



DFS MEASUREMENT REPORT

FCC ID: Q9DAPIN0634A

Applicant: Hewlett Packard Enterprise Company

Product: ACCESS POINT

Model No.: APIN0634A

Trademark:  , 

FCC Classification: Unlicensed National Information Infrastructure (NII)

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

Type of Device: Master

Result: Complies

Received Date: 2024-11-14

Test Date: 2025-01-25

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
2411RSU027-U16	V01	Initial Report	2025-06-25	Valid

Note 1: The APIN0634A is a variation on the existing APIN0634. The APIN0634 is currently FCC certified under FCC ID: Q9DAPIN0634.

The APIN0634A differs from the APIN0634 in the following ways: Part substitution for 5G and 6G passive filter

Note 2: Spot-check tests were done on Statistical Performance Check item for 802.11ax-HE80 channel 5530MHz.

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1. General Information

1.1. Applicant

Hewlett Packard Enterprise Company
6280 America Center Drive, San Jose CA 95002, United States

1.2. Manufacturer

Hewlett Packard Enterprise Company
6280 America Center Drive, San Jose CA 95002, United States

1.3. Testing Facility

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

1.4. Product Information

Product Name	ACCESS POINT
Model No.	APIN0634A
Serial No.	CNSXMLT013
Software Version	ArubaOS_Norma_10.7.2.0_91489
Wi-Fi Specification	802.11a/b/g/n/ac/ax
Bluetooth Specification	v5.0 single mode, BLE only
Zigbee Specification	802.15.4
GNSS Specification	GPS
Working Voltage	AC/DC Adapter or PoE Injector input
Operating Temperature	0 ~ 50 °C
Operating Environment	Indoor Use
Note: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

1.5. Radio Specification under Test

Frequency Range	For 802.11a/n-HT20/ac-VHT20/ax-HE20: 5180~5240MHz, 5260~5320MHz, 5500~5720MHz, 5745~5825MHz For 802.11n-HT40/ac-VHT40/ax-HE40: 5190~5230MHz, 5270~5310MHz, 5510~5710MHz, 5755~5795MHz For 802.11ac-VHT80/ax-HE80: 5210MHz, 5290MHz, 5530MHz, 5610 MHz, 5690MHz, 5775MHz
Type of Modulation	802.11a/n/ac: OFDM 802.11ax: OFDMA
Data Rate	802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 300Mbps 802.11ac: up to 866.6Mbps 802.11ax: up to 1201Mbps
Uniform Spreading (For DFS Frequency Band)	For the 5250-5350MHz, 5470-5725 MHz bands, the Master device provides, on aggregate, uniform loading of the spectrum across all devices by selecting an operating channel among the available channels using a random algorithm.

1.6. Working Frequencies

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

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

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

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

802.11ac-VHT80/ax-HE80

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

1.7. Antenna Details

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

Note:

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

2. Test Configuration

2.1. Test Mode

Mode 1: Operating under AP mode

2.2. Test Channel

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

2.3. Applied Standards

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

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

2.4. Test Environment Condition

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

3. DFS Detection Thresholds and Radar Test Waveforms

3.1. Applicability

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

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

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

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

Additional requirements for devices with multiple bandwidth modes	Master Device or Client with Radar Detection	Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		

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

3.2. DFS Devices Requirements

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

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

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

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

Table 3-3: DFS Response Requirements

3.3. DFS Detection Threshold Values

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

These detection thresholds are listed in the following table.

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

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

3.4. Parameters of DFS Test Signals

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

Short Pulse Radar Test Waveforms

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

Table 3-5: Parameters for Short Pulse Radar Waveforms

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

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

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

Long Pulse Radar Test Waveform

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

Table 3-7: Parameters for Long Pulse Radar Waveforms

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

Frequency Hopping Radar Test Waveform

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

Table 3-8: Parameters for Frequency Hopping Radar Waveforms

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

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

3.5. Conducted Test Setup

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

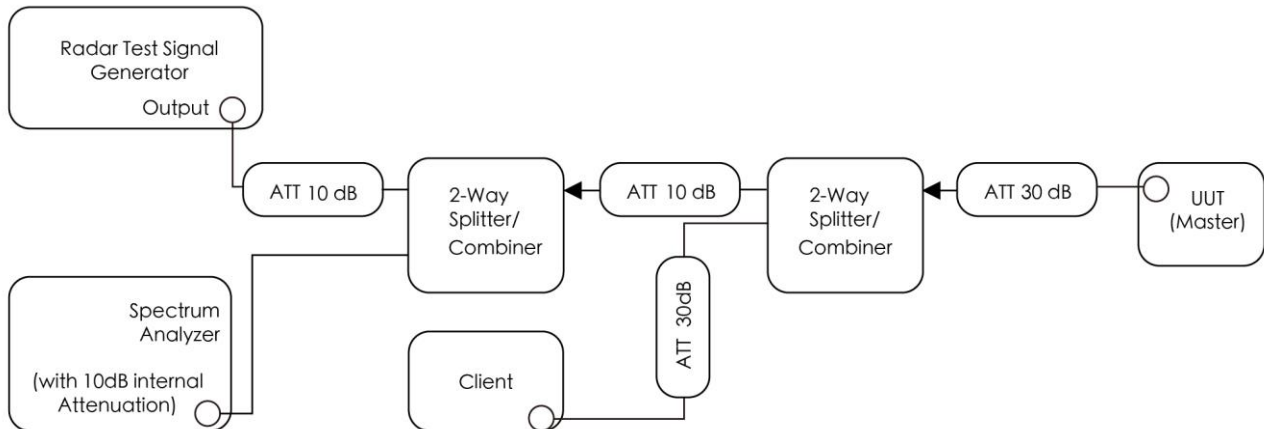


Figure 3-1: Conducted Test Setup where UUT is a Master and Radar Test Waveforms are injected into the Master

4. Measuring Instrument

Instrument Name	Manufacturer	Model No.	Asset No.	Cali. Interval	Cal. Due Date	Test Site
Shielding Room	HUAMING	WZ-SR4	MRTSUE06441	N/A	N/A	WZ-SR4
Signal Generator	Keysight	N5182B	MRTSUE06451	1 year	2025-06-03	WZ-SR4
Signal Analyzer	R&S	FSV40	MRTSUE06218	1 year	2025-09-05	WZ-SR4
Thermohygrometer	testo	608-H1	MRTSUE11256	1 year	2025-10-16	WZ-SR4
Attenuator	MVE	MVE2213	MRTSUE11092	1 year	2025-06-05	WZ-SR4

Client Information

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

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

5. Test Result

5.1. Summary

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

5.2. Radar Waveform Calibration Measurement

5.2.1. Calibration Setup

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

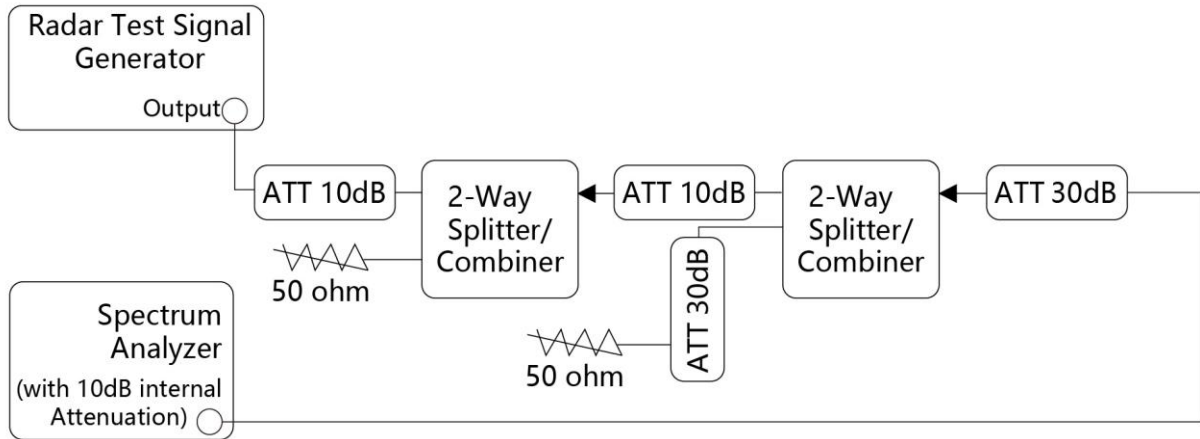


Figure 3-2: Conducted Test Setup

5.2.2. Calibration Procedure

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

5.2.3. Calibration & Channel Loading Result

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

5.3. NII Detection Bandwidth Measurement

5.3.1. Test Limit

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

5.3.2. Test Procedure

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

EUT does not comply with DFS requirements.

5.3.3. Test Result

Refer to 2411RSU027-U15 Clause 5.3.3.

5.4. Initial Channel Availability Check Time Measurement

5.4.1. Test Limit

The EUT shall perform a Channel Availability Check to ensure that there is no radar operating on the channel. After power-up sequence, receive at least 1 minute on the intended operating frequency.

5.4.2. Test Procedure

1. The U-NII devices will be powered on and be instructed to operate on the appropriate U-NII Channel that must incorporate DFS functions. At the same time the EUT is powered on, the spectrum analyzer will be set to zero span mode with a 3 MHz RBW and 3 MHz VBW on the Channel occupied by the radar (Chr) with a 2.5 minutes sweep time. The spectrum analyzer's sweep will be started at the same time power is applied to the U-NII device.
2. The EUT should not transmit any beacon or data transmissions until at least 1 minute after the completion of the power-on cycle.
3. Confirm that the EUT initiates transmission on the channel. Measurement system showing its nominal noise floor is marker1.

5.4.3. Test Result

Refer to 2411RSU027-U15 Clause 5.4.3.

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

5.5.1. Test Limit

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

5.5.2. Test Procedure

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

5.5.3. Test Result

Refer to 2411RSU027-U15 Clause 5.5.3.

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

5.6.1. Test Limit

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

5.6.2. Test Procedure

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

5.6.3. Test Result

Refer to 2411RSU027-U15 Clause 5.6.3.

5.7. In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period Measurement

5.7.1. Test Limit

The EUT has In-Service Monitoring function to continuously monitor the radar signals. If the radar is detected, must leave the channel (Shutdown). The Channel Move Time to cease all transmissions on the current channel upon detection of a Radar Waveform above the DFS Detection Threshold within 10 sec. The total duration of Channel Closing Transmission Time is 260ms, consisting of data signals and the aggregate of control signals, by a U-NII device during the Channel Move Time. The Non-Occupancy Period time is 30 minutes during which a Channel will not be utilized after a Radar Waveform is detected on that Channel.

5.7.2. Test Procedure

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

5.7.3. Test Result

Refer to 2411RSU027-U15 Clause 5.7.3.

5.8. Statistical Performance Check Measurement

5.8.1. Test Limit

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

Radar Type	Minimum Number of Trails	Detection Probability
0	30	$P_d \geq 60\%$
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: $(P_{d1} + P_{d2} + P_{d3} + P_{d4}) / 4$.

