648	5492	5428	5416
75	5275	5573	5415	5649	5538
80	5564	5689	5624	5368	5580
85	5296	5686	5429	5663	5562
90	5702	5526	5597	5424	5667
95	5691	5366	5255	5711	5285

Type 6 Radar Waveform_23

Frequency List (MHz)	0	1	2	3	4
0	5295	5581	5253	5428	5454
5	5411	5418	5262	5586	5488
10	5720	5711	5664	5288	5397
15	5688	5592	5267	5694	5614
20	5558	5642	5492	5657	5602
25	5562	5649	5297	5405	5355
30	5627	5280	5463	5421	5254
35	5465	5498	5477	5716	5427
40	5461	5278	5307	5270	5277
45	5679	5342	5437	5503	5526
50	5588	5559	5583	5496	5577
55	5574	5678	5435	5636	5333
60	5712	5312	5256	5550	5701
65	5684	5474	5494	5467	5478
70	5528	5265	5251	5545	5542
75	5535	5695	5302	5693	5674
80	5470	5386	5543	5524	5660
85	5580	5613	5621	5628	5516
90	5475	5587	5691	5603	5361
95	5452	5703	5383	5310	5259

Type 6 Radar Waveform_24

Frequency List (MHz)	0	1	2	3	4
0	5550	5345	5664	5589	5674
5	5453	5440	5337	5274	5695
10	5651	5500	5469	5384	5309
15	5485	5340	5312	5411	5622
20	5724	5680	5581	5630	5490
25	5414	5668	5278	5331	5447
30	5719	5606	5367	5529	5283
35	5560	5261	5488	5555	5510
40	5399	5717	5275	5711	5250
45	5360	5262	5395	5324	5282
50	5702	5639	5648	5487	5430
55	5684	5531	5289	5497	5290
60	5498	5657	5619	5449	5677
65	5373	5650	5720	5386	5270
70	5317	5464	5605	5504	5655
75	5363	5470	5687	5251	5521
80	5380	5483	5552	5709	5716
85	5496	5567	5723	5310	5381
90	5609	5334	5400	5365	5718
95	5682	5572	5434	5303	5663

Type 6 Radar Waveform_25

Frequency List (MHz)	0	1	2	3	4
0	5330	5584	5600	5275	5516
5	5495	5365	5412	5437	5427
10	5582	5289	5510	5579	5476
15	5467	5323	5260	5603	5630
20	5318	5621	5573	5281	5266
25	5396	5479	5586	5608	5563
30	5681	5481	5602	5533	5629
35	5426	5402	5394	5593	5337
40	5482	5272	5640	5705	5443
45	5320	5351	5589	5633	5403
50	5690	5262	5310	5374	5397
55	5485	5316	5280	5419	5663
60	5699	5548	5623	5574	5599
65	5656	5486	5547	5631	5438
70	5581	5463	5383	5300	5409
75	5264	5722	5322	5507	5714
80	5291	5518	5575	5386	5672
85	5433	5461	5521	5399	5605
90	5546	5615	5332	5594	5446
95	5417	5420	5324	5677	5454

Type 6 Radar Waveform_26

Frequency List (MHz)	0	1	2	3	4
0	5585	5445	5536	5436	5261
5	5537	5387	5487	5600	5634
10	5416	5650	5551	5299	5351
15	5564	5594	5426	5305	5320
20	5541	5484	5562	5662	5576
25	5644	5690	5599	5583	5399
30	5628	5520	5700	5455	5301
35	5266	5624	5425	5579	5316
40	5330	5298	5275	5722	5366
45	5472	5685	5526	5281	5404
50	5476	5509	5608	5696	5439
55	5669	5513	5251	5548	5353
60	5380	5569	5397	5695	5451
65	5254	5558	5533	5665	5557
70	5422	5352	5323	5552	5720
75	5499	5432	5288	5306	5354
80	5515	5295	5386	5711	5257
85	5528	5329	5572	5647	5328
90	5621	5458	5434	5475	5308
95	5575	5433	5640	5699	5278

Type 6 Radar Waveform_27

Frequency List (MHz)	0	1	2	3	4
0	5268	5684	5569	5500	5578
5	5676	5312	5562	5666	5463
10	5347	5439	5592	5397	5372
15	5652	5624	5529	5350	5512
20	5549	5650	5600	5654	5435
25	5542	5327	5687	5433	5670
30	5483	5477	5440	5607	5596
35	5405	5715	5696	5257	5644
40	5381	5688	5390	5363	5401
45	5665	5609	5339	5457	5266
50	5288	5280	5317	5334	5640
55	5298	5393	5384	5332	5697
60	5580	5518	5589	5499	5612
65	5598	5594	5256	5558	5343
70	5532	5252	5519	5259	5514
75	5533	5699	5443	5695	5701
80	5276	5445	5544	5470	5417
85	5490	5289	5720	5294	5526
90	5420	5623	5724	5303	5358
95	5567	5548	5530	5292	5473

Type 6 Radar Waveform_28

Frequency List (MHz)	0	1	2	3	4
0	5523	5448	5505	5661	5323
5	5718	5334	5637	5354	5670
10	5656	5703	5255	5592	5393
15	5265	5276	5535	5298	5704
20	5557	5719	5541	5268	5522
25	5491	5530	5316	5370	5469
30	5434	5655	5381	5319	5544
35	5331	5492	5507	5716	5483
40	5464	5529	5630	5360	5708
45	5548	5692	5397	5510	5628
50	5639	5456	5368	5626	5632
55	5487	5389	5347	5574	5571
60	5709	5683	5534	5519	5325
65	5558	5324	5543	5293	5613
70	5335	5262	5363	5509	5340
75	5668	5563	5266	5682	5431
80	5555	5634	5577	5412	5307
85	5667	5280	5437	5480	5346
90	5566	5337	5618	5676	5565
95	5585	5373	5371	5294	5717

Type 6 Radar Waveform_29

Frequency List (MHz)	0	1	2	3	4
0	5303	5687	5441	5347	5640
5	5285	5259	5712	5517	5402
10	5587	5492	5296	5312	5414
15	5256	5403	5638	5343	5518
20	5468	5410	5482	5260	5495
25	5686	5636	5420	5404	5376
30	5358	5391	5395	5533	5614
35	5586	5422	5385	5660	5630
40	5322	5547	5467	5357	5637
45	5528	5300	5563	5418	5515
50	5632	5419	5715	5455	5431
55	5577	5301	5289	5445	5542
60	5363	5373	5576	5448	5626
65	5504	5622	5706	5600	5505
70	5613	5493	5588	5265	5485
75	5299	5540	5683	5409	5663
80	5568	5581	5323	5502	5667
85	5718	5532	5602	5531	5641
90	5261	5371	5500	5688	5582
95	5269	5651	5474	5440	5566

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2022-08-29		
Test Item	Radar Statistical Performance Check (Target channel, 802.11ax-HE80, 5530MHz)		

Radar Type 1-4 - Radar Statistical Performance								
Trial	Radar Type 1		Radar Type 2		Radar Type 3		Radar Type 4	
	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect
0	5536	1	5553	1	5536	1	5530	0
1	5551	1	5502	0	5513	1	5550	1
2	5544	1	5542	1	5522	1	5545	1
3	5527	1	5491	0	5527	1	5508	1
4	5497	1	5565	1	5550	1	5557	0
5	5541	1	5539	1	5529	0	5532	0
6	5540	1	5495	1	5511	1	5546	1
7	5530	1	5547	1	5562	1	5520	1
8	5499	0	5503	0	5561	1	5546	1
9	5539	1	5549	1	5496	0	5552	1
10	5569	1	5538	1	5508	1	5535	1
11	5536	1	5569	1	5492	1	5538	1
12	5491	1	5553	1	5520	1	5519	1
13	5548	1	5551	1	5510	1	5569	0
14	5507	1	5530	1	5518	1	5547	1
15	5500	0	5519	1	5550	1	5548	1
16	5553	1	5561	1	5565	0	5542	0
17	5495	1	5499	0	5499	1	5529	0
18	5545	1	5511	1	5494	1	5517	1
19	5566	1	5560	1	5533	0	5538	1
20	5529	1	5548	1	5491	1	5491	1
21	5565	1	5495	1	5554	1	5493	1
22	5512	1	5522	1	5559	1	5528	1
23	5505	1	5550	1	5534	1	5545	0
24	5539	1	5493	1	5569	1	5564	1
25	5562	1	5559	1	5530	1	5562	0
26	5547	1	5500	1	5562	1	5543	0
27	5528	1	5567	1	5536	0	5499	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
28	5515	1	5510	1	5522	1	5525	1
29	5534	1	5499	1	5514	1	5509	1
Probability:	93.3%		86.7%		83.3%		70.0%	
Aggregate:	**83.3% (>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	518.0	102	52836.0
Download	1	Type 1	1.0	758.0	70	53060.0
Download	2	Type 1	1.0	938.0	57	53466.0
Download	3	Type 1	1.0	918.0	58	53244.0
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	878.0	61	53558.0
Download	7	Type 1	1.0	578.0	92	53176.0
Download	8	Type 1	1.0	558.0	95	53010.0
Download	9	Type 1	1.0	638.0	83	52954.0
Download	10	Type 1	1.0	598.0	89	53222.0
Download	11	Type 1	1.0	738.0	72	53136.0
Download	12	Type 1	1.0	778.0	68	52904.0
Download	13	Type 1	1.0	698.0	76	53048.0
Download	14	Type 1	1.0	798.0	67	53466.0
Download	15	Type 1	1.0	1080.0	49	52920.0
Download	16	Type 1	1.0	633.0	84	53172.0
Download	17	Type 1	1.0	2534.0	21	53214.0
Download	18	Type 1	1.0	2723.0	20	54460.0
Download	19	Type 1	1.0	1248.0	43	53664.0
Download	20	Type 1	1.0	995.0	54	53730.0
Download	21	Type 1	1.0	784.0	68	53312.0
Download	22	Type 1	1.0	1478.0	36	53208.0
Download	23	Type 1	1.0	2692.0	20	53840.0
Download	24	Type 1	1.0	2987.0	18	53766.0
Download	25	Type 1	1.0	1229.0	43	52847.0
Download	26	Type 1	1.0	797.0	67	53399.0
Download	27	Type 1	1.0	1753.0	31	54343.0
Download	28	Type 1	1.0	1526.0	35	53410.0
Download	29	Type 1	1.0	1333.0	40	53320.0

