

TEST REPORT

Product Name : Wireless Access Point
Model Number : RG-RAP1200(P)
FCC ID : 2AX5J-RAP1200P

Prepared for : Ruijie Networks Co., Ltd.
Address : Building 19, Juyuanzhou Industrial Park, No.618 Jinshan Road, Cangshan District, Fuzhou, Fujian, China

Prepared by : EMTEK (SHENZHEN) CO., LTD.
Address : Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China

Tel: (0755) 26954280
Fax: (0755) 26954282

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Modified Information

Version	Report No.	Revision Date	Summary
Ver.1.0	ENS2211290151W00203R	/	Original Report

TEST RESULT CERTIFICATION

Applicant: : Ruijie Networks Co., Ltd.
 Address: Building 19, Juyuanzhou Industrial Park, No.618 Jinshan Road, Cangshan District, Fuzhou, Fujian, China
 Manufacturer: : Ruijie Networks Co., Ltd.
 Address: Building 19, Juyuanzhou Industrial Park, No.618 Jinshan Road, Cangshan District, Fuzhou, Fujian, China
 EUT: : Wireless Access Point
 Model Name: : RG-RAP1200(P)
 Trademark: : *Ruijie*, REYEE, *Ruijie* | REYEE, REYEE by Ruijie, *Ruijie* | 瑞捷 REYEE

Measurement Procedure Used:

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
FCC 47 CFR Part 2, Subpart J FCC 47 CFR Part 15, Subpart E	PASS

The above equipment was tested by EMTEK (SHENZHEN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 2 and Part 15.247.

The test results of this report relate only to the tested sample identified in this report.

Date of Test : December 08, 2022 to December 30, 2022

Prepared by : *Una Yu*
Una Yu/Editor

Reviewer : *Joe Xia*
Joe Xia/Supervisor

Approved & Authorized Signer : *Lisa Wang*
Lisa Wang/Manager

1 EUT DESCRIPTION

Characteristics	Description
Product	Wireless Access Point
Model Number	RG-RAP1200(P)
Wifi Type	<input checked="" type="checkbox"/> UNII-2A: with 5250MHz-5350MHz Band <input checked="" type="checkbox"/> UNII-2C: with 5470MHz-5725MHz Band
WLAN Supported	<input checked="" type="checkbox"/> 802.11a <input checked="" type="checkbox"/> 802.11n(20MHz channel bandwidth) <input checked="" type="checkbox"/> 802.11n(40MHz channel bandwidth) <input checked="" type="checkbox"/> 802.11ac(20MHz channel bandwidth) <input checked="" type="checkbox"/> 802.11ac(40MHz channel bandwidth) <input checked="" type="checkbox"/> 802.11ac(80MHz channel bandwidth)
Data Rate	802.11a:54/48/36/24/18/12/9/6Mbps 802.11n:up to 300 Mbps 802.11ac:up to 866.7Mbps
Modulation	<input checked="" type="checkbox"/> OFDM with BPSK/QPSK/16QAM/64QAM for 802.11a/n <input checked="" type="checkbox"/> OFDM with BPSK/QPSK/16QAM/64QAM/256QAM for 802.11ac
Frequency Range	<input checked="" type="checkbox"/> UNII-2A: with 5250MHz-5350MHz Band <input checked="" type="checkbox"/> 5260-5320MHz for 802.11a <input checked="" type="checkbox"/> 5260-5320MHz for 802.11n(HT20) <input checked="" type="checkbox"/> 5260-5320MHz for 802.11ac(VHT20) <input checked="" type="checkbox"/> 5270-5310MHz for 802.11n(HT40) <input checked="" type="checkbox"/> 5270-5310MHz for 802.11ac(VHT40) <input checked="" type="checkbox"/> 5290MHz for 802.11ac(VHT80) <input checked="" type="checkbox"/> UNII-2C: with 5470MHz-5725MHz Band <input checked="" type="checkbox"/> 5500-5720MHz for 802.11a <input checked="" type="checkbox"/> 5500-5720MHz for 802.11n(HT20) <input checked="" type="checkbox"/> 5500-5720MHz for 802.11ac(VHT20) <input checked="" type="checkbox"/> 5510-5710MHz for 802.11n(HT40) <input checked="" type="checkbox"/> 5510-5710MHz for 802.11ac(VHT40) <input checked="" type="checkbox"/> 5530-5690MHz for 802.11ac(VHT80)
TCP Function	<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable
Antenna Type	Integrated Antenna
Antenna Gain	5250-5350MHz: ANT1: 5.87dBi, ANT2: 5dBi 5470-5725MHz: ANT1: 5.87dBi, ANT2: 5dBi
Device Type	Master
Power Supply	DC 48V by POE adapter
Temperature Range	0°C ~40°C

2 SUMMARY OF TEST RESULT

Clause	MODES	Test Parameter	Verdict	Remark
15.407	<input checked="" type="checkbox"/> Master	DFS Detection Threshold	PASS	Applicable
15.407		Channel Availability Check Time	PASS	Applicable
15.407		Channel Move Time	PASS	Applicable
15.407		Channel Closing Transmission Time	PASS	Applicable
15.407		Non-Occupancy Period	PASS	Applicable
15.407		Uniform Spreading	PASS	Applicable
15.407		U-NII Detection Bandwidth	PASS	Applicable
15.407	<input type="checkbox"/> Slave	Radar Detection Threshold	N/A	N/A
15.407		Channel Move Time	N/A	N/A
15.407		Channel Closing Transmission Time	N/A	N/A
15.407		Non-Occupancy Period	N/A	N/A
15.407		U-NII Detection Bandwidth	N/A	N/A



3 TEST METHODOLOGY

3.1 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

FCC 06-96

FCC 47 CFR Parts 15, Subpart E

FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

3.2 MEASUREMENT EQUIPMENT USED

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Wideband Radio Communication Tester	R&S	CMW500	171168	2022.5.3	1Year
Frequency Extender	R&S	CMW-Z800A	100430	2022.5.16	1Year
Spectrum Analyzer	R&S	FSV3044	MY60242456	2022.4.11	1Year
Analog Signal Generator	R&S	SMB100A	MY61252625	2022.4.22	1Year
Vector Signal Generator	R&S	SMM100A	MY61252674	2022.5.9	1Year
RF Control Unit	Tonscend	JS0806-2	22C8060567	2022.7.20	N/A

3.3 DESCRIPTION OF TEST MODES

The EUT has been tested under its typical operating condition.

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

Wifi 5G with U-NII -2A

Frequency and Channel list for 802.11a/n (HT20)/802.11ac (VHT20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	60	5300		
56	5280	64	5320		

Frequency and Channel list for 802.11n (HT40)/ 802.11ac (VHT40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
54	5270				
62	5310				

Frequency and Channel list for 802.11ac (VHT80):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
58	5290				

Test Frequency and Channel for 802.11a/n (HT20)/802.11ac (VHT20):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	60	5300	64	5320

Test Frequency and channel for 802.11n (HT40)/ 802.11ac (VHT40):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
54	5270	N/A	N/A	62	5310

Test Frequency and channel for 802.11ac (VHT80):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
58	5290				

Wifi 5G with U-NII -2C

Frequency and Channel list for 802.11a/n (HT20)/802.11ac (VHT20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	116	5580	132	5660
104	5520	120	5600	136	5680
108	5540	124	5620	140	5700
112	5560	128	5640	144	5720

Frequency and Channel list for 802.11n (HT40)/ 802.11ac (VHT40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
102	5510	118	5590	134	5670
110	5550	126	5630	142	5710

Frequency and Channel list for 802.11ac (VHT80):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
106	5530	122	5610		
138	5690				

Test Frequency and Channel for 802.11a/n (HT20)/802.11ac (VHT20):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	116	5580	144	5720

Test Frequency and channel for 802.11n (HT40)/ 802.11ac (VHT40):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
102	5510	110	5550	142	5710

Test Frequency and channel for 802.11ac (VHT80):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
106	5530	138	5690		

4 FACILITIES AND ACCREDITATIONS

4.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

Bldg 69, Majialong Industry Zone District, Nanshan District, Shenzhen, China

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

4.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with preselectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

4.3 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

EMC Lab.

: **Accredited by CNAS**

The Certificate Registration Number is L2291

The Laboratory has been assessed and proved to be in compliance with CNAS-CL01 (identical to ISO/IEC 17025:2017)

Accredited by FCC

Designation Number: CN1204

Test Firm Registration Number: 882943

Accredited by A2LA

The Certificate Number is 4321.01

Accredited by Industry Canada

The Conformity Assessment Body Identifier is CN0008

Name of Firm

: EMTEK (SHENZHEN) CO., LTD.

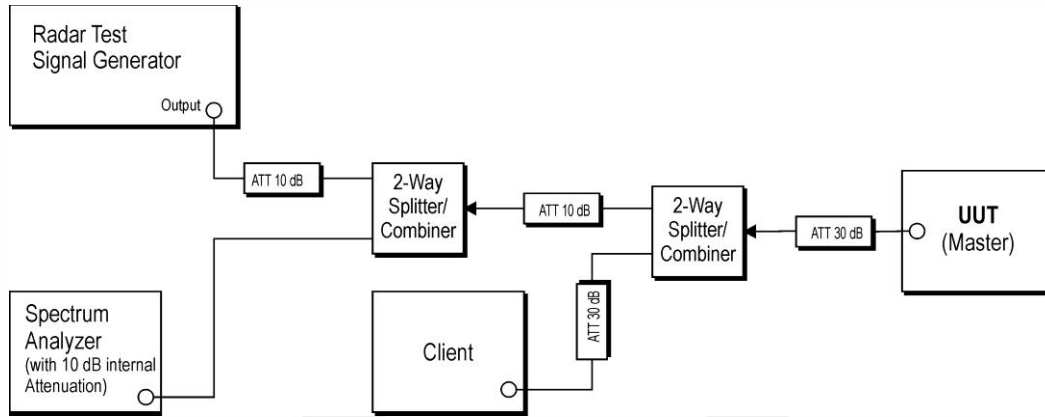
Site Location

: Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China

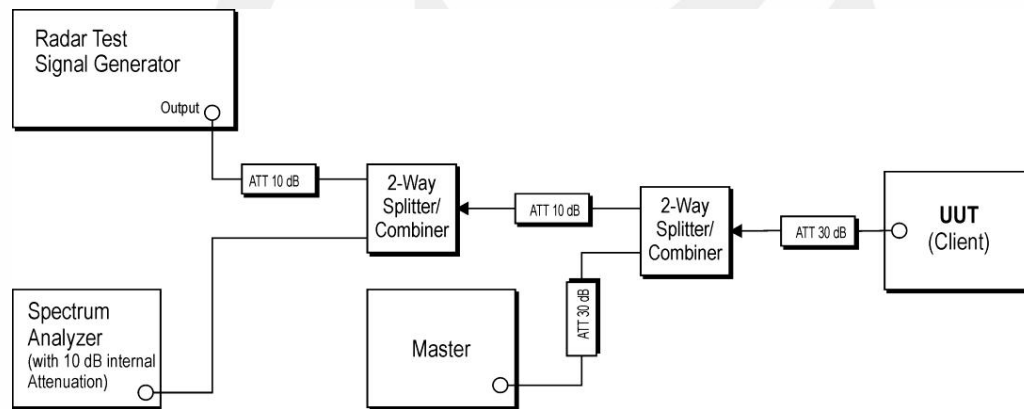
5 SETUP OF EQUIPMENT UNDER TEST

5.1 SETUP CONFIGURATION OF EUT

Master Mode



Slave Mode



5.2 CALIBRATION OF DFS DETECTION THRESHOLD LEVEL

A 50 ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected in place of the master device and the signal generator is set to CW mode. The amplitude of the signal generator is adjusted to yield a level of -62 dBm as measured on the spectrum analyzer.

Without changing any of the instrument settings, the spectrum analyzer is reconnected to the Common port of the Spectrum Analyzer Combiner/Divider. Measure the amplitude and calculate the difference from -62 dBm. Adjust the Reference Level Offset of the spectrum analyzer to this difference.

The spectrum analyzer displays the level of the signal generator as received at the antenna ports of the Master Device. The interference detection threshold may be varied from the calibrated value of -62 dBm and the spectrum analyzer will still indicate the level as received by the Master Device.

Set the signal generator to produce a radar waveform, trigger a burst manually and measure the level on the spectrum analyzer. Readjust the amplitude of the signal generator as required so that the peak level of the waveform is at a displayed level equal to the required or desired interference detection threshold. Separate signal generator amplitude settings are determined as required for each radar type.

5.3 SUPPORT EQUIPMENT

Tablet	: Model: xTablet T1180 Mfr/Brand: MobileDemand FCC ID: O86T1180 IC: 10591A-T1180
POE Adapter	: Model: PSA16U-480(POE) Input: 100-240V~0.4A, 50-60Hz Output: 48V, 0.32A CE, FCC

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.



6 DYNAMIC FREQUENCY SELECTION REQUIREMENTS

6.1 APPLICABLE STANDARD

According to 15.407

6.2 CONFORMANCE LIMIT

The dynamic frequency selection requirement

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 periods. 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: <i>Channel Move Time</i> and the <i>Channel Closing Transmission Time</i> 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 <i>Channel Closing Transmission Time</i> is comprised of 200 milliseconds starting at the beginning of the <i>Channel Move Time</i> plus any additional intermittent control signals required to facilitate a <i>Channel</i> 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 <i>U-NII Detection Bandwidth</i> 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>	

The following table lists the DFS The detection threshold values

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
<p>Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.</p> <p>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.</p> <p>Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.</p>	

6.3 TEST CONFIGURATION

Conducted measurements shall be used for DFS test

6.4 TEST PARAMETERS OF DFS TEST SIGNAL

The following table lists the parameters of radar test signals

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 5a	Roundup $\left\{ \begin{array}{l} \left(\frac{1}{360} \right) \cdot \\ \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \end{array} \right\}$	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 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

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

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

Radar 0 Statical Performances

Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
0	Type 0	1.0	1428.0	18	25704.0
1	Type 0	1.0	1428.0	18	25704.0
2	Type 0	1.0	1428.0	18	25704.0
3	Type 0	1.0	1428.0	18	25704.0
4	Type 0	1.0	1428.0	18	25704.0
5	Type 0	1.0	1428.0	18	25704.0
6	Type 0	1.0	1428.0	18	25704.0
7	Type 0	1.0	1428.0	18	25704.0
8	Type 0	1.0	1428.0	18	25704.0
9	Type 0	1.0	1428.0	18	25704.0
10	Type 0	1.0	1428.0	18	25704.0
11	Type 0	1.0	1428.0	18	25704.0
12	Type 0	1.0	1428.0	18	25704.0
13	Type 0	1.0	1428.0	18	25704.0
14	Type 0	1.0	1428.0	18	25704.0
15	Type 0	1.0	1428.0	18	25704.0
16	Type 0	1.0	1428.0	18	25704.0
17	Type 0	1.0	1428.0	18	25704.0
18	Type 0	1.0	1428.0	18	25704.0
19	Type 0	1.0	1428.0	18	25704.0
20	Type 0	1.0	1428.0	18	25704.0
21	Type 0	1.0	1428.0	18	25704.0
22	Type 0	1.0	1428.0	18	25704.0
23	Type 0	1.0	1428.0	18	25704.0
24	Type 0	1.0	1428.0	18	25704.0
25	Type 0	1.0	1428.0	18	25704.0
26	Type 0	1.0	1428.0	18	25704.0
27	Type 0	1.0	1428.0	18	25704.0
28	Type 0	1.0	1428.0	18	25704.0
29	Type 0	1.0	1428.0	18	25704.0

Radar 1 Statical Performances

Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
0	Type 1	1.0	938.0	57	53466.0
1	Type 1	1.0	698.0	76	53048.0
2	Type 1	1.0	618.0	86	53148.0
3	Type 1	1.0	538.0	99	53262.0
4	Type 1	1.0	878.0	61	53558.0
5	Type 1	1.0	3066.0	18	55188.0
6	Type 1	1.0	638.0	83	52954.0
7	Type 1	1.0	918.0	58	53244.0
8	Type 1	1.0	838.0	63	52794.0
9	Type 1	1.0	858.0	62	53196.0
10	Type 1	1.0	798.0	67	53466.0
11	Type 1	1.0	718.0	74	53132.0
12	Type 1	1.0	578.0	92	53176.0
13	Type 1	1.0	598.0	89	53222.0
14	Type 1	1.0	558.0	95	53010.0
15	Type 1	1.0	2536.0	21	53256.0
16	Type 1	1.0	966.0	55	53130.0
17	Type 1	1.0	827.0	64	52928.0
18	Type 1	1.0	2501.0	22	55022.0
19	Type 1	1.0	2595.0	21	54495.0
20	Type 1	1.0	1114.0	48	53472.0
21	Type 1	1.0	1302.0	41	53382.0
22	Type 1	1.0	3045.0	18	54810.0
23	Type 1	1.0	1624.0	33	53592.0
24	Type 1	1.0	2878.0	19	54682.0
25	Type 1	1.0	1027.0	52	53404.0
26	Type 1	1.0	2485.0	22	54670.0
27	Type 1	1.0	1600.0	33	52800.0
28	Type 1	1.0	1172.0	46	53912.0
29	Type 1	1.0	1177.0	45	52965.0