5.8.2. Test Procedure

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

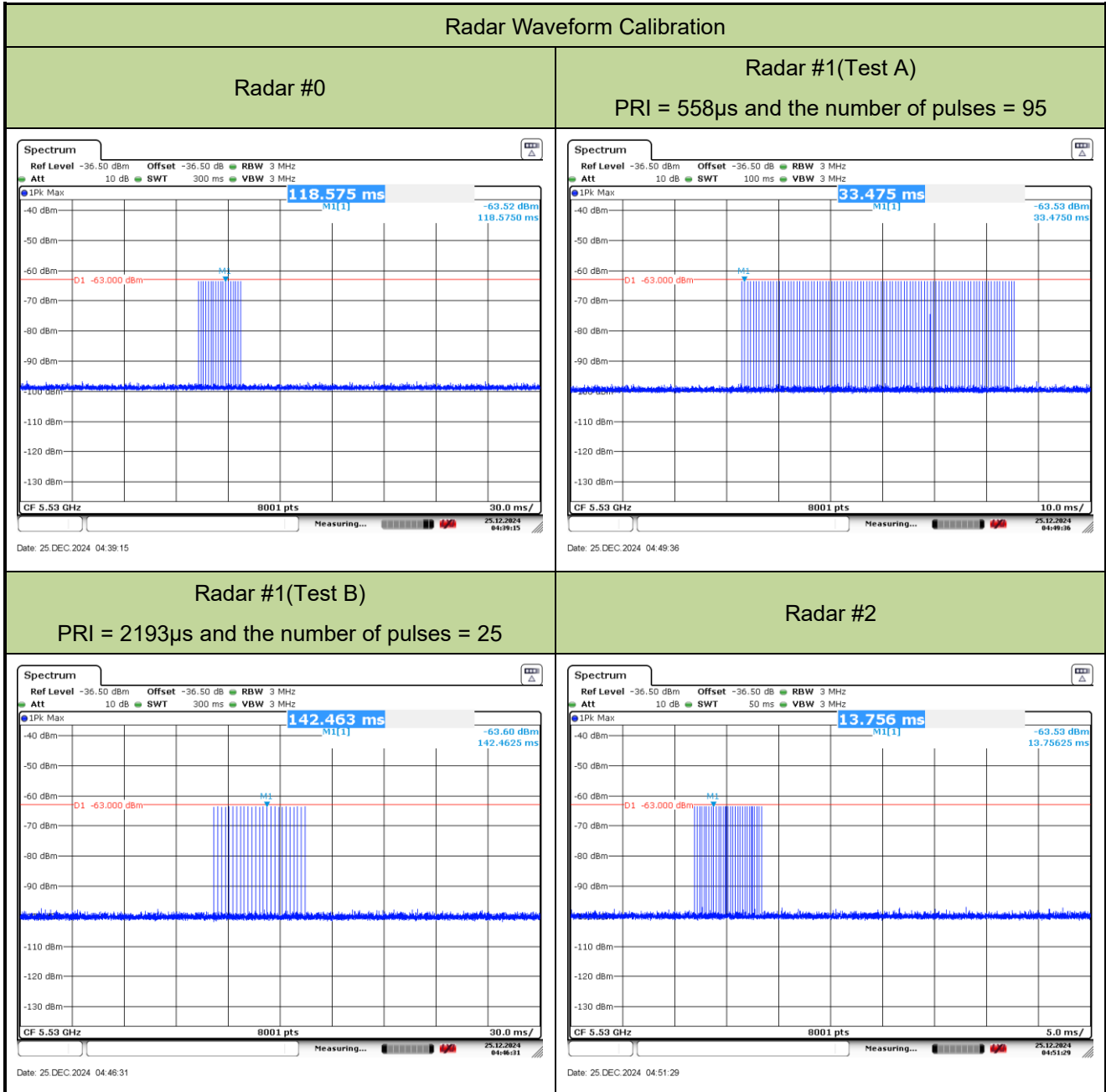
5.8.3. Test Result

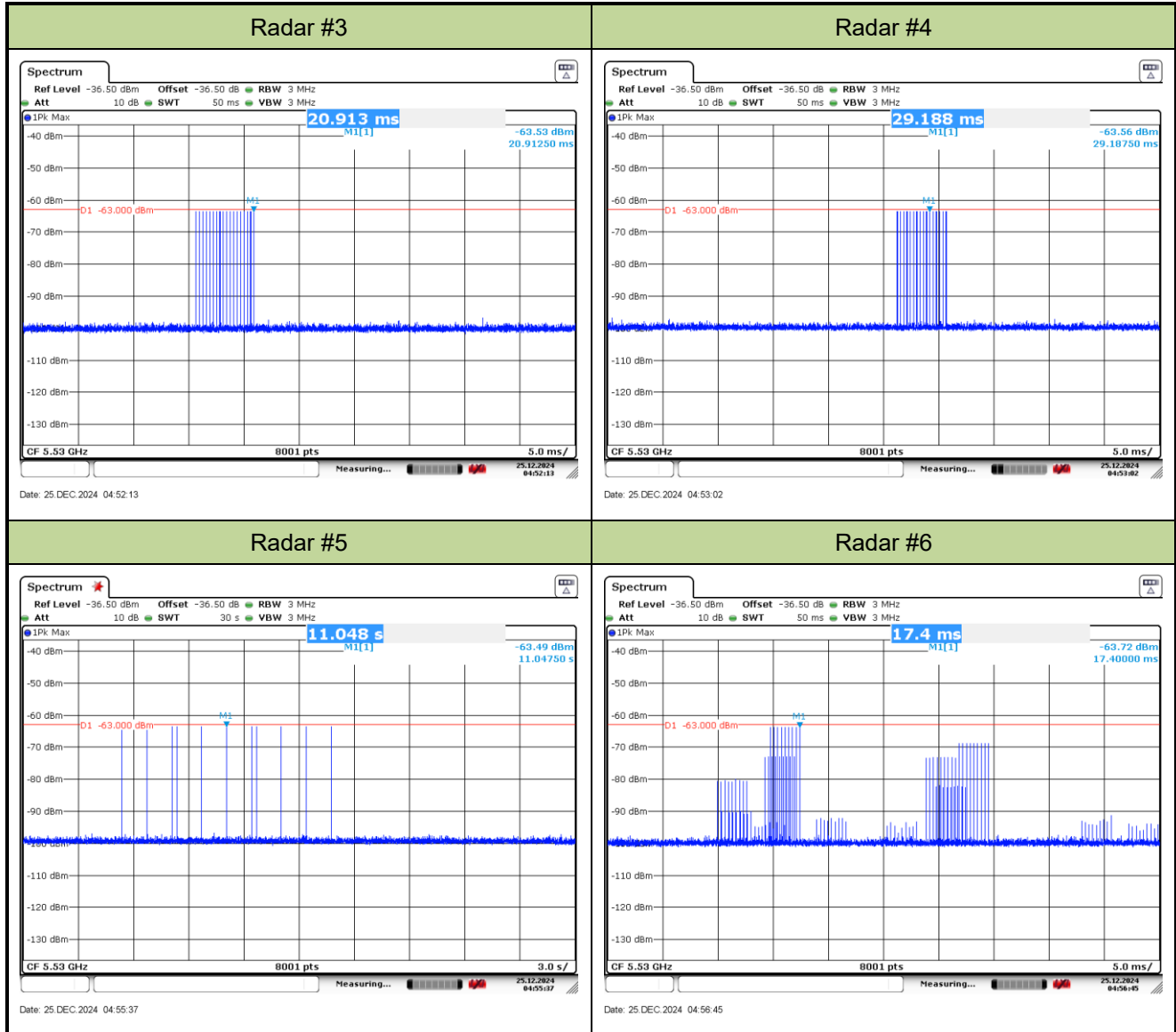
Refer to 2411RSU027-U15 Clause 5.8.3, spot check test data refer to Appendix A.3 in this report.

Appendix A – Test Result

A.1 Calibration Test Result

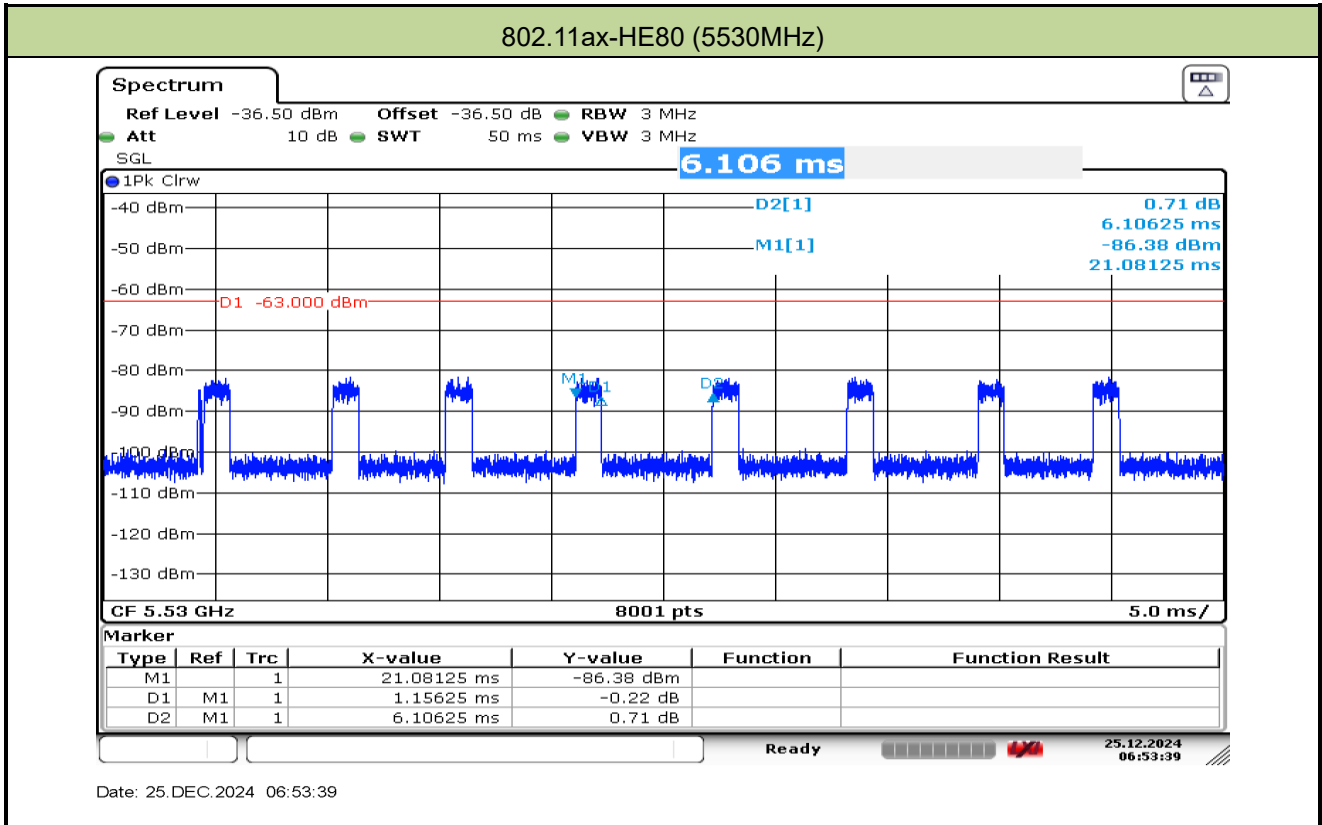
Test Site	WZ-SR4	Test Engineer	Jeff Yang
Test Date	2024-12-25	Test Item	Radar Waveform Calibration





A.2 Channel Loading Test Result

Test Site	WZ-SR4	Test Engineer	Jeff Yang
Test Date	2024-12-25	Test Item	Channel Loading



Test Mode	Test Frequency	Packet ratio	Requirement ratio	Test Result
802.11ax-HE80	5530 MHz	18.94%	≥ 17%	Pass

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

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

A.3 Statistical Performance Check

Test Site	WZ-AC2	Test Engineer	Jeff Yang
Test Date	2024-12-25		
Test Item	Radar Statistical Performance Check (802.11ax-HE80 – 5530MHz)		