Radar Type 2 - Radar Waveform

	Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
Download	0	Type 2	4.0	162.0	28	4536.0
Download	1	Type 2	1.8	202.0	24	4848.0
Download	2	Type 2	2.0	156.0	24	3744.0
Download	3	Type 2	1.0	201.0	23	4623.0
Download	4	Type 2	4.3	187.0	28	5236.0
Download	5	Type 2	1.0	208.0	23	4784.0
Download	6	Type 2	4.4	206.0	28	5768.0
Download	7	Type 2	3.5	220.0	27	5940.0
Download	8	Type 2	1.9	184.0	24	4416.0
Download	9	Type 2	3.9	155.0	27	4185.0
Download	10	Type 2	1.7	204.0	24	4896.0
Download	11	Type 2	4.8	222.0	29	6438.0
Download	12	Type 2	3.8	166.0	27	4482.0
Download	13	Type 2	2.2	167.0	25	4175.0
Download	14	Type 2	3.2	191.0	26	4966.0
Download	15	Type 2	4.8	186.0	29	5394.0
Download	16	Type 2	1.5	158.0	23	3634.0
Download	17	Type 2	3.5	169.0	27	4563.0
Download	18	Type 2	1.4	216.0	23	4968.0
Download	19	Type 2	4.3	200.0	28	5600.0
Download	20	Type 2	1.9	183.0	24	4392.0
Download	21	Type 2	3.3	212.0	27	5724.0
Download	22	Type 2	3.2	159.0	26	4134.0
Download	23	Type 2	3.1	160.0	26	4160.0
Download	24	Type 2	3.1	161.0	26	4186.0
Download	25	Type 2	3.3	171.0	26	4446.0
Download	26	Type 2	3.3	180.0	27	4860.0
Download	27	Type 2	2.1	182.0	25	4550.0
Download	28	Type 2	2.3	153.0	25	3825.0
Download	29	Type 2	3.0	224.0	26	5824.0

Radar Type 3 - Radar Waveform

	Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
Download	0	Type 3	9.0	448.0	18	8064.0
Download	1	Type 3	6.8	435.0	16	6960.0
Download	2	Type 3	7.0	204.0	16	3264.0
Download	3	Type 3	6.0	334.0	16	5344.0
Download	4	Type 3	9.3	437.0	18	7866.0
Download	5	Type 3	6.0	306.0	16	4896.0
Download	6	Type 3	9.4	331.0	18	5958.0
Download	7	Type 3	8.5	333.0	17	5661.0
Download	8	Type 3	6.9	412.0	16	6592.0
Download	9	Type 3	8.9	254.0	18	4572.0
Download	10	Type 3	6.7	419.0	16	6704.0
Download	11	Type 3	9.8	438.0	18	7884.0
Download	12	Type 3	8.8	375.0	18	6750.0
Download	13	Type 3	7.2	200.0	16	3200.0
Download	14	Type 3	8.2	388.0	17	6596.0
Download	15	Type 3	9.8	336.0	18	6048.0
Download	16	Type 3	6.5	458.0	16	7328.0
Download	17	Type 3	8.5	266.0	17	4522.0
Download	18	Type 3	6.4	212.0	16	3392.0
Download	19	Type 3	9.3	206.0	18	3708.0
Download	20	Type 3	6.9	210.0	16	3360.0
Download	21	Type 3	8.3	300.0	17	5100.0
Download	22	Type 3	8.2	436.0	17	7412.0
Download	23	Type 3	8.1	496.0	17	8432.0
Download	24	Type 3	8.1	418.0	17	7106.0
Download	25	Type 3	8.3	319.0	17	5423.0
Download	26	Type 3	8.3	399.0	17	6783.0
Download	27	Type 3	7.1	356.0	16	5696.0
Download	28	Type 3	7.3	482.0	16	7712.0
Download	29	Type 3	8.0	323.0	17	5491.0

Radar Type 4 - Radar Waveform

	Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
Download	0	Type 4	17.7	448.0	15	6720.0
Download	1	Type 4	12.9	435.0	13	5655.0
Download	2	Type 4	13.3	204.0	13	2652.0
Download	3	Type 4	11.0	334.0	12	4008.0
Download	4	Type 4	18.3	437.0	16	6992.0
Download	5	Type 4	11.0	306.0	12	3672.0
Download	6	Type 4	18.6	331.0	16	5296.0
Download	7	Type 4	16.6	333.0	15	4995.0
Download	8	Type 4	13.2	412.0	13	5356.0
Download	9	Type 4	17.4	254.0	15	3810.0
Download	10	Type 4	12.7	419.0	12	5028.0
Download	11	Type 4	19.4	438.0	16	7008.0
Download	12	Type 4	17.3	375.0	15	5625.0
Download	13	Type 4	13.7	200.0	13	2600.0
Download	14	Type 4	15.8	388.0	14	5432.0
Download	15	Type 4	19.5	336.0	16	5376.0
Download	16	Type 4	12.2	458.0	12	5496.0
Download	17	Type 4	16.5	266.0	15	3990.0
Download	18	Type 4	12.0	212.0	12	2544.0
Download	19	Type 4	18.3	206.0	16	3296.0
Download	20	Type 4	13.1	210.0	13	2730.0
Download	21	Type 4	16.2	300.0	14	4200.0
Download	22	Type 4	15.8	436.0	14	6104.0
Download	23	Type 4	15.6	496.0	14	6944.0
Download	24	Type 4	15.7	418.0	14	5852.0
Download	25	Type 4	16.1	319.0	14	4466.0
Download	26	Type 4	16.3	399.0	14	5586.0
Download	27	Type 4	13.6	356.0	13	4628.0
Download	28	Type 4	13.9	482.0	13	6266.0
Download	29	Type 4	15.4	323.0	14	4522.0

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	1	15	5499	1
1	5530	1	16	5493.8	0
2	5530	1	17	5496.6	1
3	5530	1	18	5493.4	0
4	5530	1	19	5497.8	1
5	5530	1	20	5565.8	1
6	5530	1	21	5563.4	0
7	5530	1	22	5563.8	1
8	5530	1	23	5563.8	1
9	5530	1	24	5563.8	1
10	5494.2	0	25	5563.8	1
11	5498.6	1	26	5563.4	0
12	5497.4	1	27	5565.4	1
13	5494.6	1	28	5565	1
14	5496.2	1	29	5564.2	1
Detection Percentage (%)			**83.3%**		

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)
688714.0	87.0	16	3	1336.0	1175.0	1726.0
157869.0	60.8	16	1	1426.0	–	–
328819.0	62.7	16	1	1217.0	–	–
499198.0	50.1	16	1	1958.0	–	–
668079.0	90.5	16	3	1497.0	1313.0	1084.0
136712.0	50.3	16	1	2000.0	–	–
306318.0	92.3	16	3	1437.0	1900.0	1201.0
477643.0	80.9	16	2	1460.0	1272.0	–
649254.0	62.1	16	1	1566.0	–	–
115351.0	85.6	16	3	1432.0	1116.0	1478.0
286459.0	59.5	16	1	1850.0	–	–
455590.0	96.4	16	3	1744.0	1092.0	1508.0
625712.0	84.7	16	3	1150.0	1422.0	1798.0
94659.0	65.2	16	1	1979.0	–	–
264796.0	76.9	16	2	1773.0	1750.0	–
434610.0	96.9	16	3	1621.0	1563.0	1195.0
607161.0	56.6	16	1	1578.0	–	–

