

DFS MEASUREMENT REPORT

FCC ID: Q9DAPIN0655
Applicant: Hewlett Packard Enterprise Company
Product: ACCESS POINT
Model No.: APIN0655
Trademark:  
FCC Classification: Unlicensed National Information Infrastructure (NII)
Type of Device: Master Device
FCC Rule Part(s): Part 15 Subpart E (Section 15.407)
Test Result: Complies
Test Date: 2023-01-04 ~ 2023-01-18

Reviewed By:

Jame Yuan

Approved By:

Robin Wu



The test results relate only to the samples tested.

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

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

Revision History

Report No.	Version	Description	Issue Date	Note
2212RSU047-U1	Rev. 01	Initial Report	2023-01-29	Valid

Note 1: This report was based on original report no. 2105TW0602-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.

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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

<input checked="" type="checkbox"/>	<p>Test Site – MRT Suzhou Laboratory</p> <hr/> <p>Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China</p> <p>Laboratory Location (Suzhou - SIP) 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China</p> <hr/> <p>Laboratory Accreditations</p> <p>A2LA: 3628.01 CNAS: L10551 FCC: CN1166 ISED: CN0001</p> <p>VCCI: <input type="checkbox"/>R-20025 <input type="checkbox"/>G-20034 <input type="checkbox"/>C-20020 <input type="checkbox"/>T-20020 <input type="checkbox"/>R-20141 <input type="checkbox"/>G-20134 <input type="checkbox"/>C-20103 <input type="checkbox"/>T-20104</p>
<input type="checkbox"/>	<p>Test Site – MRT Shenzhen Laboratory</p> <hr/> <p>Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China</p> <hr/> <p>Laboratory Accreditations</p> <p>A2LA: 3628.02 CNAS: L10551 FCC: CN1284 ISED: CN0105</p>
<input type="checkbox"/>	<p>Test Site – MRT Taiwan Laboratory</p> <hr/> <p>Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)</p> <hr/> <p>Laboratory Accreditations</p> <p>TAF: L3261-190725 FCC: 291082, TW3261 ISED: TW3261</p>

1.4. Product Information

Product Name	ACCESS POINT
Model No.	APIN0655
Serial No.	CNMLKZ2002
Software Version	AOS 8.12.0.0 build 85939
Wi-Fi Specification	802.11a/b/g/n/ac/ax
Bluetooth Version	v5.0 single mode, BLE only
Zigbee Specification	802.15.4
GNSS Specification	GPS, GLONASS, Galileo
Antenna Information	Refer to Section 1.7
Operating Temperature	0 ~ 50 °C
Power Type	AC Adapter or PoE input
Operating Environment	Indoor Use
Remark: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

1.5. Radio Specification under Test

Frequency Range	For 802.11a/n-HT20/ac-VHT20/ax-HE20: 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-VHT80+80/ax-HE80+80: 5210 + 5290MHz, 5530 + 5610MHz
Data Rate	802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 600Mbps 802.11ac: up to 1733.3Mbps 802.11ax: up to 4804Mbps
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-VHT80+80/ax-HE80+80

Channel	Frequency	Channel	Frequency	Channel	Frequency
42 + 58	5210+5290MHz	106 + 122	5530+5610 MHz	--	--

1.7. Antenna Details

Antenna Type	Frequency Band (GHz)	Max Peak Gain (dBi)	CDD Directional Gain (dBi)		BF Directional Gain (dBi)
			For Power	For PSD	
Wi-Fi Internal Antenna (4*4 MIMO)					
PIFA	2.4 ~ 2.5	3.26	3.26	6.23	6.23
	5.15 ~ 5.9	2.88	2.88	5.60	5.60
	5.9 ~ 7.2	3.97	3.97	6.97	6.97
Bluetooth / ZigBee Internal Antenna					
PIFA	2.4 ~ 2.5	3.60			

Note:

1. The EUT supports Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.
2. The EUT also supports Beam Forming mode, and the Beam Forming support 802.11n/ac/ax, not include 802.11a/b/g.
3. All Wi-Fi antennas have cross polarized design, the detail information and calculation method refer to 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-VHT80+80 and 802.11ax-HE80+80 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.
<p>Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.</p> <p>Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.</p> <p>Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.</p>	

Table 3-3: DFS Response Requirements

3.3. DFS Detection Threshold Values

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

These detection thresholds are listed in the following table.

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

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

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

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

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

3.4. Parameters of DFS Test Signals

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

Short Pulse Radar Test Waveforms

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

Table 3-5: Parameters for Short Pulse Radar Waveforms

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

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

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

Long Pulse Radar Test Waveform

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

Table 3-7: Parameters for Long Pulse Radar Waveforms

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

Frequency Hopping Radar Test Waveform

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

Table 3-8: Parameters for Frequency Hopping Radar Waveforms

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

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

3.5. Radiated 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 radiated test setup was used for this testing. Figure 3-1 shows the typical test setup.

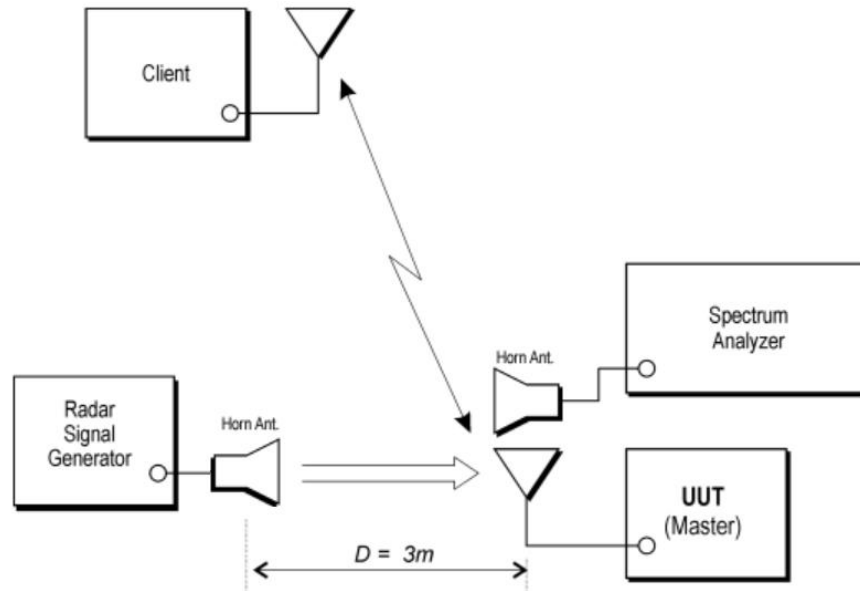


Figure 3-1: Radiated Test Setup where UUT is a master mode and Radar Test Waveforms are injected into the UUT

4. Measuring Instrument

Instrument Name	Manufacturer	Model No.	Asset No.	Cali. Interval	Cal. Due Date	Test Site
Thermohygrometer	testo	608-H1	MRTSUE06222	1 year	2023-10-11	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	ETS	3117	MRTSUE06257	1 year	2023-09-18	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 radiated test setup was used for this calibration testing. Figure 3-2 shows the typical test setup.

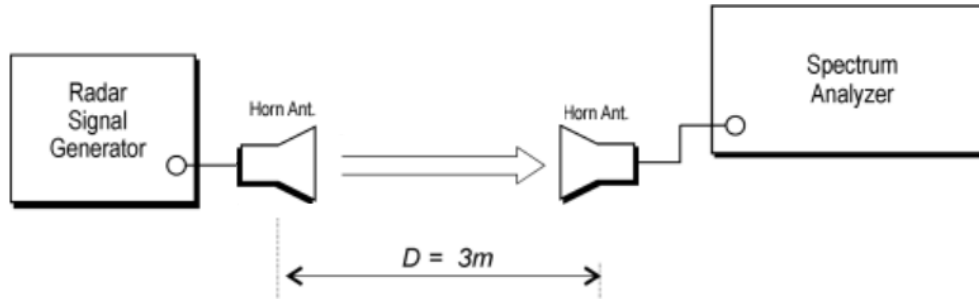


Figure 3-2: Radiated Test Setup

5.2.2. Calibration Procedure

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

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

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

5.4.2. 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

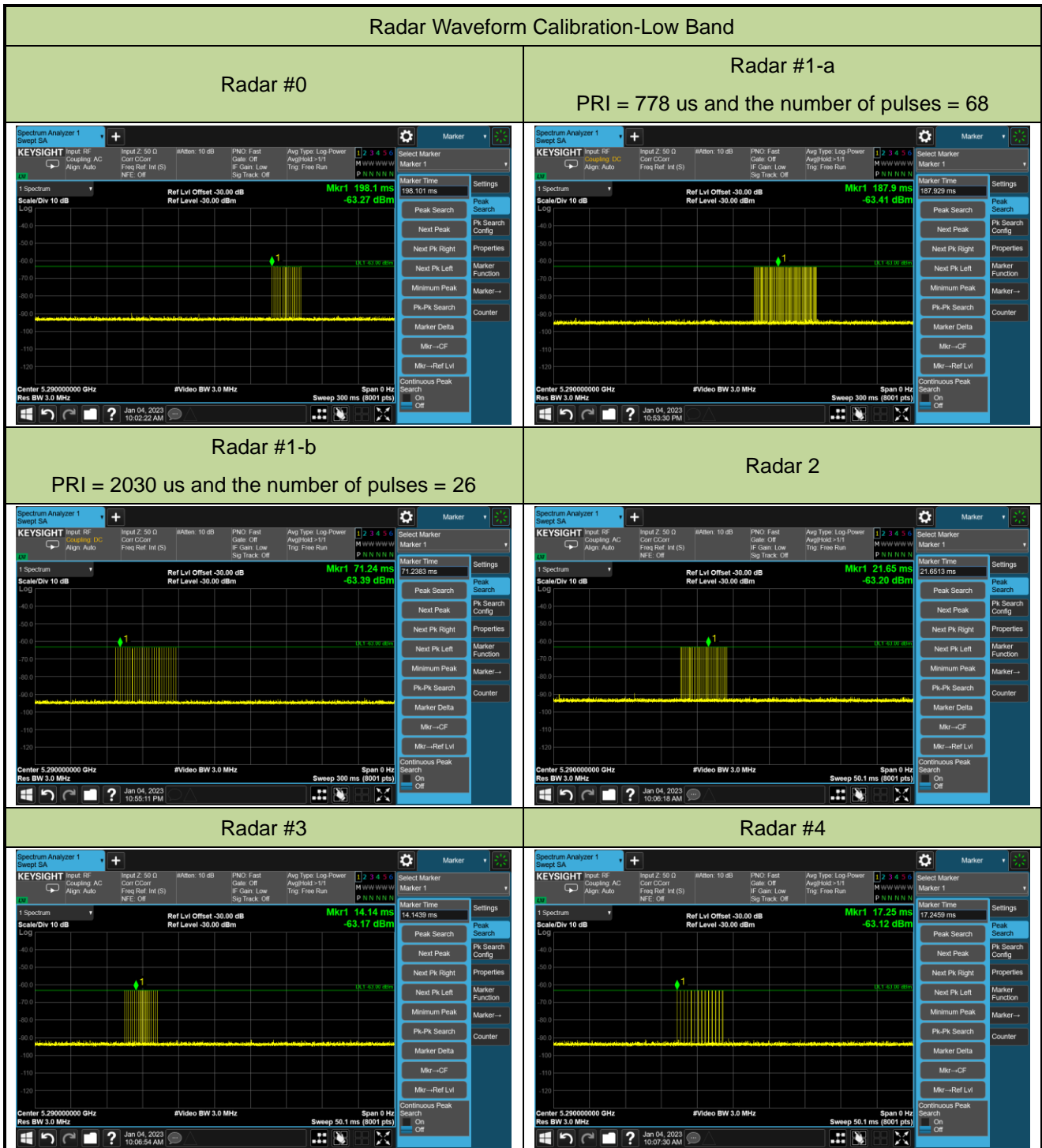
5.4.3. Test Result

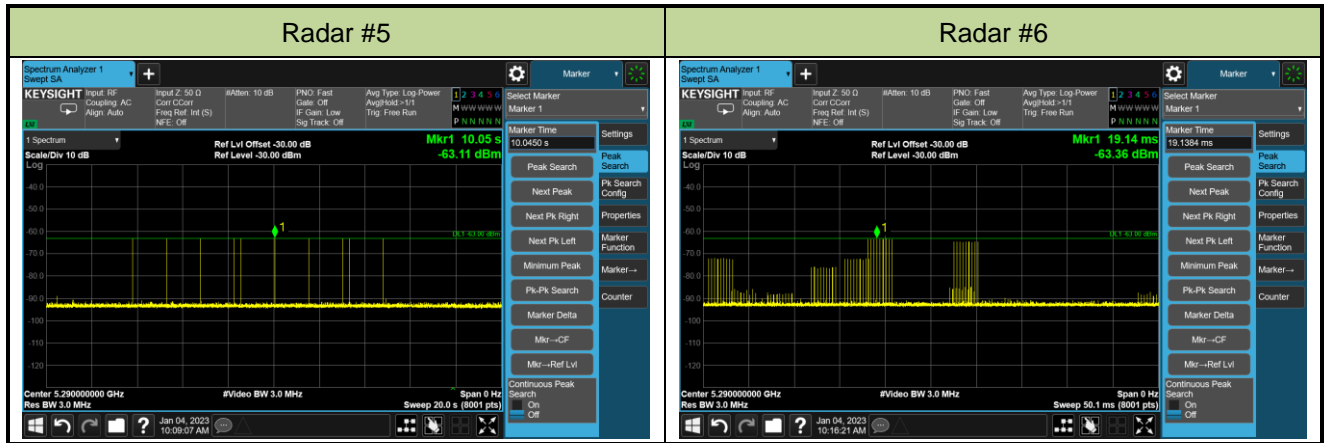
Refer to Appendix A.3.

Appendix A – Test Result

A.1 Calibration Test Result

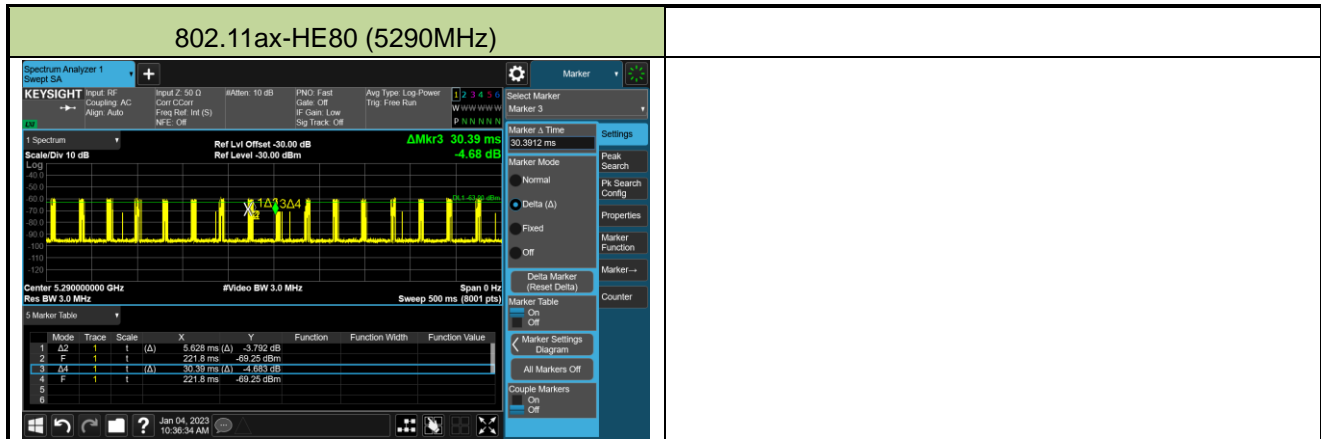
Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2023-01-04	Test Item	Radar Waveform Calibration
Test Channel	Operating Channel 802.11ax-HE80 5290MHz		





A.2 Channel Loading Test Result

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2023-01-04	Test Item	Channel Loading
Test Channel	Operating Channel 802.11ax-HE80 5290MHz		



Test Mode	Test Frequency	Packet ratio	Requirement ratio	Test Result
802.11ax-HE80	5290 MHz	18.52%	≥ 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	2023-01-04		
Test Item	Channel Availability Check Time		
Test Channel	Target Channel 802.11ax-HE80 5530MHz		

Channel Availability Check Time
<pre>[224.746718] dfs_start_agile_engine: [Agile_DFS] Off-Channel CAC Started. center_freq:5530 chwidth:80 timeout:60000 dfs_idx:0 [284.742438] dfs_mark_precac_done_for_freq: [Agile_DFS] Mark Pre-CAC done. node_freq:5570 center_ch_freq:5530 chan_freq[0]:5500 [284.742489] dfs_mark_precac_done_for_freq: [Agile_DFS] Mark Pre-CAC done. node_freq:5570 center_ch_freq:5530 chan_freq[1]:5520 [284.865398] dfs_mark_precac_done_for_freq: [Agile_DFS] Mark Pre-CAC done. node_freq:5570 center_ch_freq:5530 chan_freq[2]:5540 [285.001856] dfs_mark_precac_done_for_freq: [Agile_DFS] Mark Pre-CAC done. node_freq:5570 center_ch_freq:5530 chan_freq[3]:5560 285.001856 – 224.746718 ≈ 60.26s</pre>
Beginning of the Channel Availability Check Time
<p>ZWDFS - Radar at the beginning of CAC</p> <pre>[224.746718] dfs_start_agile_engine: [Agile_DFS] Off-Channel CAC Started. center_freq:5530 chwidth:80 timeout:60000 dfs_idx:0</pre> <p>Radar applied and detected radar applied at ~6s after start of CAC</p> <pre>[227.352759] Radar found on Zero_Wait_DFS channel=106, freq=5530 MHz, filter_id=0 [227.352796] channel center_freq=5530 MHz, freq_offset=0 MHz 227.352759 – 224.746718 ≈ 3s</pre>
End of the Channel Availability Check Time
<p>ZWDFS - Radar at the end of CAC</p> <pre>[335.369920] dfs_start_agile_engine: [Agile_DFS] Off-Channel CAC Started. center_freq:5530 chwidth:80 timeout:60000 dfs_idx:0</pre> <p>Radar applied and detected radar applied at ~54s after start of CAC</p> <pre>[393.448599] Radar found on Zero_Wait_DFS channel=106, freq=5530 MHz, filter_id=0 [393.448630] channel center_freq=5530 MHz, freq_offset=0 MHz 393.448599 – 335.369920 ≈ 58s</pre>
<p>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.</p>