Radar Type 1-4 - Radar Statistical Performance								
Trial	Radar Type 1		Radar Type 2		Radar Type 3		Radar Type 4	
	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect	Frequency (MHz)	1=detect 0=no detect
0	5496	1	5525	1	5524	1	5538	1
1	5490	1	5490	1	5570	0	5495	0
2	5543	1	5520	1	5491	1	5530	1
3	5530	1	5530	1	5562	1	5522	1
4	5500	1	5503	1	5527	1	5570	0
5	5519	1	5517	1	5553	1	5548	1
6	5548	1	5527	1	5530	1	5490	0
7	5493	1	5566	1	5534	1	5520	0
8	5534	0	5547	1	5508	1	5517	1
9	5523	1	5570	1	5490	0	5535	1
10	5538	1	5567	1	5499	1	5541	1
11	5564	1	5542	1	5520	1	5512	1
12	5506	1	5543	1	5515	1	5566	0
13	5546	1	5541	1	5543	1	5555	1
14	5561	1	5516	1	5493	1	5503	1
15	5568	1	5502	1	5495	1	5543	1
16	5552	1	5539	1	5552	1	5516	1
17	5566	1	5534	1	5531	1	5506	1
18	5492	1	5492	1	5546	1	5537	1
19	5520	1	5554	1	5497	1	5534	1
20	5512	1	5528	1	5503	1	5499	0
21	5510	1	5564	1	5564	0	5505	1
22	5539	1	5538	1	5555	1	5510	1
23	5517	1	5523	1	5533	1	5523	1
24	5509	1	5532	1	5566	0	5501	1
25	5511	1	5535	1	5561	1	5556	1
26	5536	1	5568	1	5558	1	5513	0

Trial	Radar Type 1		Radar Type 2		Radar Type 3		Radar Type 4	
	Frequency	1=detect	Frequency	1=detect	Frequency	1=detect	Frequency	1=detect
	(MHz)	0=no detect	(MHz)	0=no detect	(MHz)	0=no detect	(MHz)	0=no detect
27	5502	1	5509	1	5523	1	5539	1
28	5570	1	5512	1	5511	1	5515	1
29	5531	1	5519	1	5541	1	5551	1
Probability:	96.7%		100.0%		86.7%		76.7%	
Aggregate:	90.0% (>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	578.0	92	53176.0	Download	0	Type 2	4.6	227.0	29	6583.0
Download	1	Type 1	1.0	558.0	95	53010.0	Download	1	Type 2	5.0	216.0	29	6264.0
Download	2	Type 1	1.0	3066.0	18	55188.0	Download	2	Type 2	3.8	186.0	27	5022.0
Download	3	Type 1	1.0	538.0	99	53262.0	Download	3	Type 2	5.0	230.0	29	6670.0
Download	4	Type 1	1.0	898.0	59	52982.0	Download	4	Type 2	1.9	163.0	24	3912.0
Download	5	Type 1	1.0	698.0	76	53048.0	Download	5	Type 2	1.1	222.0	23	5106.0
Download	6	Type 1	1.0	798.0	67	53466.0	Download	6	Type 2	3.2	211.0	26	5486.0
Download	7	Type 1	1.0	618.0	86	53148.0	Download	7	Type 2	1.1	220.0	23	5060.0
Download	8	Type 1	1.0	718.0	74	53132.0	Download	8	Type 2	4.3	223.0	28	6244.0
Download	9	Type 1	1.0	738.0	72	53136.0	Download	9	Type 2	4.8	159.0	29	4611.0
Download	10	Type 1	1.0	598.0	89	53222.0	Download	10	Type 2	4.7	178.0	29	5162.0
Download	11	Type 1	1.0	658.0	81	53298.0	Download	11	Type 2	2.5	224.0	25	5600.0
Download	12	Type 1	1.0	838.0	63	52794.0	Download	12	Type 2	1.4	153.0	23	3519.0
Download	13	Type 1	1.0	518.0	102	52836.0	Download	13	Type 2	3.8	152.0	27	4104.0
Download	14	Type 1	1.0	678.0	78	52884.0	Download	14	Type 2	3.2	198.0	26	5148.0
Download	15	Type 1	1.0	2844.0	19	54036.0	Download	15	Type 2	1.9	228.0	24	5472.0
Download	16	Type 1	1.0	1113.0	48	53424.0	Download	16	Type 2	4.8	208.0	29	6032.0
Download	17	Type 1	1.0	2717.0	20	54340.0	Download	17	Type 2	3.2	185.0	26	4810.0
Download	18	Type 1	1.0	1641.0	33	54153.0	Download	18	Type 2	3.3	175.0	26	4550.0
Download	19	Type 1	1.0	2541.0	21	53361.0	Download	19	Type 2	1.1	181.0	23	4163.0
Download	20	Type 1	1.0	2033.0	26	52858.0	Download	20	Type 2	5.0	180.0	29	5220.0
Download	21	Type 1	1.0	1159.0	46	53314.0	Download	21	Type 2	4.4	200.0	28	5600.0
Download	22	Type 1	1.0	1001.0	53	53053.0	Download	22	Type 2	1.9	155.0	24	3720.0
Download	23	Type 1	1.0	1038.0	51	52938.0	Download	23	Type 2	3.5	174.0	27	4698.0
Download	24	Type 1	1.0	1218.0	44	53592.0	Download	24	Type 2	4.0	162.0	28	4536.0
Download	25	Type 1	1.0	1906.0	28	53368.0	Download	25	Type 2	4.3	166.0	28	4648.0
Download	26	Type 1	1.0	887.0	60	53220.0	Download	26	Type 2	4.0	225.0	28	6300.0
Download	27	Type 1	1.0	2193.0	25	54825.0	Download	27	Type 2	1.4	190.0	23	4370.0
Download	28	Type 1	1.0	1230.0	43	52890.0	Download	28	Type 2	3.2	194.0	26	5044.0
Download	29	Type 1	1.0	2879.0	19	54701.0	Download	29	Type 2	4.3	161.0	28	4508.0

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	9.6	444.0	18	7992.0	Download	0	Type 4	19.1	444.0	16	7104.0
Download	1	Type 3	10.0	295.0	18	5310.0	Download	1	Type 4	20.0	295.0	16	4720.0
Download	2	Type 3	8.8	321.0	18	5778.0	Download	2	Type 4	17.2	321.0	15	4815.0
Download	3	Type 3	10.0	309.0	18	5562.0	Download	3	Type 4	19.8	309.0	16	4944.0
Download	4	Type 3	6.9	420.0	16	6720.0	Download	4	Type 4	13.1	420.0	13	5460.0
Download	5	Type 3	6.1	216.0	16	3456.0	Download	5	Type 4	11.3	216.0	12	2592.0
Download	6	Type 3	8.2	348.0	17	5916.0	Download	6	Type 4	15.9	348.0	14	4872.0
Download	7	Type 3	6.1	393.0	16	6288.0	Download	7	Type 4	11.4	393.0	12	4716.0
Download	8	Type 3	9.3	263.0	18	4734.0	Download	8	Type 4	18.4	263.0	16	4208.0
Download	9	Type 3	9.8	419.0	18	7542.0	Download	9	Type 4	19.4	419.0	16	6704.0
Download	10	Type 3	9.7	369.0	18	6642.0	Download	10	Type 4	19.3	369.0	16	5904.0
Download	11	Type 3	7.5	228.0	17	3876.0	Download	11	Type 4	14.3	228.0	13	2964.0
Download	12	Type 3	6.4	268.0	16	4288.0	Download	12	Type 4	11.9	268.0	12	3216.0
Download	13	Type 3	8.8	386.0	18	6948.0	Download	13	Type 4	17.3	386.0	15	5790.0
Download	14	Type 3	8.2	391.0	17	6647.0	Download	14	Type 4	16.0	391.0	14	5474.0
Download	15	Type 3	6.9	411.0	16	6576.0	Download	15	Type 4	13.0	411.0	13	5343.0
Download	16	Type 3	9.8	415.0	18	7470.0	Download	16	Type 4	19.4	415.0	16	6640.0
Download	17	Type 3	8.2	436.0	17	7412.0	Download	17	Type 4	16.0	436.0	14	6104.0
Download	18	Type 3	8.3	477.0	17	8109.0	Download	18	Type 4	16.1	477.0	14	6678.0
Download	19	Type 3	6.1	318.0	16	5088.0	Download	19	Type 4	11.2	318.0	12	3816.0
Download	20	Type 3	10.0	478.0	18	8604.0	Download	20	Type 4	19.9	478.0	16	7648.0
Download	21	Type 3	9.4	325.0	18	5850.0	Download	21	Type 4	18.6	325.0	16	5200.0
Download	22	Type 3	6.9	301.0	16	4816.0	Download	22	Type 4	13.1	301.0	13	3913.0
Download	23	Type 3	8.5	262.0	17	4454.0	Download	23	Type 4	16.6	262.0	15	3930.0
Download	24	Type 3	9.0	469.0	18	8442.0	Download	24	Type 4	17.6	469.0	15	7035.0
Download	25	Type 3	9.3	455.0	18	8190.0	Download	25	Type 4	18.5	455.0	16	7280.0
Download	26	Type 3	9.0	213.0	18	3834.0	Download	26	Type 4	17.8	213.0	15	3195.0
Download	27	Type 3	6.4	493.0	16	7888.0	Download	27	Type 4	11.9	493.0	12	5916.0
Download	28	Type 3	8.2	340.0	17	5780.0	Download	28	Type 4	16.0	340.0	14	4760.0
Download	29	Type 3	9.3	308.0	18	5544.0	Download	29	Type 4	18.5	308.0	16	4928.0

Radar Type 5 - Radar Statistical Performance					
Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
0	5530.0	1	15	5493.2	1
1	5530.0	1	16	5497.6	1
2	5530.0	1	17	5495.2	1
3	5530.0	1	18	5495.2	1
4	5530.0	1	19	5492.0	0
5	5530.0	0	20	5562.0	1
6	5530.0	1	21	5562.8	1
7	5530.0	0	22	5566.8	0
8	5530.0	1	23	5564.4	1
9	5530.0	1	24	5563.6	1
10	5497.6	1	25	5562.8	1
11	5494.0	1	26	5563.2	0
12	5492.4	1	27	5567.6	0
13	5496.4	0	28	5564.8	1
14	5495.2	1	29	5562.8	1
Detection Percentage (%)			76.7%		

Type 5 Radar Waveform_0

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	89996.0	95.1	19	3	1704.0	1693.0	1267.0
1	242072.0	99.6	19	3	1911.0	1250.0	1426.0
2	393961.0	84.2	19	3	1636.0	1559.0	1673.0
3	546853.0	98.9	19	3	1265.0	1390.0	1185.0
4	71570.0	61.6	19	1	1996.0	-	-
5	224478.0	52.0	19	1	1396.0	-	-
6	376508.0	77.2	19	2	1496.0	1251.0	-
7	529866.0	52.2	19	1	1741.0	-	-
8	52576.0	90.9	19	3	1191.0	1890.0	1135.0
9	204677.0	96.7	19	3	1666.0	1520.0	1197.0
10	356817.0	95.8	19	3	1457.0	1100.0	1781.0
11	510635.0	68.4	19	2	1177.0	1075.0	-
12	33954.0	55.4	19	1	1995.0	-	-
13	185792.0	84.7	19	3	1535.0	1644.0	1702.0
14	338813.0	77.9	19	2	1474.0	1502.0	-
15	492034.0	61.1	19	1	1997.0	-	-
16	15108.0	96.4	19	3	1153.0	1192.0	1187.0
17	167475.0	77.9	19	2	1866.0	1494.0	-
18	320465.0	78.1	19	2	1017.0	1112.0	-