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)
125226.0	80.6	8	2	1220.0	1622.0	–
415946.0	55.8	8	1	1772.0	–	–
705194.0	90.4	8	3	1139.0	1486.0	1452.0
997136.0	61.6	8	1	1803.0	–	–
89464.0	78.9	8	2	1247.0	1564.0	–
379708.0	76.8	8	2	1603.0	1562.0	–
670453.0	75.7	8	2	1066.0	1251.0	–
960332.0	76.4	8	2	1661.0	1399.0	–
53682.0	78.1	8	2	1838.0	1352.0	–
344227.0	79.2	8	2	1012.0	1198.0	–

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)
577432.0	64.4	9	1	1244.0	-	-
841187.0	66.0	9	1	1922.0	-	-
16295.0	74.4	9	2	1829.0	1257.0	-
279835.0	91.1	9	3	1421.0	1232.0	1565.0
544545.0	63.1	9	1	1913.0	-	-
808033.0	81.9	9	2	1632.0	1127.0	-
1072982.0	56.3	9	1	1705.0	-	-
247961.0	63.1	9	1	1625.0	-	-
510588.0	99.9	9	3	1240.0	1905.0	1796.0
774551.0	92.9	9	3	1546.0	1279.0	1300.0
1037027.0	89.1	9	3	1530.0	1907.0	1843.0

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)
295970.0	73.1	5	2	1609.0	1800.0	-
658302.0	85.6	5	3	1318.0	1627.0	1914.0
1021645.0	95.4	5	3	1529.0	1058.0	1211.0
1383366.0	89.4	5	3	1436.0	1633.0	1978.0
251546.0	62.3	5	1	1702.0	-	-
614831.0	59.0	5	1	1945.0	-	-
976797.0	85.0	5	3	1884.0	1065.0	1077.0
1338913.0	98.6	5	3	1684.0	1906.0	1224.0

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)
91364.0	90.9	17	3	1688.0	1363.0	1628.0
253032.0	57.6	17	1	1749.0	-	-
413577.0	68.3	17	2	1295.0	1606.0	-
575399.0	51.2	17	1	1933.0	-	-
71580.0	92.5	17	3	1326.0	1967.0	1450.0
233090.0	63.8	17	1	1969.0	-	-
394867.0	57.4	17	1	1015.0	-	-
552963.0	94.3	17	3	1239.0	1903.0	1876.0
51956.0	78.9	17	2	1167.0	1653.0	-
213421.0	58.0	17	1	1384.0	-	-
372728.0	84.0	17	3	1574.0	1918.0	1522.0
533441.0	87.1	17	3	1994.0	1517.0	1203.0
32127.0	73.8	17	2	1104.0	1664.0	-
193419.0	62.3	17	1	1820.0	-	-
354419.0	71.1	17	2	1059.0	1223.0	-
514842.0	77.9	17	2	1319.0	1879.0	-
12313.0	64.9	17	1	1683.0	-	-
173033.0	87.7	17	3	1155.0	1499.0	1172.0

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)
752523.0	94.5	5	3	1899.0	1880.0	1872.0
1115594.0	96.5	5	3	1925.0	1138.0	1724.0
1481795.0	64.5	5	1	1183.0	-	-
346020.0	78.3	5	2	1262.0	1940.0	-
709629.0	52.1	5	1	1959.0	-	-
1072437.0	77.0	5	2	1234.0	1444.0	-
1436900.0	53.9	5	1	1306.0	-	-
301343.0	67.5	5	2	1980.0	1031.0	-

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)
295433.0	57.5	18	1	1023.0	-	-
455658.0	70.3	18	2	1636.0	1157.0	-
615011.0	95.0	18	3	1944.0	1366.0	1267.0
113825.0	72.3	18	2	1343.0	1334.0	-
275390.0	66.5	18	1	1404.0	-	-
435707.0	67.8	18	2	1704.0	1270.0	-
595551.0	90.7	18	3	1474.0	1034.0	1714.0
93875.0	77.8	18	2	1700.0	1780.0	-
254761.0	87.3	18	3	1051.0	1062.0	1255.0
416073.0	71.5	18	2	1518.0	1147.0	-
576058.0	96.1	18	3	1376.0	1006.0	1498.0
74307.0	64.7	18	1	1288.0	-	-
235168.0	81.9	18	2	1357.0	1385.0	-
395919.0	77.2	18	2	1658.0	1538.0	-
558052.0	55.7	18	1	1742.0	-	-
54123.0	87.6	18	3	1587.0	1681.0	1763.0
215215.0	77.5	18	2	1124.0	1982.0	-
376889.0	55.0	18	1	1801.0	-	-

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)
606136.0	65.8	14	1	1126.0	-	-
38851.0	55.7	14	1	1832.0	-	-
220465.0	65.3	14	1	1289.0	-	-
401934.0	60.7	14	1	1506.0	-	-
583667.0	64.4	14	1	1250.0	-	-
16490.0	67.4	14	2	1061.0	1205.0	-
197833.0	74.4	14	2	1245.0	1043.0	-
378889.0	74.6	14	2	1827.0	1028.0	-
561264.0	64.6	14	1	1297.0	-	-
740061.0	88.6	14	3	1514.0	1243.0	1349.0
174861.0	84.1	14	3	1988.0	1303.0	1701.0
356977.0	62.6	14	1	2000.0	-	-
538809.0	55.4	14	1	1419.0	-	-
717183.0	91.4	14	3	1889.0	1355.0	1480.0
152620.0	97.3	14	3	1939.0	1909.0	1071.0
334476.0	75.0	14	2	1263.0	1083.0	-

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)
751814.0	56.3	8	1	1165.0	-	-
1012915.0	87.1	8	3	1021.0	1853.0	1719.0
190095.0	99.3	8	3	1291.0	1296.0	1828.0
454866.0	56.5	8	1	1393.0	-	-
716449.0	91.6	8	3	1615.0	1966.0	1840.0
983200.0	66.2	8	1	1559.0	-	-
157468.0	96.5	8	3	1975.0	1865.0	1736.0
420938.0	96.0	8	3	1439.0	1680.0	1833.0
685334.0	75.1	8	2	1576.0	1761.0	-
947567.0	99.7	8	3	1619.0	1897.0	1583.0
125329.0	81.9	8	2	1521.0	1591.0	-

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)
252088.0	50.2	16	1	1225.0	-	-
423081.0	55.7	16	1	1072.0	-	-
592379.0	67.2	16	2	1663.0	1356.0	-
59791.0	90.8	16	3	1797.0	1760.0	1692.0
230525.0	76.9	16	2	1477.0	1308.0	-
401702.0	50.8	16	1	1639.0	-	-
570101.0	97.2	16	3	1455.0	1973.0	1166.0
39063.0	61.1	16	1	1590.0	-	-
209002.0	98.3	16	3	1813.0	1115.0	1596.0
380998.0	52.2	16	1	1020.0	-	-
549043.0	96.8	16	3	1960.0	1375.0	1396.0
18013.0	55.8	16	1	1968.0	-	-
188562.0	77.6	16	2	1560.0	1055.0	-
358004.0	98.0	16	3	1643.0	1402.0	1768.0
528560.0	91.9	16	3	1696.0	1108.0	1312.0
701196.0	53.1	16	1	1670.0	-	-
167920.0	52.1	16	1	1068.0	-	-

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)
574892.0	93.8	8	3	1229.0	1647.0	1372.0
866115.0	74.7	8	2	1447.0	1121.0	-
1157977.0	66.1	8	1	1069.0	-	-
249646.0	54.7	8	1	1926.0	-	-
539875.0	67.4	8	2	1076.0	1608.0	-
831226.0	56.9	8	1	1294.0	-	-
1120690.0	70.9	8	2	1637.0	1004.0	-
213720.0	68.6	8	2	1428.0	1254.0	-
503155.0	88.4	8	3	1186.0	1839.0	1917.0
794172.0	70.9	8	2	1170.0	1998.0	-

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)
542589.0	63.4	19	1	1177.0	-	-
88459.0	99.7	19	3	1448.0	1751.0	1614.0
234078.0	59.3	19	1	1575.0	-	-
378413.0	69.3	19	2	1698.0	1142.0	-
521610.0	85.6	19	3	1086.0	1725.0	1892.0
71054.0	64.8	19	1	1651.0	-	-
215069.0	85.6	19	3	1340.0	1695.0	1671.0
360277.0	74.2	19	2	1484.0	1846.0	-
505180.0	68.8	19	2	1985.0	1119.0	-
52915.0	97.5	19	3	1817.0	1145.0	1655.0
197265.0	97.8	19	3	1630.0	1859.0	1276.0
343630.0	57.2	19	1	1278.0	-	-
488279.0	61.7	19	1	1964.0	-	-
35323.0	58.3	19	1	1321.0	-	-
179926.0	80.2	19	2	1347.0	1950.0	-
324492.0	99.1	19	3	1299.0	1192.0	1087.0
469433.0	72.7	19	2	1218.0	1992.0	-
17421.0	59.5	19	1	1910.0	-	-
162143.0	81.2	19	2	1194.0	1943.0	-
307074.0	71.7	19	2	1030.0	1770.0	-