Radar 2 Statical Performances

Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
0	Type 2	3.2	179.0	26	4654.0
1	Type 2	1.1	207.0	23	4761.0
2	Type 2	2.1	230.0	24	5520.0
3	Type 2	4.8	200.0	29	5800.0
4	Type 2	3.9	214.0	28	5992.0
5	Type 2	2.9	222.0	26	5772.0
6	Type 2	3.2	204.0	26	5304.0
7	Type 2	2.5	192.0	25	4800.0
8	Type 2	3.1	164.0	26	4264.0
9	Type 2	1.2	156.0	23	3588.0
10	Type 2	3.9	210.0	27	5670.0
11	Type 2	4.6	201.0	29	5829.0
12	Type 2	3.2	162.0	26	4212.0
13	Type 2	2.2	197.0	25	4925.0
14	Type 2	4.5	163.0	29	4727.0
15	Type 2	3.0	203.0	26	5278.0
16	Type 2	5.0	168.0	29	4872.0
17	Type 2	2.4	217.0	25	5425.0
18	Type 2	2.9	191.0	26	4966.0
19	Type 2	2.3	166.0	25	4150.0
20	Type 2	3.7	150.0	27	4050.0
21	Type 2	2.2	176.0	25	4400.0
22	Type 2	4.9	195.0	29	5655.0
23	Type 2	2.9	202.0	26	5252.0
24	Type 2	2.5	178.0	25	4450.0
25	Type 2	1.1	206.0	23	4738.0
26	Type 2	3.8	155.0	27	4185.0
27	Type 2	4.7	157.0	29	4553.0
28	Type 2	2.4	224.0	25	5600.0
29	Type 2	4.2	159.0	28	4452.0

Radar 3 Statical Performances

Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
0	Type 3	8.2	355.0	17	6035.0
1	Type 3	6.1	487.0	16	7792.0
2	Type 3	7.1	344.0	16	5504.0
3	Type 3	9.8	288.0	18	5184.0
4	Type 3	8.9	230.0	18	4140.0
5	Type 3	7.9	432.0	17	7344.0
6	Type 3	8.2	207.0	17	3519.0
7	Type 3	7.5	443.0	17	7531.0
8	Type 3	8.1	439.0	17	7463.0
9	Type 3	6.2	223.0	16	3568.0
10	Type 3	8.9	208.0	18	3744.0
11	Type 3	9.6	463.0	18	8334.0
12	Type 3	8.2	441.0	17	7497.0
13	Type 3	7.2	323.0	16	5168.0
14	Type 3	9.5	297.0	18	5346.0
15	Type 3	8.0	412.0	17	7004.0
16	Type 3	10.0	324.0	18	5832.0
17	Type 3	7.4	271.0	17	4607.0
18	Type 3	7.9	349.0	17	5933.0
19	Type 3	7.3	409.0	16	6544.0
20	Type 3	8.7	373.0	18	6714.0
21	Type 3	7.2	254.0	16	4064.0
22	Type 3	9.9	274.0	18	4932.0
23	Type 3	7.9	278.0	17	4726.0
24	Type 3	7.5	317.0	17	5389.0
25	Type 3	6.1	260.0	16	4160.0
26	Type 3	8.8	211.0	18	3798.0
27	Type 3	9.7	272.0	18	4896.0
28	Type 3	7.4	264.0	17	4488.0
29	Type 3	9.2	284.0	18	5112.0

Radar 4 Statical Performances

Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
0	Type 4	16.0	355.0	14	4970.0
1	Type 4	11.3	487.0	12	5844.0
2	Type 4	13.5	344.0	13	4472.0
3	Type 4	19.4	288.0	16	4608.0
4	Type 4	17.5	230.0	15	3450.0
5	Type 4	15.3	432.0	14	6048.0
6	Type 4	15.9	207.0	14	2898.0
7	Type 4	14.3	443.0	13	5759.0
8	Type 4	15.8	439.0	14	6146.0
9	Type 4	11.5	223.0	12	2676.0
10	Type 4	17.4	208.0	15	3120.0
11	Type 4	19.0	463.0	16	7408.0
12	Type 4	16.0	441.0	14	6174.0
13	Type 4	13.8	323.0	13	4199.0
14	Type 4	18.9	297.0	16	4752.0
15	Type 4	15.5	412.0	14	5768.0
16	Type 4	19.9	324.0	16	5184.0
17	Type 4	14.1	271.0	13	3523.0
18	Type 4	15.2	349.0	14	4886.0
19	Type 4	13.8	409.0	13	5317.0
20	Type 4	17.1	373.0	15	5595.0
21	Type 4	13.8	254.0	13	3302.0
22	Type 4	19.8	274.0	16	4384.0
23	Type 4	15.3	278.0	14	3892.0
24	Type 4	14.5	317.0	13	4121.0
25	Type 4	11.3	260.0	12	3120.0
26	Type 4	17.3	211.0	15	3165.0
27	Type 4	19.2	272.0	16	4352.0
28	Type 4	14.2	264.0	13	3432.0
29	Type 4	18.2	284.0	15	4260.0

Radar 5 Statical Performances

Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
0	Type 5	15	0.8	12	5.5			
	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	636185	77.8	13	2	1665	1477	-
	1	32674	51.9	13	1	1074	-	-
	2	226294	63.8	13	1	1584	-	-
	3	417976	96.6	13	3	1682	1786	1843
	4	611152	85.9	13	3	1795	1215	1729
	5	8789	73.7	13	2	1198	1549	-
	6	201917	77.2	13	2	1837	1819	-
	7	395530	68.4	13	2	1587	1114	-
	8	588564	76.7	13	2	2000	1155	-
	9	783794	53.2	13	1	1147	-	-
	10	177933	85.7	13	3	1433	1695	1394
	11	370624	94.3	13	3	1670	1426	1935
	12	564893	77.6	13	2	1294	1671	-
13	759583	65.7	13	1	1512	-	-	
14	154262	93.5	13	3	1444	1130	1468	
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
1	Type 5	8	1.5	12	5.5			
	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	653020	75	5	2	1880	1527	-
	1	1015643	99.4	5	3	1401	1262	1257
	2	1379398	67.4	5	2	1531	1403	-
	3	245489	73.6	5	2	1449	1041	-
	4	609113	65.9	5	1	1432	-	-
	5	970852	83.8	5	3	1356	1292	1419
	6	1335913	65.5	5	1	1543	-	-
7	200406	98.6	5	3	1548	1796	1728	
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
2	Type 5	11	1.0909091	12	5.5			
	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	409565	73.8	9	2	1806	1538	-
	1	673692	69.5	9	2	1117	1649	-
	2	938562	51.9	9	1	1651	-	-
	3	113209	84.6	9	3	1976	1032	1271
	4	376726	95.4	9	3	1060	1903	1388
	5	641212	68	9	2	1368	1351	-
	6	903714	89.6	9	3	1338	1514	1573
	7	80863	81.9	9	2	1022	1689	-
8	344067	88.3	9	3	1810	1330	1838	

	9	609331	53.7	9	1	1597	-	-
	10	871542	91.3	9	3	1961	1106	1001
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
3	Type 5	20	0.6	12	5.5			
	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	26541	68.1	19	2	1339	1355	-
	1	171821	58.7	19	1	1251	-	-
	2	316229	75.3	19	2	1136	1640	-
	3	461864	56.4	19	1	1753	-	-
	4	8677	99.7	19	3	1196	1708	1159
	5	153995	57.7	19	1	1013	-	-
	6	299238	59.5	19	1	1072	-	-
	7	443177	80	19	2	1482	1369	-
	8	587671	82	19	2	1993	1197	-
	9	135674	82.8	19	2	1883	1005	-
	10	279928	88	19	3	1061	1928	1101
	11	424279	93.2	19	3	1207	1907	1223
	12	570132	70.4	19	2	1526	1360	-
	13	117439	95.3	19	3	1171	1955	1775
	14	262502	81.9	19	2	1690	1545	-
	15	406573	98.5	19	3	1975	1169	1062
	16	553328	65	19	1	1767	-	-
	17	99799	85.4	19	3	1011	1637	1425
18	244095	91.6	19	3	1878	1445	1325	
19	390012	67.3	19	2	1091	1218	-	
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
4	Type 5	17	0.7058824	12	5.5			
	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	629614	67.9	16	2	1320	1133	-
	1	96856	62.3	16	1	1957	-	-
	2	267719	53.3	16	1	1592	-	-
	3	436784	90	16	3	1900	1153	1346
	4	608289	77.1	16	2	1166	1646	-
	5	75610	83.9	16	3	1278	1232	1459
	6	245638	89.1	16	3	1240	1384	1939
	7	416355	81.8	16	2	1833	1676	-
	8	588736	50.3	16	1	1075	-	-
	9	54571	87.1	16	3	1116	1996	1756
	10	225175	71.3	16	2	1225	1815	-
	11	394825	97.5	16	3	1884	1465	1132
	12	565361	90.6	16	3	1561	1040	1354
	13	33643	86.3	16	3	1596	1183	1792
	14	203957	97.6	16	3	1365	1073	1361
15	373812	84.7	16	3	1021	1718	1854	
16	544060	99.7	16	3	1150	1244	1988	

Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
5	Type 5	14	0.8571429	12	5.5			
	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	15438	92.9	12	3	1085	1564	1407
	1	222486	67.7	12	2	1744	1747	-
	2	430731	65.8	12	1	1092	-	-
	3	637784	56.3	12	1	1851	-	-
	4	845342	53.7	12	1	1727	-	-
	5	196720	83.5	12	3	1679	1930	1025
	6	404955	65.8	12	1	1519	-	-
	7	610711	85.9	12	3	1134	1034	1808
	8	818057	76.3	12	2	1606	1926	-
	9	171459	81.5	12	2	1891	1714	-
	10	377969	89.4	12	3	1310	1594	1827
	11	586875	63.4	12	1	1568	-	-
12	792834	69.6	12	2	1307	1925	-	
13	146044	74.5	12	2	1264	1846	-	
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
6	Type 5	15	0.8	12	5.5			
	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	329022	96.6	13	3	1182	1609	1581
	1	521718	96.7	13	3	1829	1799	1154
	2	714222	86.5	13	3	1923	1396	1865
	3	112450	73.3	13	2	1908	1318	-
	4	306283	55.8	13	1	1688	-	-
	5	500239	55.4	13	1	1145	-	-
	6	690932	85.3	13	3	1336	1504	1820
	7	88645	79.4	13	2	1344	1893	-
	8	282508	65.7	13	1	1476	-	-
	9	475842	68.6	13	2	1008	1028	-
	10	667887	77.7	13	2	1972	1835	-
	11	64845	79.6	13	2	1882	1331	-
	12	257755	94.9	13	3	1830	1070	1349
13	452335	61.4	13	1	1451	-	-	
14	643395	90.6	13	3	1233	1562	1887	
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
7	Type 5	12	1	12	5.5			
	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	51446	52.6	10	1	1210	-	-
	1	292696	84.1	10	3	1314	1725	1529
	2	533989	97.7	10	3	1139	1868	1805
3	775564	97.3	10	3	1341	1446	1755	

	4	21542	98.8	10	3	1544	1386	1302
	5	263385	72.2	10	2	1771	1184	-
	6	505581	67.6	10	2	1175	1027	-
	7	747058	75.7	10	2	1026	1871	-
	8	989976	60.9	10	1	1798	-	-
	9	234024	64.2	10	1	1138	-	-
	10	475207	78.8	10	2	1784	1604	-
	11	715825	87.5	10	3	1511	1712	1683
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
8	Type 5	14	0.8571429	12	5.5			
	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	823112	54.1	13	1	1415	-	-
	1	174965	50.7	13	1	1221	-	-
	2	382216	52.3	13	1	1974	-	-
	3	587395	99.8	13	3	1558	1696	1949
	4	796897	68.4	13	2	1014	1099	-
	5	149042	80.8	13	2	1736	1505	-
	6	356750	62.5	13	1	1778	-	-
	7	563824	74.8	13	2	1149	1204	-
	8	772314	50.8	13	1	1049	-	-
	9	123796	54	13	1	1417	-	-
	10	331215	63	13	1	1730	-	-
	11	537402	91.8	13	3	1143	1270	1347
12	744805	79.3	13	2	1274	1992	-	
13	98172	64.3	13	1	1937	-	-	
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
9	Type 5	8	1.5	12	5.5			
	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	535615	63.4	6	1	1043	-	-
	1	898668	52	6	1	1863	-	-
	2	1259235	97.2	6	3	1973	1605	1583
	3	127106	78.7	6	2	1466	1743	-
	4	490358	74.2	6	2	1280	1219	-
	5	852409	88.7	6	3	1293	1934	1273
	6	1217152	54.3	6	1	1991	-	-
7	82296	95.4	6	3	1580	1555	1791	
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
10	Type 5	17	0.7058824	12	5.4964			
	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	209249	73.7	16	2	1208	1497	-
	1	378386	97.4	16	3	1942	1754	1613
	2	548411	91.7	16	3	1999	1702	1462

	3	17733	66.2	16	1	1393	-	-
	4	187952	70.8	16	2	1968	1821	-
	5	359277	52.3	16	1	1740	-	-
	6	528886	78.9	16	2	1308	1984	-
	7	700166	70.9	16	2	1050	1358	-
	8	167197	75.6	16	2	1437	1430	-
	9	338262	59.1	16	1	1697	-	-
	10	508324	77	16	2	1397	1304	-
	11	678689	67.9	16	2	1803	1083	-
	12	146031	81.2	16	2	1720	1932	-
	13	316923	78.7	16	2	1247	1121	-
	14	488056	63.3	16	1	1634	-	-
	15	657326	68.9	16	2	1849	1423	-
	16	125509	59.3	16	1	1093	-	-
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
11	Type 5	19	0.6315789	12	5.4976			
	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	263736	98.9	19	3	1381	1680	1488
	1	416459	82.3	19	2	1716	1855	-
	2	567902	86.7	19	3	1211	1400	1919
	3	92979	89.7	19	3	1861	1068	1282
	4	245155	98.6	19	3	1507	1194	1461
	5	397609	71.1	19	2	1921	1789	-
	6	551431	55.9	19	1	1947	-	-
	7	74413	67.9	19	2	1350	1372	-
	8	226559	84.4	19	3	1203	1107	1443
	9	380056	58.8	19	1	1715	-	-
	10	533408	65.6	19	1	1017	-	-
	11	55547	78.5	19	2	1911	1704	-
	12	207876	82.3	19	2	1845	1686	-
	13	359771	90.1	19	3	1938	1071	1266
	14	511297	90.2	19	3	1989	1089	1950
	15	36803	83.1	19	2	1943	1406	-
	16	189652	58.8	19	1	1742	-	-
17	341809	77	19	2	1187	1657	-	
18	495737	55	19	1	1012	-	-	
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
12	Type 5	15	0.8	12	5.4952			
	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	22911	58.1	13	1	1929	-	-
	1	216473	52.1	13	1	1910	-	-
	2	410004	59.9	13	1	1971	-	-
	3	603671	60.2	13	1	1812	-	-
	4	794160	95.9	13	3	1399	1906	1608
5	192251	79.9	13	2	1626	1859	-	