A.4 Statistical Performance Check

Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2023-01-10 ~ 2023-01-18		
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	5258	1	5327	1	5284	1	5312	1
1	5272	1	5316	0	5274	1	5288	1
2	5279	1	5297	1	5266	1	5283	1
3	5265	1	5319	1	5275	1	5320	0
4	5261	1	5259	1	5284	1	5270	0
5	5250	0	5322	1	5307	1	5260	1
6	5316	1	5309	1	5277	1	5304	1
7	5273	1	5260	1	5279	1	5250	0
8	5302	1	5285	1	5286	1	5286	0
9	5323	1	5325	1	5319	1	5276	1
10	5290	1	5250	1	5330	0	5281	1
11	5283	1	5302	1	5300	1	5257	1
12	5302	1	5320	0	5263	1	5253	1
13	5269	1	5271	1	5317	1	5308	1
14	5298	1	5292	1	5276	1	5290	0
15	5326	1	5266	1	5286	1	5320	1
16	5312	1	5263	1	5258	1	5305	1
17	5283	1	5316	1	5310	0	5326	1
18	5266	1	5289	1	5250	0	5265	0
19	5299	1	5330	1	5301	1	5330	1
20	5305	1	5257	1	5266	0	5311	0
21	5256	1	5318	1	5323	0	5269	1
22	5309	1	5263	1	5299	1	5319	1
23	5254	1	5299	1	5290	0	5257	1
24	5267	1	5265	1	5255	1	5321	0
25	5262	1	5261	1	5268	0	5296	0
26	5330	1	5323	1	5295	1	5303	1
27	5328	1	5296	1	5298	0	5325	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	5321	1	5290	1	5323	0	5266	0
29	5318	1	5305	1	5280	1	5289	0
Probability:	96.7%		93.3%		70%		63.3%	
Aggregate:	80.8% (>80%)							

Radar Type 1 - Radar Waveform							Radar Type 2 - Radar Waveform						
	Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)		Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
Download	0	Type 1	1.0	838.0	63	52794.0	Download	0	Type 2	1.9	177.0	24	4248.0
Download	1	Type 1	1.0	738.0	72	53136.0	Download	1	Type 2	1.9	188.0	24	4032.0
Download	2	Type 1	1.0	3066.0	18	55188.0	Download	2	Type 2	2.6	185.0	25	4625.0
Download	3	Type 1	1.0	898.0	59	52982.0	Download	3	Type 2	1.7	195.0	24	4660.0
Download	4	Type 1	1.0	538.0	99	53262.0	Download	4	Type 2	3.0	226.0	26	5876.0
Download	5	Type 1	1.0	718.0	74	53132.0	Download	5	Type 2	1.9	220.0	24	5280.0
Download	6	Type 1	1.0	678.0	78	52884.0	Download	6	Type 2	2.1	222.0	24	5328.0
Download	7	Type 1	1.0	758.0	70	53060.0	Download	7	Type 2	2.0	174.0	24	4176.0
Download	8	Type 1	1.0	778.0	68	52904.0	Download	8	Type 2	2.1	185.0	24	3960.0
Download	9	Type 1	1.0	638.0	83	52954.0	Download	9	Type 2	2.5	150.0	25	3750.0
Download	10	Type 1	1.0	558.0	95	53010.0	Download	10	Type 2	2.7	162.0	25	4050.0
Download	11	Type 1	1.0	578.0	92	53176.0	Download	11	Type 2	2.3	191.0	25	4775.0
Download	12	Type 1	1.0	698.0	76	53048.0	Download	12	Type 2	2.3	228.0	25	5700.0
Download	13	Type 1	1.0	658.0	81	53298.0	Download	13	Type 2	3.7	170.0	27	4590.0
Download	14	Type 1	1.0	618.0	86	53148.0	Download	14	Type 2	2.0	205.0	24	4920.0
Download	15	Type 1	1.0	2964.0	18	53352.0	Download	15	Type 2	1.6	156.0	24	3744.0
Download	16	Type 1	1.0	1876.0	29	54404.0	Download	16	Type 2	2.2	163.0	25	4075.0
Download	17	Type 1	1.0	1987.0	27	53649.0	Download	17	Type 2	3.6	211.0	27	5697.0
Download	18	Type 1	1.0	767.0	69	52923.0	Download	18	Type 2	2.6	186.0	25	4650.0
Download	19	Type 1	1.0	931.0	57	53067.0	Download	19	Type 2	2.6	158.0	25	3950.0
Download	20	Type 1	1.0	2727.0	20	54540.0	Download	20	Type 2	1.4	208.0	23	4784.0
Download	21	Type 1	1.0	630.0	84	52920.0	Download	21	Type 2	1.5	153.0	23	3519.0
Download	22	Type 1	1.0	639.0	83	53037.0	Download	22	Type 2	1.5	152.0	23	3496.0
Download	23	Type 1	1.0	1450.0	37	53650.0	Download	23	Type 2	2.1	187.0	24	4488.0
Download	24	Type 1	1.0	1044.0	51	53244.0	Download	24	Type 2	2.5	160.0	25	4000.0
Download	25	Type 1	1.0	944.0	56	52864.0	Download	25	Type 2	1.0	183.0	23	4209.0
Download	26	Type 1	1.0	2007.0	27	54189.0	Download	26	Type 2	1.6	161.0	24	3864.0
Download	27	Type 1	1.0	682.0	78	53196.0	Download	27	Type 2	5.0	179.0	29	5191.0
Download	28	Type 1	1.0	613.0	87	53331.0	Download	28	Type 2	1.0	206.0	23	4738.0
Download	29	Type 1	1.0	1345.0	40	53800.0	Download	29	Type 2	2.8	154.0	26	4004.0



Radar Type 3 - Radar Waveform							Radar Type 4 - Radar Waveform						
	Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)		Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
Download	0	Type 3	6.9	214.0	16	3424.0	Download	0	Type 4	13.0	214.0	13	2782.0
Download	1	Type 3	6.9	486.0	16	7776.0	Download	1	Type 4	13.1	486.0	13	6318.0
Download	2	Type 3	7.6	389.0	17	6613.0	Download	2	Type 4	14.6	389.0	13	5057.0
Download	3	Type 3	6.7	211.0	16	3376.0	Download	3	Type 4	12.6	211.0	12	2532.0
Download	4	Type 3	8.0	463.0	17	7871.0	Download	4	Type 4	15.5	463.0	14	6482.0
Download	5	Type 3	6.9	355.0	16	5680.0	Download	5	Type 4	13.0	355.0	13	4615.0
Download	6	Type 3	7.1	456.0	16	7296.0	Download	6	Type 4	13.4	456.0	13	5828.0
Download	7	Type 3	7.0	366.0	16	5856.0	Download	7	Type 4	13.4	366.0	13	4758.0
Download	8	Type 3	7.1	427.0	16	6832.0	Download	8	Type 4	13.4	427.0	13	5551.0
Download	9	Type 3	7.5	411.0	17	6987.0	Download	9	Type 4	14.3	411.0	13	5343.0
Download	10	Type 3	7.7	313.0	17	5321.0	Download	10	Type 4	14.8	313.0	14	4382.0
Download	11	Type 3	7.3	277.0	17	4709.0	Download	11	Type 4	14.0	277.0	13	3601.0
Download	12	Type 3	7.3	314.0	17	5338.0	Download	12	Type 4	14.0	314.0	13	4082.0
Download	13	Type 3	8.7	232.0	17	3944.0	Download	13	Type 4	17.0	232.0	15	3480.0
Download	14	Type 3	7.0	329.0	16	5264.0	Download	14	Type 4	13.2	329.0	13	4277.0
Download	15	Type 3	6.6	247.0	16	3952.0	Download	15	Type 4	12.4	247.0	12	2964.0
Download	16	Type 3	7.2	261.0	16	4176.0	Download	16	Type 4	13.8	261.0	13	3393.0
Download	17	Type 3	8.6	352.0	17	5984.0	Download	17	Type 4	16.8	352.0	15	5280.0
Download	18	Type 3	7.6	239.0	17	4063.0	Download	18	Type 4	14.5	239.0	13	3107.0
Download	19	Type 3	7.6	495.0	17	8415.0	Download	19	Type 4	14.6	495.0	14	6930.0
Download	20	Type 3	6.4	363.0	16	5808.0	Download	20	Type 4	12.1	363.0	12	4356.0
Download	21	Type 3	6.5	317.0	16	5072.0	Download	21	Type 4	12.2	317.0	12	3804.0
Download	22	Type 3	6.5	390.0	16	6240.0	Download	22	Type 4	12.1	390.0	12	4680.0
Download	23	Type 3	7.1	475.0	16	7600.0	Download	23	Type 4	13.4	475.0	13	6175.0
Download	24	Type 3	7.5	265.0	17	4505.0	Download	24	Type 4	14.4	265.0	13	3445.0
Download	25	Type 3	6.0	284.0	16	4544.0	Download	25	Type 4	11.0	284.0	12	3408.0
Download	26	Type 3	6.6	459.0	16	7344.0	Download	26	Type 4	12.4	459.0	12	5508.0
Download	27	Type 3	10.0	500.0	18	9000.0	Download	27	Type 4	20.0	500.0	16	8000.0
Download	28	Type 3	6.0	216.0	16	3456.0	Download	28	Type 4	11.2	216.0	12	2592.0
Download	29	Type 3	7.8	255.0	17	4335.0	Download	29	Type 4	15.1	255.0	14	3570.0

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	15	5252.8	1
1	5290	0	16	5254	1
2	5290	1	17	5256	1
3	5290	1	18	5254.4	1
4	5290	1	19	5254.4	1
5	5290	1	20	5327.6	1
6	5290	1	21	5327.2	1
7	5290	1	22	5327.2	1
8	5290	1	23	5326.4	0
9	5290	1	24	5325.6	1
10	5254.4	1	25	5328	1
11	5254	1	26	5327.2	1
12	5254	1	27	5322	1
13	5256	1	28	5328	1
14	5253.2	1	29	5325.2	1
Detection Percentage (%)			90%		

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)
554031.0	61.0	8	1	1714.0	-	-
844857.0	62.0	8	1	1426.0	-	-
1133866.0	70.0	8	2	1929.0	1273.0	-
227734.0	59.3	8	1	1067.0	-	-
517707.0	75.0	8	2	1061.0	1870.0	-
809194.0	61.2	8	1	1213.0	-	-
1099593.0	63.4	8	1	1588.0	-	-
191807.0	63.3	8	1	1753.0	-	-
482550.0	63.5	8	1	1429.0	-	-
772547.0	68.5	8	2	1275.0	1231.0	-
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)
966259.0	71.0	8	2	1008.0	1364.0	-
141648.0	66.7	8	2	1699.0	1271.0	-
405454.0	67.0	8	2	1895.0	1220.0	-
669583.0	83.3	8	2	1291.0	1329.0	-
934746.0	62.4	8	1	1199.0	-	-
109293.0	58.1	8	1	1513.0	-	-
373342.0	65.8	8	1	1992.0	-	-
636874.0	81.9	8	2	1451.0	1506.0	-
900616.0	69.6	8	2	1577.0	1525.0	-
76602.0	70.1	8	2	1938.0	1646.0	-
340846.0	56.0	8	1	1881.0	-	-

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)
511966.0	56.6	11	1	1467.0	-	-
735153.0	56.5	11	1	1884.0	-	-
37390.0	63.7	11	1	1596.0	-	-
260395.0	69.2	11	2	1879.0	1421.0	-
484339.0	50.2	11	1	1647.0	-	-
707743.0	58.0	11	1	1741.0	-	-
9824.0	99.8	11	3	1200.0	1918.0	1970.0
233333.0	51.1	11	1	1660.0	-	-
456046.0	72.7	11	2	1256.0	1936.0	-
679257.0	77.1	11	2	1320.0	1723.0	-
901228.0	90.7	11	3	1512.0	1287.0	1433.0
205103.0	84.2	11	3	1442.0	1803.0	1563.0
427797.0	84.4	11	3	1411.0	1515.0	1915.0
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)
846656.0	88.3	7	3	1939.0	1075.0	1856.0
1139662.0	64.6	7	1	1557.0	-	-
231555.0	83.2	7	2	1546.0	1690.0	-
521672.0	80.4	7	2	1905.0	1642.0	-
811744.0	98.5	7	3	1036.0	1649.0	1017.0
1104024.0	58.7	7	1	1379.0	-	-
195809.0	84.1	7	3	1021.0	1073.0	1103.0
486760.0	50.2	7	1	1501.0	-	-
777446.0	56.2	7	1	1481.0	-	-
1068247.0	64.8	7	1	1344.0	-	-

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)
114293.0	82.5	12	2	1413.0	1106.0	-
321766.0	50.0	12	1	1989.0	-	-
529460.0	58.1	12	1	1517.0	-	-
736378.0	73.4	12	2	1146.0	1065.0	-
88487.0	91.1	12	3	1491.0	1758.0	1924.0
296269.0	65.1	12	1	1845.0	-	-
502588.0	90.6	12	3	1318.0	1056.0	1369.0
711277.0	60.1	12	1	1683.0	-	-
63274.0	53.9	12	1	1942.0	-	-
270228.0	72.8	12	2	1599.0	1793.0	-
477598.0	75.7	12	2	1184.0	1656.0	-
685835.0	54.3	12	1	1540.0	-	-
37742.0	55.4	12	1	1556.0	-	-
245237.0	56.2	12	1	1597.0	-	-

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)
632752.0	90.2	8	3	1744.0	1330.0	1194.0
923696.0	74.7	8	2	1575.0	1472.0	-
17057.0	53.1	8	1	2000.0	-	-
307794.0	63.6	8	1	1284.0	-	-
598632.0	62.2	8	1	1060.0	-	-
886693.0	90.8	8	3	1203.0	1560.0	1963.0
1176933.0	91.5	8	3	1774.0	1452.0	1147.0
271556.0	80.4	8	2	1720.0	1446.0	-
562213.0	82.6	8	2	1331.0	1010.0	-
852409.0	82.6	8	2	1340.0	1386.0	-

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)
1036713.0	95.0	9	3	1759.0	1710.0	1297.0
214107.0	97.9	9	3	1185.0	1166.0	1837.0
477864.0	74.9	9	2	1769.0	1979.0	-
740948.0	85.5	9	3	1592.0	1441.0	1576.0
1004337.0	83.5	9	3	1277.0	1428.0	1983.0
182087.0	60.9	9	1	1523.0	-	-
445490.0	86.0	9	3	1099.0	1311.0	1085.0
710278.0	55.8	9	1	1876.0	-	-
974526.0	50.4	9	1	1739.0	-	-
149232.0	91.8	9	3	1039.0	1083.0	1665.0
413494.0	81.2	9	2	1175.0	1029.0	-

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)
677059.0	69.1	9	2	1171.0	1806.0	-
939959.0	92.1	9	3	1027.0	1462.0	1595.0
116697.0	84.7	9	3	1587.0	1404.0	1334.0
381102.0	58.7	9	1	1826.0	-	-
643627.0	86.0	9	3	1486.0	1278.0	1784.0
908241.0	82.1	9	2	1815.0	1371.0	-
84326.0	66.9	9	2	1478.0	1689.0	-
347847.0	86.7	9	3	1583.0	1333.0	1158.0
612620.0	61.3	9	1	1974.0	-	-
876761.0	58.7	9	1	1925.0	-	-
51772.0	84.0	9	3	1485.0	1178.0	1719.0

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)
316015.0	59.1	9	1	1880.0	-	-
579520.0	77.0	9	2	1887.0	1156.0	-
841450.0	90.3	9	3	1997.0	1742.0	1770.0
19336.0	73.7	9	2	1999.0	1107.0	-
283666.0	55.6	9	1	1172.0	-	-
546766.0	70.4	9	2	1945.0	1604.0	-
810105.0	88.1	9	3	1497.0	1245.0	1317.0
1076231.0	65.4	9	1	1498.0	-	-
250663.0	73.4	9	2	1716.0	1398.0	-
515344.0	52.1	9	1	1303.0	-	-
778544.0	67.4	9	2	1458.0	1332.0	-

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)
955070.0	75.6	10	2	1270.0	1816.0	-
200090.0	78.4	10	2	1104.0	1230.0	-
440891.0	93.3	10	3	1662.0	1940.0	1359.0
682519.0	90.2	10	3	1861.0	1393.0	1269.0
926377.0	55.1	10	1	1912.0	-	-
170073.0	76.7	10	2	1629.0	1949.0	-
411214.0	93.1	10	3	1374.0	1479.0	1988.0
652600.0	86.9	10	3	1370.0	1495.0	1933.0
895913.0	69.9	10	2	1168.0	1464.0	-
140623.0	53.9	10	1	1321.0	-	-
382824.0	63.7	10	1	1346.0	-	-
624194.0	75.0	10	2	1262.0	1419.0	-