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)
533113.0	58.6	16	1	1380.0	-	-
700432.0	99.7	16	3	1358.0	1883.0	1686.0
170305.0	63.0	16	1	1515.0	-	-
339557.0	94.3	16	3	1348.0	1445.0	1983.0
512187.0	52.2	16	1	1213.0	-	-
682782.0	50.4	16	1	1533.0	-	-
148550.0	83.5	16	3	1536.0	1547.0	1793.0
319132.0	77.1	16	2	1938.0	1693.0	-
490390.0	82.8	16	2	1123.0	1160.0	-
659515.0	98.9	16	3	1461.0	1120.0	1320.0
127767.0	96.3	16	3	1657.0	1151.0	1197.0
298072.0	72.2	16	2	1953.0	1868.0	-
468285.0	88.5	16	3	1553.0	1260.0	1097.0
639142.0	79.9	16	2	1777.0	1466.0	-
106718.0	83.7	16	3	1429.0	1464.0	1645.0
278136.0	61.5	16	1	1193.0	-	-
447021.0	88.9	16	3	1235.0	1412.0	1723.0

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)
957323.0	82.9	9	2	1362.0	1378.0	-
133263.0	61.1	9	1	1156.0	-	-
396352.0	91.1	9	3	1164.0	1649.0	1659.0
659679.0	92.0	9	3	1816.0	1364.0	1570.0
924142.0	73.7	9	2	1825.0	1707.0	-
100577.0	73.0	9	2	1316.0	1248.0	-
364917.0	55.7	9	1	1424.0	-	-
629168.0	54.3	9	1	1395.0	-	-
891205.0	86.6	9	3	1109.0	1265.0	1709.0
68152.0	62.9	9	1	1141.0	-	-
332231.0	57.7	9	1	1877.0	-	-

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)
468120.0	74.5	13	2	1038.0	1249.0	-
674961.0	68.3	13	2	1009.0	1896.0	-
27840.0	84.2	13	3	1912.0	1036.0	1866.0
235381.0	61.3	13	1	1819.0	-	-
441501.0	87.4	13	3	1382.0	1333.0	1660.0
650515.0	66.6	13	1	1493.0	-	-
2388.0	62.2	13	1	1269.0	-	-
209799.0	63.8	13	1	1941.0	-	-
416168.0	86.6	13	3	1144.0	1457.0	1481.0
625255.0	65.1	13	1	1080.0	-	-
830774.0	67.1	13	2	1787.0	1454.0	-
183725.0	85.2	13	3	1060.0	1650.0	1669.0
391170.0	81.3	13	2	1654.0	1365.0	-
599398.0	58.5	13	1	1483.0	-	-

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)
560867.0	91.4	20	3	1743.0	1885.0	1629.0
110696.0	70.0	20	2	1771.0	1718.0	-
256293.0	51.1	20	1	1330.0	-	-
400225.0	75.6	20	2	1672.0	1543.0	-
545883.0	68.7	20	2	1159.0	1050.0	-
92995.0	81.9	20	2	1409.0	1311.0	-
237898.0	74.7	20	2	1146.0	1465.0	-
382622.0	68.7	20	2	1010.0	1854.0	-
528976.0	60.2	20	1	1132.0	-	-
74820.0	89.9	20	3	1818.0	1997.0	1548.0
219432.0	98.4	20	3	1397.0	1857.0	1039.0
364365.0	90.2	20	3	1451.0	1081.0	1016.0
509255.0	79.8	20	2	1541.0	1735.0	-
57152.0	84.9	20	3	1870.0	1453.0	1035.0
202070.0	76.6	20	2	1519.0	1491.0	-
347838.0	57.3	20	1	1325.0	-	-
490623.0	89.9	20	3	1513.0	1373.0	1368.0
39569.0	65.6	20	1	1153.0	-	-
183350.0	87.6	20	3	1937.0	1986.0	1955.0
329029.0	75.8	20	2	1956.0	1044.0	-

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)
1056937.0	52.6	7	1	1624.0	-	-
48197.0	64.5	7	1	1935.0	-	-
371202.0	64.6	7	1	1580.0	-	-
692270.0	84.9	7	3	1901.0	1791.0	1581.0
1015323.0	84.8	7	3	1383.0	1236.0	1401.0
8417.0	71.9	7	2	1350.0	1526.0	-
331122.0	67.6	7	2	1737.0	1029.0	-
653318.0	69.8	7	2	1844.0	1957.0	-
976320.0	74.9	7	2	1467.0	1586.0	-

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)
778865.0	73.7	14	2	1037.0	1315.0	-
174854.0	65.7	14	1	1520.0	-	-
367689.0	76.0	14	2	1371.0	1928.0	-
561978.0	59.8	14	1	1789.0	-	-
753264.0	83.5	14	3	1934.0	1052.0	1238.0
150623.0	82.4	14	2	1640.0	1871.0	-
344840.0	53.0	14	1	1095.0	-	-
538394.0	54.6	14	1	1400.0	-	-
730602.0	78.8	14	2	1430.0	1582.0	-
126943.0	67.8	14	2	1346.0	1449.0	-
320037.0	81.1	14	2	1991.0	1434.0	-
513525.0	83.0	14	2	1284.0	1685.0	-
707781.0	55.8	14	1	1898.0	-	-
103342.0	58.0	14	1	1134.0	-	-
295773.0	94.3	14	3	1468.0	1408.0	1805.0

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)
818492.0	62.9	6	1	1204.0	-	-
1138946.0	97.3	6	3	1488.0	1168.0	1616.0
132280.0	86.9	6	3	1100.0	1102.0	1494.0
455023.0	77.4	6	2	1734.0	1190.0	-
776975.0	87.3	6	3	1423.0	1525.0	1199.0
1100127.0	79.3	6	2	1507.0	1694.0	-
92618.0	75.2	6	2	1275.0	1558.0	-
415831.0	51.4	6	1	1154.0	-	-
736796.0	97.6	6	3	1200.0	1848.0	1947.0

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)
530177.0	55.4	17	1	1623.0	-	-
26445.0	55.8	17	1	1181.0	-	-
187406.0	76.9	17	2	1555.0	1185.0	-
348980.0	55.3	17	1	1691.0	-	-
510575.0	66.2	17	1	1277.0	-	-
6534.0	90.9	17	3	1634.0	1353.0	1231.0
167204.0	96.9	17	3	1971.0	1000.0	1228.0
329100.0	64.2	17	1	1720.0	-	-
490823.0	54.8	17	1	1106.0	-	-
648882.0	93.8	17	3	1271.0	1638.0	1626.0
147475.0	86.6	17	3	1329.0	1469.0	1122.0
308461.0	74.2	17	2	1523.0	1862.0	-
469874.0	72.4	17	2	1539.0	1073.0	-
630451.0	80.3	17	2	1611.0	1504.0	-
127481.0	96.4	17	3	1259.0	1830.0	1842.0
289663.0	52.5	17	1	1047.0	-	-
450243.0	73.6	17	2	1261.0	1046.0	-
611836.0	52.6	17	1	1802.0	-	-

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)
177250.0	61.1	8	1	1963.0	-	-
440090.0	97.9	8	3	1579.0	1861.0	1641.0
705776.0	56.5	8	1	1471.0	-	-
966689.0	92.8	8	3	1981.0	1246.0	1962.0
144425.0	96.9	8	3	1679.0	1088.0	1398.0
408903.0	56.4	8	1	1748.0	-	-
672559.0	70.3	8	2	1094.0	1463.0	-
936222.0	71.9	8	2	1739.0	1163.0	-
111922.0	87.6	8	3	1032.0	1759.0	1738.0
375394.0	85.0	8	3	1377.0	1286.0	1894.0
638593.0	90.3	8	3	1584.0	1946.0	1496.0

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)
661797.0	82.6	14	2	1837.0	1410.0	-
58186.0	95.7	14	3	1588.0	1074.0	1887.0
251129.0	98.6	14	3	1152.0	1635.0	1697.0
445614.0	64.2	14	1	1711.0	-	-
637532.0	78.4	14	2	1976.0	1849.0	-
34543.0	54.3	14	1	1769.0	-	-
227724.0	77.6	14	2	1418.0	1804.0	-
421757.0	55.4	14	1	1729.0	-	-
612384.0	97.7	14	3	1822.0	1867.0	1904.0
10656.0	88.4	14	3	1324.0	1790.0	1648.0
203747.0	87.9	14	3	1202.0	1189.0	1510.0
397049.0	71.0	14	2	1878.0	1577.0	-
590495.0	66.9	14	2	1532.0	1572.0	-
784104.0	78.2	14	2	1740.0	1022.0	-
180435.0	62.0	14	1	1815.0	-	-