Type 5 Radar Waveform_1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	449668.0	51.3	20	1	1759.0	-	-
1	591774.0	99.2	20	3	1884.0	1071.0	1808.0
2	140868.0	92.3	20	3	1488.0	1726.0	1685.0
3	287050.0	61.8	20	1	1036.0	-	-
4	430403.0	80.8	20	2	1735.0	1954.0	-
5	574250.0	86.7	20	3	1276.0	1444.0	1775.0
6	123109.0	91.3	20	3	1184.0	1812.0	1811.0
7	267328.0	87.7	20	3	1724.0	1561.0	1819.0
8	414178.0	54.9	20	1	1391.0	-	-
9	557564.0	77.7	20	2	1623.0	1690.0	-
10	105256.0	91.5	20	3	1966.0	1654.0	1596.0
11	251147.0	65.1	20	1	1312.0	-	-
12	396188.0	58.5	20	1	1554.0	-	-
13	538574.0	89.9	20	3	1580.0	1649.0	1371.0
14	87995.0	50.8	20	1	1763.0	-	-
15	231921.0	92.3	20	3	1568.0	1639.0	1547.0
16	376516.0	98.0	20	3	1293.0	1453.0	1645.0
17	519820.0	92.3	20	3	1959.0	1802.0	1945.0
18	69976.0	68.3	20	2	1030.0	1982.0	-
19	214599.0	81.6	20	2	1813.0	1659.0	-

Type 5 Radar Waveform_2

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	450047.0	80.0	15	2	1382.0	1378.0	—
1	632643.0	56.0	15	1	1142.0	—	—
2	65332.0	50.2	15	1	1994.0	—	—
3	246329.0	74.6	15	2	1711.0	1548.0	—
4	427509.0	70.8	15	2	1621.0	1514.0	—
5	607492.0	89.1	15	3	1383.0	1844.0	1325.0
6	42641.0	87.6	15	3	1089.0	1979.0	1434.0
7	223946.0	74.6	15	2	1627.0	1882.0	—
8	406178.0	54.3	15	1	1326.0	—	—
9	585362.0	85.9	15	3	1676.0	1181.0	1517.0
10	20655.0	64.6	15	1	1431.0	—	—
11	201723.0	77.0	15	2	1302.0	1918.0	—
12	381860.0	92.3	15	3	1862.0	1591.0	1680.0
13	565436.0	52.0	15	1	1264.0	—	—
14	746526.0	60.6	15	1	1767.0	—	—
15	179279.0	73.5	15	2	1843.0	1939.0	—

Type 5 Radar Waveform_3

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	289098.0	52.7	20	1	1183.0	—	—
1	432090.0	87.8	20	3	1176.0	1438.0	1657.0
2	579098.0	53.4	20	1	1662.0	—	—
3	126014.0	62.2	20	1	1006.0	—	—
4	270635.0	70.3	20	2	1395.0	1054.0	—
5	416390.0	64.4	20	1	1256.0	—	—
6	559727.0	72.2	20	2	1705.0	1552.0	—
7	107816.0	74.5	20	2	1128.0	1556.0	—
8	251979.0	99.5	20	3	1233.0	1571.0	1546.0
9	397199.0	81.5	20	2	1706.0	1508.0	—
10	540475.0	87.3	20	3	1137.0	1731.0	1958.0
11	89950.0	78.5	20	2	1114.0	1713.0	—
12	235189.0	54.6	20	1	1795.0	—	—
13	378358.0	92.5	20	3	1688.0	1283.0	1836.0
14	524050.0	79.9	20	2	1372.0	1910.0	—
15	72093.0	68.9	20	2	1482.0	1484.0	—
16	216808.0	78.1	20	2	1405.0	1796.0	—
17	361111.0	96.3	20	3	1258.0	1189.0	1478.0
18	505505.0	98.2	20	3	1468.0	1534.0	1127.0
19	54198.0	95.3	20	3	1423.0	1065.0	1132.0

Type 5 Radar Waveform_4

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	362132.0	98.9	8	3	1174.0	1615.0	1972.0
1	626524.0	67.7	8	2	1362.0	1720.0	-
2	889646.0	91.0	8	3	1483.0	1259.0	1208.0
3	66289.0	91.8	8	3	1227.0	1315.0	1727.0
4	329792.0	99.1	8	3	1967.0	1120.0	1320.0
5	593875.0	66.7	8	2	1473.0	1886.0	-
6	856730.0	83.4	8	3	1797.0	1070.0	1646.0
7	33871.0	69.1	8	2	1404.0	1439.0	-
8	298097.0	63.0	8	1	1616.0	-	-
9	562437.0	64.5	8	1	1321.0	-	-
10	825500.0	72.8	8	2	1040.0	1858.0	-

Type 5 Radar Waveform_5

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	1880.0	56.4	5	1	1857.0	-	-
1	365038.0	79.3	5	2	1049.0	1581.0	-
2	727919.0	77.3	5	2	1771.0	1433.0	-
3	1090156.0	89.5	5	3	1059.0	1313.0	1907.0
4	1455884.0	60.1	5	1	1223.0	-	-
5	319896.0	88.8	5	3	1780.0	1569.0	1196.0
6	683882.0	56.1	5	1	1717.0	-	-
7	1047228.0	61.2	5	1	1766.0	-	-

Type 5 Radar Waveform_6

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	751511.0	65.6	13	1	1799.0	-	-
1	146406.0	83.9	13	3	1401.0	1422.0	1656.0
2	339949.0	75.7	13	2	1539.0	1523.0	-
3	533378.0	75.2	13	2	1062.0	1783.0	-
4	725419.0	89.3	13	3	1211.0	1443.0	1609.0
5	123076.0	51.8	13	1	1652.0	-	-
6	316873.0	59.1	13	1	1219.0	-	-
7	509651.0	70.0	13	2	1101.0	1606.0	-
8	703689.0	61.8	13	1	1947.0	-	-
9	99274.0	55.9	13	1	1266.0	-	-
10	291938.0	95.8	13	3	1146.0	1942.0	1052.0
11	484832.0	99.0	13	3	2000.0	1232.0	1117.0
12	677716.0	96.1	13	3	1868.0	1460.0	1123.0
13	75351.0	53.8	13	1	1920.0	-	-
14	269032.0	65.3	13	1	1557.0	-	-

Type 5 Radar Waveform_7

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	867140.0	74.7	5	2	1894.0	1689.0	–
1	1228720.0	85.1	5	3	1454.0	1998.0	1772.0
2	96531.0	96.9	5	3	1241.0	1222.0	1871.0
3	460071.0	61.7	5	1	1747.0	–	–
4	823586.0	63.1	5	1	1490.0	–	–
5	1187206.0	53.6	5	1	1257.0	–	–
6	51868.0	81.0	5	2	1932.0	1846.0	–
7	415276.0	53.1	5	1	1877.0	–	–

Type 5 Radar Waveform_8

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	345670.0	61.5	18	1	1570.0	–	–
1	504844.0	84.9	18	3	1110.0	1889.0	1370.0
2	3187.0	58.7	18	1	1560.0	–	–
3	164234.0	80.8	18	2	1406.0	1215.0	–
4	324603.0	99.2	18	3	1917.0	1004.0	1095.0
5	486407.0	77.3	18	2	1200.0	1327.0	–
6	648567.0	53.0	18	1	1414.0	–	–
7	144164.0	69.8	18	2	1951.0	1740.0	–
8	305284.0	80.1	18	2	1629.0	1348.0	–
9	466513.0	71.9	18	2	1507.0	1096.0	–
10	625928.0	85.0	18	3	1248.0	1743.0	1349.0
11	124417.0	82.6	18	2	1989.0	1386.0	–
12	286305.0	61.4	18	1	1005.0	–	–
13	446401.0	73.1	18	2	1319.0	1691.0	–
14	606063.0	92.5	18	3	1628.0	1579.0	1218.0
15	104889.0	51.6	18	1	1551.0	–	–
16	265331.0	89.9	18	3	1021.0	1413.0	1290.0
17	425687.0	90.0	18	3	1518.0	1694.0	1179.0

Type 5 Radar Waveform_9

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	527561.0	96.7	19	3	1195.0	1392.0	1497.0
1	76353.0	71.5	19	2	1275.0	1403.0	-
2	221649.0	63.2	19	1	1526.0	-	-
3	365787.0	67.3	19	2	1728.0	1448.0	-
4	511569.0	65.6	19	1	1968.0	-	-
5	58485.0	76.8	19	2	1108.0	1816.0	-
6	203840.0	52.6	19	1	1322.0	-	-
7	348871.0	64.0	19	1	1608.0	-	-
8	494287.0	52.6	19	1	1260.0	-	-
9	40754.0	54.3	19	1	1365.0	-	-
10	185859.0	63.3	19	1	1631.0	-	-
11	330168.0	77.1	19	2	1755.0	1347.0	-
12	473761.0	93.1	19	3	1566.0	1845.0	1166.0
13	22877.0	57.6	19	1	1175.0	-	-
14	167239.0	84.6	19	3	1069.0	1804.0	1407.0
15	312588.0	80.8	19	2	1374.0	1247.0	-
16	458485.0	64.2	19	1	1297.0	-	-
17	4957.0	90.3	19	3	1102.0	1853.0	1830.0
18	149750.0	80.6	19	2	1479.0	1575.0	-
19	294418.0	71.0	19	2	1719.0	1558.0	-

Type 5 Radar Waveform_10

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	463521.0	59.9	19	1	1729.0	-	-
1	613454.0	92.8	19	3	1610.0	1086.0	1921.0
2	139331.0	58.8	19	1	1080.0	-	-
3	290764.0	86.2	19	3	1237.0	1892.0	1150.0
4	444549.0	65.6	19	1	1950.0	-	-
5	596062.0	77.0	19	2	1270.0	1936.0	-
6	120472.0	61.1	19	1	1206.0	-	-
7	272489.0	71.3	19	2	1308.0	1899.0	-
8	425831.0	53.8	19	1	1814.0	-	-
9	578640.0	51.5	19	1	1736.0	-	-
10	101225.0	92.7	19	3	1051.0	1465.0	1263.0
11	253357.0	95.2	19	3	1140.0	1031.0	1927.0
12	406587.0	71.8	19	2	1121.0	1358.0	-
13	559255.0	73.1	19	2	1261.0	1116.0	-
14	82790.0	57.0	19	1	1342.0	-	-
15	235664.0	59.5	19	1	1284.0	-	-
16	386371.0	89.9	19	3	1357.0	1613.0	1817.0
17	538154.0	94.2	19	3	1840.0	1421.0	1798.0
18	63784.0	69.3	19	2	1931.0	1160.0	-

Type 5 Radar Waveform_11

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	342852.0	81.9	10	2	1625.0	1769.0	-
1	585074.0	78.2	10	2	1236.0	1282.0	-
2	825159.0	85.2	10	3	1262.0	1820.0	1650.0
3	71458.0	74.6	10	2	1058.0	1126.0	-
4	312998.0	98.7	10	3	1106.0	1346.0	1201.0
5	555587.0	56.4	10	1	1957.0	-	-
6	797956.0	52.9	10	1	1567.0	-	-
7	41609.0	78.8	10	2	1235.0	1900.0	-
8	283628.0	77.4	10	2	1076.0	1186.0	-
9	524247.0	98.0	10	3	1209.0	1762.0	1880.0
10	766814.0	80.7	10	2	1974.0	1301.0	-
11	11847.0	58.8	10	1	1584.0	-	-