	6	385590	78.5	13	2	1238	1917	-
	7	579862	53.8	13	1	1763	-	-
	8	773423	64.7	13	1	1800	-	-
	9	168898	61.4	13	1	1390	-	-
	10	361606	83.2	13	2	1692	1858	-
	11	553866	84.7	13	3	1533	1677	1638
	12	747241	88.7	13	3	1703	1528	1058
	13	144710	78.3	13	2	1258	1951	-
	14	337856	69.3	13	2	1731	1717	-
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
13	Type 5	12	1	12	5.494			
	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	664275	75.3	10	2	1994	1612	-
	1	907886	56.3	10	1	1456	-	-
	2	151316	67.7	10	2	1617	1185	-
	3	393746	55.6	10	1	1337	-	-
	4	635093	75.2	10	2	1421	1267	-
	5	876993	76.3	10	2	1359	1305	-
	6	121278	85.7	10	3	1547	1362	1924
	7	362696	98.4	10	3	1873	1550	1249
	8	604342	86.4	10	3	1779	1439	1046
	9	846453	93.6	10	3	1059	1031	1452
10	91871	63.3	10	1	1328	-	-	
11	333050	92.4	10	3	1412	1673	1322	
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
14	Type 5	19	0.6315789	12	5.4972			
	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	361323	93.3	18	3	1983	1912	1535
	1	515261	69.1	18	2	1102	1794	-
	2	39025	86.9	18	3	1044	1152	1148
	3	190900	84.9	18	3	1894	1948	1118
	4	343941	72.3	18	2	1094	1916	-
	5	497624	51.7	18	1	1447	-	-
	6	20319	58.3	18	1	1429	-	-
	7	172999	60.8	18	1	1979	-	-
	8	325872	57.1	18	1	1641	-	-
	9	475841	88.9	18	3	1886	1964	1489
	10	1489	72	18	2	1909	1297	-
	11	153647	90.9	18	3	1261	1566	1370
	12	307096	59.8	18	1	1552	-	-
	13	458804	70	18	2	1759	1291	-
	14	610798	67.2	18	2	1625	1881	-
15	134759	91.2	18	3	1382	1832	1661	
16	288306	56.5	18	1	1483	-	-	
17	441296	51.2	18	1	1237	-	-	

	18	592780	74.1	18	2	1471	1245	-
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
15	Type 5	14	0.8571429	12	5.4948			
	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	158286	76.9	12	2	1110	1140	-
	1	366024	50.2	12	1	1316	-	-
	2	573452	62.9	12	1	1520	-	-
	3	780619	64.7	12	1	1902	-	-
	4	132455	83.8	12	3	1410	1097	1621
	5	340207	65.4	12	1	1944	-	-
	6	548208	53.2	12	1	1024	-	-
	7	755333	51.7	12	1	1603	-	-
	8	107117	78.7	12	2	1804	1168	-
	9	314500	72.4	12	2	1030	1343	-
	10	522447	53.8	12	1	1327	-	-
	11	728517	73.6	12	2	1524	1553	-
12	81611	66.7	12	2	1722	1122	-	
13	288948	82.5	12	2	1404	1019	-	
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
16	Type 5	20	0.6	12	5.498			
	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	345766	87.6	20	3	1565	1055	1840
	1	490019	85.2	20	3	1735	1541	1408
	2	39073	84.8	20	3	1534	1889	1463
	3	183923	77.9	20	2	1749	1460	-
	4	328777	76.5	20	2	1518	1485	-
	5	474728	60.9	20	1	1540	-	-
	6	21394	83	20	2	1080	1010	-
	7	165992	80.4	20	2	1824	1752	-
	8	310973	67.5	20	2	1764	1181	-
	9	456884	62.1	20	1	1495	-	-
	10	3515	86.4	20	3	1773	1966	1263
	11	147928	84.3	20	3	1593	1188	1788
	12	293225	76.9	20	2	1226	1537	-
	13	436922	95.8	20	3	1192	1298	1844
	14	584015	55.2	20	1	1644	-	-
	15	130832	59	20	1	1402	-	-
	16	274684	94.5	20	3	1296	1700	1283
	17	418579	91.9	20	3	1970	1978	1165
18	563464	85.2	20	3	1732	1551	1189	
19	112787	69.5	20	2	1038	1224	-	
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
17	Type 5	12	1	12	5.494			

	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	429224	86.4	10	3	1259	1918	1455
	1	670241	92.2	10	3	1598	1719	1895
	2	912880	80.4	10	2	1816	1899	-
	3	158603	54.3	10	1	1335	-	-
	4	400824	53.1	10	1	1303	-	-
	5	641915	69.4	10	2	1503	1546	-
	6	883823	69.1	10	2	1279	1639	-
	7	128373	100	10	3	1375	1438	1595
	8	370379	79.6	10	2	1239	1705	-
	9	611194	88.4	10	3	1374	1579	1623
	10	855665	53.3	10	1	1016	-	-
	11	98897	65.3	10	1	1709	-	-
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
18	Type 5	14	0.8571429	12	5.4948			
	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	292143	55.3	12	1	1920	-	-
	1	499633	58.3	12	1	1797	-	-
	2	706377	72.3	12	2	1610	1039	-
	3	58989	84.8	12	3	1131	1761	1721
	4	266161	82.5	12	2	1875	1431	-
	5	474469	63.3	12	1	1095	-	-
	6	680544	80	12	2	1119	1913	-
	7	33519	90.3	12	3	1660	1853	1123
	8	240319	91.1	12	3	1539	1783	1172
	9	447400	96.6	12	3	1525	1036	1385
	10	654516	82.7	12	2	1710	1990	-
	11	8083	50.7	12	1	1234	-	-
12	215435	78.4	12	2	1047	1109	-	
13	421325	99.5	12	3	1299	1965	1869	
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
19	Type 5	12	1	12	5.494			
	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	733725	88.6	10	3	1501	1067	1927
	1	977882	57.4	10	1	1723	-	-
	2	221197	96.6	10	3	1086	1658	1324
	3	462915	69.7	10	2	1751	1945	-
	4	705071	77.9	10	2	1642	1317	-
	5	947923	62	10	1	1866	-	-
	6	191373	88.4	10	3	1997	1077	1366
	7	432561	97.3	10	3	1790	1896	1367
	8	674004	96.2	10	3	1391	1787	1672
9	915842	95.4	10	3	1020	1892	1414	
10	162176	54.8	10	1	1084	-	-	

	11	403553	80.4	10	2	1850	1436	-
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
20	Type 5	16	0.75	12	5.504			
	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	483470	74.7	15	2	1619	1611	-
	1	666072	57.1	15	1	1560	-	-
	2	98810	91.9	15	3	1392	1475	1276
	3	279914	83.1	15	2	1809	1772	-
	4	462536	50.7	15	1	1003	-	-
	5	642324	79.2	15	2	1574	1600	-
	6	76831	58.7	15	1	1186	-	-
	7	257785	71	15	2	1521	1567	-
	8	438554	79	15	2	1777	1960	-
	9	620397	68.5	15	2	1284	1428	-
	10	54310	73.5	15	2	1904	1352	-
	11	235506	70.5	15	2	1864	1115	-
	12	417036	76.6	15	2	1045	1300	-
	13	597974	81.2	15	2	1160	1675	-
14	32086	61.8	15	1	1277	-	-	
15	212751	94.9	15	3	1450	1206	1860	
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
21	Type 5	12	1	12	5.5064			
	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	526149	78.5	9	2	1653	1698	-
	1	767135	89.8	9	3	1174	1962	1167
	2	12955	59.4	9	1	1982	-	-
	3	254612	79.6	9	2	1633	1890	-
	4	496588	76	9	2	1112	1811	-
	5	739728	53.6	9	1	1144	-	-
	6	980872	80.9	9	2	1220	1053	-
	7	225249	61.6	9	1	1724	-	-
	8	467279	53.4	9	1	1901	-	-
	9	709720	59.9	9	1	1379	-	-
10	951847	60.4	9	1	1453	-	-	
11	194839	91.4	9	3	1768	1726	1227	
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
22	Type 5	20	0.6	12	5.502			
	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	261858	77	20	2	1191	1363	-
	1	407646	58.1	20	1	1248	-	-
	2	552319	62.1	20	1	1836	-	-
3	99107	76.9	20	2	1334	1236	-	

	4	243514	80	20	2	1914	1852	-
	5	389464	52	20	1	1701	-	-
	6	531093	88.6	20	3	1693	1995	1905
	7	81159	72.9	20	2	1922	1387	-
	8	225245	98.5	20	3	1839	1746	1389
	9	371906	57.9	20	1	1193	-	-
	10	514197	95.9	20	3	1659	1870	1066
	11	63561	53.5	20	1	1162	-	-
	12	207510	92	20	3	1745	1654	1458
	13	353638	57.3	20	1	1834	-	-
	14	497515	70.5	20	2	1684	1586	-
	15	45553	70	20	2	1042	1664	-
	16	189821	84	20	3	1765	1630	1176
	17	335330	76.1	20	2	1557	1057	-
	18	478825	93.2	20	3	1985	1018	1340
	19	27594	96.8	20	3	1760	1614	1817
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
23	Type 5	14	0.8571429	12	5.5052			
	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	247117	50.1	12	1	1841	-	-
	1	453362	93.5	12	3	1590	1081	1413
	2	660875	68.8	12	2	1707	1577	-
	3	14140	56.3	12	1	1056	-	-
	4	220734	86	12	3	1953	1108	1987
	5	428367	75.2	12	2	1572	1536	-
	6	636681	54.4	12	1	1517	-	-
	7	843157	71.1	12	2	1329	1243	-
	8	195585	76.2	12	2	1940	1770	-
	9	403231	80.2	12	2	1098	1209	-
	10	610202	79.7	12	2	1588	1214	-
	11	815229	90.9	12	3	1615	1862	1601
12	170267	68.7	12	2	1377	1441	-	
13	377306	67.4	12	2	1872	1313	-	
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
24	Type 5	13	0.9230769	12	5.5056			
	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	628071	94	11	3	1643	1748	1941
	1	853391	70.8	11	2	1177	1201	-
	2	156223	56.3	11	1	1006	-	-
	3	378734	96.7	11	3	1230	1163	1332
	4	601331	90.6	11	3	1217	1582	1498
	5	825462	74.5	11	2	1569	1281	-
	6	128265	92.6	11	3	1065	1669	1222
	7	351161	89	11	3	1493	1135	1380
8	573425	96.5	11	3	1607	1822	1602	

	9	798431	70.5	11	2	1141	1178	-
	10	100737	94	11	3	1009	1629	1956
	11	324661	55.8	11	1	1290	-	-
	12	546278	87.7	11	3	1435	1963	1164
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
25	Type 5	8	1.5	12	5.508			
	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	1253842	68.6	5	2	1306	1161	-
	1	119486	83.1	5	2	1420	1315	-
	2	482958	60.9	5	1	1687	-	-
	3	845641	77.7	5	2	1776	1158	-
	4	1208428	77.4	5	2	1793	1510	-
	5	74748	66.8	5	2	1576	1323	-
	6	438300	63.7	5	1	1333	-	-
7	800152	91.2	5	3	1409	1681	1275	
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
26	Type 5	17	0.7058824	12	5.5036			
	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	545865	83.6	16	3	1632	1195	1000
	1	14067	89.4	16	3	1173	1627	1656
	2	184953	55.8	16	1	1532	-	-
	3	353759	90.9	16	3	1981	1554	1998
	4	526388	54.7	16	1	1825	-	-
	5	694806	97.7	16	3	1734	1202	1250
	6	163568	67.5	16	2	1571	1434	-
	7	333410	96.7	16	3	1589	1469	1268
	8	504006	68.3	16	2	1750	1954	-
	9	675297	78.3	16	2	1591	1082	-
	10	142890	55	16	1	1427	-	-
	11	312479	84.9	16	3	1129	1936	1199
	12	482953	74.6	16	2	1959	1856	-
	13	655022	63.3	16	1	1885	-	-
	14	121457	99.8	16	3	1035	1515	1120
15	292606	63.6	16	1	1647	-	-	
16	461322	87.3	16	3	1931	1051	1831	
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
27	Type 5	19	0.6315789	12	5.5024			
	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	565136	85.6	19	3	1946	1078	1015
	1	89970	68.6	19	2	1029	1780	-
	2	243121	54.2	19	1	1111	-	-
3	396034	61.2	19	1	1104	-	-	

	4	546225	97.1	19	3	1157	1969	1100
	5	70998	98.3	19	3	1142	1699	1622
	6	224093	62.4	19	1	1655	-	-
	7	376127	80.2	19	2	1126	1769	-
	8	527806	87.5	19	3	1216	1448	1179
	9	52247	85.8	19	3	1847	1348	1472
	10	204582	88.1	19	3	1023	1124	1631
	11	357941	65.3	19	1	1848	-	-
	12	510977	52.5	19	1	1470	-	-
	13	33698	52.3	19	1	1312	-	-
	14	186023	74.1	19	2	1915	1200	-
	15	339327	54.9	19	1	1479	-	-
	16	491053	76.2	19	2	1376	1502	-
	17	14858	60.4	19	1	1758	-	-
	18	167387	81.5	19	2	1491	1103	-
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
28	Type 5	12	1	12	5.506			
	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	507709	50.5	10	1	1857	-	-
	1	750249	55.7	10	1	1246	-	-
	2	989003	85.8	10	3	1774	1002	1967
	3	235634	76.9	10	2	1125	1474	-
	4	477675	75.1	10	2	1254	1052	-
	5	718312	92.3	10	3	1180	1486	1492
	6	960895	78.1	10	2	1301	1757	-
	7	205370	92.2	10	3	1898	1252	1713
	8	446940	89	10	3	1260	1706	1411
	9	689225	70.9	10	2	1578	1620	-
	10	932305	63.1	10	1	1782	-	-
11	176231	55.3	10	1	1522	-	-	
Trial Id	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency (GHz)			
29	Type 5	18	0.666667	12	5.5032			
	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	277485	83.4	17	3	1454	1205	1801
	1	437880	97.3	17	3	1319	1826	1635
	2	598445	90.4	17	3	1079	1986	1674
	3	97088	91.8	17	3	1563	1151	1802
	4	257251	98.2	17	3	1876	1977	1766
	5	419893	59.5	17	1	1952	-	-
	6	580724	80	17	2	1253	1137	-
	7	77366	86.5	17	3	1054	1128	1828
	8	238032	91.1	17	3	1105	1599	1442
	9	398605	93.5	17	3	1867	1373	1087
10	562025	60.7	17	1	1033	-	-	
11	57684	67.2	17	2	1288	1405	-	

	12	219083	61.8	17	1	1585	-	-
	13	379234	79.4	17	2	1933	1667	-
	14	540896	81.4	17	2	1096	1464	-
	15	37916	65.7	17	1	1496	-	-
	16	198794	76	17	2	1733	1255	-
	17	359754	81	17	2	1326	1668	-



Radar 6 Statical Performances

Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Visible Frequency Number
0	Type 6	1.0	333.3	9	0.3333	300.0000000	16
1	Type 6	1.0	333.3	9	0.3333	300.0000000	10
2	Type 6	1.0	333.3	9	0.3333	300.0000000	14
3	Type 6	1.0	333.3	9	0.3333	300.0000000	19
4	Type 6	1.0	333.3	9	0.3333	300.0000000	15
5	Type 6	1.0	333.3	9	0.3333	300.0000000	18
6	Type 6	1.0	333.3	9	0.3333	300.0000000	14
7	Type 6	1.0	333.3	9	0.3333	300.0000000	14
8	Type 6	1.0	333.3	9	0.3333	300.0000000	21
9	Type 6	1.0	333.3	9	0.3333	300.0000000	15
10	Type 6	1.0	333.3	9	0.3333	300.0000000	16
11	Type 6	1.0	333.3	9	0.3333	300.0000000	24
12	Type 6	1.0	333.3	9	0.3333	300.0000000	13
13	Type 6	1.0	333.3	9	0.3333	300.0000000	20
14	Type 6	1.0	333.3	9	0.3333	300.0000000	17
15	Type 6	1.0	333.3	9	0.3333	300.0000000	20
16	Type 6	1.0	333.3	9	0.3333	300.0000000	16
17	Type 6	1.0	333.3	9	0.3333	300.0000000	18
18	Type 6	1.0	333.3	9	0.3333	300.0000000	14
19	Type 6	1.0	333.3	9	0.3333	300.0000000	16
20	Type 6	1.0	333.3	9	0.3333	300.0000000	20
21	Type 6	1.0	333.3	9	0.3333	300.0000000	19
22	Type 6	1.0	333.3	9	0.3333	300.0000000	23
23	Type 6	1.0	333.3	9	0.3333	300.0000000	17
24	Type 6	1.0	333.3	9	0.3333	300.0000000	16
25	Type 6	1.0	333.3	9	0.3333	300.0000000	13
26	Type 6	1.0	333.3	9	0.3333	300.0000000	13
27	Type 6	1.0	333.3	9	0.3333	300.0000000	18
28	Type 6	1.0	333.3	9	0.3333	300.0000000	19
29	Type 6	1.0	333.3	9	0.3333	300.0000000	20

6.5 OPERATION MODES AND REQUIREMENT TEST ITEMS

The manufacture shall state whether the EUT is capable of operating as a Master or a Slave modes,if the EUT is capable of operating in more than one operational mode then every operating mode shall be assessed separately.

