Industrial Internet Innovation Center (Shanghai) Co.,Ltd.

SRD TEST REPORT

PRODUCT	Bluetooth & WiFi 2.4G/5G Module
BRAND	WNC
MODEL	UWM-XP9098V2
APPLICANT	Wistron NeWeb Corporation
FCC ID	NKRUWM-XP9098V2
ISSUE DATE	March 27, 2024
STANDARD(S)	FCC Part15E

Prepared by: ***Tao Lingyan*** **Reviewed by:** ***Yang Fan*** **Approved by:** ***Zhang Min***

CONTENTS

1. Summary of Test Report

1.1 Test Standard

No.	Test Standard	Title	Version
1	FCC Part15E	Title 47 of the Code of Federal Regulations; Chapter I Part 15 - Radio frequency devices	--

1.2 Reference Document(s)

No.	Test Standard	Title	Version
1	ANSI 63.10	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2013
2	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02	COMPLIANCE MEASUREMENT PROCEDURES FOR UNLICENSED-NATIONAL INFORMATION INFRASTRUCTURE DEVICES OPERATING IN THE 5250-5350 MHz AND 5470-5725 MHz BANDS INCORPORATING DYNAMIC FREQUENCY SELECTION	--
Note: KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 is not A2LA certified.			

1.3 Summary of Test Results

No.	Measurement Items	FCC Rules	Verdict
1	U-NII Detection Bandwidth	15.407(h) (2)	Pass
2	Initial Channel Availability Check Time	15.407(h) (2)	Pass
3	Radar Burst at the Beginning of the Channel Availability Check Time	15.407(h) (2)	Pass
4	Radar Burst at the Beginning of the Channel Availability Check Time	15.407(h) (2)	Pass
5	Channel Move Time	15.407(h) (2)	Pass
6	Channel Closing Transmission Time	15.407(h) (2)	Pass
7	Non- Occupancy Period	15.407(h) (2)	Pass
8	Statistical Performance Check	15.407(h) (2)	Pass
9	Uniform spreading	15.407(h) (2)	Pass
NOTE: The UWM-XP9098V2 manufactured by WNC（Kunshan）Corporation Company Limited is a new products for testing. Industrial Internet Innovation Center (Shanghai) Co., Ltd. only performed test cases which identified with Pass/Fail/Inc result in section 1.2.			

Industrial Internet Innovation Center (Shanghai) Co., Ltd. has verified that the compliance of the tested device specified in section 4 of this test report is successfully evaluated according to the procedure and test methods as defined in type certification requirement listed in section 1 of this test report.

1.4 Data Provided by Applicant

No.	Item(s)	Data
1	Antenna gain of EUT	Max Gain: 2.47 dBi, Min Gain: 1.69dBi
Note: The data of antenna is provided by the Antenna specification may affect the validity of the test results in this report, and the impact and consequences of this shall be undertaken by the customer.		

2. General Information of The Laboratory

2.1 Testing Laboratory

Lab Name	Industrial Internet Innovation Center (Shanghai) Co.,Ltd.
Address	Building 4，No. 766，Jingang Road，Pudong，Shanghai，China
Telephone	021-68866880
FCC Registration No.	708870
FCC Designation No.	CN1364

2.2 Laboratory Environmental Requirements

Temperature	15℃~35℃
Relative Humidity	25%RH~75%RH
Atmospheric Pressure	86kPa~106kPa

2.3 Project Information

Project Manager	Xu Yuting
Test Date	December 06, 2023 to February 06, 2023

3. General Information of The Customer

3.1 Applicant

Company	Wistron NeWeb Corporation
Address	20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan, R.O.C
Telephone	+886 3-666-7799

3.2 Manufacturer

Company	WNC（Kunshan）Corporation Company Limited
Address	NO.88，Central Avenue,Comprehensive Free Trade Zone,Kunshan,Jiangsu,China
Telephone	+86-25-84821688 Ext: 6190

4. General Information of The Product

4.1 Product Description for Equipment under Test (EUT)

Product	Bluetooth & WiFi 2.4G/5G Module
Model	UWM-XP9098V2
Date of Receipt	S09aa: December 06, 2023
EUT ID*	S09aa: N7M5N3700C4J01
SN/IMEI	S09aa: N7M5N3700C4J01
Supported Radio Technology and Bands	BT 5.3 BR/EDR/BLE WLAN 802.11b/g/n/ac/ax WLAN 802.11a/n/ac/ax
Hardware Version	G02
Software Version	NA
FCC ID	NKRUWM-XP9098V2
NOTE1： EUT ID is the internal identification code of the laboratory. NOTE2: Samples in the test report are provided by the customer. The test results are only applicable to the samples received by the laboratory.	

4.2 Internal Identification of AE used during the test

AE ID*	Description	Model	SN/Remark
AE1	RF Cable	N/A	N/A
EA01	Connecting Cable	N/A	N/A
EB02	PCB Board	N/A	N/A
CA01	Adapter	ADS0271-B120200	N/A
UC01	Serial cable	N/A	For EUT debugging
UD01	Lan Cable	N/A	For EUT debugging
AE1	Notebook PC	N/A	For EUT debugging
NOTE1: AE ID is the internal identification code of the laboratory.			