Type 5 Radar Waveform_12

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	338726.0	52.1	6	1	1847.0	-	-
1	660865.0	71.1	6	2	1831.0	1603.0	-
2	983914.0	68.9	6	2	1742.0	1007.0	-
3	1306330.0	80.1	6	2	1377.0	1670.0	-
4	298920.0	53.9	6	1	1975.0	-	-
5	622059.0	62.7	6	1	1455.0	-	-
6	944300.0	77.1	6	2	1228.0	1328.0	-
7	1268324.0	51.6	6	1	1224.0	-	-
8	258624.0	88.6	6	3	1159.0	1637.0	1864.0

Type 5 Radar Waveform_13

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	308099.0	65.7	16	1	1141.0	-	-
1	477822.0	81.3	16	2	1180.0	1725.0	-
2	649924.0	60.1	16	1	1162.0	-	-
3	116134.0	51.1	16	1	1073.0	-	-
4	286748.0	61.7	16	1	1872.0	-	-
5	456893.0	68.2	16	2	1056.0	1738.0	-
6	628505.0	55.3	16	1	1572.0	-	-
7	94779.0	69.9	16	2	1582.0	1710.0	-
8	265700.0	50.5	16	1	1914.0	-	-
9	435830.0	75.1	16	2	1210.0	1679.0	-
10	604811.0	90.9	16	3	1213.0	1486.0	1949.0
11	73791.0	70.1	16	2	1696.0	1588.0	-
12	244103.0	71.0	16	2	1647.0	1897.0	-
13	414314.0	98.7	16	3	1170.0	1002.0	1589.0
14	583697.0	92.9	16	3	1856.0	1800.0	1190.0
15	52850.0	74.7	16	2	1229.0	1408.0	-
16	223408.0	68.1	16	2	1544.0	1097.0	-

Type 5 Radar Waveform_14

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	447326.0	60.1	13	1	1509.0	—	—
1	639173.0	79.7	13	2	1842.0	1925.0	—
2	36132.0	62.7	13	1	1983.0	—	—
3	228561.0	98.2	13	3	1985.0	1885.0	1986.0
4	422017.0	83.8	13	3	1136.0	1687.0	1430.0
5	616618.0	73.3	13	2	1091.0	1082.0	—
6	12273.0	73.2	13	2	1464.0	1692.0	—
7	205054.0	92.7	13	3	1739.0	1887.0	1387.0
8	398290.0	90.5	13	3	1467.0	1590.0	1103.0
9	592147.0	74.1	13	2	1642.0	1388.0	—
10	786577.0	52.9	13	1	1873.0	—	—
11	181589.0	93.0	13	3	1288.0	1360.0	1119.0
12	375629.0	53.0	13	1	1792.0	—	—
13	566788.0	96.8	13	3	1964.0	1758.0	1480.0
14	763360.0	62.8	13	1	1217.0	—	—

Type 5 Radar Waveform_15

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	236954.0	92.5	8	3	1385.0	1333.0	1660.0
1	527374.0	80.8	8	2	1538.0	1832.0	—
2	818805.0	66.2	8	1	1598.0	—	—
3	1107111.0	96.9	8	3	1111.0	1418.0	1602.0
4	201452.0	75.1	8	2	1806.0	1286.0	—
5	491745.0	73.5	8	2	1351.0	1730.0	—
6	781160.0	87.0	8	3	1294.0	1668.0	1458.0
7	1072199.0	88.3	8	3	1107.0	1023.0	1092.0
8	165579.0	97.7	8	3	1093.0	1138.0	1703.0
9	456584.0	58.9	8	1	1515.0	—	—

Type 5 Radar Waveform_16

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	372189.0	76.8	19	2	1459.0	1605.0	—
1	517139.0	72.9	19	2	1708.0	1155.0	—
2	64603.0	89.8	19	3	1204.0	1749.0	1969.0
3	209217.0	88.8	19	3	1003.0	1144.0	1952.0
4	354503.0	81.2	19	2	1449.0	1368.0	—
5	499549.0	72.4	19	2	1512.0	1053.0	—
6	46997.0	76.0	19	2	1506.0	1242.0	—
7	192108.0	55.4	19	1	1943.0	—	—
8	336139.0	85.8	19	3	1203.0	1485.0	1057.0
9	482537.0	52.5	19	1	1529.0	—	—
10	29073.0	97.4	19	3	1087.0	1379.0	1953.0
11	173629.0	89.0	19	3	1355.0	1677.0	1010.0
12	317824.0	90.4	19	3	1549.0	1504.0	1633.0
13	463287.0	82.0	19	2	1778.0	1516.0	—
14	11330.0	57.9	19	1	1793.0	—	—
15	155651.0	86.9	19	3	1340.0	1592.0	1779.0
16	301738.0	58.4	19	1	1316.0	—	—
17	446166.0	71.3	19	2	1143.0	1207.0	—
18	589273.0	94.2	19	3	1361.0	1555.0	1296.0
19	138515.0	52.4	19	1	1913.0	—	—

Type 5 Radar Waveform_17

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	378033.0	77.0	13	2	1400.0	1277.0	—
1	570816.0	97.6	13	3	1214.0	1212.0	1079.0
2	764530.0	78.3	13	2	1085.0	1859.0	—
3	160842.0	78.1	13	2	1366.0	1287.0	—
4	354205.0	77.6	13	2	1441.0	1254.0	—
5	546913.0	90.2	13	3	1072.0	1311.0	1279.0
6	740775.0	82.5	13	2	1503.0	1380.0	—
7	136659.0	96.0	13	3	1787.0	1681.0	1298.0
8	329682.0	99.7	13	3	1594.0	1461.0	1341.0
9	523354.0	94.7	13	3	1182.0	1068.0	1061.0
10	716694.0	73.2	13	2	1682.0	1498.0	—
11	113004.0	91.5	13	3	1367.0	1339.0	1345.0
12	306849.0	65.1	13	1	1963.0	—	—
13	498728.0	89.3	13	3	1427.0	1848.0	1352.0
14	694612.0	56.9	13	1	1198.0	—	—

Type 5 Radar Waveform_18

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	89566.0	50.3	13	1	1012.0	—	—
1	282347.0	83.5	13	3	1147.0	1640.0	1041.0
2	476802.0	53.9	13	1	1553.0	—	—
3	670262.0	59.2	13	1	1777.0	—	—
4	65631.0	51.6	13	1	1810.0	—	—
5	258566.0	76.9	13	2	1828.0	1988.0	—
6	451473.0	87.6	13	3	1399.0	1723.0	1033.0
7	646072.0	67.2	13	2	1000.0	1202.0	—
8	41715.0	94.3	13	3	1016.0	1129.0	1019.0
9	235519.0	65.4	13	1	1309.0	—	—
10	429274.0	53.5	13	1	1221.0	—	—
11	620630.0	90.4	13	3	1025.0	1491.0	1748.0
12	17880.0	84.2	13	3	1841.0	1018.0	1635.0
13	210923.0	88.9	13	3	1167.0	1617.0	1304.0
14	403908.0	88.2	13	3	1009.0	1655.0	1519.0

Type 5 Radar Waveform_19

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	1123606.0	65.1	5	1	1999.0	—	—
1	1487899.0	65.6	5	1	1011.0	—	—
2	351663.0	94.2	5	3	1653.0	1363.0	1393.0
3	714322.0	95.2	5	3	1528.0	1734.0	1291.0
4	1077828.0	81.9	5	2	1791.0	1634.0	—
5	1440932.0	79.2	5	2	1835.0	1447.0	—
6	306922.0	94.7	5	3	1757.0	1109.0	1838.0
7	671022.0	61.6	5	1	1481.0	—	—

Type 5 Radar Waveform_20

0	413107.0	61.2	20	1	1573.0	—	—
1	555039.0	91.0	20	3	1543.0	1540.0	1926.0
2	104477.0	90.0	20	3	1510.0	1707.0	1081.0
3	249447.0	80.0	20	2	1435.0	1683.0	—
4	395337.0	55.7	20	1	1410.0	—	—
5	537469.0	91.2	20	3	1905.0	1376.0	1501.0
6	86901.0	79.3	20	2	1737.0	1047.0	—
7	232210.0	55.9	20	1	1586.0	—	—
8	376070.0	73.8	20	2	1698.0	1908.0	—
9	522664.0	51.1	20	1	1373.0	—	—
10	69040.0	75.0	20	2	1417.0	1541.0	—
11	214313.0	57.6	20	1	1641.0	—	—
12	359325.0	53.4	20	1	1821.0	—	—
13	504880.0	54.5	20	1	1255.0	—	—
14	51346.0	62.0	20	1	1299.0	—	—
15	195234.0	92.5	20	3	1651.0	1827.0	1829.0
16	341129.0	75.5	20	2	1042.0	1350.0	—
17	484529.0	89.4	20	3	1442.0	1130.0	1712.0
18	33330.0	80.3	20	2	1928.0	1699.0	—
19	177676.0	84.1	20	3	1048.0	1948.0	1611.0

Type 5 Radar Waveform_21

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	359946.0	62.7	18	1	1271.0	—	—
1	520370.0	74.0	18	2	1332.0	1158.0	—
2	17207.0	99.9	18	3	1773.0	1632.0	1774.0
3	177678.0	98.3	18	3	1790.0	1536.0	1709.0
4	339935.0	57.0	18	1	1530.0	—	—
5	501385.0	61.4	18	1	1354.0	—	—
6	661693.0	79.6	18	2	1165.0	1244.0	—
7	158850.0	57.6	18	1	1105.0	—	—
8	318430.0	97.4	18	3	1970.0	1944.0	1014.0
9	479818.0	69.9	18	2	1823.0	1867.0	—
10	642916.0	57.3	18	1	1305.0	—	—
11	138491.0	77.8	18	2	1477.0	1906.0	—
12	300039.0	55.7	18	1	1874.0	—	—
13	460417.0	71.8	18	2	1492.0	1614.0	—
14	620612.0	92.7	18	3	1083.0	1776.0	1037.0
15	118869.0	68.2	18	2	1149.0	1154.0	—
16	280229.0	61.7	18	1	1754.0	—	—
17	439081.0	97.0	18	3	2000.0	1956.0	1429.0

Type 5 Radar Waveform_22

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	985928.0	81.8	8	2	1318.0	1990.0	—
1	162165.0	76.1	8	2	1335.0	1563.0	—
2	426740.0	64.9	8	1	1115.0	—	—
3	690881.0	59.4	8	1	1381.0	—	—
4	954003.0	79.7	8	2	1428.0	1234.0	—
5	129501.0	89.3	8	3	1786.0	1420.0	1038.0
6	394217.0	59.2	8	1	1020.0	—	—
7	656916.0	81.3	8	2	1794.0	1930.0	—
8	919919.0	84.8	8	3	1837.0	1409.0	1274.0
9	97288.0	60.5	8	1	1437.0	—	—
10	361516.0	53.5	8	1	1446.0	—	—

Type 5 Radar Waveform_23

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	429854.0	51.6	14	1	1597.0	—	—
1	609540.0	69.7	14	2	1861.0	1971.0	—
2	44312.0	92.6	14	3	1024.0	1863.0	1425.0
3	225172.0	98.9	14	3	1456.0	1164.0	1667.0
4	407820.0	60.5	14	1	1001.0	—	—
5	586692.0	98.9	14	3	1789.0	1278.0	1471.0
6	22048.0	87.2	14	3	1077.0	1178.0	1601.0
7	202925.0	91.2	14	3	1337.0	1094.0	1744.0
8	383532.0	91.7	14	3	1289.0	1883.0	1545.0
9	565319.0	72.9	14	2	1684.0	1669.0	—
10	745064.0	94.4	14	3	1675.0	1695.0	1324.0
11	181223.0	61.6	14	1	1784.0	—	—
12	362049.0	71.7	14	2	1527.0	1578.0	—
13	544299.0	58.6	14	1	1585.0	—	—
14	726323.0	53.9	14	1	1060.0	—	—
15	158386.0	93.8	14	3	1701.0	1199.0	1168.0