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)
399932.0	71.5	13	2	1809.0	1852.0	-
607419.0	70.1	13	2	1361.0	1610.0	-
812446.0	90.6	13	3	1807.0	1961.0	1443.0
167574.0	66.9	13	2	1890.0	1079.0	-
374185.0	90.5	13	3	1179.0	1746.0	1305.0
581753.0	74.8	13	2	1886.0	1302.0	-
790868.0	63.6	13	1	1019.0	-	-
142073.0	76.6	13	2	1057.0	1810.0	-
349763.0	64.0	13	1	1642.0	-	-
557331.0	53.6	13	1	1516.0	-	-
762361.0	91.1	13	3	1026.0	1929.0	1342.0
116679.0	62.7	13	1	1936.0	-	-
324345.0	59.0	13	1	1273.0	-	-
530497.0	70.5	13	2	1811.0	1752.0	-

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)
736582.0	85.1	13	3	1951.0	1309.0	1386.0
90871.0	94.3	13	3	1435.0	1462.0	1475.0
298527.0	53.2	13	1	1989.0	-	-
506383.0	61.8	13	1	1221.0	-	-
712544.0	73.9	13	2	1722.0	1210.0	-
65486.0	72.2	13	2	1328.0	1855.0	-
272337.0	98.1	13	3	1687.0	1130.0	1184.0
478829.0	88.1	13	3	1500.0	1764.0	1489.0
688224.0	59.9	13	1	1441.0	-	-
39878.0	94.0	13	3	1996.0	1881.0	1387.0
247214.0	76.0	13	2	1405.0	1338.0	-
454317.0	68.7	13	2	1675.0	1287.0	-
660386.0	97.1	13	3	1965.0	1252.0	1161.0
14469.0	75.9	13	2	1841.0	1040.0	-

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)
222121.0	64.2	13	1	1082.0	-	-
428472.0	73.2	13	2	1721.0	1891.0	-
635836.0	76.8	13	2	1136.0	1999.0	-
841440.0	89.7	13	3	1784.0	1098.0	1792.0
196368.0	64.6	13	1	1860.0	-	-
402347.0	84.8	13	3	1458.0	1775.0	1706.0
609034.0	84.9	13	3	1528.0	1732.0	1678.0
819219.0	50.1	13	1	1283.0	-	-
170421.0	81.4	13	2	1987.0	1856.0	-
377843.0	70.7	13	2	1227.0	1552.0	-
584394.0	94.6	13	3	1089.0	1264.0	1389.0
793488.0	65.5	13	1	1459.0	-	-
145076.0	68.9	13	2	1977.0	1003.0	-
352159.0	69.1	13	2	1323.0	1845.0	-

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)
521295.0	84.5	13	3	1567.0	1025.0	1427.0
716825.0	60.6	13	1	1256.0	-	-
111399.0	87.4	13	3	1207.0	1713.0	1206.0
304489.0	91.7	13	3	1011.0	1556.0	1388.0
498226.0	68.5	13	2	1788.0	1093.0	-
690487.0	85.0	13	3	1215.0	1070.0	1824.0
87953.0	62.5	13	1	1129.0	-	-
280211.0	94.2	13	3	1631.0	1821.0	1911.0
473443.0	84.7	13	3	1416.0	1665.0	1431.0
669174.0	59.2	13	1	1169.0	-	-
63842.0	93.0	13	3	1253.0	1540.0	1390.0
257637.0	55.9	13	1	1756.0	-	-
451230.0	64.0	13	1	1767.0	-	-
642719.0	83.5	13	3	1241.0	1182.0	1952.0
40192.0	60.2	13	1	1716.0	-	-

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)
233070.0	96.7	14	3	1176.0	1747.0	1290.0
425796.0	90.9	14	3	1554.0	1403.0	1774.0
620494.0	71.7	14	2	1335.0	1056.0	-
16318.0	77.8	14	2	1085.0	1916.0	-
208947.0	87.7	14	3	1618.0	1993.0	1932.0
403646.0	62.3	14	1	1550.0	-	-
594961.0	90.9	14	3	1067.0	1781.0	1823.0
789223.0	76.8	14	2	1831.0	1456.0	-
186257.0	51.4	14	1	1064.0	-	-
378770.0	98.1	14	3	1018.0	1677.0	1005.0
571830.0	74.3	14	2	1920.0	1875.0	-
764436.0	85.6	14	3	1298.0	1158.0	1858.0
161772.0	84.9	14	3	1745.0	1178.0	1174.0
355917.0	62.9	14	1	1600.0	-	-
548626.0	82.6	14	2	1354.0	1595.0	-

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)
1012603.0	67.3	9	2	1331.0	1754.0	-
188924.0	58.4	9	1	1268.0	-	-
453178.0	53.3	9	1	1314.0	-	-
716315.0	79.0	9	2	1133.0	1888.0	-
981369.0	53.5	9	1	1682.0	-	-
155876.0	99.4	9	3	1292.0	1561.0	1869.0
420482.0	56.6	9	1	1690.0	-	-
683390.0	84.3	9	3	1209.0	1042.0	1446.0
948703.0	50.2	9	1	1826.0	-	-
123770.0	62.0	9	1	1708.0	-	-
388160.0	63.3	9	1	1078.0	-	-

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)
596692.0	70.1	10	2	1425.0	1923.0	-
837516.0	88.6	10	3	1140.0	1473.0	1799.0
83471.0	67.6	10	2	1757.0	1689.0	-
325087.0	96.7	10	3	1310.0	1367.0	1013.0
568082.0	58.7	10	1	1301.0	-	-
808986.0	70.8	10	2	1501.0	1417.0	-
53829.0	51.4	10	1	1027.0	-	-
294987.0	90.0	10	3	1662.0	1544.0	1617.0
536882.0	84.7	10	3	1111.0	1117.0	1605.0
779085.0	79.8	10	2	1212.0	1851.0	-
23936.0	72.8	10	2	1915.0	1188.0	-
265389.0	87.8	10	3	1502.0	1045.0	1779.0

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)
434668.0	81.2	12	2	1864.0	1438.0	-
642875.0	56.8	12	1	1806.0	-	-
848022.0	93.6	12	3	1226.0	1359.0	1534.0
201666.0	83.8	12	3	1381.0	1924.0	1730.0
408535.0	85.9	12	3	1148.0	1785.0	1673.0
615321.0	93.7	12	3	1509.0	1927.0	1143.0
822594.0	94.3	12	3	1233.0	1414.0	1415.0
176480.0	99.5	12	3	1339.0	1391.0	1002.0
384088.0	77.7	12	2	1222.0	1110.0	-
591352.0	81.3	12	2	1230.0	1180.0	-
799313.0	52.1	12	1	1703.0	-	-
150661.0	92.0	12	3	1970.0	1863.0	1731.0
357554.0	84.6	12	3	1131.0	1931.0	1646.0
566413.0	52.6	12	1	1511.0	-	-

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	5338	5538	5448	5509	5472
5	5687	5513	5255	5389	5521
10	5319	5694	5468	5379	5633
15	5601	5355	5703	5351	5341
20	5449	5260	5640	5646	5401
25	5258	5699	5339	5286	5679
30	5506	5402	5594	5719	5505
35	5409	5695	5520	5662	5425
40	5303	5673	5504	5352	5661
45	5548	5641	5325	5290	5396
50	5266	5363	5614	5625	5630
55	5685	5321	5301	5539	5450
60	5664	5635	5542	5599	5385
65	5475	5442	5482	5433	5511
70	5263	5582	5501	5481	5332
75	5675	5342	5721	5299	5712
80	5663	5418	5277	5578	5605
85	5611	5387	5570	5369	5674
90	5672	5670	5639	5558	5649
95	5556	5460	5394	5700	5306

Type 6 Radar Waveform_1

Frequency List (MHz)	0	1	2	3	4
0	5593	5302	5384	5670	5692
5	5351	5438	5330	5552	5253
10	5250	5483	5509	5574	5654
15	5592	5482	5331	5396	5533
20	5546	5518	5676	5632	5619
25	5289	5585	5427	5443	5320
30	5721	5492	5359	5334	5493
35	5703	5451	5311	5316	5340
40	5339	5617	5378	5442	5658
45	5380	5621	5408	5348	5352
50	5628	5689	5648	5414	5325
55	5448	5477	5398	5275	5491
60	5358	5612	5579	5354	5580
65	5374	5425	5428	5391	5265
70	5403	5444	5276	5487	5581
75	5387	5308	5634	5269	5693
80	5440	5528	5267	5515	5602
85	5321	5260	5388	5671	5328
90	5255	5524	5435	5262	5534
95	5680	5540	5457	5682	5656