4.3 Additional Information

DFS Operating Frequency Range	U-NII-2A(5260MHz-5320MHz) U-NII-2C(5500MHz-5700MHz)
DFS Operating Mode	Master

Test frequency list

UNII-2A:

BW_20M	Channel	52	56	60	64
	Freq. (MHz)	5260	5280	5300	5320
BW_40M	Channel	54		62	
	Freq. (MHz)	5270		5310	
BW_80M	Channel	58			
	Freq. (MHz)	5290			
BW_160M	Channel	50			
	Freq. (MHz)	5250			

UNII-2C:

BW_20M	Channel	100	104	108	112	116	120	124	128	132	136	140
	Freq. (MHz)	5500	5520	5540	5560	5580	5600	5620	5640	5660	5680	5700
BW_40M	Channel	102		110		118		126		134		/
	Freq. (MHz)	5510		5550		5590		5630		5670		/
BW_80M	Channel	106				122				/		
	Freq. (MHz)	5530				5610						
BW_160M	Channel	114										
	Freq. (MHz)	5570										
Note：“/” Represents empty												

Maximum Output Power and E.I.R.P.

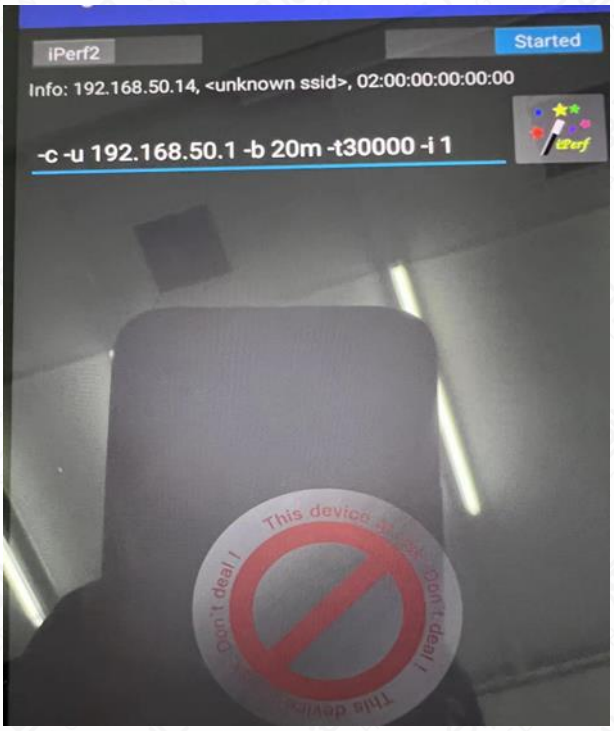
Frequency Band (MHz）	Max Output Power (dBm）	Antenna Gain (dBi)	Max. e.i.r.p. (dBm)	Max. e.i.r.p. (mW)
5320	11.79	2.47	14.26	26.67
5580	11.56	2.47	14.03	25.29

Note：

U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725GHz shall employ a TPC mechanism. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500mW.

4.4 EUT Test RF Configuration

EUT uses iperf.apk working control emission measurement.



5. Test Configuration Information

5.1 Laboratory Environmental Conditions

5.1.1 Permanent Facilities

Relative Humidity	Min. = 45 %, Max. = 57 %		
Atmospheric Pressure	101kPa		
Temperature	Normal	Minimum	Maximum
	25℃	-40℃	85℃
Working Voltage of EUT	Normal	Minimum	Maximum
	3.3V, 1.8V	3.14V, 1.71V	3.46V, 1.89V

5.2 Test Equipments Utilized

5.2.1 Conducted test system

No.	Name	Model	S/N	SW Version	HW Version	Manufacturer	Cal. Date	Cal. Interval
1	Test Software	TS1120	10727	V3.2.22	N/A	Tonscend	N/A	N/A
2	Automatic control unit	JS0806-2	2218060623	N/A	N/A	Tonscend	2023-05-06	1 Year
3	Wireless communication comprehensive tester	CMW500	164865	V3.8.12	N/A	R&S	2023-07-26	1 Year
4	Spectrum Analyzer	FSQ40	200063	V4.75	N/A	R&S	2023-10-16	1 Year
5	Analog Signal Generator	SMF	104770	V3.0.13.0-2.20.530.15.4	N/A	R&S	2023-10-16	1 year
6	Vector Signal Generator	SMCV100B	103691	V5.00.122.24	N/A	R&S	2023-07-27	1 Year
7	Programmable Power Supply	Keithley 2303	4039070	N/A	N/A	Keithley	2023-06-23	1 Year
8	Temperature box	B-TF-107C	BTF107C-201804107	N/A	N/A	Boyi	2023-06-28	1 Year
9	Network test unit AP	GT-AXE11000	N2IG0X401637KWF	V3.0.0.4.386_45940	N/A	ASUS	N/A	N/A
10	Vector Signal Generator	SMBV100A	257904	V4.15.125.49	N/A	R&S	2023-10-16	1 Year