Type 5 Radar Waveform_24

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	318762.0	97.3	16	3	1991.0	1169.0	1938.0
1	491021.0	51.8	16	1	1805.0	—	—
2	660258.0	81.6	16	2	1752.0	1674.0	—
3	128572.0	61.8	16	1	1220.0	—	—
4	298151.0	93.9	16	3	1852.0	1084.0	1397.0
5	469612.0	80.8	16	2	1344.0	1022.0	—
6	639764.0	78.6	16	2	1764.0	1122.0	—
7	107534.0	57.5	16	1	1131.0	—	—
8	278490.0	54.2	16	1	1050.0	—	—
9	448494.0	69.2	16	2	1252.0	1273.0	—
10	619839.0	53.3	16	1	1663.0	—	—
11	86050.0	94.3	16	3	1533.0	1576.0	1524.0
12	257270.0	60.6	16	1	1499.0	—	—
13	426821.0	89.1	16	3	1246.0	1268.0	1098.0
14	597813.0	75.8	16	2	1721.0	1104.0	—
15	65258.0	76.7	16	2	1818.0	1118.0	—
16	235774.0	69.0	16	2	1039.0	1809.0	—

Type 5 Radar Waveform_25

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	384399.0	54.0	18	1	1500.0	—	—
1	542840.0	95.7	18	3	1604.0	1915.0	1495.0
2	41863.0	50.2	18	1	1760.0	—	—
3	203233.0	64.8	18	1	1402.0	—	—
4	363585.0	78.9	18	2	1912.0	1307.0	—
5	523909.0	95.2	18	3	1230.0	1593.0	1134.0
6	21954.0	73.0	18	2	1505.0	1626.0	—
7	183452.0	55.4	18	1	1064.0	—	—
8	343488.0	77.1	18	2	1904.0	1850.0	—
9	504553.0	70.1	18	2	1855.0	1521.0	—
10	2132.0	74.0	18	2	1193.0	1619.0	—
11	162669.0	87.5	18	3	1412.0	1451.0	1860.0
12	324803.0	64.5	18	1	1462.0	—	—
13	483320.0	93.2	18	3	1612.0	1839.0	1865.0
14	647753.0	50.7	18	1	1171.0	—	—
15	143212.0	75.8	18	2	1489.0	1756.0	—
16	303675.0	95.5	18	3	1765.0	1369.0	1067.0
17	465940.0	61.9	18	1	1924.0	—	—

Type 5 Radar Waveform_26

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	663834.0	79.4	17	2	1225.0	1044.0	—
1	131060.0	53.2	17	1	1243.0	—	—
2	300484.0	98.8	17	3	1599.0	1923.0	1157.0
3	472965.0	59.7	17	1	1078.0	—	—
4	641962.0	70.8	17	2	1896.0	1306.0	—
5	109339.0	91.1	17	3	1750.0	1788.0	1993.0
6	279649.0	85.0	17	3	1716.0	1249.0	1432.0
7	450238.0	94.7	17	3	1317.0	1334.0	1034.0
8	619735.0	91.4	17	3	1672.0	1722.0	1205.0
9	88514.0	95.6	17	3	1929.0	1511.0	1323.0
10	258697.0	92.9	17	3	1314.0	1452.0	1618.0
11	429959.0	80.5	17	2	1188.0	1353.0	—
12	601154.0	52.5	17	1	1824.0	—	—
13	67597.0	97.2	17	3	1375.0	1895.0	1194.0
14	238367.0	67.7	17	2	1066.0	1469.0	—
15	408234.0	92.6	17	3	1035.0	1015.0	1718.0
16	579025.0	67.7	17	2	1909.0	1245.0	—

Type 5 Radar Waveform_27

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	88590.0	62.9	6	1	1099.0	—	—
1	411683.0	53.6	6	1	1151.0	—	—
2	733730.0	79.0	6	2	1891.0	1163.0	—
3	1056687.0	68.4	6	2	1310.0	1338.0	—
4	48772.0	56.6	6	1	1607.0	—	—
5	371776.0	58.6	6	1	1542.0	—	—
6	694542.0	56.3	6	1	1992.0	—	—
7	1016793.0	66.8	6	2	1803.0	1028.0	—
8	8987.0	60.7	6	1	1732.0	—	—

Type 5 Radar Waveform_28

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	199164.0	54.6	13	1	1045.0	—	—
1	391680.0	70.1	13	2	1901.0	1697.0	—
2	583898.0	89.8	13	3	1962.0	1416.0	1493.0
3	778665.0	76.0	13	2	1815.0	1088.0	—
4	175178.0	52.5	13	1	1583.0	—	—
5	368095.0	68.5	13	2	1436.0	1714.0	—
6	562176.0	65.1	13	1	1987.0	—	—
7	754341.0	77.1	13	2	1878.0	1565.0	—
8	150715.0	96.4	13	3	1965.0	1715.0	1125.0
9	344210.0	73.5	13	2	1916.0	1419.0	—
10	537143.0	70.2	13	2	1782.0	1973.0	—
11	728654.0	94.4	13	3	1733.0	1937.0	1833.0
12	127313.0	74.8	13	2	1055.0	1532.0	—
13	320971.0	59.2	13	1	1941.0	—	—
14	514154.0	79.8	13	2	1133.0	1384.0	—

Type 5 Radar Waveform_29

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
0	587145.0	84.2	18	3	1292.0	1960.0	1658.0
1	86282.0	53.7	18	1	1854.0	—	—
2	247078.0	77.4	18	2	1280.0	1761.0	—
3	408996.0	62.5	18	1	1466.0	—	—
4	568413.0	96.6	18	3	1272.0	1415.0	1013.0
5	66268.0	67.5	18	2	1638.0	1746.0	—
6	227273.0	76.8	18	2	1445.0	1537.0	—
7	387986.0	69.8	18	2	1643.0	1768.0	—
8	549368.0	71.9	18	2	1450.0	1331.0	—
9	46477.0	75.5	18	2	1139.0	1902.0	—
10	206916.0	87.9	18	3	1888.0	1550.0	1239.0
11	368304.0	72.1	18	2	1700.0	1472.0	—
12	530840.0	66.5	18	1	1145.0	—	—
13	26589.0	93.6	18	3	1564.0	1424.0	1595.0
14	187379.0	72.8	18	2	1893.0	1935.0	—
15	347652.0	94.6	18	3	1648.0	1875.0	1231.0
16	507656.0	92.4	18	3	1981.0	1933.0	1531.0
17	6802.0	93.0	18	3	1440.0	1961.0	1977.0

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	5384	5378	5508	5317	5377
5	5446	5263	5283	5295	5356
10	5415	5698	5450	5420	5404
15	5279	5255	5650	5488	5709
20	5353	5635	5509	5373	5519
25	5257	5601	5688	5525	5616
30	5563	5461	5265	5708	5723
35	5314	5560	5646	5610	5623
40	5572	5670	5669	5473	5405
45	5712	5647	5267	5410	5281
50	5467	5565	5474	5594	5385
55	5523	5429	5536	5387	5417
60	5592	5465	5577	5275	5714
65	5502	5518	5666	5437	5664
70	5455	5313	5661	5343	5672
75	5547	5711	5291	5553	5532
80	5718	5516	5364	5588	5381
85	5360	5570	5327	5552	5644
90	5484	5250	5444	5423	5320
95	5439	5368	5457	5280	5389

Type 6 Radar Waveform_1

Frequency List (MHz)	0	1	2	3	4
0	5542	5617	5444	5381	5694
5	5585	5663	5358	5361	5563
10	5724	5487	5588	5615	5425
15	5367	5285	5278	5533	5523
20	5264	5704	5547	5365	5492
25	5561	5584	5329	5317	5559
30	5280	5549	5252	5676	5417
35	5431	5290	5405	5356	5324
40	5621	5655	5608	5520	5666
45	5402	5385	5320	5705	5675
50	5632	5643	5616	5660	5711
55	5383	5251	5681	5388	5624
60	5630	5522	5582	5637	5448
65	5719	5327	5702	5647	5459
70	5627	5527	5299	5664	5570
75	5551	5506	5449	5434	5489
80	5330	5642	5334	5407	5579
85	5308	5516	5420	5665	5421
90	5281	5325	5345	5490	5284
95	5326	5628	5440	5375	5266

Type 6 Radar Waveform_2

Frequency List (MHz)	0	1	2	3	4
0	5322	5381	5380	5542	5439
5	5627	5685	5433	5524	5295
10	5655	5373	5629	5713	5446
15	5455	5412	5481	5715	5272
20	5395	5488	5454	5465	5449
25	5533	5532	5421	5593	5438
30	5684	5416	5666	5251	5429
35	5574	5535	5398	5360	5546
40	5285	5663	5709	5365	5403
45	5288	5562	5508	5344	5667
50	5274	5618	5651	5424	5337
55	5441	5262	5278	5320	5467
60	5414	5463	5394	5276	5641
65	5479	5254	5430	5599	5382
70	5289	5419	5527	5418	5476
75	5480	5470	5582	5277	5590
80	5474	5642	5358	5503	5637
85	5383	5386	5332	5543	5499
90	5696	5683	5457	5504	5261
95	5318	5714	5676	5579	5622

Type 6 Radar Waveform_3

Frequency List (MHz)	0	1	2	3	4
0	5577	5620	5316	5703	5281
5	5669	5707	5508	5687	5599
10	5489	5637	5670	5433	5467
15	5543	5539	5387	5526	5432
20	5280	5464	5429	5446	5438
25	5715	5385	5260	5622	5627
30	5364	5327	5641	5631	5343
35	5449	5568	5684	5520	5252
40	5712	5443	5484	5525	5660
45	5638	5345	5486	5724	5329
50	5352	5384	5718	5363	5441
55	5595	5612	5291	5697	5708
60	5407	5485	5509	5386	5437
65	5268	5700	5677	5689	5621
70	5293	5368	5292	5503	5424
75	5499	5623	5548	5262	5290
80	5371	5355	5698	5322	5479
85	5574	5254	5286	5664	5255
90	5468	5474	5488	5634	5297
95	5342	5496	5359	5592	5591

Type 6 Radar Waveform_4

Frequency List (MHz)	0	1	2	3	4
0	5357	5384	5252	5389	5501
5	5333	5632	5583	5375	5331
10	5420	5426	5711	5628	5488
15	5534	5666	5490	5571	5624
20	5630	5467	5535	5411	5603
25	5712	5463	5251	5564	5406
30	5313	5598	5274	5592	5269
35	5707	5300	5316	5405	5460
40	5551	5526	5422	5290	5279
45	5470	5325	5569	5307	5382
50	5714	5638	5696	5294	5452
55	5264	5442	5720	5346	5516
60	5679	5536	5650	5454	5687
65	5383	5566	5649	5616	5521
70	5416	5511	5365	5354	5295
75	5479	5259	5619	5669	5529
80	5514	5400	5627	5327	5390
85	5352	5515	5322	5418	5694
90	5337	5497	5561	5605	5667
95	5350	5491	5540	5532	5654