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)
798683.0	71.0	11	2	1808.0	1555.0	-
102067.0	82.7	11	2	1545.0	1470.0	-
325235.0	68.4	11	2	1638.0	1307.0	-
549289.0	54.9	11	1	1447.0	-	-
771725.0	76.2	11	2	1487.0	1258.0	-
74672.0	58.7	11	1	1891.0	-	-
297922.0	74.5	11	2	1105.0	1301.0	-
519797.0	93.7	11	3	1841.0	1457.0	1609.0
743416.0	71.3	11	2	1898.0	1855.0	-
47115.0	73.9	11	2	1537.0	1082.0	-
270812.0	61.0	11	1	1062.0	-	-
492528.0	88.7	11	3	1538.0	1198.0	1872.0
715346.0	98.0	11	3	1594.0	1097.0	1840.0

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)
21238.0	95.3	10	3	1024.0	1357.0	1084.0
263388.0	59.7	10	1	1726.0	-	-
505857.0	55.3	10	1	1022.0	-	-
748133.0	65.5	10	1	1032.0	-	-
988482.0	67.8	10	2	1754.0	1227.0	-
232843.0	85.0	10	3	1125.0	1859.0	1828.0
474742.0	68.4	10	2	1869.0	1821.0	-
716700.0	79.1	10	2	1377.0	1866.0	-
960006.0	51.7	10	1	1619.0	-	-
203874.0	66.5	10	1	1079.0	-	-
445753.0	56.2	10	1	1955.0	-	-
688321.0	65.5	10	1	1214.0	-	-

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)
927641.0	95.8	10	3	1149.0	1465.0	1731.0
173650.0	76.9	10	2	1771.0	1502.0	-
414799.0	90.3	10	3	1617.0	1666.0	1401.0
656484.0	93.6	10	3	1449.0	1267.0	1530.0
899115.0	74.5	10	2	1484.0	1509.0	-
143761.0	88.8	10	3	1733.0	1298.0	1020.0
385772.0	80.1	10	2	1074.0	1785.0	-
626687.0	95.5	10	3	1397.0	1210.0	1717.0
870545.0	51.9	10	1	1600.0	-	-
114162.0	69.3	10	2	1448.0	1259.0	-
355624.0	91.1	10	3	1108.0	1616.0	1138.0
596772.0	87.2	10	3	1812.0	1173.0	1623.0

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)
630461.0	65.5	15	1	1293.0	-	-
63295.0	61.8	15	1	1804.0	-	-
244892.0	56.7	15	1	1390.0	-	-
424503.0	98.9	15	3	1410.0	1814.0	1590.0
608223.0	58.4	15	1	1133.0	-	-
40782.0	96.2	15	3	1694.0	1745.0	1312.0
222515.0	51.7	15	1	1431.0	-	-
403367.0	67.4	15	2	1040.0	1687.0	-
585277.0	54.5	15	1	1867.0	-	-
18532.0	92.3	15	3	1536.0	1052.0	1611.0
200051.0	59.9	15	1	1811.0	-	-
381028.0	67.0	15	2	1670.0	1086.0	-
561375.0	87.8	15	3	1382.0	1139.0	1409.0
743231.0	71.3	15	2	1471.0	1544.0	-
177738.0	52.1	15	1	1648.0	-	-
358255.0	68.9	15	2	1836.0	1858.0	-

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)
785549.0	95.3	8	3	1206.0	1126.0	1416.0
1048506.0	95.9	8	3	1990.0	1381.0	1117.0
225906.0	69.2	8	2	1143.0	1752.0	-
490285.0	66.1	8	1	1781.0	-	-
754675.0	62.2	8	1	1432.0	-	-
1015443.0	89.5	8	3	1874.0	1279.0	1984.0
193338.0	80.4	8	2	1415.0	1843.0	-
457403.0	81.8	8	2	1380.0	1222.0	-
719898.0	84.2	8	3	1738.0	1935.0	1123.0
986444.0	50.1	8	1	1339.0	-	-
160526.0	96.9	8	3	1927.0	1519.0	1967.0

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)
466804.0	85.1	7	3	1721.0	1187.0	1430.0
757100.0	81.0	7	2	1985.0	1862.0	-
1046354.0	93.3	7	3	1986.0	1356.0	1477.0
141086.0	96.1	7	3	1174.0	1671.0	1598.0
431321.0	75.9	7	2	1765.0	1914.0	-
722349.0	68.6	7	2	1080.0	1135.0	-
1012464.0	68.2	7	2	1296.0	1376.0	-
105668.0	50.0	7	1	1046.0	-	-
396366.0	55.9	7	1	1309.0	-	-
686181.0	78.3	7	2	1535.0	1354.0	-

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)
812730.0	69.5	10	2	1962.0	1713.0	-
58087.0	70.7	10	2	1591.0	1375.0	-
300439.0	55.5	10	1	1169.0	-	-
542712.0	64.8	10	1	1124.0	-	-
781627.0	88.8	10	3	1968.0	1822.0	1589.0
28343.0	60.9	10	1	1474.0	-	-
270628.0	53.5	10	1	1068.0	-	-
511547.0	67.0	10	2	1707.0	1996.0	-
753331.0	73.2	10	2	1747.0	1756.0	-
997207.0	55.7	10	1	1306.0	-	-
240647.0	53.1	10	1	1641.0	-	-
481533.0	86.7	10	3	1978.0	1054.0	1190.0

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)
543451.0	61.1	15	1	1553.0	-	-
724827.0	50.1	15	1	1704.0	-	-
158165.0	56.0	15	1	1002.0	-	-
339508.0	50.0	15	1	1691.0	-	-
520378.0	75.0	15	2	1237.0	1341.0	-
701303.0	74.9	15	2	1268.0	1682.0	-
135449.0	76.1	15	2	1254.0	1621.0	-
316456.0	81.4	15	2	1948.0	1385.0	-
497434.0	74.9	15	2	1522.0	1980.0	-
679978.0	64.7	15	1	1857.0	-	-
113293.0	58.2	15	1	1794.0	-	-
293623.0	99.4	15	3	1035.0	1846.0	1791.0
476433.0	66.6	15	1	1460.0	-	-
654891.0	86.5	15	3	1668.0	1820.0	1483.0
90928.0	61.3	15	1	1900.0	-	-
271146.0	96.3	15	3	1830.0	1982.0	1439.0

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)
557002.0	84.0	11	3	1567.0	1926.0	1360.0
780079.0	98.5	11	3	1615.0	1128.0	1664.0
84355.0	69.6	11	2	1091.0	1787.0	-
307437.0	71.3	11	2	1212.0	1951.0	-
529894.0	96.2	11	3	1163.0	1395.0	1735.0
752617.0	90.6	11	3	1734.0	1161.0	1533.0
56901.0	75.8	11	2	1140.0	1160.0	-
280119.0	75.2	11	2	1315.0	1310.0	-
504109.0	63.7	11	1	1251.0	-	-
727791.0	51.3	11	1	1111.0	-	-
29393.0	73.4	11	2	1112.0	1193.0	-
252606.0	78.5	11	2	1257.0	1425.0	-
475454.0	76.9	11	2	1750.0	1661.0	-

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)
699856.0	64.7	11	1	1628.0	-	-
1887.0	61.0	11	1	1775.0	-	-
224618.0	94.4	11	3	1783.0	1475.0	1435.0
447305.0	93.7	11	3	1757.0	1877.0	1162.0
670145.0	98.5	11	3	1605.0	1208.0	1807.0
894413.0	69.8	11	2	1412.0	1651.0	-
197034.0	93.1	11	3	1878.0	1652.0	1850.0
420130.0	90.1	11	3	1290.0	1009.0	1932.0
643686.0	75.9	11	2	1438.0	1782.0	-
866580.0	93.7	11	3	1201.0	1049.0	1183.0
169766.0	93.3	11	3	1314.0	1923.0	1345.0
393189.0	74.0	11	2	1908.0	1132.0	-
616370.0	74.5	11	2	1338.0	1637.0	-

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)
1214796.0	53.3	6	1	1941.0	-	-
206451.0	54.8	6	1	1015.0	-	-
529525.0	62.4	6	1	1153.0	-	-
852196.0	56.1	6	1	1818.0	-	-
1172500.0	98.2	6	3	1288.0	1675.0	1835.0
166631.0	52.3	6	1	1155.0	-	-
488795.0	99.7	6	3	1539.0	1042.0	1109.0
812398.0	57.2	6	1	1849.0	-	-
1134919.0	83.0	6	2	1119.0	1207.0	-

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)
126676.0	74.8	7	2	1789.0	1018.0	-
448875.0	86.1	7	3	1903.0	1170.0	1202.0
772061.0	81.8	7	2	1114.0	1700.0	-
1093550.0	90.5	7	3	1098.0	1417.0	1763.0
86943.0	70.6	7	2	1205.0	1365.0	-
409620.0	74.4	7	2	1673.0	1142.0	-
732306.0	80.8	7	2	1768.0	1059.0	-
1054277.0	86.3	7	3	1343.0	1349.0	1041.0
47154.0	73.6	7	2	1528.0	1993.0	-

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)
370362.0	51.4	7	1	1051.0	-	-
691644.0	97.6	7	3	1195.0	1444.0	1944.0
1016491.0	54.4	7	1	1197.0	-	-
7435.0	60.2	7	1	1947.0	-	-
330404.0	53.7	7	1	1681.0	-	-
653257.0	63.8	7	1	1916.0	-	-
976220.0	55.6	7	1	1844.0	-	-
1297544.0	68.2	7	2	1728.0	1760.0	-
290370.0	66.7	7	2	1823.0	1014.0	-

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)
500949.0	68.2	9	2	1893.0	1824.0	-
765970.0	56.2	9	1	1809.0	-	-
1030570.0	58.0	9	1	1324.0	-	-
205224.0	54.8	9	1	1423.0	-	-
468755.0	76.4	9	2	1399.0	1657.0	-
731767.0	97.4	9	3	1167.0	1957.0	1159.0
996222.0	71.7	9	2	1606.0	1680.0	-
172272.0	87.2	9	3	1362.0	1239.0	1372.0
436275.0	71.0	9	2	1144.0	1865.0	-
701194.0	62.7	9	1	1348.0	-	-
965030.0	57.5	9	1	1819.0	-	-

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)
128418.0	53.2	11	1	1561.0	-	-
370088.0	71.1	11	2	1772.0	1090.0	-
611925.0	78.9	11	2	1342.0	1520.0	-
853237.0	69.7	11	2	1973.0	1504.0	-
98463.0	81.7	11	2	1436.0	1414.0	-
339804.0	86.2	11	3	1695.0	1218.0	1400.0
583128.0	58.3	11	1	1164.0	-	-
825030.0	61.9	11	1	1585.0	-	-
68753.0	57.9	11	1	1698.0	-	-
309945.0	99.3	11	3	1261.0	1773.0	1644.0
552307.0	68.6	11	2	1888.0	1047.0	-
795081.0	59.2	11	1	1737.0	-	-

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)
58336.0	89.7	5	3	1182.0	1072.0	1790.0
421503.0	70.0	5	2	1102.0	1697.0	-
783507.0	91.8	5	3	1892.0	1403.0	1631.0
1147742.0	76.4	5	2	1358.0	1437.0	-
13653.0	70.0	5	2	1554.0	1655.0	-
376181.0	93.2	5	3	1953.0	1578.0	1626.0
740591.0	51.1	5	1	1387.0	-	-
1101177.0	98.6	5	3	1574.0	1761.0	1954.0

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)
1173519.0	50.5	7	1	1612.0	-	-
265364.0	79.9	7	2	1507.0	1966.0	-
555068.0	85.7	7	3	1496.0	1580.0	1455.0
846090.0	81.4	7	2	1995.0	1004.0	-
1137799.0	51.0	7	1	1526.0	-	-
229687.0	75.0	7	2	1489.0	1625.0	-
520242.0	70.0	7	2	1394.0	1094.0	-
811188.0	59.7	7	1	1732.0	-	-
1098613.0	84.5	7	3	1833.0	1571.0	1801.0
193850.0	68.8	7	2	1762.0	1851.0	-

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)
241010.0	83.4	20	3	1514.0	1543.0	1211.0
387524.0	53.4	20	1	1131.0	-	-
531420.0	68.1	20	2	1353.0	1294.0	-
78892.0	78.8	20	2	1402.0	1634.0	-
223988.0	70.4	20	2	1134.0	1066.0	-
368647.0	80.4	20	2	1157.0	1572.0	-
512926.0	68.6	20	2	1751.0	1650.0	-
60961.0	84.8	20	3	1137.0	1225.0	1630.0
205680.0	78.5	20	2	1766.0	1736.0	-
350447.0	67.5	20	2	2000.0	1337.0	-
496462.0	55.5	20	1	1764.0	-	-
43117.0	93.8	20	3	1678.0	1216.0	1632.0
188438.0	60.3	20	1	1667.0	-	-
333231.0	67.4	20	2	1219.0	1025.0	-
477116.0	99.6	20	3	1016.0	1579.0	1011.0
25309.0	97.0	20	3	1316.0	1838.0	1799.0
170214.0	68.4	20	2	1505.0	1389.0	-
314520.0	84.8	20	3	1281.0	1012.0	1568.0
458896.0	84.6	20	3	1006.0	1994.0	1130.0
7551.0	70.9	20	2	1864.0	1602.0	-

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)
382518.0	51.6	5	1	1043.0	-	-
743907.0	94.0	5	3	1977.0	1549.0	1848.0
1108584.0	69.8	5	2	1304.0	1121.0	-
1472241.0	64.1	5	1	1969.0	-	-
337593.0	57.0	5	1	1688.0	-	-
700572.0	73.3	5	2	1445.0	1116.0	-
1062378.0	85.5	5	3	1490.0	1223.0	1778.0
1424671.0	97.6	5	3	1975.0	1292.0	1659.0

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)	
179742.0	68.6	12	2	1831.0	1573.0	-	
403545.0	56.7	12	1	1684.0	-	-	
627210.0	66.2	12	1	1392.0	-	-	
848223.0	98.6	12	3	1118.0	1308.0	1701.0	
152443.0	77.4	12	2	1064.0	1280.0	-	
374891.0	89.1	12	3	1722.0	1378.0	1347.0	
599927.0	65.8	12	1	1005.0	-	-	
823176.0	65.2	12	1	1434.0	-	-	
124550.0	91.1	12	3	1608.0	1725.0	1863.0	
348553.0	60.8	12	1	1524.0	-	-	
570084.0	99.6	12	3	1972.0	1313.0	1420.0	
795480.0	61.4	12	1	1622.0	-	-	
97556.0	57.8	12	1	1154.0	-	-	

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	5552	5294	5462	5306	5267
5	5563	5645	5713	5418	5531
10	5663	5613	5614	5651	5472
15	5494	5507	5276	5315	5722
20	5569	5355	5412	5369	5712
25	5331	5322	5440	5714	5545
30	5721	5323	5444	5691	5411
35	5389	5466	5262	5579	5270
40	5575	5558	5534	5499	5275
45	5681	5400	5492	5649	5541
50	5447	5607	5343	5347	5280
55	5482	5670	5523	5526	5333
60	5289	5637	5454	5554	5603
65	5430	5465	5632	5303	5424
70	5497	5501	5489	5616	5473
75	5525	5654	5297	5581	5340
80	5395	5479	5399	5334	5318
85	5436	5505	5700	5621	5284
90	5536	5268	5427	5292	5598
95	5506	5590	5572	5671	5549

Type 6 Radar Waveform_1					
Frequency List (MHz)	0	1	2	3	4
0	5332	5533	5398	5467	5487
5	5702	5667	5313	5581	5263
10	5594	5402	5655	5371	5493
15	5582	5634	5379	5360	5439
20	5577	5521	5450	5458	5279
25	5600	5280	5428	5641	5273
30	5587	5610	5722	5596	5511
35	5550	5480	5262	5512	5559
40	5258	5284	5683	5340	5652
45	5463	5479	5358	5264	5299
50	5287	5368	5350	5592	5633
55	5430	5535	5709	5672	5489
60	5494	5498	5469	5500	5329
65	5404	5367	5670	5666	5584
70	5492	5465	5449	5484	5526
75	5417	5627	5321	5647	5380
80	5310	5331	5513	5292	5278
85	5565	5451	5532	5356	5433
90	5704	5620	5645	5520	5470
95	5285	5644	5336	5572	5396

Type 6 Radar Waveform_2					
Frequency List (MHz)	0	1	2	3	4
0	5587	5297	5334	5628	5329
5	5269	5592	5388	5567	5428
10	5288	5696	5469	5514	5670
15	5286	5385	5405	5631	5585
20	5590	5391	5450	5252	5488
25	5607	5270	5307	5251	5499
30	5712	5365	5370	5709	5571
35	5533	5665	5473	5572	5367
40	5621	5483	5649	5392	5459
45	5441	5322	5255	5552	5719
50	5526	5643	5722	5253	5609
55	5626	5663	5387	5308	5465
60	5687	5654	5301	5678	5446
65	5530	5328	5440	5674	5408
70	5263	5570	5692	5425	5443
75	5495	5537	5295	5302	5424
80	5602	5436	5544	5373	5708
85	5528	5512	5454	5305	5554
90	5598	5439	5636	5637	5700
95	5504	5368	5630	5402	5642

Type 6 Radar Waveform_3					
Frequency List (MHz)	0	1	2	3	4
0	5367	5536	5270	5314	5549
5	5311	5614	5463	5432	5299
10	5359	5552	5664	5535	5283
15	5413	5488	5353	5348	5496
20	5281	5332	5539	5700	5279
25	5556	5374	5341	5293	5485
30	5669	5580	5522	5529	5256
35	5662	5329	5343	5484	5411
40	5450	5559	5723	5646	5699
45	5439	5524	5308	5595	5702
50	5694	5336	5551	5553	5339
55	5617	5577	5505	5696	5608
60	5504	5392	5277	5476	5409
65	5357	5686	5541	5401	5402
70	5657	5676	5712	5692	5708
75	5533	5325	5525	5670	5534
80	5588	5704	5322	5456	5288
85	5542	5297	5421	5654	5280
90	5585	5266	5609	5681	5262
95	5285	5562	5460	5345	5499