Applicability of DFS Requirements Prior to Use of a Channel

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
Uniform Spreading	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Applicability of DFS requirements during normal operation

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

6.6 TEST PROCEDURE

According to KDB 905462 D02v02 Section 7.

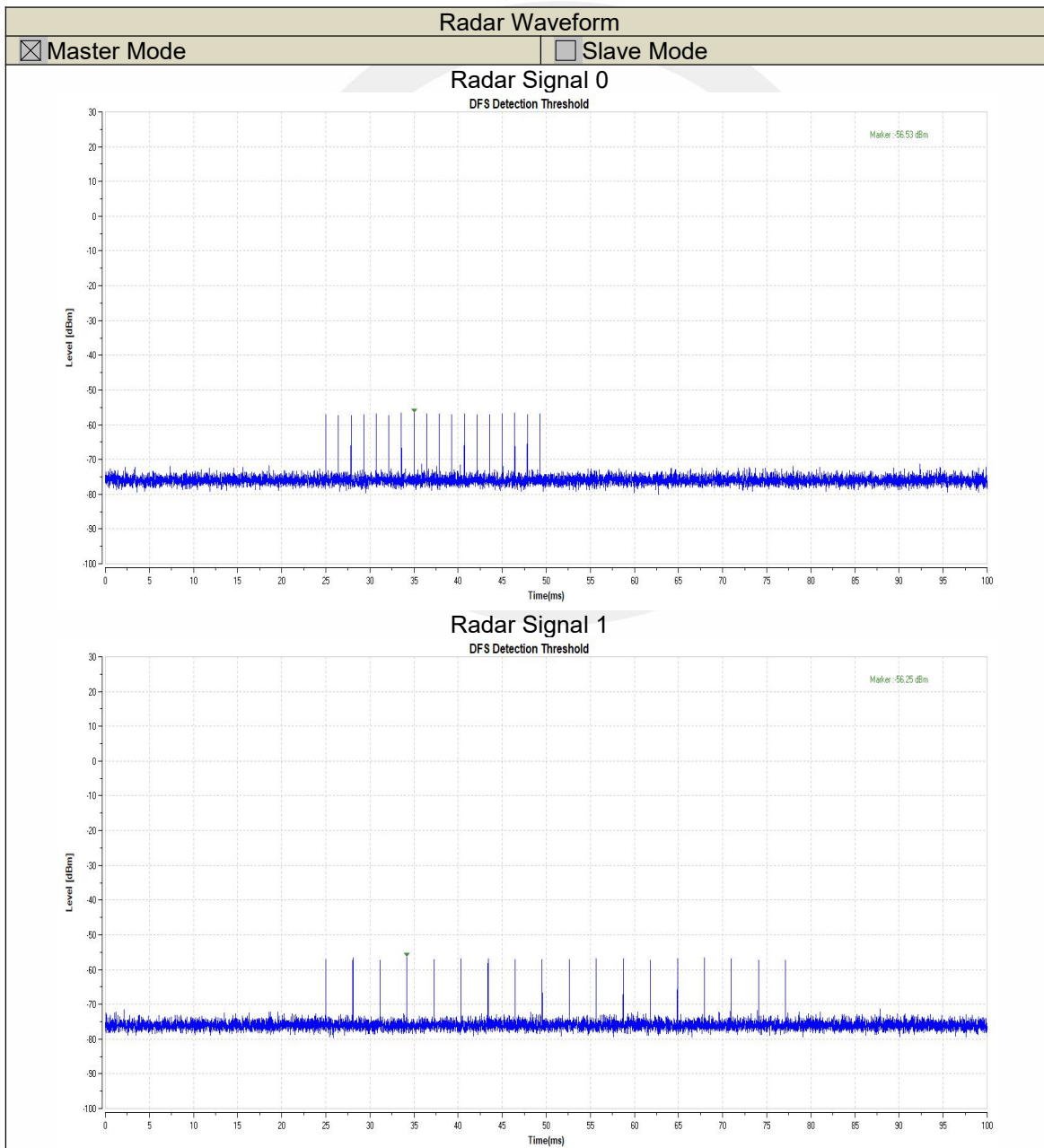
7 TEST RESULT

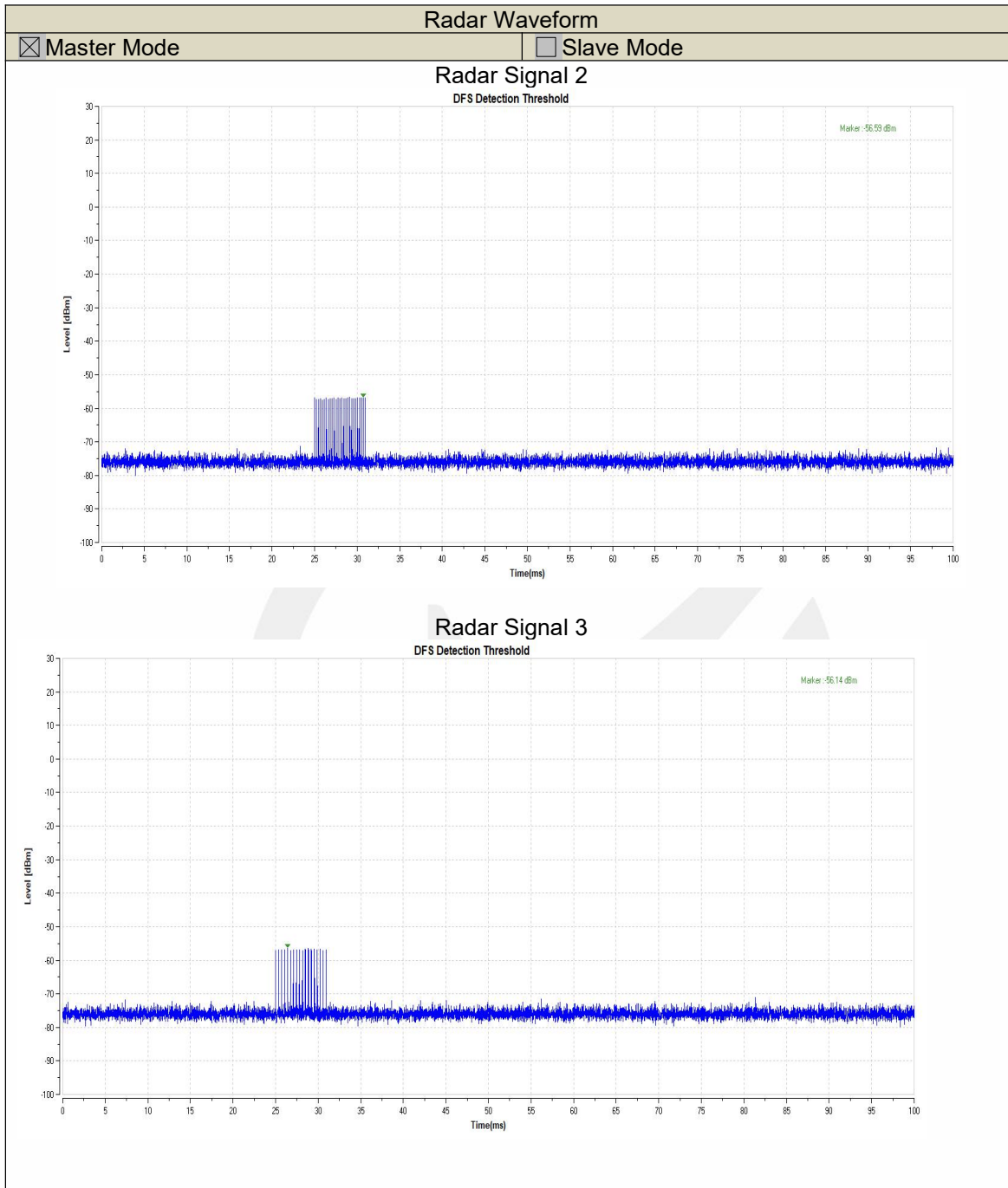
7.1 DFS DETECTION THRESHOLD (1)20MHz

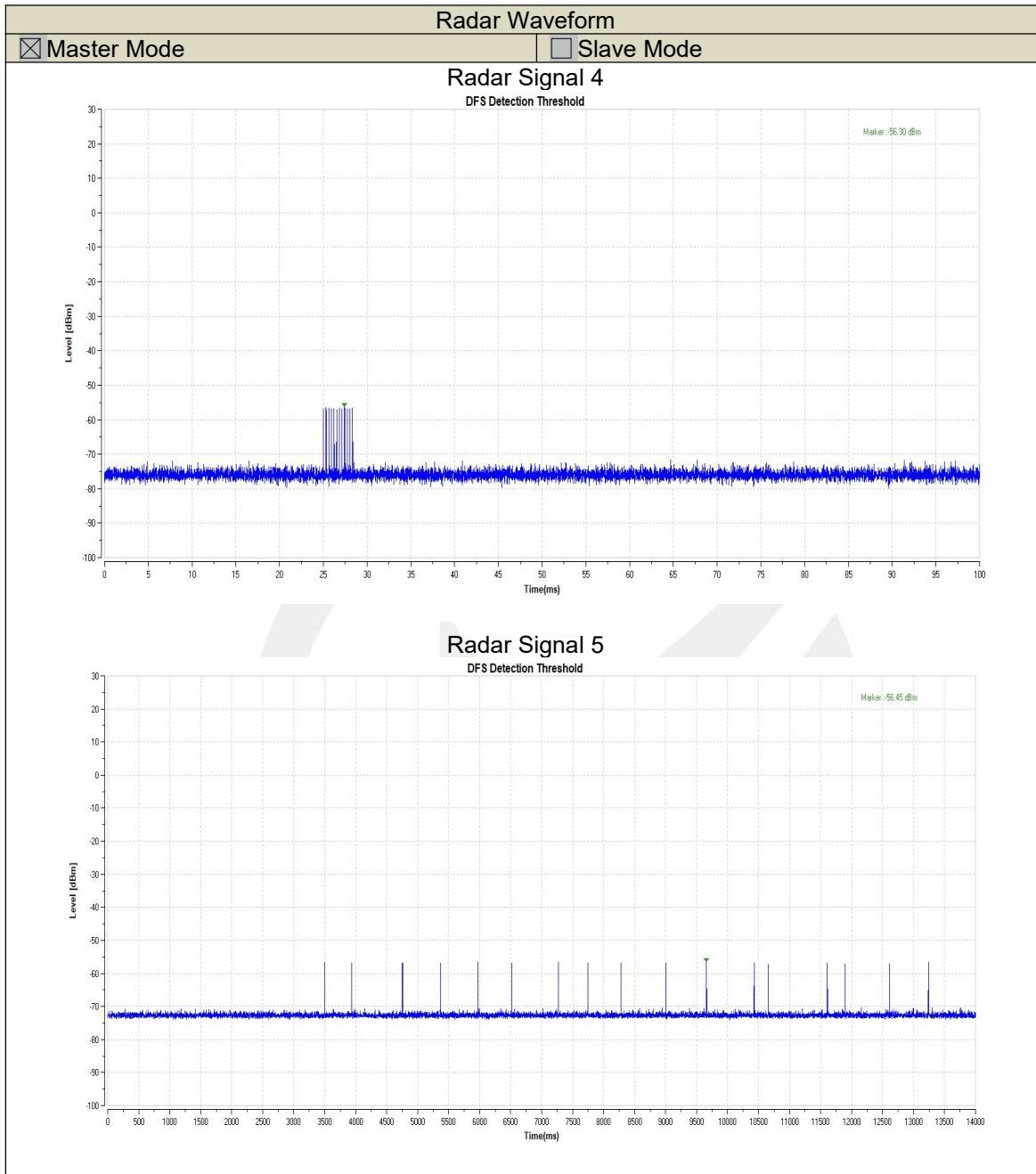
For a detection threshold level of -62dBm and the Master antenna gain is 5.87dBi, required detection threshold is -56.13 dBm. (Note: $-62+5.87=-56.13$).

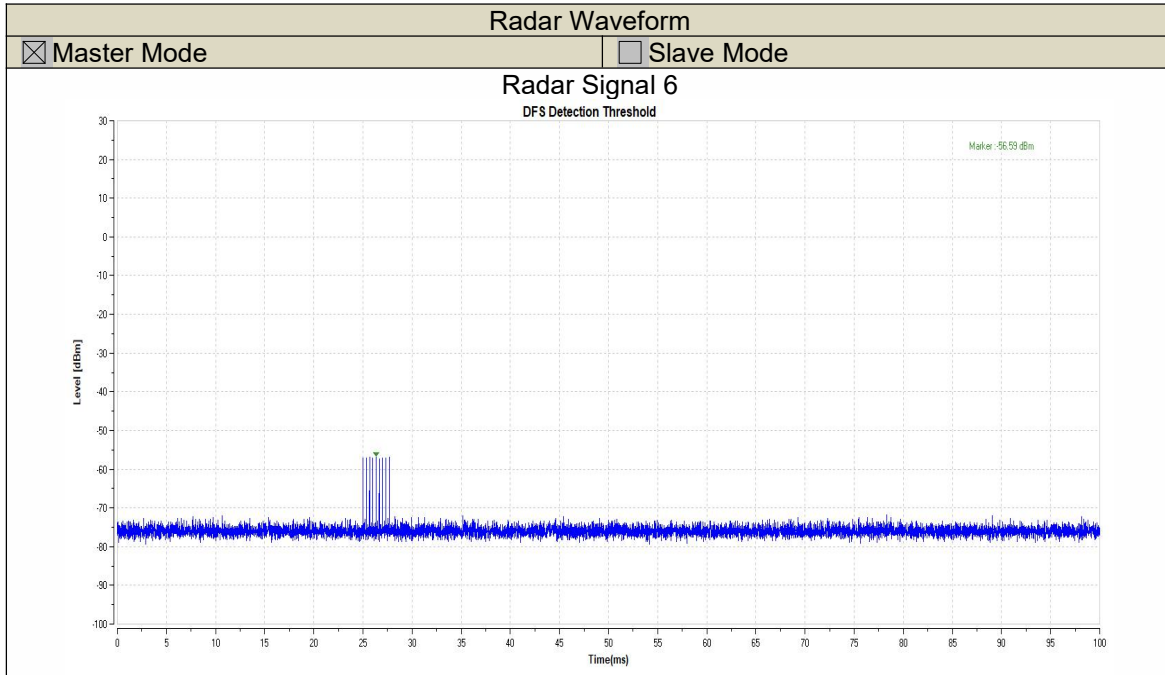
The waveforms that were used for all test mode.