Type 6 Radar Waveform_5

Frequency List (MHz)	0	1	2	3	4
0	5515	5623	5663	5550	5343
5	5375	5654	5658	5441	5538
10	5351	5690	5277	5348	5509
15	5622	5318	5593	5616	5341
20	5674	5699	5408	5527	5384
25	5491	5661	5569	5355	5598
30	5545	5677	5555	5489	5269
35	5467	5274	5391	5587	5655
40	5374	5487	5609	5263	5433
45	5276	5399	5305	5652	5365
50	5435	5504	5514	5397	5345
55	5638	5562	5386	5416	5536
60	5335	5650	5665	5340	5482
65	5513	5329	5292	5256	5308
70	5314	5534	5395	5455	5342
75	5703	5264	5337	5510	5291
80	5453	5252	5710	5700	5260
85	5466	5270	5381	5519	5611
90	5701	5610	5492	5605	5498
95	5553	5430	5633	5548	5417

Type 6 Radar Waveform_6

Frequency List (MHz)	0	1	2	3	4
0	5295	5387	5599	5711	5563
5	5417	5579	5258	5604	5270
10	5660	5479	5318	5543	5530
15	5710	5348	5696	5564	5533
20	5682	5390	5349	5616	5357
25	5282	5513	5297	5459	5632
30	5587	5663	5512	5704	5518
35	5287	5413	5482	5480	5333
40	5288	5326	5314	5676	5673
45	5273	5328	5260	5488	5391
50	5573	5396	5252	5708	5628
55	5629	5532	5524	5697	5505
60	5344	5436	5275	5590	5547
65	5688	5578	5495	5606	5423
70	5398	5668	5334	5301	5575
75	5384	5491	5523	5664	5558
80	5516	5724	5430	5603	5577
85	5429	5481	5527	5342	5684
90	5617	5492	5504	5622	5553
95	5537	5515	5651	5615	5520

Type 6 Radar Waveform_7

Frequency List (MHz)	0	1	2	3	4
0	5550	5626	5535	5397	5405
5	5459	5601	5333	5292	5574
10	5591	5268	5359	5641	5551
15	5323	5475	5324	5609	5250
20	5593	5290	5608	5330	5645
25	5462	5500	5660	5666	5629
30	5552	5469	5444	5670	5582
35	5573	5276	5486	5299	5640
40	5614	5438	5270	5635	5643
45	5343	5384	5541	5656	5266
50	5274	5447	5341	5586	5652
55	5317	5344	5351	5495	5386
60	5621	5262	5318	5316	5496
65	5627	5298	5373	5300	5409
70	5498	5517	5310	5260	5544
75	5504	5526	5472	5320	5633
80	5445	5722	5676	5721	5625
85	5603	5516	5392	5673	5395
90	5296	5291	5399	5374	5720
95	5672	5613	5639	5618	5701

Type 6 Radar Waveform_8

Frequency List (MHz)	0	1	2	3	4
0	5330	5390	5471	5461	5625
5	5598	5526	5408	5455	5306
10	5522	5629	5400	5361	5572
15	5314	5602	5654	5442	5601
20	5328	5697	5303	5436	5703
25	5289	5700	5293	5441	5426
30	5562	5444	5305	5594	5286
35	5547	5639	5688	5479	5480
40	5552	5678	5267	5564	5623
45	5543	5520	5450	5498	5430
50	5409	5499	5505	5439	5534
55	5645	5466	5360	5331	5550
60	5563	5264	5517	5445	5663
65	5605	5265	5576	5372	5395
70	5501	5366	5694	5416	5527
75	5669	5453	5646	5701	5411
80	5718	5345	5506	5358	5452
85	5347	5539	5597	5251	5706
90	5634	5722	5656	5599	5376
95	5285	5633	5469	5567	5368

Type 6 Radar Waveform_9

Frequency List (MHz)	0	1	2	3	4
0	5585	5629	5407	5622	5467
5	5640	5548	5483	5618	5513
10	5356	5418	5538	5556	5593
15	5402	5254	5433	5699	5256
20	5609	5316	5269	5689	5276
25	5324	5641	5431	5393	5259
30	5335	5427	5383	5302	5596
35	5600	5258	5377	5343	5414
40	5602	5318	5660	5490	5346
45	5264	5396	5603	5509	5403
50	5647	5333	5626	5549	5616
55	5707	5443	5693	5724	5367
60	5437	5525	5382	5486	5685
65	5340	5394	5535	5379	5541
70	5478	5601	5690	5262	5653
75	5385	5715	5434	5252	5281
80	5482	5575	5327	5637	5409
85	5297	5415	5485	5703	5301
90	5417	5704	5257	5643	5516
95	5295	5718	5586	5594	5355

Type 6 Radar Waveform_10

Frequency List (MHz)	0	1	2	3	4
0	5268	5393	5343	5308	5687
5	5682	5473	5558	5684	5342
10	5287	5579	5276	5614	5490
15	5381	5536	5647	5448	5520
20	5385	5685	5303	5724	5590
25	5537	5497	5293	5377	5316
30	5718	5517	5370	5323	5397
35	5468	5711	5567	5613	5254
40	5428	5586	5358	5325	5583
45	5592	5461	5603	5695	5272
50	5327	5600	5705	5433	5290
55	5406	5347	5439	5661	5311
60	5263	5690	5696	5689	5312
65	5253	5541	5440	5638	5427
70	5657	5464	5604	5442	5713
75	5612	5257	5292	5383	5415
80	5504	5391	5642	5487	5615
85	5357	5409	5475	5677	5668
90	5352	5463	5394	5301	5368
95	5298	5667	5492	5712	5491

Type 6 Radar Waveform_11

Frequency List (MHz)	0	1	2	3	4
0	5523	5632	5279	5469	5529
5	5724	5495	5633	5372	5549
10	5693	5471	5620	5635	5578
15	5411	5639	5692	5640	5528
20	5551	5723	5295	5697	5478
25	5442	5265	5698	5327	5516
30	5680	5675	5257	5522	5618
35	5536	5559	5507	5720	5527
40	5568	5351	5366	5355	5254
45	5563	5519	5656	5485	5623
50	5503	5651	5319	5256	5709
55	5594	5301	5629	5480	5282
60	5380	5263	5521	5710	5674
65	5364	5389	5382	5363	5685
70	5450	5704	5291	5689	5571
75	5701	5412	5429	5396	5281
80	5404	5331	5550	5612	5552
85	5312	5456	5438	5394	5306
90	5711	5435	5614	5658	5477
95	5329	5353	5390	5691	5374

Type 6 Radar Waveform_12

Frequency List (MHz)	0	1	2	3	4
0	5303	5396	5690	5630	5274
5	5388	5420	5708	5535	5281
10	5527	5260	5661	5569	5656
15	5538	5267	5262	5357	5536
20	5620	5664	5384	5670	5269
25	5391	5468	5327	5361	5558
30	5666	5632	5375	5296	5341
35	5578	5650	5495	5441	5407
40	5434	5304	5494	5352	5561
45	5543	5283	5480	5709	5372
50	5402	5679	5702	5408	5554
55	5556	5685	5255	5344	5299
60	5253	5424	5545	5683	5353
65	5565	5338	5613	5689	5492
70	5641	5379	5436	5707	5615
75	5568	5530	5435	5572	5474
80	5533	5514	5300	5609	5272
85	5395	5498	5489	5501	5484
90	5633	5724	5648	5443	5346
95	5635	5288	5697	5367	5547

Type 6 Radar Waveform_13

Frequency List (MHz)	0	1	2	3	4
0	5558	5635	5626	5316	5591
5	5430	5442	5308	5698	5585
10	5458	5621	5702	5289	5677
15	5657	5665	5273	5685	5549
20	5447	5311	5605	5376	5643
25	5632	5718	5671	5431	5395
30	5600	5555	5589	5590	5448
35	5636	5717	5363	5648	5452
40	5721	5614	5620	5259	5349
45	5490	5426	5366	5538	5287
50	5637	5278	5380	5497	5377
55	5500	5398	5684	5437	5496
60	5699	5553	5710	5628	5282
65	5362	5566	5388	5649	5424
70	5384	5444	5451	5519	5464
75	5544	5489	5542	5715	5455
80	5310	5624	5556	5659	5676
85	5606	5467	5690	5712	5461
90	5681	5369	5257	5356	5414
95	5378	5325	5598	5463	5716

Type 6 Radar Waveform_14

Frequency List (MHz)	0	1	2	3	4
0	5716	5399	5562	5477	5336
5	5472	5367	5383	5289	5317
10	5292	5410	5268	5484	5698
15	5270	5376	5255	5266	5455
20	5380	5643	5465	5616	5520
25	5570	5535	5429	5264	5444
30	5546	5330	5697	5359	5381
35	5454	5467	5326	5366	5657
40	5558	5499	5346	5322	5406
45	5449	5596	5340	5524	5629
50	5556	5329	5683	5578	5347
55	5586	5638	5627	5315	5573
60	5682	5400	5589	5285	5609
65	5711	5588	5256	5654	5722
70	5620	5505	5335	5313	5448
75	5511	5675	5286	5436	5637
80	5337	5251	5361	5603	5284
85	5593	5554	5521	5301	5334
90	5265	5651	5579	5384	5619
95	5707	5518	5700	5559	5531

Type 6 Radar Waveform_15

Frequency List (MHz)	0	1	2	3	4
0	5496	5638	5498	5653	5514
5	5389	5458	5452	5524	5698
10	5674	5309	5679	5719	5358
15	5444	5479	5300	5463	5546
20	5584	5457	5589	5311	5519
25	5505	5261	5306	5430	5503
30	5545	5374	5654	5423	5263
35	5576	5280	5305	5264	5440
40	5251	5386	5532	5557	5393
45	5314	5408	5257	5380	5297
50	5401	5291	5299	5592	5342
55	5609	5544	5336	5565	5615
60	5421	5586	5555	5315	5660
65	5624	5466	5525	5692	5491
70	5338	5540	5407	5383	5320
75	5429	5417	5717	5272	5593
80	5415	5424	5493	5484	5677
85	5316	5278	5269	5390	5467
90	5494	5573	5684	5554	5413
95	5531	5313	5476	5625	5539

Type 6 Radar Waveform_16

Frequency List (MHz)	0	1	2	3	4
0	5276	5499	5434	5702	5398
5	5653	5314	5533	5615	5353
10	5629	5463	5350	5399	5265
15	5349	5474	5582	5345	5272
20	5374	5525	5546	5562	5674
25	5371	5708	5365	5497	5348
30	5319	5460	5663	5623	5636
35	5534	5254	5291	5335	5388
40	5407	5437	5655	5366	5676
45	5284	5433	5431	5386	5699
50	5613	5487	5532	5428	5515
55	5465	5255	5560	5253	5412
60	5501	5609	5660	5298	5341
65	5706	5477	5438	5389	5472
70	5352	5440	5475	5494	5382
75	5579	5500	5496	5544	5685
80	5642	5270	5526	5669	5493
85	5590	5511	5628	5290	5452
90	5392	5634	5608	5571	5362
95	5527	5713	5317	5486	5701

Type 6 Radar Waveform_17

Frequency List (MHz)	0	1	2	3	4
0	5531	5263	5370	5388	5715
5	5695	5336	5608	5303	5560
10	5463	5252	5488	5497	5286
15	5437	5601	5685	5293	5464
20	5382	5306	5563	5538	5535
25	5465	5320	5436	5469	5390
30	5305	5417	5403	5300	5672
35	5701	5427	5407	5680	5649
40	5568	5372	5647	5434	5487
45	5346	5698	5673	5402	5466
50	5635	5609	5482	5475	5522
55	5557	5675	5500	5722	5625
60	5486	5420	5505	5657	5335
65	5544	5339	5558	5599	5508
70	5611	5509	5458	5441	5713
75	5448	5325	5699	5618	5379
80	5271	5395	5630	5268	5550
85	5394	5399	5274	5507	5510
90	5321	5677	5392	5499	5624
95	5365	5528	5683	5350	5262