Type 6 Radar Waveform_4					
Frequency List (MHz)	0	1	2	3	4
0	5525	5397	5681	5475	5391
5	5353	5539	5538	5498	5506
10	5290	5341	5400	5384	5556
15	5274	5443	5591	5398	5637
20	5504	5447	5370	5531	5673
25	5642	5408	5562	5478	5375
30	5335	5374	5626	5320	5296
35	5252	5395	5697	5593	5250
40	5533	5497	5488	5643	5628
45	5322	5607	5361	5704	5403
50	5270	5425	5277	5527	5571
55	5292	5324	5310	5470	5518
60	5641	5537	5330	5435	5554
65	5701	5415	5716	5627	5489
70	5639	5598	5390	5280	5336
75	5680	5484	5264	5356	5473
80	5300	5596	5720	5573	5551
85	5421	5287	5410	5572	5453
90	5548	5709	5303	5365	5671
95	5569	5491	5608	5404	5357

Type 6 Radar Waveform_5					
Frequency List (MHz)	0	1	2	3	4
0	5305	5636	5617	5611	5492
5	5561	5613	5661	5335	5599
10	5605	5441	5579	5577	5362
15	5570	5694	5443	5354	5512
20	5516	5311	5620	5646	5433
25	5260	5290	5679	5409	5377
30	5360	5583	5535	5448	5547
35	5437	5466	5493	5271	5312
40	5713	5435	5631	5640	5460
45	5302	5690	5399	5414	5591
50	5250	5321	5575	5344	5715
55	5525	5482	5618	5281	5683
60	5586	5369	5253	5381	5650
65	5451	5422	5292	5673	5625
70	5698	5714	5256	5320	5325
75	5627	5720	5608	5254	5464
80	5659	5697	5440	5476	5315
85	5630	5461	5477	5392	5554
90	5268	5660	5474	5310	5390
95	5553	5634	5470	5711	5699

Type 6 Radar Waveform_6

Frequency List (MHz)	0	1	2	3	4
0	5560	5400	5553	5322	5453
5	5534	5486	5688	5349	5542
10	5530	5394	5482	5299	5598
15	5450	5697	5391	5546	5423
20	5682	5252	5612	5619	5321
25	5684	5396	5308	5443	5516
30	5724	5540	5653	5367	5576
35	5557	5289	5424	5323	5500
40	5276	5259	5389	5282	5298
45	5360	5467	5381	5601	5280
50	5372	5700	5398	5666	5428
55	5479	5672	5437	5253	5373
60	5531	5676	5554	5327	5578
65	5599	5390	5283	5314	5570
70	5270	5611	5701	5563	5707
75	5657	5652	5445	5673	5385
80	5470	5510	5628	5722	5694
85	5635	5476	5632	5574	5708
90	5595	5415	5250	5590	5680
95	5583	5634	5532	5352	5339

Type 6 Radar Waveform_7

Frequency List (MHz)	0	1	2	3	4
0	5340	5639	5489	5386	5673
5	5576	5508	5288	5512	5274
10	5461	5280	5523	5397	5619
15	5538	5349	5328	5436	5263
20	5431	5276	5290	5701	5592
25	5587	5536	5599	5412	5477
30	5558	5613	5497	5393	5374
35	5565	5715	5648	5657	5674
40	5712	5339	5404	5689	5636
45	5256	5318	5262	5381	5418
50	5520	5268	5456	5423	5314
55	5696	5610	5616	5336	5634
60	5601	5285	5573	5380	5370
65	5401	5548	5426	5493	5584
70	5439	5597	5326	5315	5683
75	5621	5341	5304	5637	5483
80	5291	5317	5407	5691	5355
85	5379	5571	5463	5369	5498
90	5410	5473	5663	5714	5327
95	5595	5344	5500	5618	5430

Type 6 Radar Waveform_8

Frequency List (MHz)	0	1	2	3	4
0	5498	5403	5425	5547	5515
5	5618	5433	5363	5578	5295
10	5544	5564	5592	5640	5529
15	5476	5431	5481	5455	5439
20	5442	5706	5693	5565	5475
25	5485	5327	5516	5511	5600
30	5599	5454	5608	5623	5385
35	5379	5264	5453	5352	5626
40	5653	5584	5627	5401	5253
45	5625	5717	5464	5533	5256
50	5632	5474	5422	5457	5707
55	5290	5480	5572	5414	5703
60	5518	5437	5303	5316	5602
65	5497	5462	5325	5554	5680
70	5329	5639	5659	5575	5493
75	5685	5387	5285	5593	5384
80	5470	5688	5647	5282	5413
85	5597	5520	5428	5420	5271
90	5638	5669	5651	5587	5704
95	5361	5555	5328	5545	5440

Type 6 Radar Waveform_9

Frequency List (MHz)	0	1	2	3	4
0	5278	5642	5361	5708	5260
5	5282	5455	5438	5266	5310
10	5701	5333	5605	5312	5661
15	5617	5506	5534	5526	5647
20	5350	5511	5307	5538	5363
25	5337	5530	5717	5545	5264
30	5488	5411	5348	5300	5583
35	5421	5452	5724	5505	5637
40	5492	5667	5565	5544	5250
45	5554	5697	5547	5437	5529
50	5420	5607	5525	5720	5401
55	5719	5670	5272	5543	5393
60	5463	5269	5604	5262	5328
65	5446	5535	5271	5357	5666
70	5429	5635	5462	5569	5606
75	5548	5533	5685	5367	5255
80	5657	5712	5296	5374	5519
85	5428	5675	5469	5716	5378
90	5610	5683	5648	5638	5435
95	5555	5289	5360	5624	5549

Type 6 Radar Waveform_10

Frequency List (MHz)	0	1	2	3	4
0	5533	5406	5297	5394	5577
5	5324	5380	5513	5429	5517
10	5535	5597	5646	5507	5682
15	5705	5633	5637	5474	5364
20	5358	5677	5588	5299	5511
25	5629	5664	5258	5346	5579
30	5306	5377	5368	5466	5549
35	5403	5560	5543	5520	5280
40	5551	5428	5275	5503	5309
45	5722	5386	5580	5630	5495
50	5582	5685	5483	5509	5576
55	5678	5723	5608	5673	5385
60	5469	5514	5672	5558	5505
65	5527	5683	5626	5395	5437
70	5367	5541	5635	5277	5652
75	5432	5337	5493	5334	5353
80	5716	5584	5712	5693	5585
85	5562	5660	5669	5620	5332
90	5261	5425	5292	5681	5622
95	5351	5350	5492	5665	5667

Type 6 Radar Waveform_11

Frequency List (MHz)	0	1	2	3	4
0	5313	5645	5708	5555	5322
5	5366	5402	5588	5592	5346
10	5466	5386	5309	5702	5703
15	5318	5285	5265	5519	5653
20	5271	5626	5388	5484	5517
25	5613	5364	5450	5516	5348
30	5363	5325	5681	5701	5601
35	5699	5634	5413	5433	5465
40	5267	5358	5441	5549	5341
45	5315	5560	5713	5553	5635
50	5572	5262	5685	5627	5292
55	5667	5321	5575	5288	5326
60	5723	5408	5353	5251	5352
65	5344	5473	5577	5438	5349
70	5638	5532	5564	5490	5452
75	5303	5719	5598	5351	5365
80	5401	5281	5582	5282	5563
85	5511	5583	5524	5604	5379
90	5540	5446	5658	5687	5656
95	5611	5459	5509	5720	5651

Type 6 Radar Waveform_12

Frequency List (MHz)	0	1	2	3	4
0	5568	5409	5644	5716	5639
5	5408	5327	5663	5658	5553
10	5397	5650	5350	5325	5724
15	5309	5412	5271	5564	5370
20	5277	5437	5567	5380	5457
25	5308	5465	5554	5550	5487
30	5252	5282	5421	5475	5266
35	5250	5684	5586	5476	5581
40	5538	5379	5314	5338	5719
45	5540	5321	5514	5688	5362
50	5613	5386	5678	5381	5509
55	5290	5582	5359	5358	5413
60	5395	5715	5654	5672	5293
65	5703	5619	5518	5721	5535
70	5466	5411	5272	5593	5375
75	5364	5621	5468	5344	5579
80	5574	5563	5353	5643	5472
85	5430	5691	5348	5315	5690
90	5493	5471	5526	5300	5257
95	5492	5507	5482	5448	5420

Type 6 Radar Waveform_13

Frequency List (MHz)	0	1	2	3	4
0	5251	5648	5580	5402	5384
5	5547	5349	5263	5346	5285
10	5706	5536	5391	5520	5270
15	5397	5539	5374	5609	5562
20	5506	5508	5469	5430	5671
25	5414	5295	5280	5584	5529
30	5616	5714	5636	5627	5716
35	5405	5341	5480	5361	5390
40	5420	5621	5695	5457	5335
45	5551	5404	5572	5266	5724
50	5489	5254	5470	5458	5697
55	5535	5401	5330	5487	5578
60	5340	5644	5577	5618	5376
65	5717	5448	5619	5595	5422
70	5590	5707	5538	5262	5442
75	5370	5433	5665	5474	5632
80	5407	5576	5294	5466	5292
85	5606	5336	5437	5464	5367
90	5513	5321	5278	5543	5355
95	5389	5585	5446	5505	5415

Type 6 Radar Waveform_14

Frequency List (MHz)	0	1	2	3	4
0	5506	5412	5516	5466	5701
5	5589	5371	5338	5509	5637
10	5325	5432	5715	5291	5485
15	5569	5477	5557	5279	5293
20	5672	5546	5461	5403	5462
25	5266	5498	5384	5618	5571
30	5602	5671	5401	5439	5544
35	5373	5514	5304	5356	5704
40	5633	5697	5332	5480	5500
45	5487	5630	5365	5263	5305
50	5656	5688	5410	5489	5573
55	5598	5301	5616	5268	5382
60	5476	5661	5674	5288	5387
65	5451	5390	5700	5284	5693
70	5638	5586	5418	5329	5588
75	5261	5576	5646	5404	5584
80	5658	5321	5567	5369	5609
85	5666	5528	5435	5712	5662
90	5678	5327	5635	5689	5657
95	5368	5397	5541	5717	5587

Type 6 Radar Waveform_15

Frequency List (MHz)	0	1	2	3	4
0	5286	5651	5452	5627	5446
5	5631	5296	5413	5672	5321
10	5568	5589	5473	5435	5312
15	5573	5696	5580	5602	5471
20	5679	5363	5487	5550	5376
25	5350	5593	5701	5488	5652
30	5710	5491	5531	5494	5553
35	5259	5683	5620	5644	5667
40	5315	5670	5409	5571	5462
45	5329	5480	5570	5591	5275
50	5401	5619	5342	5356	5270
55	5511	5724	5501	5443	5288
60	5417	5650	5433	5327	5308
65	5704	5607	5400	5712	5423
70	5283	5660	5503	5301	5641
75	5394	5460	5381	5622	5559
80	5597	5536	5485	5630	5684
85	5369	5548	5629	5623	5389
90	5385	5368	5333	5598	5420
95	5674	5465	5306	5661	5250

Type 6 Radar Waveform_16					
Frequency List (MHz)	0	1	2	3	4
0	5541	5415	5388	5313	5288
5	5673	5318	5488	5263	5528
10	5402	5378	5514	5630	5333
15	5564	5348	5683	5647	5663
20	5687	5432	5428	5542	5349
25	5713	5332	5592	5686	5277
30	5477	5709	5327	5457	5250
35	5711	5440	5345	5704	5509
40	5492	5605	5423	5716	5460
45	5653	5649	5328	5666	5495
50	5518	5407	5359	5712	5571
55	5689	5397	5478	5621	5399
60	5598	5272	5615	5627	5553
65	5601	5661	5459	5493	5552
70	5306	5525	5287	5266	5662
75	5273	5722	5429	5501	5290
80	5705	5336	5707	5317	5693
85	5470	5404	5390	5340	5613
90	5258	5680	5533	5436	5632
95	5302	5335	5691	5520	5559

Type 6 Radar Waveform_17					
Frequency List (MHz)	0	1	2	3	4
0	5699	5654	5324	5474	5508
5	5337	5718	5563	5426	5260
10	5333	5642	5555	5253	5354
15	5652	5475	5689	5692	5380
20	5695	5598	5466	5631	5322
25	5504	5394	5535	5318	5720
30	5319	5366	5445	5449	5479
35	5277	5389	5327	5711	5595
40	5618	5348	5575	5447	5370
45	5420	5548	5343	5261	5707
50	5381	5553	5371	5694	5458
55	5448	5515	5402	5351	5668
60	5433	5592	5528	5288	5453
65	5596	5424	5610	5398	5325
70	5347	5487	5597	5273	5269
75	5511	5724	5681	5301	5621
80	5336	5686	5588	5342	5573
85	5716	5378	5467	5696	5650
90	5435	5578	5506	5403	5698
95	5442	5569	5659	5444	5708

Type 6 Radar Waveform_18

Frequency List (MHz)	0	1	2	3	4
0	5479	5418	5260	5635	5350
5	5379	5265	5638	5589	5564
10	5642	5528	5596	5448	5375
15	5602	5317	5640	5572	5606
20	5667	5407	5623	5295	5392
25	5343	5263	5422	5279	5458
30	5255	5402	5567	5253	5475
35	5604	5273	5629	5662	5658
40	5385	5610	5417	5477	5323
45	5344	5668	5434	5722	5395
50	5509	5634	5358	5362	5590
55	5305	5383	5252	5563	5560
60	5453	5259	5376	5542	5625
65	5559	5535	5714	5290	5669
70	5369	5360	5700	5270	5644
75	5365	5355	5354	5405	5441
80	5464	5416	5650	5646	5712
85	5627	5446	5445	5698	5388
90	5603	5444	5456	5250	5630
95	5258	5452	5565	5336	5349

Type 6 Radar Waveform_19

Frequency List (MHz)	0	1	2	3	4
0	5259	5279	5671	5321	5570
5	5421	5665	5713	5277	5296
10	5573	5317	5643	5396	5353
15	5632	5420	5685	5386	5614
20	5358	5348	5712	5268	5658
25	5670	5466	5526	5313	5500
30	5716	5359	5307	5405	5295
35	5509	5400	5426	5543	5598
40	5363	5323	5375	5414	5406
45	5303	5427	5251	5487	5705
50	5501	5571	5560	5723	5656
55	5306	5637	5546	5437	5689
60	5618	5679	5683	5677	5488
65	5448	5508	5373	5367	5568
70	5342	5372	5684	5676	5599
75	5617	5289	5525	5648	5465
80	5610	5569	5504	5461	5611
85	5553	5675	5344	5411	5399
90	5430	5454	5540	5326	5565
95	5364	5339	5350	5544	5253

Type 6 Radar Waveform_20					
Frequency List (MHz)	0	1	2	3	4
0	5514	5518	5607	5482	5412
5	5463	5687	5313	5343	5503
10	5504	5581	5300	5363	5417
15	5344	5284	5523	5255	5578
20	5622	5427	5386	5704	5338
25	5546	5522	5669	5630	5347
30	5542	5605	5316	5654	5590
35	5709	5697	5671	5676	5457
40	5437	5446	5261	5411	5713
45	5283	5510	5309	5443	5495
50	5377	5272	5611	5337	5479
55	5628	5491	5591	5288	5365
60	5408	5308	5624	5515	5434
65	5649	5409	5577	5304	5371
70	5435	5328	5375	5436	5652
75	5558	5586	5668	5629	5297
80	5478	5391	5636	5567	5458
85	5331	5456	5330	5260	5439
90	5279	5353	5678	5716	5718
95	5460	5574	5381	5265	5323

Type 6 Radar Waveform_21					
Frequency List (MHz)	0	1	2	3	4
0	5294	5282	5543	5546	5632
5	5602	5612	5388	5506	5332
10	5338	5370	5341	5558	5438
15	5432	5411	5626	5678	5295
20	5533	5593	5327	5318	5311
25	5337	5471	5300	5259	5381
30	5584	5494	5273	5262	5331
35	5313	5373	5564	5354	5468
40	5276	5529	5577	5283	5505
45	5642	5263	5270	5496	5382
50	5253	5448	5662	5426	5680
55	5572	5582	5545	5562	5379
60	5472	5473	5569	5347	5477
65	5406	5445	5409	5671	5649
70	5604	5314	5475	5285	5531
75	5517	5555	5336	5610	5549
80	5588	5647	5325	5252	5358
85	5526	5456	5269	5698	5631
90	5719	5404	5451	5439	5408
95	5563	5608	5686	5398	5320

Type 6 Radar Waveform_22

Frequency List (MHz)	0	1	2	3	4
0	5452	5521	5479	5707	5474
5	5644	5634	5463	5669	5539
10	5269	5382	5656	5459	5520
15	5538	5632	5723	5487	5541
20	5662	5268	5310	5284	5700
25	5323	5503	5460	5415	5480
30	5705	5380	5580	5608	5512
35	5404	5360	5507	5590	5709
40	5515	5523	5502	5718	5676
45	5328	5549	5647	5604	5624
50	5713	5419	5295	5499	5571
55	5381	5350	5601	5638	5611
60	5276	5252	5423	5673	5355
65	5384	5619	5466	5300	5478
70	5609	5476	5427	5649	5591
75	5326	5698	5426	5489	5315
80	5343	5359	5586	5283	5251
85	5587	5358	5699	5259	5573
90	5569	5545	5320	5375	5388
95	5519	5287	5562	5275	5610