TestMode	Frequency[MHz]	Radar Type	Result[dbm]	Limit[dbm]	Verdict
11AC20	5260	Type0	-56.53	-56.13	PASS
		Type1	-56.25	-56.13	PASS
		Type2	-56.59	-56.13	PASS
		Type3	-56.14	-56.13	PASS
		Type4	-56.30	-56.13	PASS
		Type5	-56.45	-56.13	PASS
		Type6	-56.59	-56.13	PASS







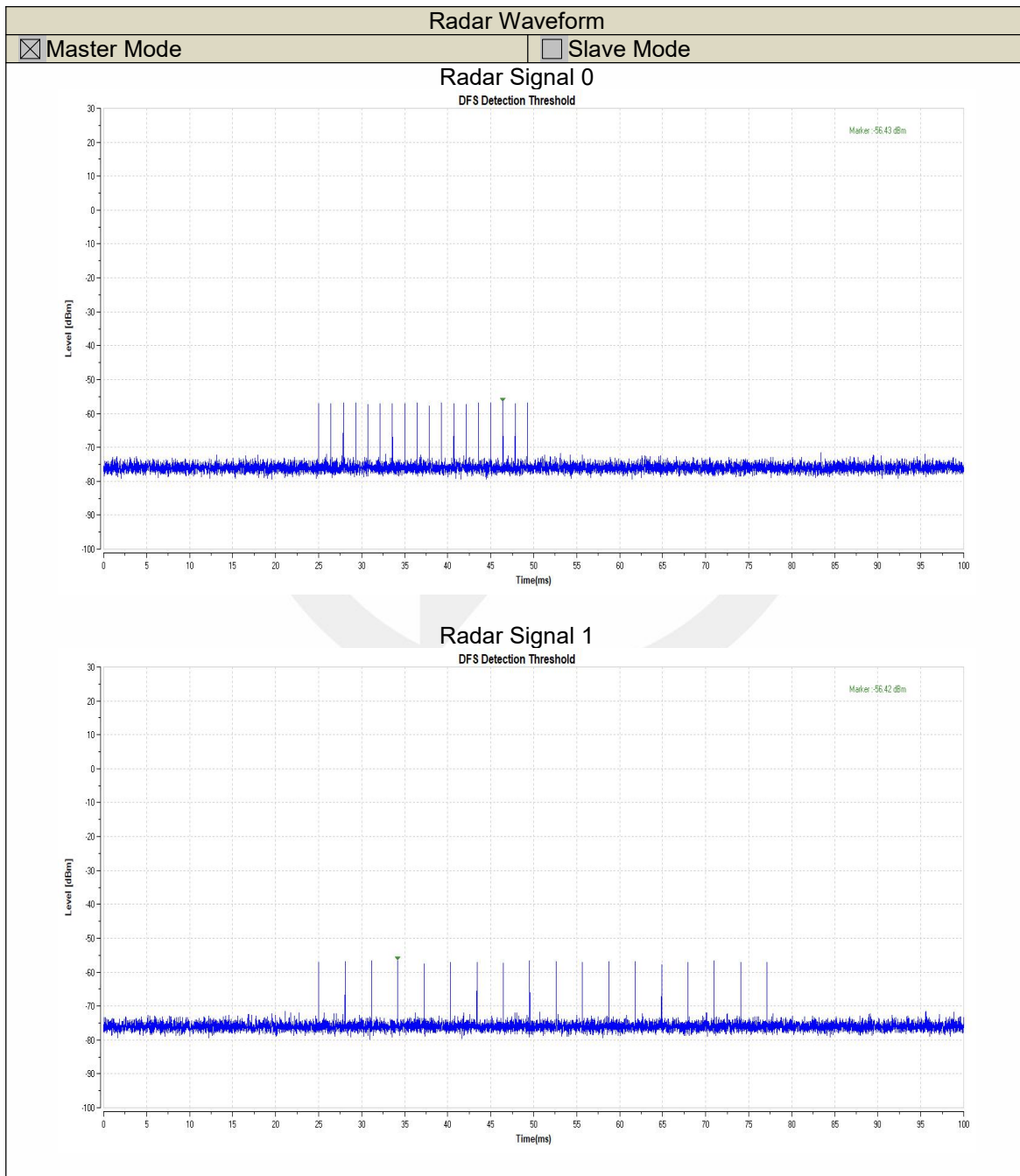


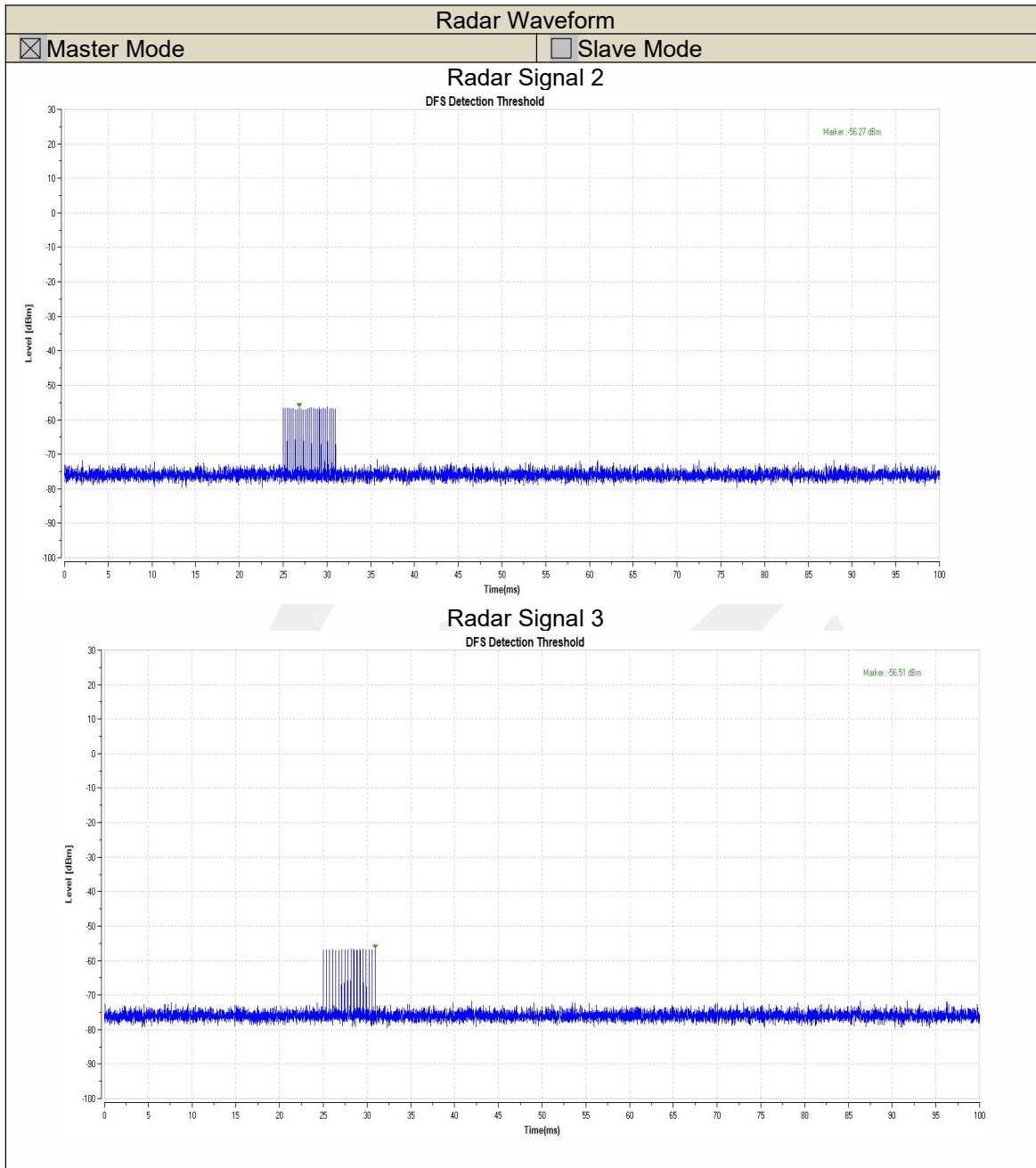
(2)40MHz

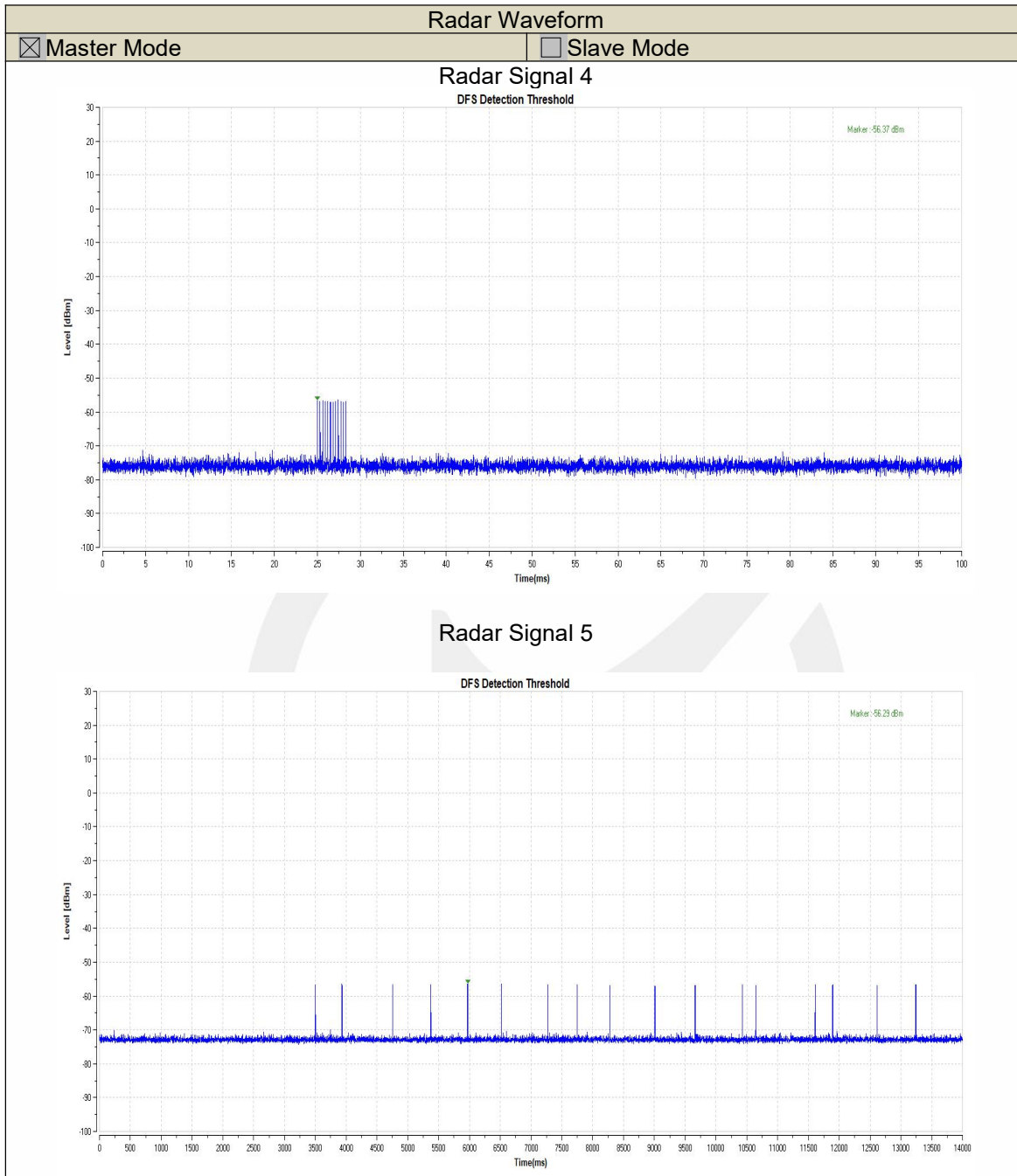
For a detection threshold level of -62dBm and the Master antenna gain is 5.87dBi, required detection threshold is -56.13 dBm. (Note: $-62+5.87=-56.13$).

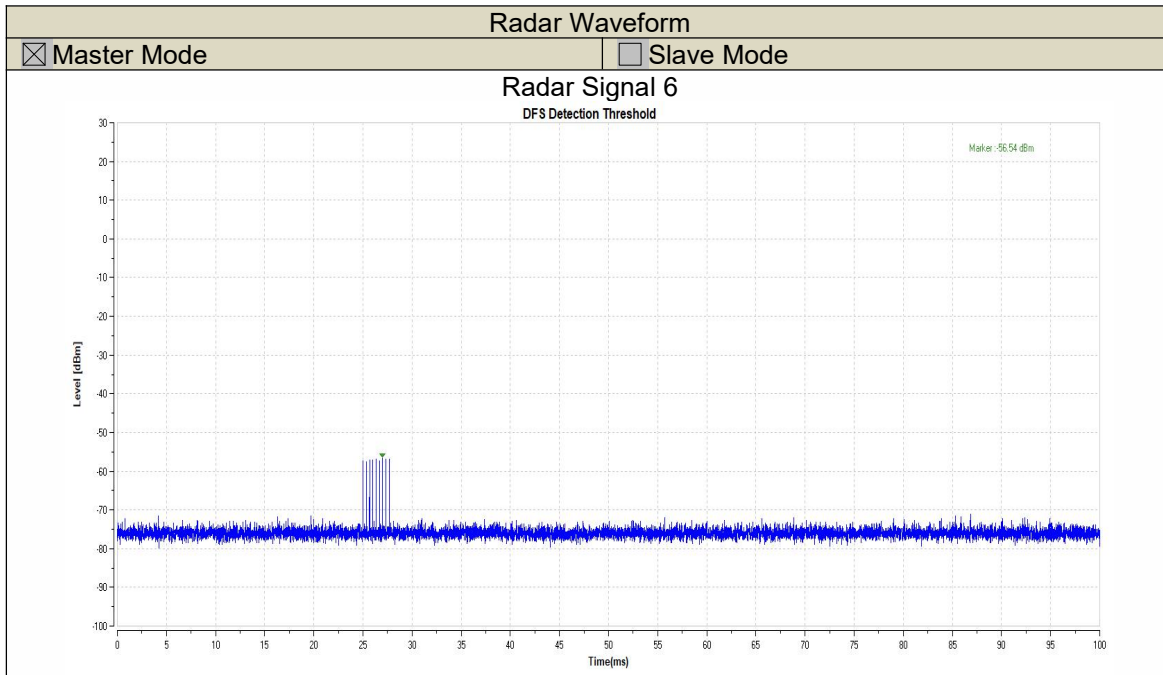
The waveforms that were used for all test mode.

TestMode	Frequency[MHz]	Radar Type	Result[dbm]	Limit[dbm]	Verdict
11AC40	5270	Type0	-56.43	-56.13	PASS
		Type1	-56.42	-56.13	PASS
		Type2	-56.27	-56.13	PASS
		Type3	-56.51	-56.13	PASS
		Type4	-56.37	-56.13	PASS
		Type5	-56.29	-56.13	PASS
		Type6	-56.54	-56.13	PASS