Type 6 Radar Waveform_18

Frequency List (MHz)	0	1	2	3	4
0	5311	5502	5306	5549	5460
5	5262	5261	5683	5369	5292
10	5394	5613	5529	5692	5307
15	5525	5253	5691	5338	5656
20	5390	5375	5504	5627	5508
25	5353	5647	5639	5573	5565
30	5669	5374	5618	5492	5365
35	5343	5698	5657	5594	5488
40	5651	5310	5412	5431	5416
45	5326	5634	5455	5511	5533
50	5661	5723	5404	5291	5454
55	5437	5444	5360	5626	5585
60	5547	5489	5636	5490	5637
65	5507	5635	5340	5503	5312
70	5546	5541	5562	5327	5284
75	5668	5583	5664	5523	5505
80	5411	5335	5710	5494	5686
85	5302	5591	5567	5497	5475
90	5275	5450	5687	5289	5561
95	5491	5474	5642	5263	5258

Type 6 Radar Waveform_19

Frequency List (MHz)	0	1	2	3	4
0	5469	5266	5717	5710	5680
5	5304	5283	5532	5596	5325
10	5402	5570	5412	5328	5613
15	5380	5319	5383	5373	5301
20	5541	5445	5716	5481	5619
25	5499	5367	5677	5599	5571
30	5558	5331	5358	5701	5690
35	5407	5531	5494	5335	5605
40	5424	5259	5723	5652	5428
45	5684	5389	5692	5508	5618
50	5290	5486	5584	5275	5546
55	5348	5479	5408	5627	5263
60	5280	5492	5321	5559	5436
65	5363	5456	5671	5550	5298
70	5590	5699	5544	5314	5303
75	5718	5540	5703	5332	5341
80	5300	5518	5667	5491	5406
85	5302	5433	5530	5592	5343
90	5326	5698	5410	5454	5511
95	5595	5583	5659	5318	5339

Type 6 Radar Waveform_20

Frequency List (MHz)	0	1	2	3	4
0	5724	5505	5653	5396	5522
5	5443	5683	5358	5695	5328
10	5634	5666	5611	5607	5349
15	5604	5507	5422	5428	5565
20	5309	5707	5386	5708	5454
25	5448	5473	5403	5633	5613
30	5544	5288	5476	5475	5510
35	5546	5622	5387	5488	5519
40	5263	5439	5564	5320	5652
45	5664	5472	5275	5561	5641
50	5662	5635	5364	5369	5292
55	5667	5265	5720	5460	5302
60	5409	5440	5437	5628	5385
65	5382	5661	5405	5610	5665
70	5393	5615	5644	5638	5279
75	5677	5509	5348	5378	5322
80	5455	5663	5361	5601	5680
85	5372	5493	5308	5280	5471
90	5705	5619	5614	5532	5595
95	5676	5373	5323	5589	5571

Type 6 Radar Waveform_21

Frequency List (MHz)	0	1	2	3	4
0	5504	5269	5589	5557	5267
5	5485	5705	5433	5383	5535
10	5565	5455	5652	5327	5370
15	5692	5537	5525	5376	5282
20	5317	5301	5424	5322	5427
25	5395	5300	5676	5507	5667
30	5277	5720	5691	5627	5708
35	5685	5713	5658	5263	5577
40	5522	5502	5560	5519	5581
45	5644	5555	5711	5614	5295
50	5517	5363	5686	5453	5380
55	5694	5435	5279	5273	5538
60	5605	5382	5460	5425	5387
65	5354	5646	5592	5574	5465
70	5601	5647	5487	5255	5636
75	5478	5468	5521	5303	5707
80	5704	5352	5388	5321	5680
85	5689	5553	5501	5651	5331
90	5719	5428	5309	5620	5566
95	5515	5693	5307	5514	5568

Type 6 Radar Waveform_22

Frequency List (MHz)	0	1	2	3	4
0	5284	5508	5525	5718	5584
5	5527	5630	5449	5267	5496
10	5719	5693	5425	5391	5305
15	5664	5628	5421	5474	5703
20	5467	5365	5314	5400	5661
25	5724	5404	5611	5604	5319
30	5322	5677	5431	5401	5528
35	5252	5329	5454	5416	5347
40	5605	5440	5325	5516	5413
45	5624	5638	5294	5570	5657
50	5393	5442	5262	5542	5558
55	5568	5648	5625	5573	5622
60	5295	5424	5389	5609	5371
65	5588	5303	5585	5255	5377
70	5537	5587	5650	5336	5706
75	5595	5350	5491	5381	5484
80	5276	5485	5419	5385	5583
85	5531	5596	5519	5285	5492
90	5723	5626	5503	5300	5338
95	5332	5483	5388	5412	5450

Type 6 Radar Waveform_23

Frequency List (MHz)	0	1	2	3	4
0	5442	5272	5461	5307	5329
5	5569	5652	5583	5612	5571
10	5330	5605	5259	5620	5412
15	5393	5316	5634	5466	5666
20	5711	5536	5306	5403	5373
25	5549	5576	5607	5715	5638
30	5361	5308	5646	5553	5348
35	5391	5420	5250	5358	5352
40	5688	5378	5468	5513	5342
45	5604	5721	5623	5447	5647
50	5618	5313	5253	5691	5405
55	5281	5602	5340	5392	5593
60	5699	5460	5369	5696	5435
65	5317	5411	5252	5621	5622
70	5655	5706	5573	5275	5660
75	5682	5457	5319	5611	5710
80	5362	5261	5386	5266	5382
85	5333	5486	5470	5484	5336
90	5265	5446	5639	5632	5537
95	5657	5350	5349	5538	5372

Type 6 Radar Waveform_24

Frequency List (MHz)	0	1	2	3	4
0	5697	5511	5397	5468	5646
5	5708	5577	5658	5300	5303
10	5261	5394	5340	5433	5384
15	5443	5262	5414	5480	5719
20	5702	5344	5395	5346	5428
25	5335	5441	5672	5500	5591
30	5289	5327	5546	5530	5608
35	5618	5272	5666	5393	5316
40	5510	5649	5584	5329	5313
45	5676	5712	5523	5319	5364
50	5342	5514	5349	5469	5556
55	5589	5564	5353	5625	5314
60	5528	5360	5612	5657	5466
65	5417	5458	5656	5278	5412
70	5561	5416	5256	5378	5343
75	5513	5496	5522	5710	5379
80	5486	5312	5539	5408	5352
85	5290	5266	5638	5571	5459
90	5366	5593	5356	5683	5311
95	5508	5662	5633	5390	5680

Type 6 Radar Waveform_25

Frequency List (MHz)	0	1	2	3	4
0	5477	5275	5333	5629	5391
5	5599	5258	5463	5510	5570
10	5658	5438	5535	5454	5472
15	5473	5365	5459	5672	5630
20	5296	5285	5484	5319	5703
25	5377	5441	5545	5706	5542
30	5561	5548	5504	5479	5366
35	5669	5699	5414	5497	5661
40	5505	5476	5254	5604	5578
45	5467	5412	5371	5399	5495
50	5415	5431	5337	5671	5560
55	5720	5408	5482	5315	5259
60	5360	5659	5306	5435	5625
65	5596	5676	5309	5261	5642
70	5378	5537	5375	5635	5376
75	5424	5324	5668	5509	5303
80	5436	5395	5723	5389	5251
85	5600	5317	5341	5664	5464
90	5494	5266	5508	5568	5383
95	5648	5437	5581	5290	5611

Type 6 Radar Waveform_26

Frequency List (MHz)	0	1	2	3	4
0	5257	5514	5269	5315	5708
5	5317	5524	5333	5626	5339
10	5501	5447	5479	5255	5475
15	5560	5600	5468	5504	5389
20	5638	5462	5701	5476	5292
25	5494	5704	5644	5649	5265
30	5584	5547	5505	5719	5253
35	5564	5711	5685	5650	5672
40	5344	5559	5667	5713	5601
45	5507	5495	5429	5307	5275
50	5671	5466	5520	5538	5615
55	5273	5464	5435	5702	5409
60	5611	5480	5301	5485	5252
65	5636	5574	5632	5508	5579
70	5539	5544	5628	5381	5585
75	5513	5334	5399	5567	5305
80	5445	5619	5503	5458	5276
85	5443	5568	5562	5660	5295
90	5437	5662	5659	5272	5542
95	5681	5580	5400	5703	5421

Type 6 Radar Waveform_27

Frequency List (MHz)	0	1	2	3	4
0	5512	5278	5680	5476	5453
5	5456	5546	5408	5692	5432
10	5711	5520	5353	5496	5648
15	5252	5571	5549	5581	5646
20	5531	5264	5565	5265	5382
25	5653	5372	5299	5723	5436
30	5462	5459	5405	5384	5375
35	5406	5578	5425	5586	5658
40	5605	5381	5598	5339	5427
45	5487	5360	5276	5529	5517
50	5706	5361	5461	5418	5528
55	5424	5380	5645	5721	5596
60	5673	5523	5718	5471	5720
65	5713	5614	5481	5434	5489
70	5293	5519	5613	5286	5697
75	5632	5340	5667	5521	5273
80	5638	5292	5410	5622	5412
85	5625	5724	5685	5482	5349
90	5479	5466	5689	5514	5283
95	5377	5626	5342	5702	5319

Type 6 Radar Waveform_28

Frequency List (MHz)	0	1	2	3	4
0	5670	5517	5616	5637	5295
5	5498	5568	5483	5380	5278
10	5266	5597	5561	5548	5639
15	5379	5577	5497	5298	5557
20	5697	5680	5713	5270	5505
25	5575	5479	5333	5290	5422
30	5419	5654	5582	5514	5374
35	5578	5500	5594	5347	5446
40	5621	5595	5268	5407	5661
45	5448	5316	5541	5405	5320
50	5659	5406	5649	5372	5718
55	5351	5297	5335	5666	5428
60	5709	5716	5660	5472	5607
65	5550	5523	5310	5484	5465
70	5252	5348	5281	5267	5474
75	5596	5356	5681	5455	5349
80	5585	5604	5493	5300	5458
85	5284	5513	5323	5531	5338
90	5486	5508	5445	5425	5470
95	5370	5620	5426	5377	5683

Type 6 Radar Waveform_29

Frequency List (MHz)	0	1	2	3	4
0	5450	5281	5552	5323	5515
5	5540	5493	5558	5543	5582
10	5672	5386	5602	5268	5538
15	5252	5506	5680	5542	5490
20	5565	5388	5621	5646	5686
25	5536	5357	5303	5583	5367
30	5332	5311	5376	5317	5331
35	5402	5556	5588	5645	5256
40	5511	5433	5430	5384	5592
45	5575	5387	5269	5369	5428
50	5724	5619	5409	5482	5253
55	5362	5326	5537	5322	5426
60	5500	5611	5260	5535	5662
65	5421	5643	5285	5479	5683
70	5487	5510	5344	5284	5327
75	5723	5251	5377	5520	5267
80	5650	5573	5666	5699	5458
85	5254	5706	5679	5608	5335
90	5548	5393	5470	5270	5720
95	5468	5365	5463	5600	5596

Appendix B – Test Setup Photograph

Refer to “2411RSU027-UT” file.

Appendix C – EUT Photograph

Refer to “2411RSU027-UE” file.

The End