Type 6 Radar Waveform_23

Frequency List (MHz)	0	1	2	3	4
0	5707	5285	5415	5393	5694
5	5686	5559	5538	5357	5271
10	5675	5520	5423	5376	5480
15	5608	5665	5260	5293	5679
20	5549	5353	5684	5399	5257
25	5588	5272	5706	5564	5449
30	5290	5369	5662	5595	5331
35	5554	5495	5631	5282	5296
40	5526	5317	5453	5288	5499
45	5403	5601	5284	5386	5602
50	5534	5383	5325	5289	5701
55	5326	5363	5483	5286	5699
60	5633	5328	5556	5583	5650
65	5496	5304	5420	5451	5358
70	5370	5578	5458	5435	5396
75	5672	5525	5572	5711	5653
80	5378	5352	5359	5721	5443
85	5552	5409	5472	5457	5263
90	5575	5579	5610	5332	5529
95	5430	5372	5417	5266	5473

Type 6 Radar Waveform_24

Frequency List (MHz)	0	1	2	3	4
0	5487	5524	5351	5554	5536
5	5350	5581	5613	5520	5575
10	5509	5309	5464	5571	5501
15	5599	5695	5363	5338	5396
20	5460	5422	5722	5391	5705
25	5379	5434	5668	5483	5332
30	5258	5619	5335	5506	5626
35	5693	5586	5427	5435	5307
40	5365	5400	5431	5496	5367
45	5347	5655	5324	5259	5340
50	5315	5624	5685	5671	5407
55	5476	5397	5670	5287	5493
60	5415	5412	5697	5253	5359
65	5661	5628	5436	5442	5369
70	5459	5394	5268	5317	5553
75	5355	5346	5465	5720	5538
80	5349	5262	5306	5635	5420
85	5277	5428	5516	5492	5441
90	5546	5388	5356	5623	5293
95	5250	5559	5360	5458	5485

Type 6 Radar Waveform_25

Frequency List (MHz)	0	1	2	3	4
0	5267	5288	5287	5715	5281
5	5392	5506	5688	5586	5307
10	5440	5573	5505	5291	5522
15	5687	5347	5466	5286	5588
20	5468	5663	5480	5678	5451
25	5637	5297	5517	5471	5719
30	5576	5550	5658	5349	5357
35	5299	5320	5696	5679	5483
40	5329	5671	5493	5639	5561
45	5450	5405	5708	5686	5610
50	5677	5391	5404	5350	5629
55	5384	5361	5666	5691	5641
60	5416	5543	5722	5302	5358
65	5423	5395	5714	5611	5355
70	5681	5534	5435	5353	5712
75	5437	5631	5607	5456	5721
80	5409	5601	5346	5453	5640
85	5684	5269	5255	5385	5414
90	5475	5593	5277	5563	5443
95	5310	5602	5491	5345	5296

Type 6 Radar Waveform_26					
Frequency List (MHz)	0	1	2	3	4
0	5425	5527	5698	5401	5598
5	5434	5528	5288	5274	5514
10	5371	5362	5546	5486	5543
15	5300	5474	5569	5331	5305
20	5476	5279	5604	5472	5651
25	5533	5400	5268	5498	5551
30	5513	5608	5668	5432	5644
35	5399	5390	5591	5363	5610
40	5518	5663	5267	5436	5587
45	5568	5541	5463	5664	5389
50	5378	5442	5493	5648	5572
55	5315	5381	5510	5612	5545
60	5348	5488	5554	5700	5304
65	5721	5626	5431	5703	5517
70	5683	5341	5684	5383	5411
75	5312	5584	5557	5285	5287
80	5469	5502	5573	5640	5623
85	5707	5447	5253	5368	5673
90	5283	5690	5487	5634	5562
95	5580	5421	5484	5402	5689

Type 6 Radar Waveform_27					
Frequency List (MHz)	0	1	2	3	4
0	5680	5291	5634	5562	5343
5	5476	5453	5363	5437	5626
10	5684	5584	5564	5388	5601
15	5575	5376	5594	5484	5348
20	5642	5561	5624	5421	5252
25	5471	5602	5585	5555	5490
30	5408	5464	5538	5481	5387
35	5516	5621	5357	5271	5579
40	5400	5521	5616	5717	5265
45	5554	5493	5679	5420	5285
50	5269	5571	5329	5486	5674
55	5513	5433	5483	5526	5250
60	5447	5370	5535	5320	5377
65	5424	5309	5707	5290	5553
70	5580	5428	5593	5539	5283
75	5262	5718	5465	5543	5292
80	5542	5693	5419	5417	5448
85	5696	5671	5694	5405	5581
90	5463	5505	5509	5720	5723
95	5268	5474	5331	5699	5676

Type 6 Radar Waveform_28

Frequency List (MHz)	0	1	2	3	4
0	5460	5530	5570	5723	5660
5	5615	5475	5438	5600	5550
10	5611	5512	5250	5304	5585
15	5379	5631	5678	5421	5311
20	5395	5514	5583	5553	5597
25	5687	5676	5674	5706	5619
30	5694	5483	5447	5623	5358
35	5662	5677	5572	5280	5669
40	5535	5293	5354	5618	5344
45	5581	5329	5501	5699	5482
50	5295	5628	5616	5255	5544
55	5294	5267	5376	5698	5664
60	5526	5457	5328	5378	5315
65	5352	5270	5524	5406	5477
70	5449	5410	5312	5556	5266
75	5705	5425	5700	5474	5574
80	5316	5689	5539	5412	5715
85	5446	5307	5259	5561	5373
90	5665	5691	5613	5702	5458
95	5301	5305	5711	5608	5486

Type 6 Radar Waveform_29

Frequency List (MHz)	0	1	2	3	4
0	5715	5294	5506	5312	5405
5	5657	5400	5513	5666	5282
10	5445	5301	5291	5499	5606
15	5467	5283	5306	5369	5503
20	5403	5583	5524	5642	5570
25	5575	5528	5402	5335	5556
30	5261	5372	5404	5363	5510
35	5482	5341	5663	5551	5444
40	5449	5607	5437	5459	5584
45	5578	5258	5364	5307	5540
50	5348	5515	5492	5431	5595
55	5382	5495	5666	5564	5652
60	5379	5345	5428	5360	5368
65	5420	5622	5275	5714	5471
70	5473	5442	5577	5272	5304
75	5521	5396	5315	5308	5717
80	5664	5394	5617	5555	5568
85	5702	5320	5493	5475	5712
90	5380	5446	5721	5451	5526
95	5424	5438	5511	5303	5708



Test Site	WZ-SR4	Test Engineer	Jake Lan
Test Date	2023-01-10 ~ 2023-01-18		
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	5540	0	5493	1	5564	1	5530	1
1	5534	1	5498	1	5495	1	5555	1
2	5535	1	5520	1	5532	1	5569	1
3	5502	1	5527	1	5500	1	5552	1
4	5570	1	5558	1	5560	1	5559	1
5	5525	1	5546	0	5569	1	5562	1
6	5501	1	5499	1	5502	0	5496	0
7	5532	1	5490	0	5533	1	5544	1
8	5559	1	5551	0	5530	1	5554	1
9	5535	1	5555	1	5555	1	5506	1
10	5547	1	5542	1	5496	1	5490	1
11	5567	1	5563	1	5497	1	5513	1
12	5508	1	5557	1	5547	1	5514	1
13	5534	1	5567	1	5543	1	5508	1
14	5516	1	5496	1	5515	1	5559	1
15	5558	1	5570	0	5550	1	5570	0
16	5542	1	5521	1	5534	1	5539	1
17	5544	1	5562	1	5497	0	5518	1
18	5527	1	5547	1	5493	1	5570	0
19	5493	1	5501	0	5524	0	5557	0
20	5550	1	5518	1	5504	1	5568	1
21	5565	1	5504	1	5547	1	5531	1
22	5539	1	5542	1	5524	0	5552	1
23	5512	1	5530	1	5490	0	5543	0
24	5498	1	5518	0	5556	1	5527	1
25	5490	1	5541	1	5497	0	5535	0
26	5541	1	5548	1	5570	1	5523	0
27	5558	1	5500	1	5492	1	5501	1



Trial	Radar Type 1		Radar Type 2		Radar Type 3		Radar Type 4	
	Frequency	1=detect	Frequency	1=detect	Frequency	1=detect	Frequency	1=detect
	(MHz)	0=no detect	(MHz)	0=no detect	(MHz)	0=no detect	(MHz)	0=no detect
28	5530	1	5539	1	5499	1	5533	1
29	5543	1	5536	1	5508	1	5555	1
Probability:	96.7%		80.0%		80.0%		76.7%	
Aggregate:	83.3% (>80%)							

Radar Type 1 - Radar Waveform							Radar Type 2 - Radar Waveform						
	Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)		Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
Download	0	Type 1	1.0	718.0	74	53132.0	Download	0	Type 2	3.5	171.0	27	4617.0
Download	1	Type 1	1.0	818.0	65	53170.0	Download	1	Type 2	4.2	151.0	26	4228.0
Download	2	Type 1	1.0	598.0	89	53222.0	Download	2	Type 2	3.9	230.0	28	6440.0
Download	3	Type 1	1.0	918.0	58	53244.0	Download	3	Type 2	2.9	177.0	26	4602.0
Download	4	Type 1	1.0	778.0	68	52804.0	Download	4	Type 2	1.6	199.0	24	4776.0
Download	5	Type 1	1.0	798.0	67	53466.0	Download	5	Type 2	3.9	155.0	28	4340.0
Download	6	Type 1	1.0	678.0	78	52884.0	Download	6	Type 2	1.0	215.0	23	4945.0
Download	7	Type 1	1.0	558.0	95	53010.0	Download	7	Type 2	2.5	186.0	25	4650.0
Download	8	Type 1	1.0	838.0	63	52794.0	Download	8	Type 2	3.9	183.0	27	4941.0
Download	9	Type 1	1.0	898.0	59	52982.0	Download	9	Type 2	2.9	219.0	26	5694.0
Download	10	Type 1	1.0	858.0	62	53196.0	Download	10	Type 2	4.6	206.0	29	5974.0
Download	11	Type 1	1.0	538.0	99	53262.0	Download	11	Type 2	4.1	220.0	28	6160.0
Download	12	Type 1	1.0	518.0	102	52836.0	Download	12	Type 2	4.2	228.0	28	6384.0
Download	13	Type 1	1.0	638.0	83	52954.0	Download	13	Type 2	2.8	159.0	26	4134.0
Download	14	Type 1	1.0	698.0	76	53048.0	Download	14	Type 2	3.9	154.0	28	4312.0
Download	15	Type 1	1.0	1125.0	47	52875.0	Download	15	Type 2	3.9	174.0	28	4872.0
Download	16	Type 1	1.0	1624.0	33	53592.0	Download	16	Type 2	4.5	163.0	29	4727.0
Download	17	Type 1	1.0	2045.0	26	53170.0	Download	17	Type 2	4.7	157.0	29	4553.0
Download	18	Type 1	1.0	2445.0	22	53790.0	Download	18	Type 2	2.9	202.0	26	5252.0
Download	19	Type 1	1.0	936.0	57	53352.0	Download	19	Type 2	4.5	224.0	28	6272.0
Download	20	Type 1	1.0	799.0	67	53533.0	Download	20	Type 2	2.6	191.0	25	4775.0
Download	21	Type 1	1.0	2384.0	23	54832.0	Download	21	Type 2	1.9	175.0	24	4200.0
Download	22	Type 1	1.0	2280.0	24	54720.0	Download	22	Type 2	2.3	195.0	25	4875.0
Download	23	Type 1	1.0	750.0	71	53250.0	Download	23	Type 2	2.0	201.0	24	4824.0
Download	24	Type 1	1.0	1969.0	27	53163.0	Download	24	Type 2	1.6	200.0	24	4800.0
Download	25	Type 1	1.0	1649.0	33	54417.0	Download	25	Type 2	2.1	203.0	24	4872.0
Download	26	Type 1	1.0	2174.0	25	54350.0	Download	26	Type 2	2.3	166.0	25	4150.0
Download	27	Type 1	1.0	1379.0	39	53781.0	Download	27	Type 2	4.3	190.0	28	5320.0
Download	28	Type 1	1.0	1365.0	39	53235.0	Download	28	Type 2	2.5	192.0	25	4800.0
Download	29	Type 1	1.0	2607.0	21	54747.0	Download	29	Type 2	2.8	217.0	26	5642.0



Radar Type 3 - Radar Waveform							Radar Type 4 - Radar Waveform						
	Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)		Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
Download	0	Type 3	8.5	236.0	17	4012.0	Download	0	Type 4	16.5	236.0	15	3540.0
Download	1	Type 3	9.2	330.0	18	5940.0	Download	1	Type 4	18.1	330.0	15	4950.0
Download	2	Type 3	8.9	400.0	18	7200.0	Download	2	Type 4	17.5	400.0	15	6000.0
Download	3	Type 3	7.9	322.0	17	5474.0	Download	3	Type 4	15.3	322.0	14	4508.0
Download	4	Type 3	6.6	447.0	16	7152.0	Download	4	Type 4	12.4	447.0	12	5364.0
Download	5	Type 3	8.9	288.0	18	5184.0	Download	5	Type 4	17.5	288.0	15	4320.0
Download	6	Type 3	6.0	423.0	16	6768.0	Download	6	Type 4	11.2	423.0	12	5076.0
Download	7	Type 3	7.5	494.0	17	8398.0	Download	7	Type 4	14.3	494.0	13	6422.0
Download	8	Type 3	8.9	369.0	18	6642.0	Download	8	Type 4	17.4	369.0	15	5535.0
Download	9	Type 3	7.9	254.0	17	4318.0	Download	9	Type 4	15.3	254.0	14	3656.0
Download	10	Type 3	9.6	424.0	18	7632.0	Download	10	Type 4	19.1	424.0	16	6784.0
Download	11	Type 3	9.1	263.0	18	4734.0	Download	11	Type 4	17.9	263.0	15	3945.0
Download	12	Type 3	9.2	281.0	18	5058.0	Download	12	Type 4	18.1	281.0	15	4215.0
Download	13	Type 3	7.8	250.0	17	4250.0	Download	13	Type 4	15.0	250.0	14	3500.0
Download	14	Type 3	8.9	240.0	18	4320.0	Download	14	Type 4	17.6	240.0	15	3600.0
Download	15	Type 3	8.9	253.0	18	4554.0	Download	15	Type 4	17.6	253.0	15	3795.0
Download	16	Type 3	9.5	500.0	18	9000.0	Download	16	Type 4	18.9	500.0	16	8000.0
Download	17	Type 3	9.7	273.0	18	4914.0	Download	17	Type 4	19.2	273.0	16	4368.0
Download	18	Type 3	7.9	480.0	17	8160.0	Download	18	Type 4	15.3	480.0	14	6720.0
Download	19	Type 3	9.5	264.0	18	4752.0	Download	19	Type 4	18.7	264.0	16	4224.0
Download	20	Type 3	7.6	256.0	17	4352.0	Download	20	Type 4	14.6	256.0	14	3584.0
Download	21	Type 3	6.9	341.0	16	5456.0	Download	21	Type 4	13.1	341.0	13	4433.0
Download	22	Type 3	7.3	257.0	16	4112.0	Download	22	Type 4	13.9	257.0	13	3341.0
Download	23	Type 3	7.0	489.0	16	7824.0	Download	23	Type 4	13.3	489.0	13	6357.0
Download	24	Type 3	6.6	477.0	16	7632.0	Download	24	Type 4	12.4	477.0	12	5724.0
Download	25	Type 3	7.1	404.0	16	6464.0	Download	25	Type 4	13.4	404.0	13	5252.0
Download	26	Type 3	7.3	472.0	17	8024.0	Download	26	Type 4	14.0	472.0	13	6136.0
Download	27	Type 3	9.3	314.0	18	5652.0	Download	27	Type 4	18.5	314.0	16	5024.0
Download	28	Type 3	7.5	420.0	17	7140.0	Download	28	Type 4	14.4	420.0	13	5460.0
Download	29	Type 3	7.8	429.0	17	7293.0	Download	29	Type 4	15.1	429.0	14	6006.0

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	5496.4	1
1	5530	1	16	5497.2	1
2	5530	1	17	5497.6	0
3	5530	1	18	5494.8	1
4	5530	0	19	5497.2	1
5	5530	1	20	5565.6	1
6	5530	1	21	5566.8	1
7	5530	0	22	5566	1
8	5530	1	23	5566.4	1
9	5530	0	24	5567.2	0
10	5497.6	1	25	5566.4	1
11	5496.8	1	26	5566	1
12	5496.8	1	27	5562.8	1
13	5494.8	1	28	5565.6	1
14	5496.4	1	29	5565.2	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)
681636.0	80.6	14	2	1786.0	1088.0	-
77691.0	89.1	14	3	1206.0	1354.0	1825.0
270430.0	86.0	14	3	1874.0	1839.0	1326.0
464233.0	74.1	14	2	1495.0	1828.0	-
658647.0	57.7	14	1	1876.0	-	-
53927.0	86.1	14	3	1533.0	1295.0	1486.0
247769.0	51.2	14	1	1534.0	-	-
440841.0	68.7	14	2	1061.0	1525.0	-
633005.0	85.6	14	3	1178.0	1907.0	1051.0
30188.0	74.2	14	2	1550.0	1940.0	-
223177.0	94.6	14	3	1260.0	1809.0	1099.0
416164.0	88.0	14	3	1613.0	1357.0	1248.0
608785.0	89.3	14	3	1932.0	1256.0	1528.0
6397.0	72.0	14	2	1571.0	1342.0	-
199431.0	86.5	14	3	1417.0	1269.0	1364.0