Type 6 Radar Waveform_2

Frequency List (MHz)	0	1	2	3	4
0	5276	5541	5320	5356	5534
5	5393	5460	5405	5715	5656
10	5272	5550	5294	5675	5680
15	5609	5337	5441	5250	5554
20	5684	5714	5721	5592	5555
25	5630	5644	5354	5288	5381
30	5316	5549	5645	5523	5590
35	5402	5493	5253	5456	5461
40	5380	5260	5655	5309	5601
45	5491	5406	5418	5565	5349
50	5465	5414	5649	5421	5586
55	5704	5681	5583	5611	5519
60	5525	5303	5348	5374	5499
65	5340	5457	5475	5673	5722
70	5570	5584	5711	5284	5593
75	5658	5389	5488	5674	5692
80	5638	5314	5334	5578	5599
85	5516	5705	5634	5423	5695
90	5575	5683	5557	5699	5308
95	5477	5339	5668	5617	5352

Type 6 Radar Waveform_3

Frequency List (MHz)	0	1	2	3	4
0	5531	5305	5256	5517	5279
5	5435	5385	5480	5403	5289
10	5490	5536	5591	5489	5696
15	5293	5261	5440	5486	5442
20	5465	5375	5655	5335	5565
25	5443	5386	5358	5273	5388
30	5427	5270	5419	5721	5254
35	5493	5268	5264	5295	5544
40	5318	5500	5652	5616	5581
45	5574	5464	5458	5441	5525
50	5516	5503	5472	5299	5658
55	5396	5374	5457	5265	5684
60	5470	5610	5649	5320	5700
65	5307	5468	5420	5556	5587
70	5560	5638	5552	5627	5509
75	5631	5372	5651	5570	5498
80	5641	5596	5711	5541	5547
85	5694	5615	5563	5529	5456
90	5280	5389	5314	5511	5599
95	5328	5312	5723	5698	5250

Type 6 Radar Waveform_4

Frequency List (MHz)	0	1	2	3	4
0	5311	5641	5667	5678	5596
5	5574	5407	5555	5469	5496
10	5421	5325	5632	5587	5717
15	5381	5388	5543	5434	5634
20	5473	5444	5327	5538	5709
25	5335	5464	5377	5422	5256
30	5705	5571	5541	5393	5584
35	5276	5653	5706	5627	5265
40	5649	5545	5561	5657	5425
45	5511	5570	5695	5604	5567
50	5592	5295	5687	5390	5612
55	5586	5668	5428	5394	5374
60	5512	5442	5475	5363	5523
65	5529	5517	5360	5328	5589
70	5542	5409	5614	5499	5629
75	5677	5636	5624	5286	5351
80	5662	5326	5431	5486	5332
85	5528	5580	5704	5575	5554
90	5320	5481	5437	5329	5303
95	5682	5623	5397	5333	5598

Type 6 Radar Waveform_5

Frequency List (MHz)	0	1	2	3	4
0	5566	5405	5603	5364	5341
5	5616	5332	5630	5632	5703
10	5255	5686	5673	5307	5263
15	5372	5418	5646	5479	5351
20	5481	5610	5634	5416	5511
25	5597	5662	5667	5456	5620
30	5622	5345	5264	5435	5297
35	5547	5574	5567	5545	5669
40	5408	5474	5541	5265	5483
45	5564	5457	5571	5305	5618
50	5681	5593	5534	5578	5679
55	5487	5399	5523	5539	5274
60	5398	5309	5724	5284	5468
65	5349	5606	5661	5625	5690
70	5258	5590	5470	5652	5617
75	5401	5396	5607	5389	5493
80	5626	5444	5328	5717	5427
85	5477	5298	5719	5326	5482
90	5363	5546	5346	5358	5666
95	5521	5682	5403	5628	5623

Type 6 Radar Waveform_6

Frequency List (MHz)	0	1	2	3	4
0	5724	5644	5539	5525	5658
5	5354	5705	5320	5532	5661
10	5475	5336	5502	5284	5460
15	5545	5274	5524	5543	5392
20	5679	5575	5408	5484	5388
25	5514	5395	5682	5490	5650
30	5509	5619	5362	5497	5559
35	5574	5440	5349	5578	5384
40	5415	5607	5648	5265	5306
45	5424	5348	5541	5617	5722
50	5447	5481	5669	5319	5478
55	5291	5520	5394	5684	5370
60	5652	5704	5402	5581	5699
65	5255	5547	5708	5504	5522
70	5312	5355	5611	5315	5485
75	5566	5429	5340	5297	5488
80	5695	5653	5409	5418	5452
85	5443	5347	5267	5680	5361
90	5585	5628	5496	5516	5623
95	5558	5363	5413	5272	5419

Type 6 Radar Waveform_7

Frequency List (MHz)	0	1	2	3	4
0	5504	5408	5475	5686	5403
5	5700	5279	5305	5483	5264
10	5592	5377	5697	5548	5672
15	5280	5472	5357	5400	5370
20	5516	5497	5457	5276	5463
25	5598	5311	5524	5692	5495
30	5576	5577	5271	5282	5713
35	5479	5711	5502	5492	5698
40	5498	5448	5413	5262	5710
45	5404	5431	5670	5609	5701
50	5657	5720	5481	5617	5325
55	5474	5584	5503	5719	5684
60	5394	5347	5510	5622	5676
65	5273	5443	5391	5317	5590
70	5427	5597	5318	5334	5542
75	5388	5309	5417	5534	5430
80	5519	5644	5582	5515	5487
85	5638	5643	5714	5704	5539
90	5401	5316	5574	5435	5453
95	5505	5667	5477	5468	5256

Type 6 Radar Waveform_8

Frequency List (MHz)	0	1	2	3	4
0	5284	5647	5411	5275	5720
5	5364	5301	5380	5549	5471
10	5426	5528	5418	5417	5326
15	5636	5324	5383	5517	5408
20	5439	5457	5489	5430	5542
25	5315	5415	5558	5259	5384
30	5533	5695	5423	5577	5280
35	5570	5507	5655	5406	5537
40	5581	5386	5653	5514	5560
45	5626	5399	5358	5296	5440
50	5269	5667	5428	5299	5322
55	5690	5338	5559	5389	5342
60	5448	5719	5474	5606	5479
65	5601	5587	5393	5596	5583
70	5658	5518	5347	5278	5677
75	5657	5585	5532	5425	5271
80	5675	5484	5250	5703	5431
85	5669	5590	5649	5264	5441
90	5487	5290	5494	5523	5715
95	5312	5522	5712	5369	5336

Type 6 Radar Waveform_9

Frequency List (MHz)	0	1	2	3	4
0	5539	5411	5347	5436	5465
5	5406	5701	5455	5712	5300
10	5357	5317	5459	5515	5627
15	5451	5486	5562	5266	5319
20	5605	5495	5578	5403	5430
25	5264	5432	5519	5592	5301
30	5370	5490	5435	5672	5397
35	5419	5661	5400	5417	5473
40	5286	5324	5321	5256	5471
45	5364	5597	5618	5679	5453
50	5534	5659	5263	5591	5380
55	5382	5489	5467	5724	5334
60	5649	5274	5665	5297	5555
65	5433	5479	5671	5668	5666
70	5421	5507	5684	5625	5657
75	5723	5638	5362	5642	5681
80	5384	5553	5628	5365	5623
85	5537	5544	5422	5429	5447
90	5424	5647	5313	5511	5685
95	5404	5340	5567	5431	5708

Type 6 Radar Waveform_10

Frequency List (MHz)	0	1	2	3	4
0	5319	5650	5283	5597	5307
5	5448	5723	5530	5400	5507
10	5288	5678	5500	5710	5368
15	5715	5481	5589	5607	5458
20	5327	5674	5436	5570	5376
25	5318	5591	5635	5720	5529
30	5440	5259	5447	5349	5595
35	5558	5374	5671	5583	5331
40	5312	5369	5262	5561	5253
45	5344	5680	5579	5257	5551
50	5329	5398	5370	5464	5535
55	5471	5714	5679	5338	5632
60	5596	5414	5279	5672	5611
65	5498	5504	5454	5643	5274
70	5474	5362	5652	5521	5373
75	5594	5391	5619	5614	5277
80	5462	5502	5326	5381	5628
85	5682	5251	5718	5670	5532
90	5453	5422	5528	5633	5305
95	5383	5443	5290	5526	5445