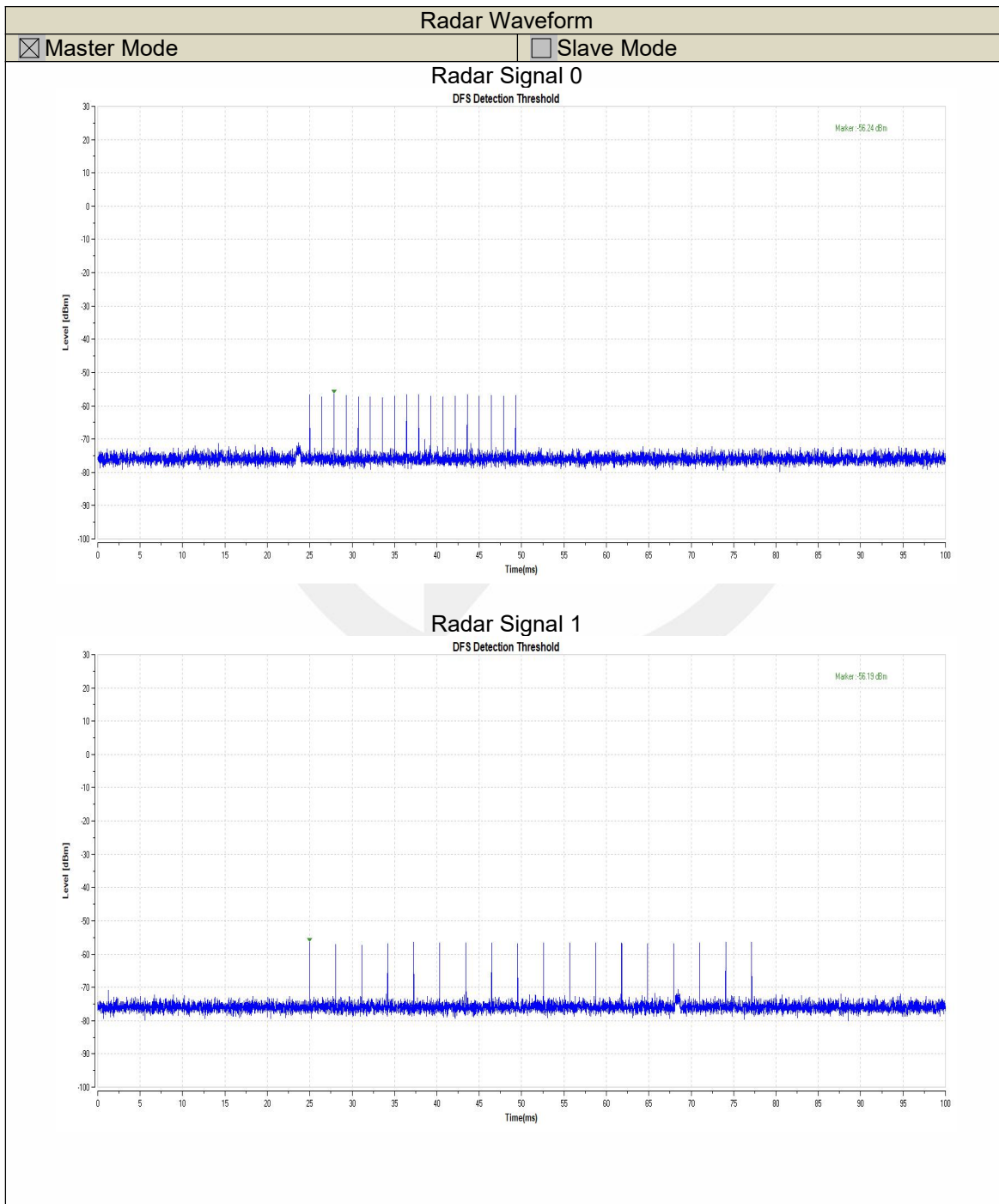


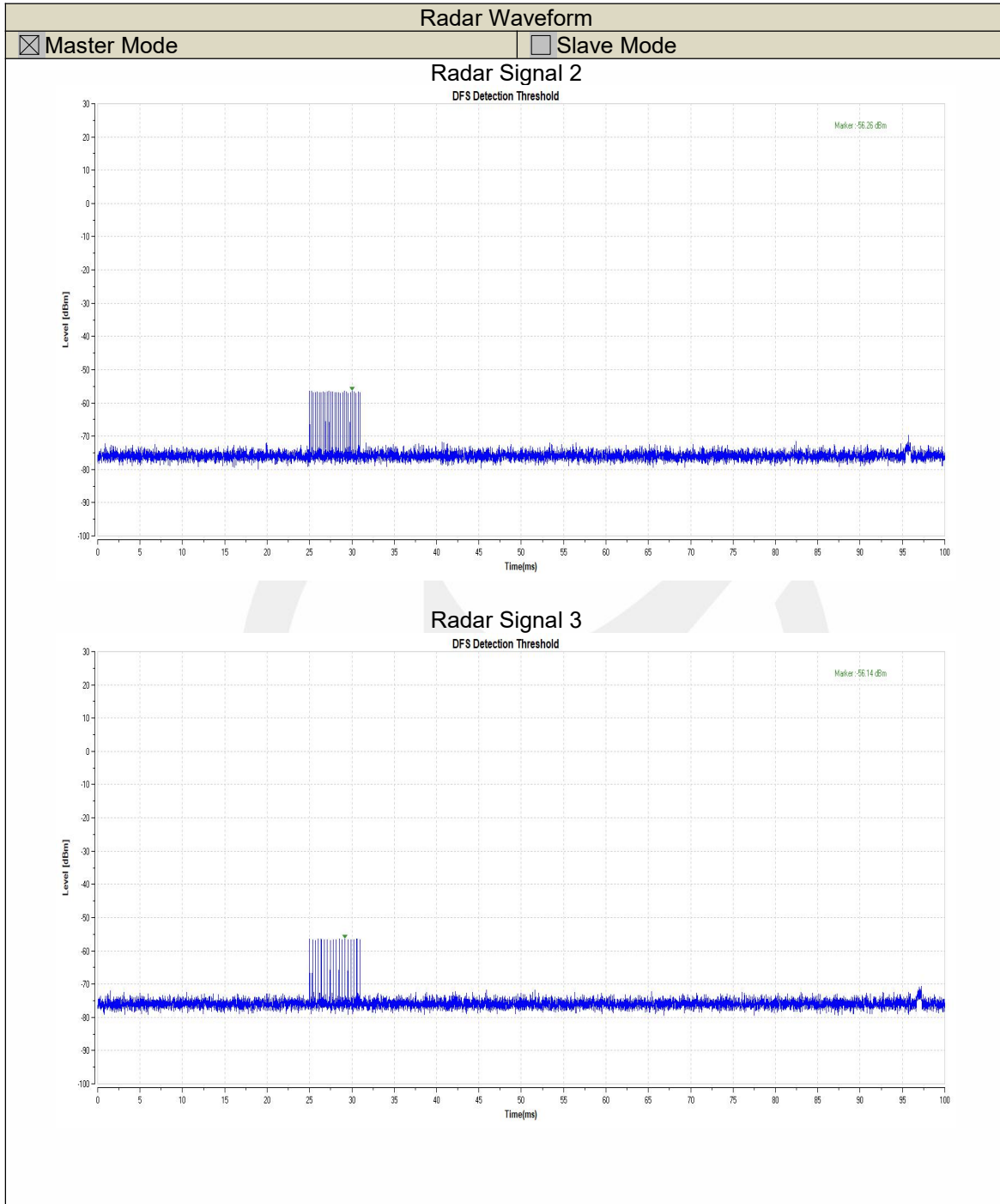
(3)80MHz

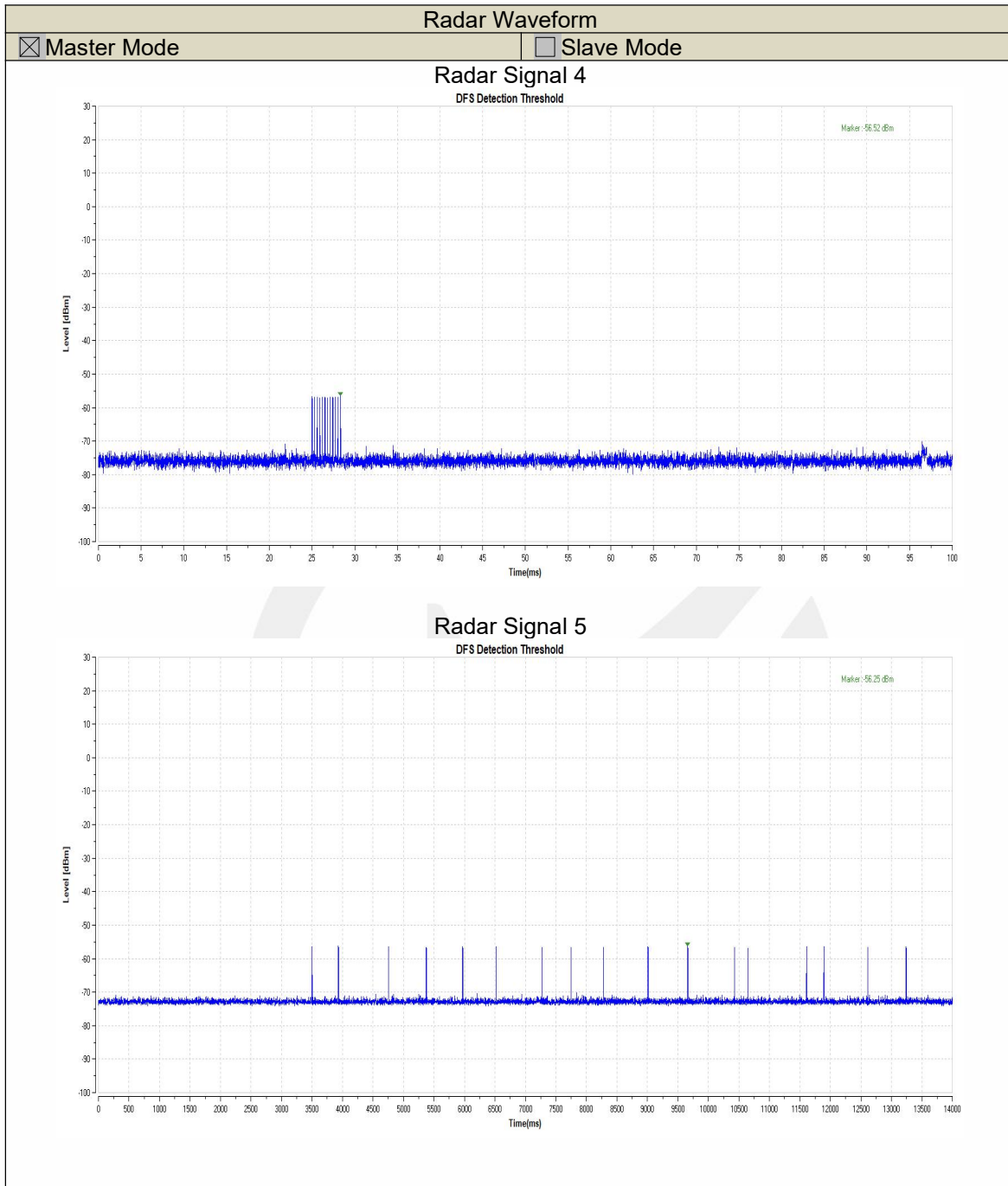
For a detection threshold level of -62dBm and the Master antenna gain is 5.87dBi, required detection threshold is -56.13 dBm. (Note: $-62+5.87=-56.13$).

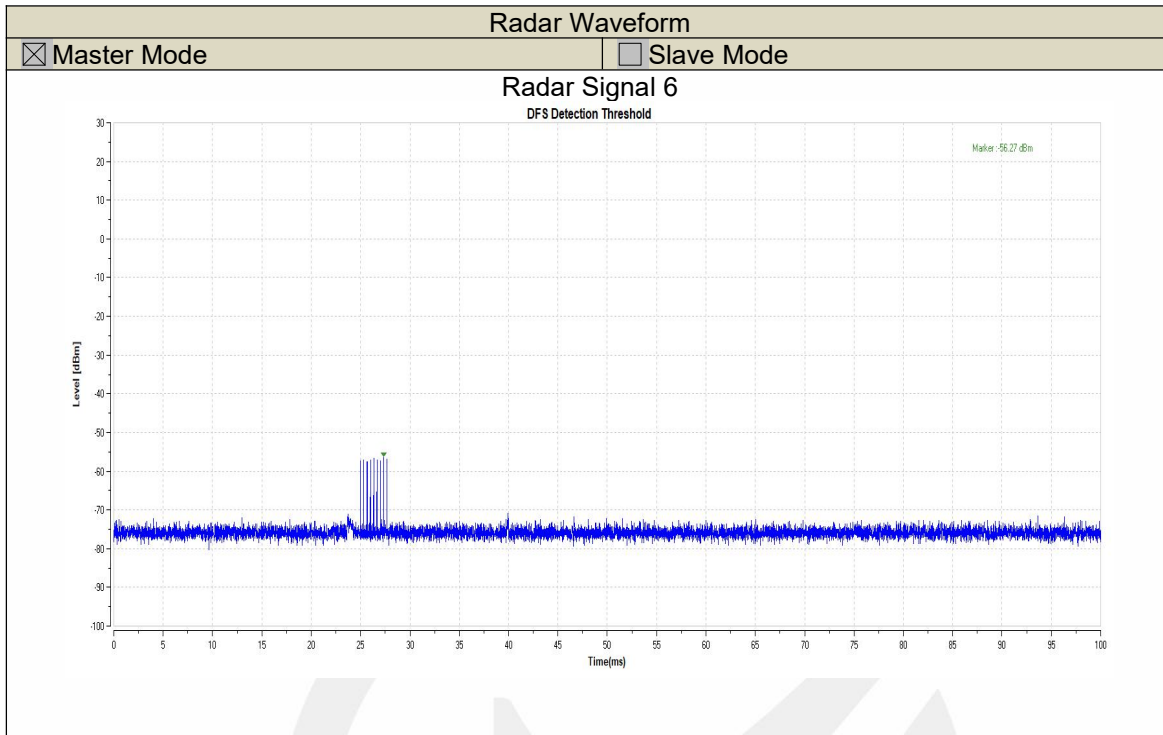
The waveforms that were used for all test mode.

TestMode	Frequency[dbm]	Radar Type	Result	Limit[dbm]	Verdict
11AC80MIMO	5290	Type0	-56.24	-56.13	PASS
		Type1	-56.19	-56.13	PASS
		Type2	-56.26	-56.13	PASS
		Type3	-56.14	-56.13	PASS
		Type4	-56.52	-56.13	PASS
		Type5	-56.25	-56.13	PASS
		Type6	-56.27	-56.13	PASS







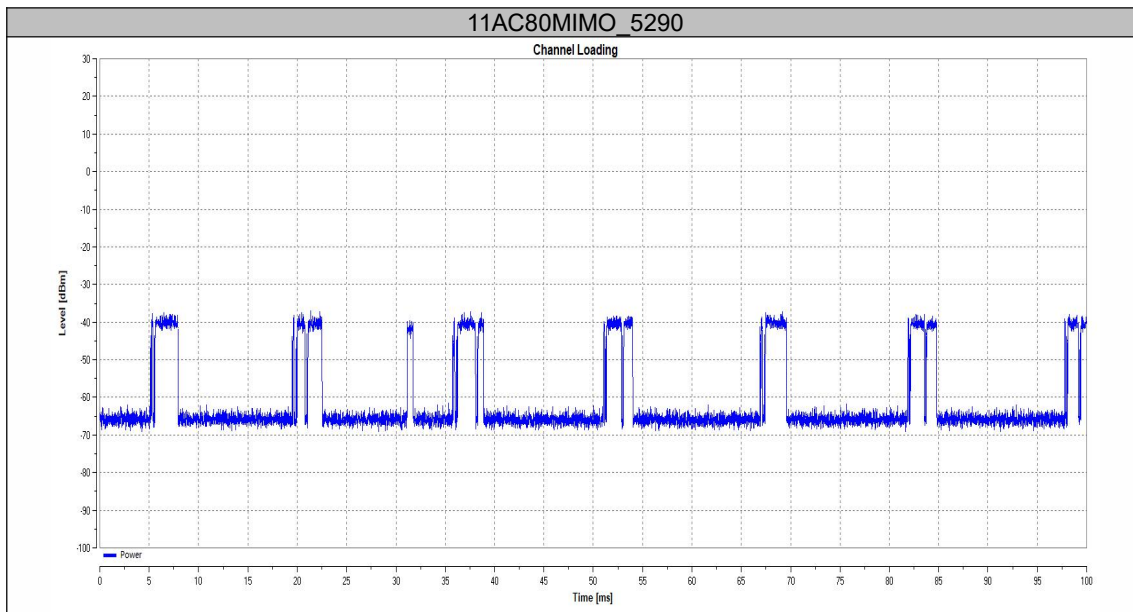


7.2 CHANNEL AVAILABILITY CHECK TIME

If the UUT successfully detected the radar burst, it should be observed as the UUT has no transmissions occurred until the UUT starts transmitting on another channel.