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)
326246.0	86.4	17	3	1318.0	1934.0	1778.0
487846.0	93.5	17	3	1125.0	1213.0	1152.0
648668.0	95.6	17	3	1150.0	1033.0	1327.0
146398.0	73.9	17	2	1879.0	1402.0	-
306777.0	92.7	17	3	1654.0	1037.0	1698.0
467902.0	70.2	17	2	1848.0	1830.0	-
630858.0	61.6	17	1	1399.0	-	-
126966.0	66.2	17	1	1255.0	-	-
288259.0	62.7	17	1	1465.0	-	-
449556.0	58.0	17	1	1517.0	-	-
610838.0	63.6	17	1	1558.0	-	-
106823.0	66.7	17	2	1331.0	1565.0	-
266750.0	91.5	17	3	1601.0	1964.0	1955.0
428830.0	69.1	17	2	1322.0	1518.0	-
589771.0	72.6	17	2	1699.0	1207.0	-
87062.0	74.7	17	2	1246.0	1129.0	-
247359.0	95.0	17	3	1928.0	1590.0	1039.0
409432.0	68.9	17	2	1110.0	1027.0	-

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)
605229.0	54.4	16	1	1025.0	-	-
70926.0	92.5	16	3	1741.0	1480.0	1711.0
241084.0	95.9	16	3	1132.0	1857.0	1491.0
411963.0	72.9	16	2	1274.0	1899.0	-
582818.0	76.5	16	2	1441.0	1218.0	-
50139.0	82.6	16	2	1063.0	1722.0	-
221061.0	66.6	16	1	1514.0	-	-
391231.0	71.2	16	2	1569.0	1135.0	-
561402.0	81.9	16	2	1589.0	1580.0	-
29123.0	77.8	16	2	1687.0	1365.0	-
200044.0	51.4	16	1	1425.0	-	-
369873.0	80.7	16	2	1810.0	1560.0	-
539032.0	99.0	16	3	1705.0	1846.0	1408.0
8121.0	81.7	16	2	1910.0	1624.0	-
179079.0	59.1	16	1	1108.0	-	-
350033.0	52.9	16	1	1060.0	-	-
519286.0	81.6	16	2	1720.0	1625.0	-

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)
837465.0	87.6	12	3	1230.0	1726.0	1100.0
191092.0	97.5	12	3	1232.0	1686.0	1970.0
398673.0	70.8	12	2	1943.0	1056.0	-
605949.0	76.8	12	2	1753.0	1077.0	-
811408.0	96.0	12	3	1734.0	1144.0	1779.0
165954.0	69.0	12	2	1870.0	1359.0	-
373196.0	72.8	12	2	1455.0	1452.0	-
580008.0	73.3	12	2	1532.0	1915.0	-
788459.0	66.1	12	1	1925.0	-	-
140344.0	94.1	12	3	1151.0	1396.0	1288.0
347522.0	69.3	12	2	1702.0	1583.0	-
555670.0	59.7	12	1	1652.0	-	-
759919.0	99.6	12	3	1791.0	1764.0	1723.0
115154.0	62.9	12	1	1595.0	-	-

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)
450551.0	99.5	7	3	1835.0	1998.0	1477.0
740539.0	99.6	7	3	1905.0	1156.0	1865.0
1032041.0	69.1	7	2	1577.0	1424.0	-
125231.0	84.8	7	3	1369.0	1057.0	1736.0
415453.0	79.6	7	2	1973.0	1631.0	-
705203.0	90.6	7	3	1040.0	1655.0	1610.0
997713.0	63.4	7	1	1283.0	-	-
89594.0	67.0	7	2	1570.0	1410.0	-
380421.0	63.0	7	1	1367.0	-	-
671220.0	57.3	7	1	1202.0	-	-

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)
564435.0	71.4	16	2	1089.0	1398.0	-
31540.0	88.4	16	3	1521.0	1529.0	1544.0
201834.0	83.8	16	3	1267.0	1242.0	1356.0
373540.0	64.8	16	1	1139.0	-	-
543531.0	82.0	16	2	1311.0	1034.0	-
10634.0	59.0	16	1	1646.0	-	-
180905.0	82.0	16	2	1892.0	1805.0	-
352281.0	57.6	16	1	1549.0	-	-
521180.0	88.5	16	3	1922.0	1018.0	1200.0
690403.0	87.6	16	3	1868.0	1670.0	1588.0
159858.0	85.1	16	3	1071.0	1543.0	1387.0
330772.0	77.3	16	2	1389.0	1154.0	-
500761.0	74.1	16	2	1535.0	1841.0	-
669971.0	92.2	16	3	1773.0	1067.0	1760.0
139416.0	58.4	16	1	1344.0	-	-
309808.0	73.4	16	2	1301.0	1133.0	-
479913.0	73.1	16	2	1355.0	1817.0	-

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)
1384645.0	99.7	5	3	1380.0	1085.0	1391.0
251701.0	60.4	5	1	1850.0	-	-
614010.0	88.6	5	3	1649.0	1628.0	1103.0
977253.0	97.4	5	3	1314.0	1079.0	1210.0
1342059.0	61.4	5	1	1501.0	-	-
206719.0	82.4	5	2	1666.0	1812.0	-
570349.0	64.8	5	1	1703.0	-	-
933555.0	51.9	5	1	1988.0	-	-

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)
863587.0	81.2	10	2	1131.0	1341.0	-
107945.0	79.9	10	2	1074.0	1829.0	-
349377.0	97.0	10	3	1046.0	1448.0	1536.0
591477.0	79.5	10	2	1372.0	1738.0	-
834534.0	62.4	10	1	1578.0	-	-
78143.0	68.1	10	2	1719.0	1358.0	-
320145.0	70.5	10	2	1098.0	1304.0	-
561044.0	84.5	10	3	1593.0	1450.0	1223.0
805054.0	63.5	10	1	1147.0	-	-
48425.0	55.3	10	1	1761.0	-	-
290667.0	57.6	10	1	1286.0	-	-
531755.0	85.2	10	3	1093.0	1014.0	1300.0

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)
546722.0	58.0	16	1	1439.0	-	-
13066.0	91.3	16	3	1864.0	1239.0	1656.0
183844.0	57.1	16	1	1950.0	-	-
354598.0	62.1	16	1	1896.0	-	-
525770.0	61.6	16	1	1315.0	-	-
694784.0	71.3	16	2	1978.0	1224.0	-
162866.0	62.0	16	1	1729.0	-	-
333250.0	77.8	16	2	1306.0	1258.0	-
503722.0	72.1	16	2	1598.0	1113.0	-
673989.0	75.4	16	2	1196.0	1801.0	-
141530.0	77.0	16	2	1976.0	1244.0	-
312184.0	76.3	16	2	1073.0	1615.0	-
483826.0	56.2	16	1	1092.0	-	-
652746.0	67.5	16	2	1651.0	1609.0	-
120778.0	63.7	16	1	1819.0	-	-
291491.0	56.6	16	1	1927.0	-	-
461701.0	74.5	16	2	1386.0	1335.0	-

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)
769707.0	59.9	12	1	1094.0	-	-
121193.0	60.0	12	1	1684.0	-	-
328679.0	55.9	12	1	1657.0	-	-
535400.0	68.9	12	2	1635.0	1237.0	-
743472.0	62.8	12	1	1854.0	-	-
95657.0	50.8	12	1	1505.0	-	-
302407.0	79.1	12	2	1921.0	1754.0	-
508666.0	85.0	12	3	1718.0	1519.0	1667.0
716400.0	78.2	12	2	1997.0	1669.0	-
69984.0	76.1	12	2	1379.0	1481.0	-
276973.0	69.4	12	2	1499.0	1984.0	-
484858.0	64.5	12	1	1991.0	-	-
690434.0	92.8	12	3	1838.0	1123.0	1285.0
44529.0	60.6	12	1	1594.0	-	-

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)
184686.0	86.8	19	3	1126.0	1740.0	1763.0
338201.0	50.8	19	1	1912.0	-	-
489768.0	88.2	19	3	1058.0	1146.0	1179.0
13961.0	65.0	19	1	1933.0	-	-
166910.0	58.3	19	1	1028.0	-	-
319572.0	53.2	19	1	1553.0	-	-
471653.0	76.4	19	2	1005.0	1508.0	-
623238.0	85.8	19	3	1015.0	1434.0	1055.0
147177.0	90.2	19	3	1750.0	1096.0	1993.0
300192.0	70.3	19	2	1606.0	1116.0	-
451192.0	87.1	19	3	1382.0	1889.0	1559.0
605289.0	79.8	19	2	1377.0	1281.0	-
129130.0	55.7	19	1	1541.0	-	-
281733.0	52.9	19	1	1990.0	-	-
433268.0	70.7	19	2	1845.0	1827.0	-
586016.0	73.2	19	2	1759.0	1418.0	-
109655.0	94.9	19	3	1803.0	1510.0	1956.0
262984.0	54.4	19	1	1847.0	-	-
415918.0	63.9	19	1	1538.0	-	-

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)
636117.0	60.0	17	1	1181.0	-	-
102211.0	53.6	17	1	1987.0	-	-
272082.0	95.4	17	3	1280.0	1176.0	1712.0
443927.0	51.7	17	1	1539.0	-	-
614574.0	66.3	17	1	1743.0	-	-
80810.0	95.3	17	3	1900.0	1766.0	1545.0
250857.0	90.5	17	3	1794.0	1685.0	1420.0
422011.0	78.0	17	2	1020.0	1974.0	-
592633.0	77.1	17	2	1403.0	1415.0	-
59890.0	83.4	17	3	1936.0	1511.0	1623.0
230144.0	95.3	17	3	1483.0	1271.0	1449.0
399911.0	92.7	17	3	1414.0	1650.0	1862.0
572322.0	63.2	17	1	1965.0	-	-
39048.0	79.4	17	2	1840.0	1540.0	-
209922.0	64.8	17	1	1721.0	-	-
379322.0	90.2	17	3	1180.0	1834.0	1262.0
550587.0	75.5	17	2	1789.0	1078.0	-

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)
17076.0	68.0	17	2	1013.0	1462.0	-
178335.0	52.4	17	1	1837.0	-	-
339944.0	55.3	17	1	1118.0	-	-
501268.0	53.3	17	1	1241.0	-	-
659104.0	98.1	17	3	1696.0	1918.0	1193.0
158169.0	74.2	17	2	1484.0	1629.0	-
318787.0	69.8	17	2	1938.0	1831.0	-
478789.0	85.7	17	3	1878.0	1522.0	1435.0
641365.0	81.9	17	2	1238.0	1463.0	-
138430.0	83.0	17	2	1706.0	1007.0	-
298428.0	95.1	17	3	1642.0	1911.0	1446.0
460539.0	76.2	17	2	1436.0	1205.0	-
622359.0	64.3	17	1	1815.0	-	-
118767.0	54.9	17	1	1744.0	-	-
279386.0	81.2	17	2	1821.0	1457.0	-
441177.0	64.9	17	1	1924.0	-	-
602921.0	50.6	17	1	1347.0	-	-
98611.0	82.8	17	2	1776.0	1935.0	-

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)
360697.0	56.9	12	1	1227.0	-	-
581687.0	91.5	12	3	1852.0	1904.0	1554.0
804935.0	99.2	12	3	1225.0	1433.0	1898.0
109440.0	71.9	12	2	1252.0	1153.0	-
332383.0	69.7	12	2	1564.0	1806.0	-
555612.0	67.9	12	2	1957.0	1130.0	-
778883.0	75.3	12	2	1368.0	1548.0	-
81784.0	99.4	12	3	1556.0	1194.0	1361.0
305523.0	52.3	12	1	1513.0	-	-
526693.0	95.0	12	3	1893.0	1942.0	1751.0
751172.0	77.7	12	2	1732.0	1456.0	-
54396.0	73.8	12	2	1080.0	1920.0	-
277889.0	50.4	12	1	1855.0	-	-

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)
381697.0	90.9	16	3	1709.0	1102.0	1661.0
554357.0	62.7	16	1	1235.0	-	-
20518.0	95.3	16	3	1330.0	1212.0	1796.0
191338.0	55.2	16	1	1861.0	-	-
360508.0	92.4	16	3	1370.0	1557.0	2000.0
530981.0	99.1	16	3	1284.0	1072.0	1951.0
703803.0	60.6	16	1	1638.0	-	-
170481.0	62.0	16	1	1137.0	-	-
340433.0	79.4	16	2	1404.0	1737.0	-
511109.0	75.5	16	2	1136.0	1676.0	-
682522.0	66.0	16	1	1888.0	-	-
148758.0	84.4	16	3	1140.0	1802.0	1350.0
320357.0	62.2	16	1	1121.0	-	-
488991.0	95.4	16	3	1199.0	1873.0	1339.0
661471.0	51.7	16	1	1909.0	-	-
128255.0	62.7	16	1	1783.0	-	-
298434.0	78.5	16	2	1524.0	1643.0	-

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)
469709.0	64.0	16	1	1901.0	-	-
638786.0	77.7	16	2	1952.0	1775.0	-
107203.0	62.6	16	1	1903.0	-	-
276720.0	96.6	16	3	1660.0	1406.0	1926.0
448648.0	57.8	16	1	1948.0	-	-
616915.0	98.7	16	3	1963.0	1337.0	1444.0
86096.0	76.4	16	2	1458.0	1064.0	-
256257.0	96.1	16	3	1003.0	1574.0	1112.0
426836.0	82.7	16	2	1619.0	1618.0	-
596509.0	87.5	16	3	1009.0	1385.0	1714.0
65058.0	78.0	16	2	1429.0	1373.0	-
234882.0	98.7	16	3	1653.0	1692.0	1531.0
405827.0	71.9	16	2	1552.0	1715.0	-
576322.0	74.9	16	2	1968.0	1192.0	-
44145.0	58.0	16	1	1334.0	-	-
215107.0	58.1	16	1	1053.0	-	-
384798.0	82.5	16	2	1816.0	1523.0	-

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)
498103.0	54.2	18	1	1270.0	-	-
20671.0	63.4	18	1	1052.0	-	-
172929.0	69.1	18	2	1824.0	1641.0	-
325090.0	99.8	18	3	1597.0	1104.0	1105.0
477310.0	88.8	18	3	1290.0	1427.0	1134.0
1834.0	65.9	18	1	1332.0	-	-
153836.0	90.0	18	3	1931.0	1466.0	1407.0
306950.0	70.8	18	2	1035.0	1512.0	-
458704.0	77.6	18	2	1808.0	1843.0	-
613275.0	66.0	18	1	1309.0	-	-
135374.0	83.1	18	2	1833.0	1756.0	-
287277.0	87.6	18	3	1397.0	1665.0	1409.0
441705.0	57.5	18	1	1138.0	-	-
592560.0	72.5	18	2	1394.0	1914.0	-
116735.0	73.6	18	2	1124.0	1804.0	-
268745.0	86.6	18	3	1627.0	1091.0	1279.0
421557.0	73.9	18	2	1568.0	1530.0	-
574045.0	80.9	18	2	1982.0	1048.0	-
97785.0	100.0	18	3	1324.0	1527.0	1168.0

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)
251190.0	61.1	19	1	1002.0	-	-
403489.0	53.9	19	1	1994.0	-	-
554662.0	83.0	19	2	1749.0	1967.0	-
79384.0	64.1	19	1	1266.0	-	-
231702.0	68.9	19	2	1164.0	1600.0	-
385285.0	59.1	19	1	1004.0	-	-
538039.0	59.7	19	1	1216.0	-	-
60533.0	61.5	19	1	1476.0	-	-
212969.0	82.6	19	2	1191.0	1421.0	-
366025.0	63.3	19	1	1730.0	-	-
519288.0	57.4	19	1	1117.0	-	-
41716.0	50.6	19	1	1371.0	-	-
194499.0	58.0	19	1	1575.0	-	-
346076.0	76.2	19	2	1917.0	1869.0	-
498863.0	79.8	19	2	1999.0	1122.0	-
22745.0	91.2	19	3	1946.0	1977.0	1416.0
174847.0	88.3	19	3	1793.0	1659.0	1101.0
326647.0	93.7	19	3	1440.0	1708.0	1930.0
480555.0	78.7	19	2	1265.0	1245.0	-

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)
5502.0	75.3	12	2	1856.0	1774.0	-
213105.0	61.7	12	1	1220.0	-	-
420003.0	72.6	12	2	1469.0	1157.0	-
626711.0	75.8	12	2	1437.0	1923.0	-
834841.0	80.3	12	2	1159.0	1115.0	-
187200.0	82.6	12	2	1222.0	1526.0	-
393741.0	93.3	12	3	1012.0	1496.0	1707.0
602855.0	58.5	12	1	1016.0	-	-
808148.0	75.2	12	2	1877.0	1616.0	-
161992.0	65.0	12	1	1076.0	-	-
369557.0	54.4	12	1	1211.0	-	-
577269.0	62.0	12	1	1031.0	-	-
782232.0	98.1	12	3	1617.0	1142.0	1185.0
136032.0	94.0	12	3	1111.0	1297.0	1090.0

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)
253064.0	58.0	18	1	1887.0	-	-
404145.0	97.1	18	3	1674.0	1599.0	1158.0
558253.0	78.6	18	2	1160.0	1011.0	-
81335.0	71.2	18	2	1781.0	1633.0	-
233456.0	99.4	18	3	1162.0	1489.0	1378.0
387283.0	50.2	18	1	1383.0	-	-
537638.0	90.7	18	3	1497.0	1209.0	1579.0
62610.0	79.1	18	2	1107.0	1897.0	-
215431.0	54.4	18	1	1916.0	-	-
368538.0	57.3	18	1	1243.0	-	-
520962.0	57.4	18	1	1790.0	-	-
43847.0	70.1	18	2	1771.0	1017.0	-
196880.0	65.4	18	1	1086.0	-	-
348973.0	75.1	18	2	1075.0	1490.0	-
502398.0	61.3	18	1	1475.0	-	-
25054.0	77.7	18	2	1504.0	1492.0	-
177636.0	81.4	18	2	1030.0	1500.0	-
329086.0	85.3	18	3	1603.0	1945.0	1106.0
480597.0	93.0	18	3	1426.0	1975.0	1953.0