Type 6 Radar Waveform_11

Frequency List (MHz)	0	1	2	3	4
0	5477	5414	5694	5283	5527
5	5490	5648	5605	5563	5714
10	5597	5467	5541	5430	5389
15	5328	5608	5692	5555	5650
20	5335	5365	5377	5659	5349
25	5584	5443	5363	5482	5623
30	5404	5390	5598	5415	5697
35	5465	5261	5720	5626	5452
40	5675	5326	5347	5707	5324
45	5288	5637	5310	5438	5583
50	5411	5449	5459	5287	5382
55	5668	5394	5632	5506	5250
60	5579	5321	5410	5498	5654
65	5453	5475	5641	5655	5434
70	5638	5524	5602	5466	5325
75	5437	5600	5391	5290	5718
80	5666	5378	5565	5531	5689
85	5435	5370	5549	5352	5284
90	5556	5395	5314	5545	5688
95	5289	5481	5265	5546	5585

Type 6 Radar Waveform_12

Frequency List (MHz)	0	1	2	3	4
0	5257	5653	5630	5444	5369
5	5629	5670	5680	5543	5528
10	5256	5582	5625	5410	5416
15	5260	5698	5600	5367	5721
20	5434	5415	5651	5322	5472
25	5392	5566	5453	5597	5524
30	5609	5361	5508	5275	5613
35	5264	5556	5263	5511	5634
40	5465	5632	5344	5636	5682
45	5371	5695	5363	5703	5459
50	5587	5500	5548	5585	5326
55	5372	5622	5487	5451	5477
60	5379	5269	5266	5717	5324
65	5522	5402	5429	5307	5436
70	5458	5506	5624	5527	5432
75	5325	5561	5435	5445	5580
80	5581	5643	5400	5499	5355
85	5549	5375	5285	5463	5274
90	5530	5335	5691	5550	5449
95	5562	5671	5659	5268	5370

Type 6 Radar Waveform_13

Frequency List (MHz)	0	1	2	3	4
0	5512	5417	5566	5605	5589
5	5671	5595	5280	5317	5275
10	5459	5520	5623	5345	5431
15	5407	5387	5326	5645	5559
20	5254	5600	5356	5265	5295
25	5263	5719	5294	5557	5631
30	5663	5498	5318	5723	5524
35	5433	5403	5647	5664	5401
40	5715	5551	5709	5341	5468
45	5662	5454	5656	5416	5590
50	5335	5288	5637	5408	5648
55	5560	5576	5677	5448	5411
60	5434	5686	5549	5722	5546
65	5351	5465	5517	5706	5261
70	5675	5707	5627	5281	5301
75	5307	5565	5626	5562	5420
80	5510	5519	5612	5372	5480
85	5305	5712	5678	5554	5367
90	5370	5614	5568	5463	5456
95	5652	5676	5323	5354	5374

Type 6 Radar Waveform_14

Frequency List (MHz)	0	1	2	3	4
0	5292	5656	5502	5291	5334
5	5713	5617	5355	5480	5482
10	5293	5309	5286	5443	5452
15	5495	5514	5429	5690	5276
20	5262	5297	5257	5268	5626
25	5668	5400	5283	5665	5705
30	5387	5275	5463	5676	5631
35	5542	5263	5427	5342	5559
40	5715	5323	5392	5474	5338
45	5397	5642	5537	5714	5372
50	5380	5686	5464	5602	5348
55	5609	5592	5273	5530	5467
60	5419	5540	5599	5381	5548
65	5589	5546	5300	5501	5349
70	5598	5539	5272	5693	5630
75	5605	5277	5479	5685	5294
80	5543	5575	5523	5536	5586
85	5675	5369	5337	5622	5439
90	5643	5508	5615	5568	5304
95	5574	5378	5580	5326	5343

Type 6 Radar Waveform_15

Frequency List (MHz)	0	1	2	3	4
0	5450	5420	5438	5355	5651
5	5280	5542	5430	5643	5689
10	5699	5573	5327	5638	5473
15	5583	5544	5532	5565	5648
20	5360	5335	5346	5716	5417
25	5520	5603	5387	5272	5373
30	5707	5678	5451	5584	5354
35	5698	5592	5554	5406	5330
40	5714	5326	5622	5620	5297
45	5425	5267	5465	5640	5653
50	5437	5432	5439	5461	5484
55	5582	5286	5293	5669	5289
60	5673	5688	5471	5535	5724
65	5440	5559	5393	5342	5441
70	5679	5255	5357	5631	5623
75	5708	5524	5352	5633	5317
80	5275	5269	5492	5715	5561
85	5260	5534	5511	5388	5469
90	5677	5434	5695	5298	5710
95	5433	5419	5645	5483	5332

Type 6 Radar Waveform_16

Frequency List (MHz)	0	1	2	3	4
0	5705	5659	5374	5516	5396
5	5419	5564	5505	5709	5518
10	5533	5459	5368	5358	5494
15	5671	5635	5683	5282	5656
20	5526	5276	5338	5689	5305
25	5372	5331	5491	5258	5411
30	5262	5664	5321	5602	5271
35	5723	5542	5591	5270	5484
40	5393	5586	5268	5382	5429
45	5633	5325	5478	5532	5341
50	5704	5255	5383	5649	5438
55	5297	5483	5264	5323	5454
60	5618	5617	5481	5570	5673
65	5476	5391	5285	5523	5513
70	5665	5681	5607	5397	5592
75	5353	5604	5573	5439	5423
80	5266	5687	5715	5403	5320
85	5251	5636	5537	5371	5480
90	5407	5349	5488	5543	5441
95	5722	5427	5292	5291	5430

Type 6 Radar Waveform_17

Frequency List (MHz)	0	1	2	3	4
0	5485	5423	5310	5677	5713
5	5461	5489	5580	5397	5250
10	5464	5723	5409	5553	5515
15	5662	5323	5641	5253	5474
20	5664	5595	5692	5427	5668
25	5321	5534	5292	5453	5626
30	5621	5536	5376	5469	5387
35	5633	5398	5707	5669	5681
40	5622	5426	5562	5582	5408
45	5316	5531	5419	5517	5280
50	5615	5705	5265	5392	5487
55	5302	5710	5452	5619	5563
60	5449	5598	5296	5512	5601
65	5555	5326	5682	5273	5358
70	5530	5583	5356	5561	5473
75	5381	5281	5354	5603	5486
80	5263	5407	5618	5342	5283
85	5346	5344	5564	5406	5702
90	5689	5405	5362	5366	5543
95	5441	5420	5542	5522	5504

Type 6 Radar Waveform_18

Frequency List (MHz)	0	1	2	3	4
0	5265	5662	5721	5363	5458
5	5503	5511	5655	5560	5457
10	5395	5512	5450	5273	5536
15	5275	5269	5298	5666	5575
20	5286	5255	5419	5635	5459
25	5648	5262	5699	5326	5495
30	5612	5481	5276	5528	5289
35	5526	5724	5658	5673	5312
40	5643	5277	5619	5387	5423
45	5394	5562	5491	5374	5584
50	5684	5568	5693	5331	5704
55	5279	5649	5453	5346	5677
60	5596	5681	5484	5309	5508
65	5281	5521	5470	5594	5571
70	5451	5433	5350	5604	5259
75	5361	5379	5559	5315	5593
80	5672	5564	5633	5391	5610
85	5670	5549	5260	5602	5659
90	5343	5538	5518	5657	5392
95	5695	5342	5622	5383	5598

Type 6 Radar Waveform_19

Frequency List (MHz)	0	1	2	3	4
0	5520	5523	5657	5524	5300
5	5545	5533	5255	5723	5286
10	5704	5301	5491	5371	5557
15	5363	5480	5372	5721	5383
20	5583	5355	5671	5508	5608
25	5347	5597	5368	5425	5360
30	5634	5501	5438	5302	5487
35	5568	5340	5551	5351	5323
40	5482	5457	5627	5420	5445
45	5574	5335	5637	5571	5394
50	5382	5415	5577	5496	5641
55	5295	5555	5613	5474	5550
60	5588	5416	5320	5643	5717
65	5407	5448	5720	5461	5606
70	5535	5274	5402	5616	5313
75	5404	5391	5359	5709	5257
80	5322	5521	5306	5652	5569
85	5430	5327	5701	5376	5504
90	5400	5653	5452	5334	5281
95	5463	5615	5453	5276	5715

Type 6 Radar Waveform_20

Frequency List (MHz)	0	1	2	3	4
0	5678	5287	5593	5685	5520
5	5684	5458	5330	5411	5493
10	5635	5565	5532	5566	5578
15	5451	5607	5475	5291	5575
20	5591	5521	5612	5500	5581
25	5613	5449	5571	5529	5394
30	5676	5487	5395	5609	5454
35	5307	5707	5431	5347	5504
40	5712	5321	5540	5495	5295
45	5417	5252	5425	5657	5393
50	5361	5698	5570	5433	5400
55	5440	5354	5254	5485	5526
60	5267	5639	5420	5648	5362
65	5618	5469	5426	5512	5328
70	5464	5455	5414	5708	5274
75	5261	5386	5514	5647	5523
80	5297	5632	5614	5424	5269
85	5350	5617	5622	5722	5329
90	5313	5289	5649	5436	5638
95	5661	5710	5665	5271	5558