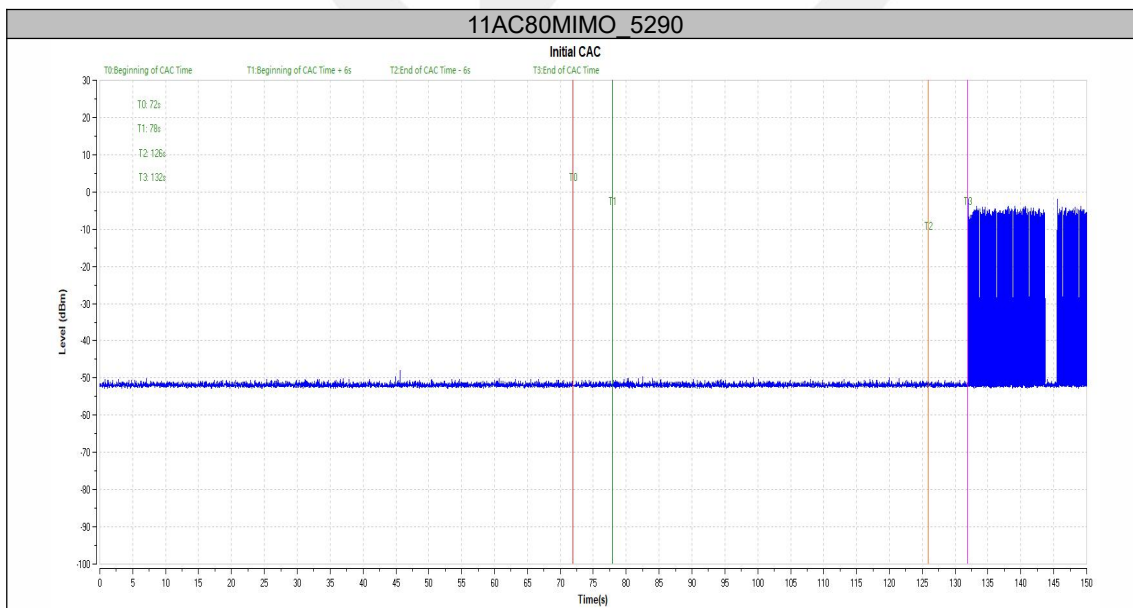
Channel Loading

TestMode	Frequency[MHz]	Result	Limit [%]	Verdict
11AC80MIMO	5290	18.92	17	PASS



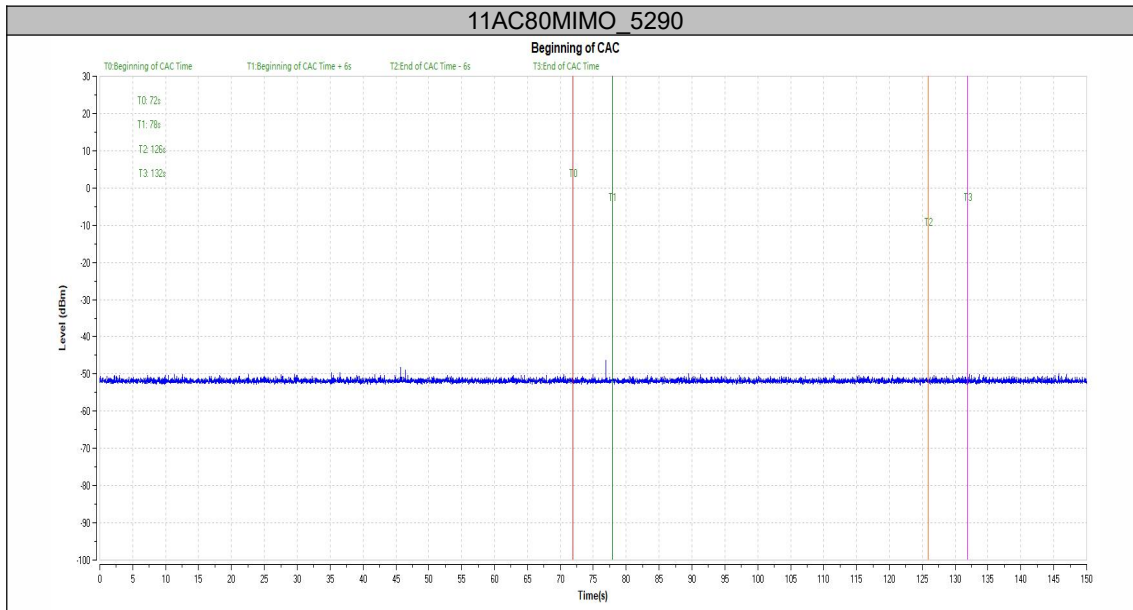
Note: All the modes are tested, only the worst data are described in the report.

Initial Channel Availability Check Time



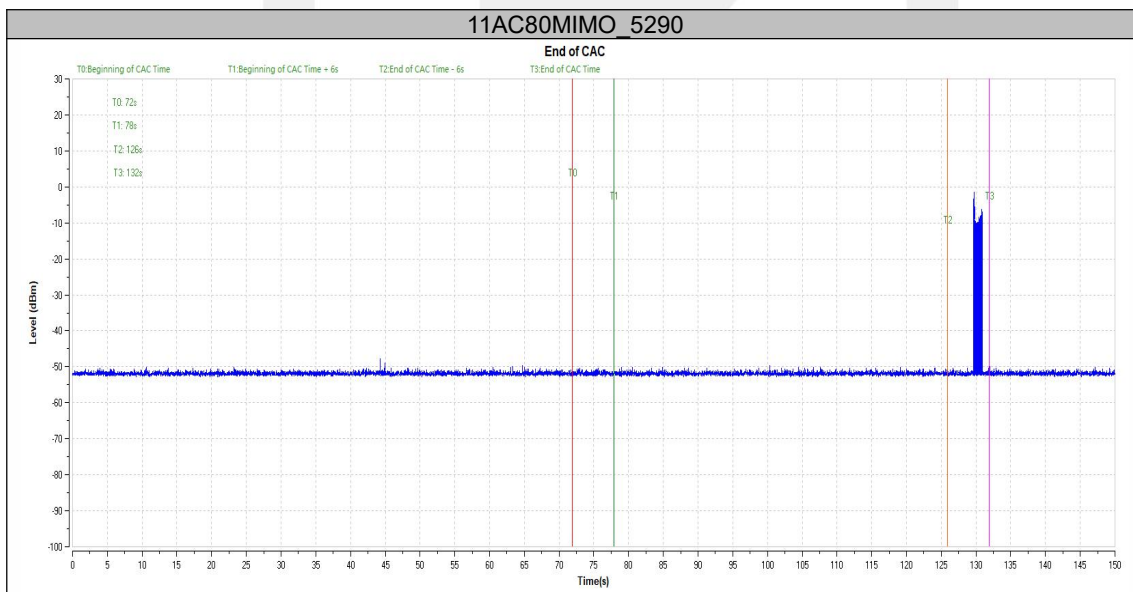
Note: All the modes are tested, only the worst data are described in the report.

Beginning of Channel Availability Check Time



Note: All the modes are tested, only the worst data are described in the report.

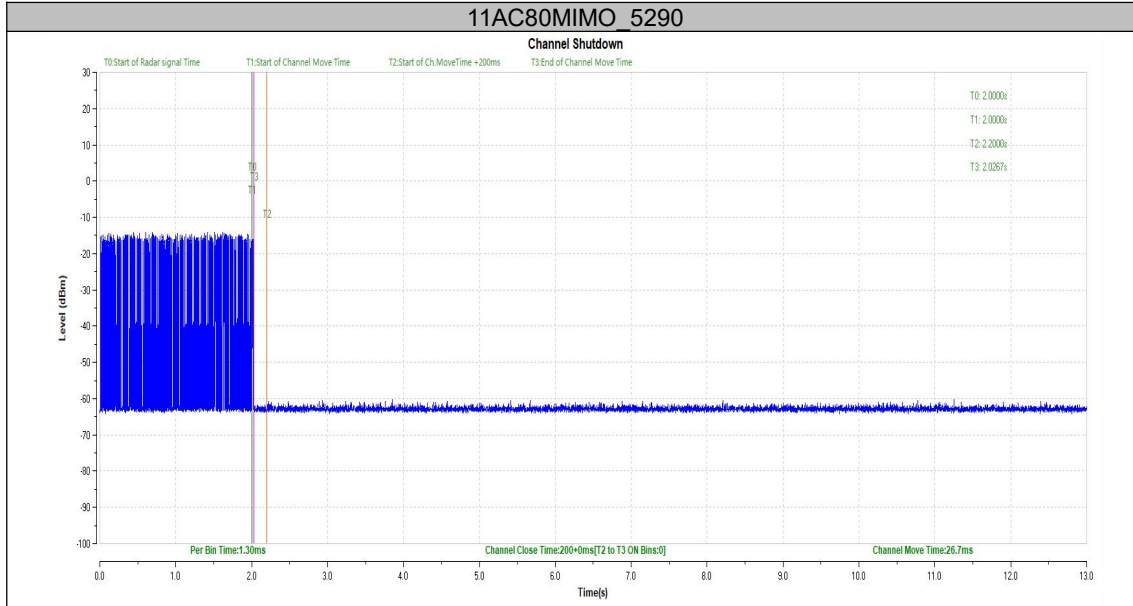
End of Channel Availability Check Time



Note: All the modes are tested, only the worst data are described in the report.

Channel Move Time and Channel Closing

TestMode	Frequency[MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80MIMO	5290	200+0	200+60	26.7	10000	PASS



Note: All the modes are tested, only the worst data are described in the report.

Statistical Performance check

TestMode	Frequency[MHz]	Radar Type	Pass Times	Fail Times	Probability (%)	Limit (%)	Verdict
11A	5260	Type1	29	1	96.67	60	PASS
		Type2	28	2	93.33	60	PASS
		Type3	28	2	93.33	60	PASS
		Type4	29	1	96.67	60	PASS
		Type 1-4	---	---	95.00	80	PASS
	5500	Type1	28	2	93.33	60	PASS
		Type2	29	1	96.67	60	PASS
		Type3	27	3	90.00	60	PASS
		Type4	29	1	96.67	60	PASS
		Type 1-4	---	---	94.17	80	PASS
11N40MIMO	5270	Type1	28	2	93.33	60	PASS
		Type2	30	0	100.00	60	PASS
		Type3	29	1	96.67	60	PASS
		Type4	28	2	93.33	60	PASS
		Type 1-4	---	---	95.84	80	PASS
	5510	Type1	27	3	90.00	60	PASS
		Type2	28	2	93.33	60	PASS
		Type3	28	2	93.33	60	PASS
		Type4	29	1	96.67	60	PASS
		Type 1-4	---	---	93.33	80	PASS
11AC80MIMO	5290	Type1	28	2	96.67	60	PASS
		Type2	29	1	93.33	60	PASS
		Type3	30	0	100.00	60	PASS
		Type4	27	3	90.00	60	PASS
		Type 1-4	---	---	95.00	80	PASS
		Type5	28	2	96.67	70	PASS
		Type6	29	1	96.67	80	PASS

TestMode	Frequency[MHz]	Radar Type	Trial ID	Detection
				(1: Yes; 0: No)
11A	5260	Type1	0	1
		Type1	1	1
		Type1	2	1
		Type1	3	1
		Type1	4	1
		Type1	5	1
		Type1	6	1
		Type1	7	0
		Type1	8	1
		Type1	9	1
		Type1	10	1
		Type1	11	1
		Type1	12	1
		Type1	13	1
		Type1	14	1
		Type1	15	1
		Type1	16	1
		Type1	17	1
		Type1	18	1
		Type1	19	1
		Type1	20	1
		Type1	21	1
		Type1	22	1
		Type1	23	1
		Type1	24	1
		Type1	25	1
		Type1	26	1
		Type1	27	1
		Type1	28	1
		Type1	29	1
Type2	0	1		
Type2	1	1		
Type2	2	1		
Type2	3	1		
Type2	4	1		
Type2	5	1		

Type2	6	0
Type2	7	1
Type2	8	1
Type2	9	1
Type2	10	1
Type2	11	1
Type2	12	1
Type2	13	1
Type2	14	1
Type2	15	1
Type2	16	1
Type2	17	0
Type2	18	1
Type2	19	1
Type2	20	1
Type2	21	1
Type2	22	1
Type2	23	1
Type2	24	1
Type2	25	1
Type2	26	1
Type2	27	1
Type2	28	1
Type2	29	1
Type3	0	1
Type3	1	1
Type3	2	1
Type3	3	1
Type3	4	1
Type3	5	1
Type3	6	1
Type3	7	1
Type3	8	1
Type3	9	0
Type3	10	1
Type3	11	1
Type3	12	1
Type3	13	1
Type3	14	1

Type3	15	0
Type3	16	1
Type3	17	1
Type3	18	1
Type3	19	1
Type3	20	1
Type3	21	1
Type3	22	1
Type3	23	1
Type3	24	1
Type3	25	1
Type3	26	1
Type3	27	1
Type3	28	1
Type3	29	1
Type4	0	1
Type4	1	1
Type4	2	1
Type4	3	1
Type4	4	1
Type4	5	1
Type4	6	0
Type4	7	1
Type4	8	1
Type4	9	1
Type4	10	1
Type4	11	1
Type4	12	1
Type4	13	1
Type4	14	1
Type4	15	1
Type4	16	1
Type4	17	1
Type4	18	1
Type4	19	1
Type4	20	1
Type4	21	1
Type4	22	1
Type4	23	1

		Type4	24	1
		Type4	25	1
		Type4	26	1
		Type4	27	1
		Type4	28	1
		Type4	29	1
	5500	Type1	0	1
		Type1	1	1
		Type1	2	1
		Type1	3	1
		Type1	4	1
		Type1	5	1
		Type1	6	0
		Type1	7	1
		Type1	8	1
		Type1	9	1
		Type1	10	1
		Type1	11	1
		Type1	12	1
		Type1	13	1
		Type1	14	1
		Type1	15	0
		Type1	16	1
		Type1	17	1
		Type1	18	1
		Type1	19	1
		Type1	20	1
		Type1	21	1
		Type1	22	1
		Type1	23	1
		Type1	24	1
		Type1	25	1
		Type1	26	1
		Type1	27	1
		Type1	28	1
		Type1	29	1
		Type2	0	1
		Type2	1	1
	Type2	2	1	

Type2	3	1
Type2	4	1
Type2	5	1
Type2	6	1
Type2	7	1
Type2	8	1
Type2	9	1
Type2	10	1
Type2	11	1
Type2	12	0
Type2	13	1
Type2	14	1
Type2	15	1
Type2	16	1
Type2	17	1
Type2	18	1
Type2	19	1
Type2	20	1
Type2	21	1
Type2	22	1
Type2	23	1
Type2	24	1
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Type2	29	1
Type3	0	1
Type3	1	1
Type3	2	1
Type3	3	1
Type3	4	1
Type3	5	1
Type3	6	0
Type3	7	1
Type3	8	1
Type3	9	1
Type3	10	1
Type3	11	1

Type3	12	0
Type3	13	1
Type3	14	1
Type3	15	1
Type3	16	1
Type3	17	1
Type3	18	1
Type3	19	0
Type3	20	1
Type3	21	1
Type3	22	1
Type3	23	1
Type3	24	1
Type3	25	1
Type3	26	1
Type3	27	1
Type3	28	1
Type3	29	1
Type4	0	1
Type4	1	1
Type4	2	1
Type4	3	1
Type4	4	1
Type4	5	1
Type4	6	1
Type4	7	1
Type4	8	1
Type4	9	1
Type4	10	1
Type4	11	1
Type4	12	1
Type4	13	1
Type4	14	1
Type4	15	1
Type4	16	1
Type4	17	1
Type4	18	1
Type4	19	1
Type4	20	0

		Type4	21	1
		Type4	22	1
		Type4	23	1
		Type4	24	1
		Type4	25	1
		Type4	26	1
		Type4	27	1
		Type4	28	1
		Type4	29	1
11N40MIMO	5270	Type1	0	1
		Type1	1	1
		Type1	2	1
		Type1	3	1
		Type1	4	1
		Type1	5	1
		Type1	6	1
		Type1	7	0
		Type1	8	1
		Type1	9	1
		Type1	10	1
		Type1	11	1
		Type1	12	1
		Type1	13	1
		Type1	14	1
		Type1	15	1
		Type1	16	1
		Type1	17	1
		Type1	18	0
		Type1	19	1
		Type1	20	1
		Type1	21	1
		Type1	22	1
		Type1	23	1
		Type1	24	1
		Type1	25	1
		Type1	26	1
		Type1	27	1
		Type1	28	1
Type1	29	1		

Type2	0	1
Type2	1	1
Type2	2	1
Type2	3	1
Type2	4	1
Type2	5	1
Type2	6	1
Type2	7	1
Type2	8	1
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Type2	10	1
Type2	11	1
Type2	12	1
Type2	13	1
Type2	14	1
Type2	15	1
Type2	16	1
Type2	17	1
Type2	18	1
Type2	19	1
Type2	20	1
Type2	21	1
Type2	22	1
Type2	23	1
Type2	24	1
Type2	25	1
Type2	26	1
Type2	27	1
Type2	28	1
Type2	29	1
Type3	0	1
Type3	1	1
Type3	2	1
Type3	3	1
Type3	4	1
Type3	5	1
Type3	6	1
Type3	7	1
Type3	8	1

Type3	9	1
Type3	10	1
Type3	11	0
Type3	12	1
Type3	13	1
Type3	14	1
Type3	15	1
Type3	16	1
Type3	17	1
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Type3	19	1
Type3	20	1
Type3	21	1
Type3	22	1
Type3	23	1
Type3	24	1
Type3	25	1
Type3	26	1
Type3	27	1
Type3	28	1
Type3	29	1
Type4	0	1
Type4	1	1
Type4	2	1
Type4	3	1
Type4	4	1
Type4	5	1
Type4	6	1
Type4	7	1
Type4	8	1
Type4	9	0
Type4	10	1
Type4	11	1
Type4	12	1
Type4	13	1
Type4	14	1
Type4	15	1
Type4	16	1
Type4	17	1

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		Type4	19	1
		Type4	20	0
		Type4	21	1
		Type4	22	1
		Type4	23	1
		Type4	24	1
		Type4	25	1
		Type4	26	1
		Type4	27	1
		Type4	28	1
		Type4	29	1
	5510	Type1	0	1
		Type1	1	1
		Type1	2	1
		Type1	3	1
		Type1	4	0
		Type1	5	1
		Type1	6	1
		Type1	7	1
		Type1	8	1
		Type1	9	1
		Type1	10	1
		Type1	11	1
		Type1	12	1
		Type1	13	1
		Type1	14	0
		Type1	15	1
		Type1	16	1
		Type1	17	1
		Type1	18	1
		Type1	19	1
		Type1	20	1
		Type1	21	1
		Type1	22	1
		Type1	23	1
		Type1	24	1
		Type1	25	1
	Type1	26	1	