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)
9171.0	95.2	11	3	1393.0	1673.0	1366.0
232771.0	55.6	11	1	1263.0	-	-
454614.0	88.2	11	3	1195.0	1731.0	1823.0
677477.0	88.5	11	3	1826.0	1668.0	1066.0
901510.0	78.1	11	2	1493.0	1777.0	-
205262.0	52.7	11	1	1128.0	-	-
428001.0	81.5	11	2	1215.0	1769.0	-
650875.0	75.6	11	2	1630.0	1746.0	-
875607.0	50.5	11	1	1612.0	-	-
177155.0	84.5	11	3	1884.0	1045.0	1127.0
400295.0	96.6	11	3	1010.0	1272.0	1203.0
623369.0	78.2	11	2	1704.0	1717.0	-
848144.0	51.2	11	1	1542.0	-	-

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)
177379.0	59.4	8	1	1966.0	-	-
441854.0	56.7	8	1	1049.0	-	-
703333.0	100.0	8	3	1992.0	1567.0	1883.0
968743.0	79.2	8	2	1844.0	1184.0	-
144887.0	51.1	8	1	1672.0	-	-
408753.0	69.9	8	2	1405.0	1087.0	-
671393.0	89.0	8	3	1636.0	1069.0	1949.0
935903.0	93.5	8	3	1022.0	1197.0	1204.0
112001.0	88.1	8	3	1969.0	1412.0	1644.0
375582.0	96.2	8	3	1614.0	1148.0	1626.0
640718.0	57.3	8	1	1634.0	-	-

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)
829216.0	65.2	10	1	1832.0	-	-
73031.0	68.3	10	2	1442.0	1787.0	-
315421.0	60.1	10	1	1198.0	-	-
556663.0	67.2	10	2	1343.0	1645.0	-
798666.0	68.2	10	2	1470.0	1273.0	-
43211.0	97.2	10	3	1228.0	1400.0	1576.0
284648.0	97.6	10	3	1390.0	1620.0	1459.0
526110.0	83.6	10	3	1374.0	1161.0	1906.0
768085.0	69.1	10	2	2000.0	1765.0	-
13484.0	69.1	10	2	1351.0	1292.0	-
255562.0	52.8	10	1	1908.0	-	-
496530.0	88.3	10	3	1321.0	1700.0	1097.0

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)
806441.0	69.9	9	2	1503.0	1259.0	-
1071770.0	58.6	9	1	1320.0	-	-
246440.0	50.4	9	1	1317.0	-	-
509643.0	68.5	9	2	1679.0	1895.0	-
773313.0	67.8	9	2	1958.0	1677.0	-
1037473.0	74.6	9	2	1811.0	1340.0	-
213282.0	90.1	9	3	1585.0	1282.0	1546.0
476727.0	94.7	9	3	1851.0	1413.0	1296.0
742419.0	57.9	9	1	1305.0	-	-
1005598.0	79.2	9	2	1083.0	1395.0	-
181368.0	56.1	9	1	1141.0	-	-

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)
490334.0	60.7	7	1	1019.0	-	-
780732.0	58.6	7	1	1622.0	-	-
1070467.0	75.1	7	2	1422.0	1217.0	-
163395.0	82.2	7	2	1573.0	1859.0	-
453803.0	76.6	7	2	1038.0	1860.0	-
745032.0	61.4	7	1	1461.0	-	-
1032637.0	96.4	7	3	1621.0	1423.0	1980.0
127548.0	99.5	7	3	1214.0	1561.0	1605.0
418599.0	57.1	7	1	1298.0	-	-
709027.0	59.4	7	1	1798.0	-	-

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)
907213.0	80.9	9	2	1792.0	1689.0	-
83565.0	73.2	9	2	1208.0	1691.0	-
347973.0	59.8	9	1	1234.0	-	-
610555.0	92.7	9	3	1294.0	1062.0	1902.0
876176.0	64.2	9	1	1680.0	-	-
51117.0	57.3	9	1	1697.0	-	-
315231.0	53.3	9	1	1886.0	-	-
577996.0	87.0	9	3	1506.0	1890.0	1042.0
844162.0	62.9	9	1	1000.0	-	-
18587.0	59.1	9	1	1169.0	-	-
282321.0	82.2	9	2	1586.0	1748.0	-
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)
501491.0	56.6	10	1	1250.0	-	-
742296.0	68.4	10	2	1695.0	1467.0	-
983793.0	80.1	10	2	1479.0	1954.0	-
228955.0	70.6	10	2	1995.0	1307.0	-
471590.0	50.6	10	1	1388.0	-	-
713537.0	51.4	10	1	1733.0	-	-
954453.0	71.1	10	2	1762.0	1221.0	-
199307.0	68.8	10	2	1349.0	1312.0	-
440351.0	98.1	10	3	1788.0	1768.0	1008.0
683683.0	51.5	10	1	1780.0	-	-
923392.0	99.5	10	3	1177.0	1453.0	1727.0
169284.0	86.1	10	3	1277.0	1054.0	1675.0

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)
274558.0	62.1	18	1	1065.0	-	-
433539.0	99.5	18	3	1820.0	1637.0	1346.0
597309.0	58.6	18	1	1186.0	-	-
92666.0	93.1	18	3	1891.0	1509.0	1797.0
254612.0	65.0	18	1	1226.0	-	-
415180.0	70.9	18	2	1447.0	1095.0	-
575347.0	72.1	18	2	1842.0	1742.0	-
73238.0	72.8	18	2	1068.0	1109.0	-
234234.0	69.6	18	2	1596.0	1043.0	-
394399.0	95.8	18	3	1336.0	1375.0	1411.0
556525.0	78.8	18	2	1145.0	1261.0	-
53183.0	89.1	18	3	1566.0	1454.0	1683.0
213836.0	85.4	18	3	1319.0	1694.0	1363.0
374836.0	90.7	18	3	1278.0	1036.0	1401.0
535789.0	75.8	18	2	1710.0	1800.0	-
33582.0	53.5	18	1	1249.0	-	-
194325.0	67.2	18	2	1681.0	1758.0	-
354910.0	86.7	18	3	1155.0	1175.0	1611.0

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)
777060.0	57.7	11	1	1287.0	-	-
20502.0	95.0	11	3	1171.0	1941.0	1289.0
262144.0	70.0	11	2	1739.0	1989.0	-
504030.0	74.0	11	2	1231.0	1985.0	-
747251.0	54.1	11	1	1253.0	-	-
985742.0	90.3	11	3	1713.0	1836.0	1474.0
232216.0	95.1	11	3	1240.0	1537.0	1658.0
474891.0	61.6	11	1	1872.0	-	-
715755.0	75.9	11	2	1807.0	1755.0	-
959508.0	60.0	11	1	1392.0	-	-
202651.0	75.2	11	2	1770.0	1795.0	-
444436.0	80.7	11	2	1919.0	1381.0	-

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)	
634436.0	59.1	12	1	1520.0	-	-	
858098.0	57.9	12	1	1352.0	-	-	
159654.0	81.5	12	2	1229.0	1662.0	-	
382556.0	87.1	12	3	1190.0	1183.0	1172.0	
604951.0	97.7	12	3	1688.0	1236.0	1563.0	
827464.0	93.2	12	3	1986.0	1632.0	1173.0	
132406.0	55.6	12	1	1201.0	-	-	
355776.0	64.2	12	1	1757.0	-	-	
577408.0	88.4	12	3	1316.0	1640.0	1690.0	
802579.0	66.0	12	1	1866.0	-	-	
104441.0	90.8	12	3	1701.0	1472.0	1767.0	
327186.0	86.4	12	3	1502.0	1913.0	1333.0	
552135.0	62.6	12	1	1032.0	-	-	



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	5516	5455	5350	5601	5325
5	5408	5533	5255	5431	5518
10	5293	5257	5366	5334	5432
15	5624	5437	5329	5589	5280
20	5292	5278	5287	5480	5540
25	5493	5515	5393	5512	5306
30	5577	5382	5538	5423	5622
35	5718	5626	5554	5263	5500
40	5451	5703	5503	5324	5469
45	5425	5285	5606	5276	5510
50	5517	5488	5418	5595	5311
55	5654	5618	5487	5565	5640
60	5559	5600	5553	5258	5632
65	5631	5407	5428	5267	5602
70	5561	5599	5384	5700	5649
75	5434	5578	5522	5551	5694
80	5368	5660	5454	5470	5319
85	5283	5501	5294	5585	5714
90	5628	5593	5629	5659	5519
95	5603	5716	5710	5582	5343

Type 6 Radar Waveform_1

Frequency List (MHz)	0	1	2	3	4
0	5296	5694	5286	5287	5642
5	5450	5555	5330	5594	5250
10	5602	5521	5407	5529	5453
15	5712	5467	5335	5634	5472
20	5300	5444	5703	5569	5513
25	5381	5464	5499	5616	5550
30	5348	5466	5339	5278	5575
35	5345	5382	5371	5422	5707
40	5652	5351	5583	5389	5468
45	5500	5631	5520	5552	5483
50	5338	5396	5627	5686	5568
55	5577	5716	5539	5608	5333
60	5306	5439	5294	5724	5432
65	5379	5679	5358	5580	5443
70	5260	5545	5674	5586	5661
75	5448	5360	5475	5669	5480
80	5559	5299	5532	5723	5451
85	5665	5636	5721	5693	5637
90	5487	5710	5318	5599	5566
95	5541	5628	5620	5322	5488

Type 6 Radar Waveform_2

Frequency List (MHz)	0	1	2	3	4
0	5454	5458	5697	5448	5387
5	5492	5577	5405	5660	5554
10	5533	5310	5724	5474	5703
15	5594	5438	5582	5664	5686
20	5513	5266	5561	5486	5647
25	5316	5702	5342	5584	5487
30	5355	5296	5493	5349	5640
35	5424	5462	5693	5482	5663
40	5665	5288	5327	5611	5497
45	5560	5500	5635	5444	5294
50	5283	5503	5619	5539	5386
55	5687	5465	5523	5600	5410
60	5423	5414	5428	5361	5302
65	5625	5656	5529	5382	5470
70	5447	5348	5368	5572	5675
75	5336	5434	5541	5317	5623
80	5540	5551	5674	5256	5696
85	5408	5385	5597	5478	5684
90	5313	5602	5590	5260	5530
95	5483	5605	5326	5259	5538

Type 6 Radar Waveform_3

Frequency List (MHz)	0	1	2	3	4
0	5709	5697	5633	5609	5704
5	5631	5502	5480	5348	5286
10	5464	5574	5489	5347	5495
15	5316	5721	5541	5627	5381
20	5694	5679	5682	5650	5459
25	5535	5643	5430	5446	5618
30	5529	5341	5253	5708	5501
35	5363	5563	5586	5635	5577
40	5601	5371	5265	5376	5494
45	5340	5548	5282	5670	5377
50	5330	5400	5419	5713	5322
55	5552	5579	5373	5668	5603
60	5382	5478	5418	5302	5339
65	5440	5655	5289	5524	5312
70	5393	5510	5437	5669	5521
75	5706	5309	5512	5385	5471
80	5580	5500	5417	5269	5505
85	5470	5641	5508	5648	5611
90	5634	5683	5274	5276	5593
95	5290	5284	5544	5323	5531

Type 6 Radar Waveform_4

Frequency List (MHz)	0	1	2	3	4
0	5489	5461	5569	5673	5449
5	5524	5555	5511	5493	5298
10	5460	5530	5542	5516	5404
15	5373	5644	5672	5573	5702
20	5273	5623	5642	5432	5326
25	5592	5633	5550	5652	5571
30	5705	5685	5351	5275	5658
35	5266	5382	5313	5491	5440
40	5454	5678	5616	5321	5423
45	5560	5400	5435	5264	5721
50	5466	5563	5588	5428	5255
55	5681	5269	5415	5500	5429
60	5614	5583	5427	5512	5609
65	5332	5641	5292	5288	5352
70	5479	5557	5337	5502	5483
75	5419	5293	5452	5534	5345
80	5300	5259	5707	5697	5595
85	5281	5548	5338	5617	5565
90	5383	5648	5371	5657	5459
95	5647	5618	5626	5368	5674

Type 6 Radar Waveform_5

Frequency List (MHz)	0	1	2	3	4
0	5269	5700	5505	5359	5291
5	5715	5449	5630	5674	5322
10	5704	5724	5571	5262	5537
15	5492	5500	5272	5717	5290
20	5613	5439	5661	5256	5405
25	5689	5444	5361	5654	5686
30	5710	5594	5642	5566	5427
35	5381	5366	5357	5653	5563
40	5502	5279	5616	5488	5250
45	5440	5506	5521	5453	5509
50	5297	5555	5386	5596	5679
55	5327	5435	5701	5713	5434
60	5360	5332	5352	5560	5406
65	5376	5393	5344	5404	5610
70	5681	5627	5295	5697	5311
75	5351	5677	5480	5483	5260
80	5432	5549	5597	5342	5592
85	5403	5673	5292	5317	5303
90	5646	5529	5271	5503	5720
95	5605	5350	5395	5310	5703

Type 6 Radar Waveform_6

Frequency List (MHz)	0	1	2	3	4
0	5524	5464	5441	5520	5511
5	5282	5471	5705	5265	5529
10	5538	5513	5612	5457	5558
15	5483	5530	5278	5665	5482
20	5621	5605	5602	5723	5378
25	5577	5393	5467	5380	5720
30	5277	5580	5599	5306	5676
35	5408	5448	5546	5716	5416
40	5593	5717	5554	5582	5557
45	5323	5589	5579	5506	5587
50	5288	5616	5348	5644	5684
55	5443	5392	5281	5711	5254
60	5672	5367	5305	5639	5653
65	5603	5607	5325	5429	5296
70	5413	5613	5395	5618	5270
75	5320	5700	5526	5512	5542
80	5330	5339	5312	5515	5255
85	5509	5268	5600	5302	5566
90	5668	5251	5707	5504	5327
95	5283	5453	5539	5719	5499

Type 6 Radar Waveform_7

Frequency List (MHz)	0	1	2	3	4
0	5682	5703	5377	5681	5353
5	5421	5396	5305	5428	5261
10	5469	5302	5275	5652	5579
15	5571	5657	5381	5710	5296
20	5629	5674	5543	5337	5351
25	5368	5720	5670	5484	5279
30	5319	5556	5521	5496	5547
35	5539	5342	5394	5330	5432
40	5325	5492	5289	5486	5303
45	5672	5637	5559	5639	5317
50	5399	5355	5410	5387	5580
55	5426	5451	5643	5250	5568
60	5479	5549	5430	5274	5386
65	5566	5691	5447	5696	5398
70	5298	5594	5704	5667	5345
75	5669	5542	5555	5586	5336
80	5507	5306	5357	5315	5701
85	5611	5554	5550	5358	5257
90	5576	5613	5441	5338	5420
95	5677	5481	5359	5339	5711

Type 6 Radar Waveform_8

Frequency List (MHz)	0	1	2	3	4
0	5462	5467	5313	5367	5573
5	5463	5418	5380	5591	5565
10	5400	5566	5316	5275	5600
15	5659	5309	5484	5280	5488
20	5540	5365	5581	5329	5324
25	5256	5572	5398	5588	5361
30	5455	5513	5639	5602	5694
35	5686	5630	5613	5644	5341
40	5368	5408	5333	5529	5576
45	5415	5283	5598	5515	5642
50	5493	5450	5444	5708	5709
55	5293	5664	5616	5270	5517
60	5625	5454	5292	5402	5495
65	5631	5320	5404	5596	5458
70	5494	5519	5682	5498	5622
75	5570	5663	5636	5465	5715
80	5523	5665	5536	5702	5684
85	5296	5278	5321	5605	5701
90	5584	5263	5374	5393	5346
95	5656	5487	5557	5337	5545

Type 6 Radar Waveform_9

Frequency List (MHz)	0	1	2	3	4
0	5717	5706	5724	5528	5415
5	5505	5343	5455	5279	5297
10	5709	5355	5357	5470	5621
15	5272	5436	5587	5325	5680
20	5548	5434	5522	5418	5394
25	5521	5601	5692	5347	5500
30	5344	5379	5514	5253	5409
35	5322	5255	5682	5491	5271
40	5672	5573	5722	5263	5363
45	5656	5568	5529	5391	5669
50	5501	5533	5531	5653	5481
55	5618	5331	5564	5488	5619
60	5712	5707	5703	5538	5454
65	5269	5440	5426	5675	5688
70	5668	5471	5546	5622	5508
75	5585	5383	5504	5696	5300
80	5623	5700	5708	5422	5613
85	5338	5513	5444	5559	5474
90	5307	5366	5547	5256	5259
95	5475	5448	5388	5719	5590

Type 6 Radar Waveform_10

Frequency List (MHz)	0	1	2	3	4
0	5497	5470	5660	5689	5635
5	5547	5365	5530	5345	5504
10	5640	5716	5398	5665	5642
15	5263	5563	5690	5273	5397
20	5556	5600	5463	5410	5367
25	5373	5329	5321	5381	5542
30	5708	5427	5594	5528	5712
35	5392	5434	5302	5475	5644
40	5521	5671	5684	5437	5570
45	5651	5718	5446	5714	5621
50	5319	5645	5370	5552	5622
55	5354	5500	5669	5572	5286
60	5459	5311	5309	5657	5539
65	5626	5484	5655	5693	5379
70	5638	5523	5478	5285	5276
75	5601	5320	5522	5581	5477
80	5705	5429	5485	5473	5313
85	5404	5389	5631	5587	5455
90	5301	5608	5409	5610	5722
95	5505	5378	5372	5516	5368