Type 6 Radar Waveform_21

Frequency List (MHz)	0	1	2	3	4
0	5458	5526	5529	5371	5362
5	5251	5480	5405	5477	5700
10	5566	5451	5573	5286	5599
15	5442	5259	5578	5336	5292
20	5502	5590	5553	5589	5554
25	5501	5301	5299	5633	5428
30	5718	5376	5352	5349	5703
35	5505	5619	5618	5279	5626
40	5635	5623	5433	5535	5511
45	5559	5265	5646	5723	5574
50	5271	5484	5593	5698	5287
55	5542	5683	5675	5431	5497
60	5396	5329	5440	5571	5344
65	5418	5462	5685	5404	5488
70	5592	5314	5467	5304	5390
75	5667	5381	5507	5342	5624
80	5687	5360	5629	5334	5327
85	5282	5485	5354	5345	5412
90	5335	5347	5283	5531	5288
95	5517	5605	5617	5481	5330

Type 6 Radar Waveform_22

Frequency List (MHz)	0	1	2	3	4
0	5713	5290	5465	5532	5582
5	5293	5405	5480	5640	5529
10	5400	5715	5711	5481	5620
15	5530	5386	5584	5284	5581
20	5510	5281	5591	5527	5292
25	5250	5502	5262	5462	5285
30	5265	5309	5564	5380	5325
35	5413	5710	5414	5432	5637
40	5571	5706	5274	5300	5508
45	5488	5385	5348	5412	5699
50	5513	5353	5447	5535	5682
55	5424	5255	5540	5390	5468
60	5525	5494	5656	5397	5351
65	5642	5367	5498	5517	5674
70	5669	5286	5567	5628	5366
75	5626	5590	5501	5672	5594
80	5684	5279	5520	5327	5599
85	5259	5528	5602	5577	5341
90	5381	5392	5548	5343	5503
95	5499	5254	5679	5425	5614

Type 6 Radar Waveform_23

Frequency List (MHz)	0	1	2	3	4
0	5493	5529	5401	5596	5424
5	5335	5427	5458	5328	5261
10	5331	5504	5277	5676	5641
15	5618	5513	5687	5329	5298
20	5518	5350	5532	5670	5500
25	5655	5577	5705	5463	5496
30	5251	5266	5304	5629	5620
35	5552	5326	5307	5585	5551
40	5410	5411	5540	5505	5320
45	5365	5431	5470	5400	5704
50	5623	5586	5393	5722	5553
55	5346	5494	5580	5447	5342
60	5654	5659	5488	5297	5368
65	5316	5437	5252	5469	5472
70	5358	5286	5570	5477	5559
75	5621	5718	5371	5272	5465
80	5443	5583	5724	5538	5352
85	5354	5318	5579	5375	5363
90	5267	5347	5313	5404	5565
95	5398	5485	5478	5357	5402

Type 6 Radar Waveform_24

Frequency List (MHz)	0	1	2	3	4
0	5651	5293	5337	5282	5644
5	5474	5352	5533	5491	5468
10	5640	5318	5299	5662	5706
15	5543	5315	5374	5490	5429
20	5516	5473	5526	5433	5567
25	5530	5466	5615	5698	5422
30	5306	5343	5691	5417	5578
35	5360	5465	5724	5494	5625
40	5683	5502	5345	5514	5528
45	5330	5665	5580	5324	5637
50	5482	5545	5497	5534	5448
55	5295	5266	5313	5686	5349
60	5372	5320	5621	5718	5569
65	5265	5559	5361	5275	5527
70	5369	5670	5704	5544	5431
75	5386	5450	5623	5382	5721
80	5607	5646	5620	5444	5608
85	5380	5546	5661	5658	5432
90	5513	5582	5453	5566	5457
95	5460	5697	5518	5563	5251

Type 6 Radar Waveform_25

Frequency List (MHz)	0	1	2	3	4
0	5431	5532	5273	5443	5486
5	5516	5374	5608	5557	5297
10	5571	5359	5494	5683	5697
15	5670	5418	5419	5682	5437
20	5511	5276	5446	5334	5378
25	5539	5671	5564	5508	5504
30	5655	5637	5555	5638	5355
35	5513	5476	5563	5577	5448
40	5499	5653	5703	5597	5489
45	5383	5552	5456	5500	5688
50	5368	5344	5722	5402	5485
55	5560	5284	5340	5514	5317
60	5724	5447	5286	5392	5689
65	5412	5294	5631	5553	5599
70	5673	5503	5400	5289	5432
75	5528	5303	5395	5502	5296
80	5709	5520	5261	5319	5375
85	5641	5626	5584	5396	5381
90	5455	5622	5696	5550	5672
95	5339	5420	5613	5300	5721

Type 6 Radar Waveform_26

Frequency List (MHz)	0	1	2	3	4
0	5686	5296	5306	5604	5706
5	5558	5299	5683	5720	5504
10	5502	5443	5400	5689	5704
15	5310	5322	5521	5367	5399
20	5445	5276	5452	5268	5419
25	5697	5705	5267	5300	5598
30	5647	5490	5612	5377	5707
35	5361	5397	5696	5666	5390
40	5402	5660	5501	5688	5593
45	5485	5680	5547	5339	5342
50	5710	5676	5264	5569	5288
55	5435	5356	5578	5379	5255
60	5469	5679	5359	5556	5370
65	5638	5448	5601	5523	5293
70	5341	5298	5648	5462	5369
75	5409	5575	5509	5555	5505
80	5283	5363	5394	5517	5456
85	5511	5636	5338	5358	5494
90	5538	5644	5287	5323	5337
95	5634	5713	5563	5534	5667

Type 6 Radar Waveform_27

Frequency List (MHz)	0	1	2	3	4
0	5466	5535	5717	5290	5548
5	5697	5321	5283	5408	5711
10	5336	5707	5441	5409	5250
15	5398	5449	5527	5412	5591
20	5356	5442	5393	5357	5489
25	5488	5654	5470	5501	5632
30	5689	5379	5569	5592	5481
35	5656	5536	5312	5538	5344
40	5304	5338	5365	5439	5590
45	5414	5663	5288	5605	5392
50	5704	5586	5377	5315	5371
55	5610	5623	5310	5293	5576
60	5604	5598	5369	5388	5671
65	5653	5416	5587	5484	5318
70	5537	5327	5301	5251	5624
75	5421	5716	5529	5621	5490
80	5332	5518	5539	5457	5514
85	5651	5478	5550	5459	5492
90	5417	5399	5452	5468	5260
95	5694	5268	5255	5618	5615

Type 6 Radar Waveform_28

Frequency List (MHz)	0	1	2	3	4
0	5624	5299	5653	5451	5293
5	5264	5721	5358	5571	5540
10	5267	5496	5482	5604	5271
15	5486	5576	5630	5457	5308
20	5364	5511	5431	5349	5462
25	5376	5506	5673	5605	5666
30	5256	5268	5526	5710	5633
35	5379	5675	5403	5334	5594
40	5315	5652	5448	5377	5596
45	5587	5643	5371	5566	5445
50	5494	5553	5366	5460	5690
55	5554	5336	5483	5395	5575
60	5252	5534	5724	5695	5497
65	5696	5617	5536	5423	5588
70	5340	5410	5401	5478	5600
75	5380	5685	5552	5289	5471
80	5584	5628	5320	5691	5520
85	5414	5417	5361	5645	5327
90	5543	5568	5694	5474	5294
95	5479	5280	5272	5599	5463

Type 6 Radar Waveform_29

Frequency List (MHz)	0	1	2	3	4
0	5404	5538	5589	5612	5610
5	5306	5268	5433	5637	5272
10	5673	5285	5523	5702	5292
15	5477	5606	5258	5502	5500
20	5372	5677	5438	5435	5642
25	5455	5401	5709	5603	5395
30	5254	5483	5450	5407	5674
35	5717	5494	5605	5704	5491
40	5531	5315	5361	5584	5650
45	5623	5454	5624	5498	5381
50	5338	5417	5549	5513	5524
55	5693	5689	5546	5284	5699
60	5669	5527	5420	5440	5582
65	5459	5378	5480	5618	5396
70	5327	5576	5339	5557	5672
75	5335	5452	5263	5380	5583
80	5508	5663	5317	5259	5421
85	5362	5497	5341	5307	5577
90	5706	5389	5386	5253	5536
95	5359	5604	5366	5267	5461

Appendix B – Test Setup Photograph

Refer to “2208RSU009-UT” file.

Appendix C – EUT Photograph

Refer to “2208RSU009-UE” file.

The End