		Type1	27	1
		Type1	28	0
		Type1	29	1
		Type2	0	1
		Type2	1	1
		Type2	2	1
		Type2	3	1
		Type2	4	1
		Type2	5	1
		Type2	6	1
		Type2	7	1
		Type2	8	1
		Type2	9	1
		Type2	10	1
		Type2	11	0
		Type2	12	1
		Type2	13	1
		Type2	14	1
		Type2	15	1
		Type2	16	1
		Type2	17	1
		Type2	18	1
		Type2	19	1
		Type2	20	0
		Type2	21	1
		Type2	22	1
		Type2	23	1
		Type2	24	1
		Type2	25	1
		Type2	26	1
		Type2	27	1
		Type2	28	1
		Type2	29	1
		Type3	0	1
		Type3	1	1
		Type3	2	1
		Type3	3	1
		Type3	4	1
		Type3	5	1

Type3	6	1
Type3	7	1
Type3	8	1
Type3	9	1
Type3	10	0
Type3	11	1
Type3	12	1
Type3	13	1
Type3	14	1
Type3	15	1
Type3	16	1
Type3	17	1
Type3	18	1
Type3	19	1
Type3	20	1
Type3	21	0
Type3	22	1
Type3	23	1
Type3	24	1
Type3	25	1
Type3	26	1
Type3	27	1
Type3	28	1
Type3	29	1
Type4	0	1
Type4	1	1
Type4	2	1
Type4	3	1
Type4	4	1
Type4	5	1
Type4	6	1
Type4	7	1
Type4	8	1
Type4	9	0
Type4	10	1
Type4	11	1
Type4	12	1
Type4	13	1
Type4	14	1

		Type4	15	1
		Type4	16	1
		Type4	17	1
		Type4	18	1
		Type4	19	1
		Type4	20	1
		Type4	21	1
		Type4	22	1
		Type4	23	1
		Type4	24	1
		Type4	25	1
		Type4	26	1
		Type4	27	1
		Type4	28	1
		Type4	29	1
11AC80MIMO	5290	Type1	0	1
		Type1	1	1
		Type1	2	1
		Type1	3	1
		Type1	4	1
		Type1	5	1
		Type1	6	0
		Type1	7	1
		Type1	8	1
		Type1	9	1
		Type1	10	1
		Type1	11	1
		Type1	12	1
		Type1	13	1
		Type1	14	1
		Type1	15	0
		Type1	16	1
		Type1	17	1
		Type1	18	1
		Type1	19	1
		Type1	20	1
		Type1	21	1
		Type1	22	1
Type1	23	1		

	Type1	24	1
	Type1	25	1
	Type1	26	1
	Type1	27	1
	Type1	28	1
	Type1	29	1
	Type2	0	1
	Type2	1	1
	Type2	2	1
	Type2	3	1
	Type2	4	1
	Type2	5	1
	Type2	6	1
	Type2	7	1
	Type2	8	1
	Type2	9	1
	Type2	10	1
	Type2	11	1
	Type2	12	1
	Type2	13	1
	Type2	14	1
	Type2	15	1
	Type2	16	0
	Type2	17	1
	Type2	18	1
	Type2	19	1
	Type2	20	1
	Type2	21	1
	Type2	22	1
	Type2	23	1
	Type2	24	1
	Type2	25	1
	Type2	26	1
	Type2	27	1
	Type2	28	1
	Type2	29	1
	Type3	0	1
	Type3	1	1
	Type3	2	1

Type3	3	1
Type3	4	1
Type3	5	1
Type3	6	1
Type3	7	1
Type3	8	1
Type3	9	1
Type3	10	1
Type3	11	1
Type3	12	1
Type3	13	1
Type3	14	1
Type3	15	1
Type3	16	1
Type3	17	1
Type3	18	1
Type3	19	1
Type3	20	1
Type3	21	1
Type3	22	1
Type3	23	1
Type3	24	1
Type3	25	1
Type3	26	1
Type3	27	1
Type3	28	1
Type3	29	1
Type4	0	1
Type4	1	1
Type4	2	1
Type4	3	1
Type4	4	1
Type4	5	0
Type4	6	1
Type4	7	1
Type4	8	1
Type4	9	1
Type4	10	1
Type4	11	1

		Type4	12	1
		Type4	13	0
		Type4	14	1
		Type4	15	1
		Type4	16	1
		Type4	17	1
		Type4	18	1
		Type4	19	1
		Type4	20	1
		Type4	21	1
		Type4	22	1
		Type4	23	1
		Type4	24	1
		Type4	25	1
		Type4	26	1
		Type4	27	0
		Type4	28	1
		Type4	29	1

TestMode	Frequency[MHz]	Radar Type	Trial ID	Detection (1: Yes; 0: No)
11AC80MIMO	5290	Type5	0	1
		Type5	1	1
		Type5	2	1
		Type5	3	1
		Type5	4	1
		Type5	5	1
		Type5	6	0
		Type5	7	1
		Type5	8	1
		Type5	9	1
		Type5	10	1
		Type5	11	1
		Type5	12	1
		Type5	13	1
		Type5	14	0
		Type5	15	1
		Type5	16	1
		Type5	17	1
		Type5	18	1
		Type5	19	1
		Type5	20	1
		Type5	21	1
		Type5	22	1
		Type5	23	1
		Type5	24	1
		Type5	25	1
		Type5	26	1
		Type5	27	1
		Type5	28	1
Type5	29	1		

Note: All the modes are tested, only the worst data are described in the report.

TestMode	Frequency[MHz]	Radar Type	Trial ID	Detection (1: Yes; 0: No)
11AC80MIMO	5290	Type6	0	1
		Type6	1	1
		Type6	2	1
		Type6	3	1
		Type6	4	1
		Type6	5	1
		Type6	6	1
		Type6	7	1
		Type6	8	1
		Type6	9	1
		Type6	10	1
		Type6	11	0
		Type6	12	1
		Type6	13	1
		Type6	14	1
		Type6	15	1
		Type6	16	1
		Type6	17	1
		Type6	18	1
		Type6	19	1
		Type6	20	1
		Type6	21	1
		Type6	22	1
		Type6	23	1
		Type6	24	1
		Type6	25	1
		Type6	26	1
		Type6	27	1
		Type6	28	1
		Type6	29	1

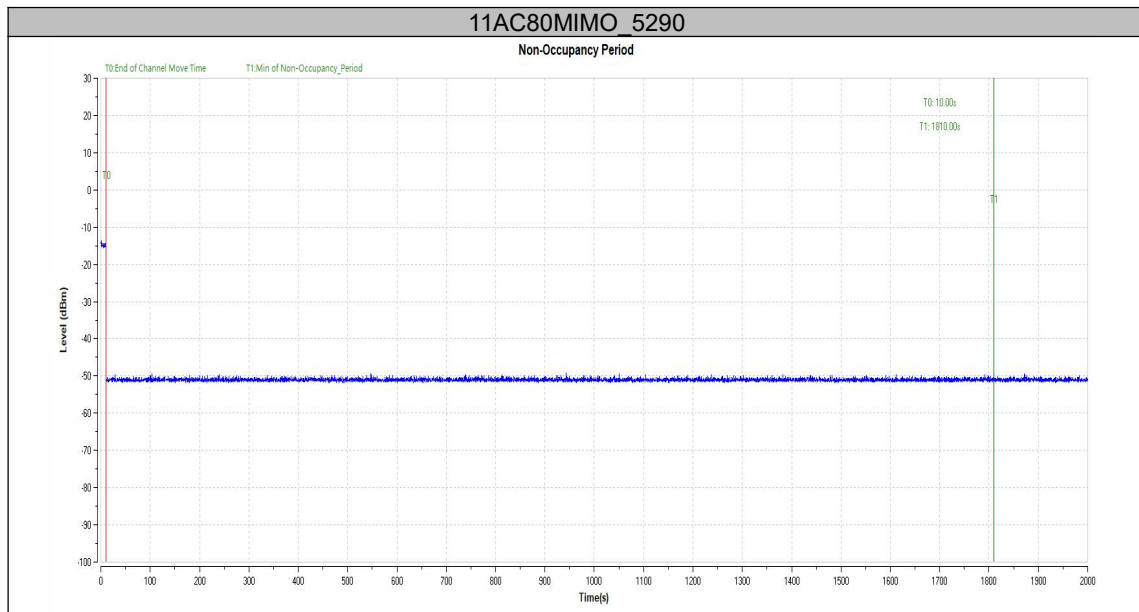
Note:

All the modes are tested, only the worst data are described in the report.

The detailed parameters of the radar signal can be found in the local corresponding table file(in the software local folder DFS_Wave List).

7.3 NON- OCCUPANCY PERIOD

During the 30 minutes observation time, UUT did not make any transmissions on a channel after a radar signal was detected on that channel by either the Channel Availability Check or the In-Service Monitoring.



Note: All the modes are tested, only the worst data are described in the report.

7.4 UNIFORM SPREADING

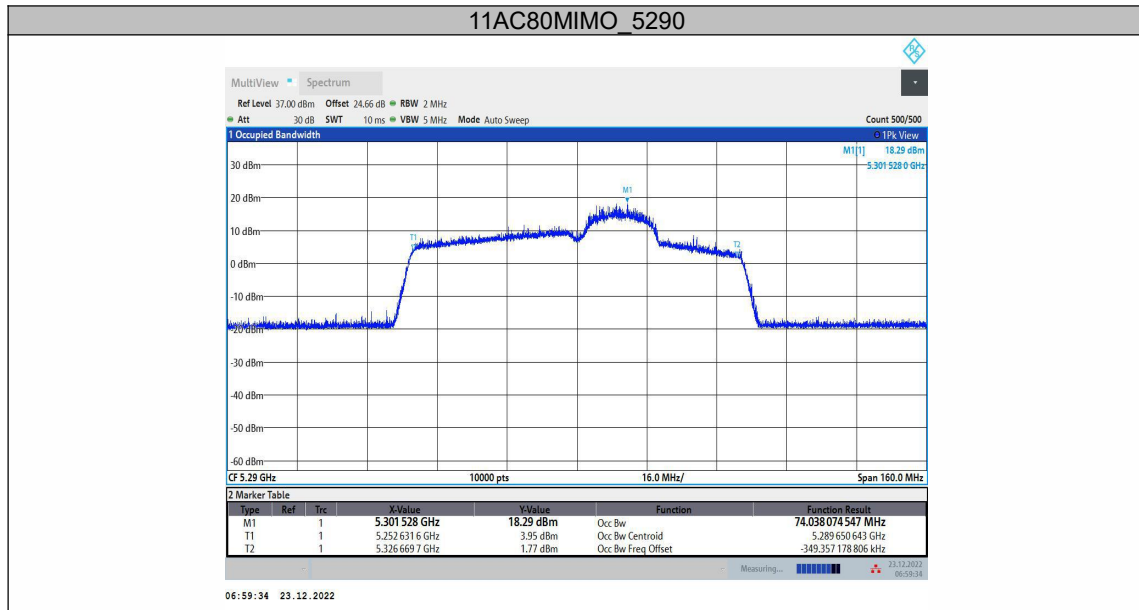
The intention of the uniform spreading is to provide, on aggregate, a uniform loading of the spectrum. The UUT using the bands 5250 to 5350MHz and 5470 to 5600 MHz channels so that the probability of electing a given channel shall be the same for channels. The UUT will select channel by random mode and remember this channel when detect radar signal, so that will select unused channel by random mode.

7.5 U-NII DETECTION BANDWIDTH

TestMode	Frequency[MHz]	FL[MHz]	FH[MHz]	Detection Bandwidth [MHz]	OCB [MHz]	Ratio [%]	Limit [%]	Verdict
11A	5260	5250	5270	20	17.229	116.08	≥100	PASS
	5500	5490	5510	20	17.252	115.92	≥100	PASS
11N40MIMO	5270	5249	5291	40	36.375	109.96	≥100	PASS
	5510	5489	5531	40	36.598	109.29	≥100	PASS
11AC80MIMO	5290	5249	5331	82	74.038	110.75	≥100	PASS

Test Mode	Frequency [MHz]	Radar Freq.	Trial 1	Trial 2	Trial 3	Trial 4	Trial 5	Trial 6	Trial 7	Trial 8	Trial 9	Trial 10	Ratio (%)
11A	5260	5249	1	1	0	1	1	0	1	1	1	1	80
		5250	1	1	1	1	0	1	1	1	1	1	90
		5255	1	1	1	1	1	0	1	1	1	1	90
		5260	1	1	1	1	1	1	1	1	1	1	100
		5265	1	1	1	1	1	1	1	1	1	1	100
		5270	1	1	1	1	1	1	0	1	1	1	90
	5500	5271	1	1	1	1	1	0	1	0	1	1	80
		5489	1	1	1	0	1	1	1	1	0	1	80
		5490	1	1	1	1	0	1	1	1	1	1	90
		5495	1	1	1	1	1	1	1	1	1	1	100
		5500	1	1	1	1	1	1	1	1	1	1	100
		5505	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5270	5510	1	0	1	1	1	1	1	1	1	1	90
		5511	1	1	1	0	1	1	1	1	0	1	80
		5249	1	0	1	1	1	1	1	0	1	1	80
		5250	1	1	1	1	1	1	0	1	1	1	90
		5255	1	1	1	1	0	1	1	1	1	1	90
		5260	1	1	1	1	1	1	1	1	1	1	100
		5265	1	1	1	1	1	1	1	1	1	1	100
		5270	1	1	1	1	1	1	1	1	1	1	100
		5275	1	1	1	1	1	1	1	1	1	1	100
		5280	1	1	1	1	1	1	1	1	1	1	100
		5285	1	1	1	1	1	1	1	1	0	1	90
		5290	1	0	1	1	1	1	1	1	1	1	90
	5291	1	1	0	1	1	1	1	0	1	1	80	
	5510	5488	1	1	1	0	1	0	1	1	1	1	80
5489		1	1	1	1	1	1	0	1	1	1	90	

		5490	1	1	1	1	1	1	0	1	1	1	90	
		5495	1	0	1	1	1	1	1	1	1	1	90	
		5500	1	1	1	1	1	1	1	1	1	1	100	
		5505	1	1	1	1	1	1	1	1	1	1	100	
		5510	1	1	1	1	1	1	1	1	1	1	100	
		5515	1	1	1	1	1	1	1	1	1	1	100	
		5520	1	1	1	1	1	1	1	1	1	1	100	
		5525	1	1	1	0	1	1	1	1	1	1	90	
		5530	1	0	1	1	1	1	1	1	1	1	90	
		5531	0	1	1	1	1	1	1	1	1	1	90	
		5532	1	1	1	0	1	1	1	1	0	1	80	
11AC80M IMO	5290	5248	1	0	1	1	1	1	1	1	0	1	80	
		5249	1	1	1	1	1	1	0	1	1	1	90	
		5250	1	0	1	1	1	1	1	1	1	1	1	90
		5255	1	1	1	1	0	1	1	1	1	1	1	90
		5260	1	1	1	1	1	1	1	1	1	1	1	100
		5265	1	1	1	1	1	1	1	1	1	1	1	100
		5270	1	1	1	1	1	1	1	1	1	1	1	100
		5275	1	1	1	1	1	1	1	1	1	1	1	100
		5280	1	1	1	1	1	1	1	1	1	1	1	100
		5285	1	1	1	1	1	1	1	1	1	1	1	100
		5290	1	1	1	1	1	1	1	1	1	1	1	100
		5295	1	1	1	1	1	1	1	1	1	1	1	100
		5300	1	1	1	1	1	1	1	1	1	1	1	100
		5305	1	1	1	1	1	1	1	1	1	1	1	100
		5310	1	1	1	1	1	1	1	1	1	1	1	100
		5315	1	1	1	1	1	1	1	1	1	1	1	100
		5320	1	0	1	1	1	1	1	1	1	1	1	90
		5325	1	1	1	1	0	1	1	1	1	1	1	90
		5330	1	1	1	1	1	0	1	1	1	1	1	90
		5331	1	1	0	1	1	1	1	1	1	1	1	90
5332	1	1	1	0	1	0	1	1	1	1	1	80		



Note: All the modes are tested, only the worst data are described in the report.

--- End of Report ---