Type 6 Radar Waveform_11

Frequency List (MHz)	0	1	2	3	4
0	5655	5709	5596	5375	5477
5	5686	5290	5605	5508	5711
10	5571	5505	5439	5385	5663
15	5351	5593	5696	5318	5589
20	5467	5669	5501	5499	5340
25	5676	5322	5532	5522	5584
30	5694	5384	5334	5680	5531
35	5525	5573	5250	5360	5279
40	5622	5677	5664	5483	5698
45	5529	5675	5674	5681	5521
50	5546	5603	5333	5555	5444
55	5285	5526	5580	5430	5440
60	5474	5602	5371	5452	5381
65	5642	5415	5470	5281	5454
70	5262	5604	5547	5401	5540
75	5349	5253	5572	5466	5423
80	5660	5553	5702	5434	5490
85	5394	5361	5325	5277	5564
90	5495	5543	5378	5518	5398
95	5380	5606	5558	5453	5515

Type 6 Radar Waveform_12					
Frequency List (MHz)	0	1	2	3	4
0	5435	5570	5532	5439	5697
5	5253	5312	5680	5671	5540
10	5405	5294	5480	5580	5684
15	5720	5324	5363	5306	5475
20	5360	5442	5491	5313	5564
25	5649	5638	5626	5352	5723
30	5583	5341	5452	5454	5255
35	5670	5616	5369	5403	5569
40	5296	5362	5560	5661	5412
45	5581	5612	5258	5252	5471
50	5397	5722	5654	5422	5378
55	5291	5473	5329	5399	5304
60	5639	5644	5300	5278	5376
65	5679	5591	5354	5685	5559
70	5526	5704	5396	5377	5499
75	5318	5373	5618	5447	5502
80	5533	5441	5620	5282	5699
85	5629	5393	5711	5517	5717
90	5615	5268	5523	5708	5384
95	5552	5658	5489	5623	5613

Type 6 Radar Waveform_13

Frequency List (MHz)	0	1	2	3	4
0	5690	5334	5468	5600	5539
5	5295	5712	5280	5359	5272
10	5336	5558	5521	5678	5705
15	5527	5372	5427	5408	5498
20	5483	5429	5383	5580	5286
25	5452	5501	5366	5255	5386
30	5290	5472	5298	5667	5606
35	5550	5707	5262	5556	5610
40	5542	5585	5658	5341	5561
45	5695	5316	5305	5358	5273
50	5326	5511	5676	5710	5661
55	5434	5519	5693	5275	5698
60	5329	5589	5607	5419	5405
65	5540	5390	5512	5577	5362
70	5709	5720	5353	5361	5287
75	5493	5428	5279	5546	5697
80	5309	5442	5696	5349	5393
85	5650	5384	5612	5569	5516
90	5343	5398	5489	5640	5668
95	5421	5311	5260	5694	5715

Type 6 Radar Waveform_14

Frequency List (MHz)	0	1	2	3	4
0	5470	5573	5404	5286	5284
5	5337	5259	5355	5425	5479
10	5645	5347	5562	5398	5251
15	5518	5499	5530	5356	5690
20	5394	5595	5421	5572	5718
25	5450	5569	5359	5420	5332
30	5458	5255	5407	5380	5370
35	5376	5533	5331	5494	5449
40	5625	5436	5350	5655	5648
45	5541	5303	5277	5261	5623
50	5527	5502	5281	5600	5557
55	5374	5291	5709	5415	5721
60	5352	5534	5439	5365	5703
65	5489	5426	5722	5372	5543
70	5292	5317	5710	5329	5320
75	5634	5613	5429	5409	5434
80	5656	5478	5473	5505	5596
85	5544	5296	5492	5550	5620
90	5289	5563	5493	5523	5422
95	5610	5657	5723	5306	5714

Type 6 Radar Waveform_15

Frequency List (MHz)	0	1	2	3	4
0	5250	5337	5340	5447	5601
5	5476	5659	5430	5588	5308
10	5576	5708	5700	5593	5272
15	5606	5626	5633	5401	5504
20	5402	5664	5362	5661	5707
25	5302	5297	5560	5454	5471
30	5347	5687	5622	5532	5568
35	5515	5511	5329	5484	5408
40	5288	5277	5590	5652	5577
45	5521	5386	5335	5314	5510
50	5403	5678	5332	5311	5501
55	5562	5720	5424	5709	5692
60	5384	5271	5328	5429	5438
65	5365	5554	5642	5346	5364
70	5303	5418	5305	5279	5603
75	5636	5475	5390	5686	5291
80	5259	5637	5361	5674	5334
85	5407	5574	5440	5253	5499
90	5460	5682	5719	5486	5679
95	5693	5258	5712	5604	5691

Type 6 Radar Waveform_16					
Frequency List (MHz)	0	1	2	3	4
0	5408	5576	5276	5608	5346
5	5518	5681	5505	5515	5507
10	5497	5266	5313	5293	5694
15	5656	5639	5446	5696	5410
20	5355	5303	5653	5680	5397
25	5251	5500	5664	5488	5513
30	5711	5644	5265	5306	5388
35	5654	5602	5600	5637	5322
40	5316	5690	5271	5409	5501
45	5469	5393	5367	5300	5279
50	5379	5383	5400	5523	5348
55	5275	5674	5614	5528	5566
60	5349	5521	5675	5354	5252
65	5387	5401	5289	5534	5624
70	5533	5338	5645	5281	5713
75	5475	5618	5468	5463	5304
80	5704	5631	5590	5556	5273
85	5370	5616	5286	5625	5688
90	5559	5418	5494	5564	5256
95	5261	5470	5577	5575	5361

Type 6 Radar Waveform_17					
Frequency List (MHz)	0	1	2	3	4
0	5663	5340	5687	5294	5560
5	5606	5580	5439	5722	5341
10	5286	5307	5508	5314	5308
15	5267	5394	5413	5418	5521
20	5719	5653	5285	5578	5293
25	5522	5555	5697	5601	5480
30	5458	5586	5696	5693	5493
35	5412	5333	5538	5496	5628
40	5498	5268	5338	5481	5552
45	5354	5420	5662	5630	5434
50	5489	5346	5292	5463	5329
55	5250	5537	5642	5514	5466
60	5507	5300	5453	5336	5437
65	5596	5427	5605	5275	5438
70	5494	5635	5672	5444	5401
75	5664	5449	5715	5414	5296
80	5393	5316	5587	5276	5577
85	5590	5251	5579	5461	5379
90	5583	5511	5431	5349	5365
95	5330	5551	5475	5554	5464

Type 6 Radar Waveform_18					
Frequency List (MHz)	0	1	2	3	4
0	5443	5579	5623	5455	5408
5	5602	5628	5655	5551	5272
10	5550	5348	5606	5335	5298
15	5435	5370	5439	5605	5329
20	5590	5282	5259	5626	5430
25	5334	5397	5556	5694	5586
30	5558	5695	5707	5406	5360
35	5309	5289	5565	5722	5377
40	5566	5263	5265	5267	5364
45	5635	5412	5473	5452	5409
50	5256	5485	5578	5644	5614
55	5554	5582	5519	5544	5508
60	5296	5679	5411	5339	5475
65	5721	5654	5285	5376	5331
70	5696	5705	5299	5358	5441
75	5343	5611	5631	5316	5521
80	5332	5492	5427	5552	5557
85	5379	5584	5471	5480	5432
90	5393	5428	5594	5630	5709
95	5577	5273	5465	5706	5474

Type 6 Radar Waveform_19					
Frequency List (MHz)	0	1	2	3	4
0	5698	5343	5559	5519	5250
5	5266	5553	5255	5668	5283
10	5678	5339	5389	5326	5356
15	5386	5562	5473	5484	5322
20	5337	5281	5348	5599	5439
25	5379	5537	5598	5590	5261
30	5572	5515	5435	5384	5604
35	5499	5400	5560	5718	5636
40	5691	5662	5504	5503	5262
45	5574	5344	5470	5526	5285
50	5432	5536	5667	5370	5558
55	5267	5612	5363	5479	5425
60	5369	5453	5646	5301	5477
65	5709	5412	5638	5491	5411
70	5371	5541	5587	5641	5378
75	5647	5333	5721	5442	5288
80	5480	5620	5584	5482	5397
85	5438	5402	5486	5364	5426
90	5271	5415	5670	5651	5616
95	5502	5671	5674	5544	5351

Type 6 Radar Waveform_20					
Frequency List (MHz)	0	1	2	3	4
0	5381	5582	5495	5680	5470
5	5308	5575	5330	5356	5490
10	5512	5700	5430	5521	5377
15	5474	5689	5576	5529	5514
20	5345	5350	5639	5340	5572
25	5327	5706	5265	5702	5624
30	5303	5461	5472	5553	5633
35	5424	5541	5588	5453	5493
40	5647	5530	5367	5442	5646
45	5259	5503	5324	5326	5431
50	5579	5604	5636	5608	5587
55	5378	5668	5405	5455	5657
60	5353	5554	5534	5398	5478
65	5602	5710	5678	5658	5351
70	5373	5383	5540	5544	5419
75	5563	5549	5254	5664	5392
80	5589	5313	5481	5483	5688
85	5416	5715	5427	5538	5255
90	5595	5506	5626	5436	5600
95	5266	5297	5298	5471	5711

Type 6 Radar Waveform_21					
Frequency List (MHz)	0	1	2	3	4
0	5636	5346	5431	5366	5312
5	5350	5500	5405	5519	5319
10	5443	5489	5471	5716	5398
15	5562	5719	5582	5477	5706
20	5256	5516	5677	5429	5545
25	5593	5655	5468	5331	5658
30	5345	5293	5310	5622	5680
35	5679	5724	5646	5561	5466
40	5450	5380	5411	5353	5335
45	5304	5409	5535	5491	5415
50	5309	5638	5467	5349	5643
55	5444	5517	5379	5324	5586
60	5699	5343	5407	5525	5656
65	5501	5607	5387	5653	5492
70	5612	5316	5547	5268	5539
75	5508	5601	5664	5373	5676
80	5660	5370	5665	5478	5678
85	5286	5627	5432	5392	5589
90	5503	5671	5632	5470	5255
95	5704	5495	5536	5584	5639

Type 6 Radar Waveform_22

Frequency List (MHz)	0	1	2	3	4
0	5416	5585	5367	5527	5532
5	5489	5522	5480	5682	5526
10	5374	5278	5512	5436	5419
15	5553	5371	5685	5423	5264
20	5618	5421	5518	5481	5507
25	5574	5435	5692	5484	5336
30	5386	5508	5559	5442	5344
35	5295	5520	5324	5475	5305
40	5533	5318	5651	5350	5284
45	5492	5547	5588	5281	5291
50	5485	5689	5556	5314	5671
55	5356	5398	5707	5673	5715
60	5389	5288	5714	5351	5602
65	5702	5448	5306	5399	5647
70	5592	5418	5467	5570	5429
75	5710	5354	5453	5626	5641
80	5253	5286	5469	5439	5624
85	5260	5543	5654	5613	5361
90	5638	5407	5515	5716	5591
95	5568	5537	5633	5504	5392

Type 6 Radar Waveform_23

Frequency List (MHz)	0	1	2	3	4
0	5671	5349	5303	5688	5374
5	5531	5447	5555	5273	5258
10	5683	5542	5650	5534	5440
15	5641	5498	5313	5567	5712
20	5272	5276	5559	5510	5491
25	5359	5302	5636	5251	5526
30	5700	5343	5723	5711	5262
35	5483	5386	5316	5574	5486
40	5619	5616	5634	5416	5347
45	5668	5264	5575	5508	5643
50	5642	5661	5265	5645	5515
55	5615	5544	5352	5422	5492
60	5266	5369	5554	5330	5546
65	5652	5525	5505	5362	5722
70	5340	5573	5378	5385	5441
75	5394	5426	5442	5549	5335
80	5705	5405	5407	5472	5593
85	5664	5311	5402	5719	5594
90	5427	5336	5397	5350	5529
95	5646	5649	5435	5612	5607

Type 6 Radar Waveform_24

Frequency List (MHz)	0	1	2	3	4
0	5451	5588	5714	5374	5594
5	5573	5469	5630	5436	5562
10	5614	5331	5691	5254	5461
15	5625	5416	5612	5429	5658
20	5345	5597	5502	5464	5635
25	5308	5505	5265	5285	5568
30	5589	5300	5366	5485	5460
35	5525	5477	5684	5252	5400
40	5458	5321	5572	5559	5344
45	5500	5719	5566	5694	5433
50	5518	5362	5316	5356	5338
55	5462	5306	5689	5615	5498
60	5275	5378	5575	5591	5251
65	5454	5398	5554	5610	5279
70	5547	5371	5290	5370	5385
75	5411	5424	5482	5418	5663
80	5397	5476	5372	5410	5567
85	5250	5548	5675	5631	5272
90	5657	5643	5701	5633	5333
95	5710	5519	5646	5538	5432

Type 6 Radar Waveform_25

Frequency List (MHz)	0	1	2	3	4
0	5609	5352	5650	5535	5339
5	5615	5394	5705	5599	5294
10	5448	5692	5257	5449	5482
15	5342	5277	5519	5560	5621
20	5666	5511	5538	5591	5437
25	5426	5635	5708	5369	5319
30	5707	5575	5581	5637	5280
35	5664	5665	5480	5405	5314
40	5297	5404	5510	5324	5341
45	5429	5602	5266	5624	5272
50	5320	5367	5445	5636	5406
55	5348	5260	5327	5508	5586
60	5627	5409	5695	5685	5401
65	5537	5549	5403	5337	5289
70	5502	5557	5619	5454	5278
75	5517	5346	5344	5283	5567
80	5528	5444	5561	5539	5605
85	5425	5531	5533	5354	5381
90	5412	5471	5660	5281	5617
95	5706	5473	5338	5608	5614

Type 6 Radar Waveform_26

Frequency List (MHz)	0	1	2	3	4
0	5389	5591	5586	5696	5656
5	5279	5416	5305	5287	5501
10	5379	5481	5298	5644	5503
15	5333	5307	5525	5605	5338
20	5674	5580	5479	5583	5410
25	5314	5584	5436	5473	5353
30	5274	5464	5689	5321	5411
35	5478	5328	5281	5276	5655
40	5703	5708	5487	5448	5564
45	5435	5261	5582	5349	5682
50	5325	5585	5648	5714	5418
55	5534	5459	5253	5536	5592
60	5420	5327	5557	5659	5574
65	5640	5614	5324	5483	5275
70	5352	5373	5596	5297	5360
75	5691	5440	5378	5366	5322
80	5303	5252	5337	5613	5375
85	5414	5541	5700	5250	5602
90	5470	5409	5485	5723	5401
95	5553	5649	5546	5284	5421

Type 6 Radar Waveform_27

Frequency List (MHz)	0	1	2	3	4
0	5644	5355	5522	5285	5401
5	5321	5438	5380	5353	5708
10	5310	5270	5339	5364	5524
15	5421	5434	5628	5650	5530
20	5585	5271	5517	5672	5383
25	5677	5436	5542	5674	5387
30	5316	5646	5536	5563	5298
35	5370	5372	5333	5714	5547
40	5570	5386	5329	5432	5665
45	5562	5643	5281	5472	5415
50	5469	5623	5660	5724	5546
55	5610	5621	5528	5313	5264
60	5682	5446	5625	5526	5476
65	5301	5409	5331	5567	5638
70	5385	5426	5381	5690	5262
75	5599	5457	5356	5666	5651
80	5481	5414	5287	5363	5520
85	5373	5348	5448	5440	5366
90	5604	5711	5681	5592	5694
95	5391	5334	5544	5626	5707

Type 6 Radar Waveform_28

Frequency List (MHz)	0	1	2	3	4
0	5424	5691	5458	5446	5718
5	5363	5455	5516	5537	5619
10	5534	5380	5462	5545	5509
15	5561	5256	5598	5722	5593
20	5437	5664	5356	5468	5288
25	5270	5303	5421	5339	5603
30	5654	5337	5496	5463	5440
35	5486	5628	5386	5275	5324
40	5472	5429	5594	5542	5515
45	5701	5334	5262	5400	5591
50	5520	5483	5519	5500	5325
55	5343	5402	5442	5627	5278
60	5451	5299	5250	5348	5638
65	5459	5441	5457	5412	5481
70	5539	5652	5696	5568	5577
75	5327	5443	5286	5350	5360
80	5715	5373	5665	5508	5535
85	5709	5558	5717	5667	5401
90	5393	5320	5563	5711	5666
95	5497	5313	5647	5349	5510

Type 6 Radar Waveform_29

Frequency List (MHz)	0	1	2	3	4
0	5582	5455	5394	5607	5463
5	5405	5385	5530	5679	5269
10	5550	5323	5421	5657	5566
15	5597	5688	5359	5643	5439
20	5601	5506	5399	5278	5329
25	5356	5712	5473	5407	5358
30	5497	5703	5560	5489	5316
35	5648	5554	5711	5261	5542
40	5700	5262	5426	5522	5598
45	5284	5387	5624	5654	5292
50	5571	5423	5306	5625	5454
55	5515	5637	5373	5594	5572
60	5585	5374	5418	5500	5674
65	5384	5254	5622	5626	5495
70	5484	5291	5628	5655	5537
75	5600	5470	5318	5695	5299
80	5518	5645	5413	5357	5532
85	5276	5507	5471	5252	5609
90	5490	5390	5354	5348	5335
95	5350	5501	5272	5395	5670

Appendix B – Test Setup Photograph

Refer to “2212RSU047-UT” file.

_____ The End _____