5.2.2 Test Environment

Shielding Room1 (6.0 meters×3.0 meters×2.7 meters) did not exceed following limits along the conducted RF performance testing:

Temperature	Min. = 15 ℃, Max. = 35 ℃
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	> 100 dB
Ground system resistance	< 0.5 Ω
Temperature	Min. = 15 ℃, Max. = 35 ℃

Control room did not exceed following limits along the EMC testing:

Temperature	Min. = 15 ℃, Max. = 35 ℃
Relative humidity	Min. =30 %, Max. = 60 %
Shielding effectiveness	> 100 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω

Fully-anechoic chamber1 (9.8 meters×6.7 meters×6.7 meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 ℃, Max. = 35 ℃
Relative humidity	Min. = 25 %, Max. = 75 %
Shielding effectiveness	> 100 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω
VSWR	Between 0 and 6 dB, from 1GHz to 18GHz
Site Attenuation Deviation	Between -4 and 4 dB,30MHz to 1GHz

5.3 Measurement Uncertainty

Measurement Uncertainty of Channel Shutdown:

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor K=1.96,U=2.69dB.

Measurement Uncertainty of Conduction test

Measurement Items	Range	Confidence Level	Calculated Uncertainty
Emission Bandwidth	5150-5850MHz	95%	±1.9%
Maximum Conduct Output Power	5150-5850MHz	95%	± 1.18 dB
Power Spectral Density	5150-5850MHz	95%	±0.98 dB
Band Edge Measurements	5150-5850MHz	95%	±1.21dB
Unwanted Emissions Measurement	9kHz-40GHz	95%	9kHz-7GHz:±1.21dB 7GHz-40GHz: ±3.31dB
Frequency Stability	5150-5850MHz	95%	±1.9%
DFS	5150-5850MHz	95%	±1.17%

6. Test Requirements

6.1 DFS Technical Requirements and Radar Test Waveforms

6.1.1 DFS Overview

Table 6-1 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
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 6-2 Applicability of DFS requirements during normal operation

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	All BW modes must be tested	Not required
Statistical Performance Check	All BW modes must be tested	Not required
Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
Channel Move 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.		

6.1.2 DFS Detection Thresholds

Table 6-3 DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

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

Table 6-4 DFS Response Requirement Values

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.	

6.1.3 Radar 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 5a 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	Roundup	60%	30
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.					

Pulse Repetition Intervals Values for Test A

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

The aggregate is the average of the percentage of successful detections of Short Pulse Radar Types 1-4. For example, the following table indicates how to compute the aggregate of percentage of successful detections.

Radar Type	Number of Trials	Number of Successful Detections	Minimum Percentage of Successful Detection
1	35	29	82.9%
2	30	18	60%
3	30	27	90%
4	50	44	88%
Aggregate (82.9% + 60% + 90% + 88%)/4 = 80.2%			

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

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.

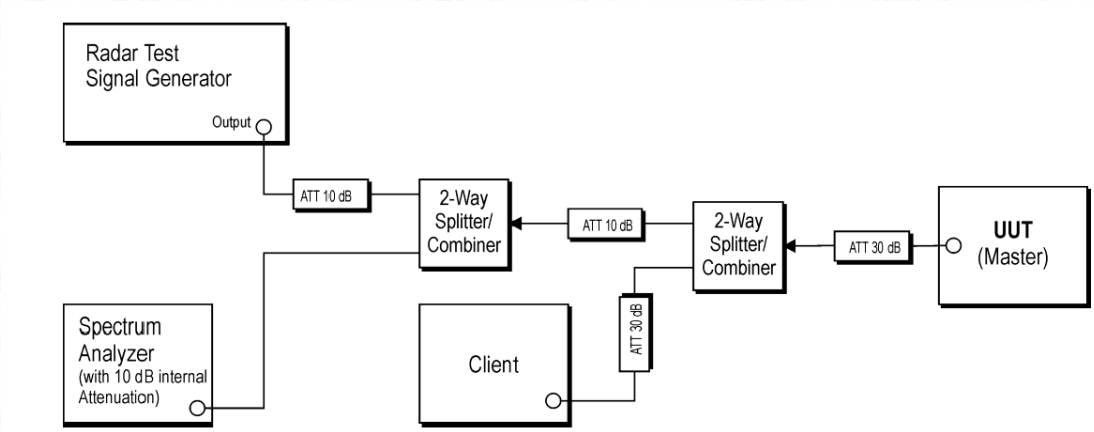
Frequency Hopping Radar Test Waveform

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

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 – 5724 MHz. 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.

6.1.4 Set-up

Setup for Master with injection at the Master



Pic 6-6: Conducted Setup where UUT is a Master and Radar Test Waveforms are injected into the Master

7. Test Results

7.1 DFS Detection Thresholds

7.1.1 Method of Measurement

A spectrum analyzer is used to establish the test signal level for each radar type. During this process, there are no transmissions by either the Master Device or Client Device. The spectrum analyzer is switched to the zero span (time domain) mode at the frequency of the Radar Waveform generator. The peak detector function of the spectrum analyzer is utilized. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) are set to at least 3 MHz.

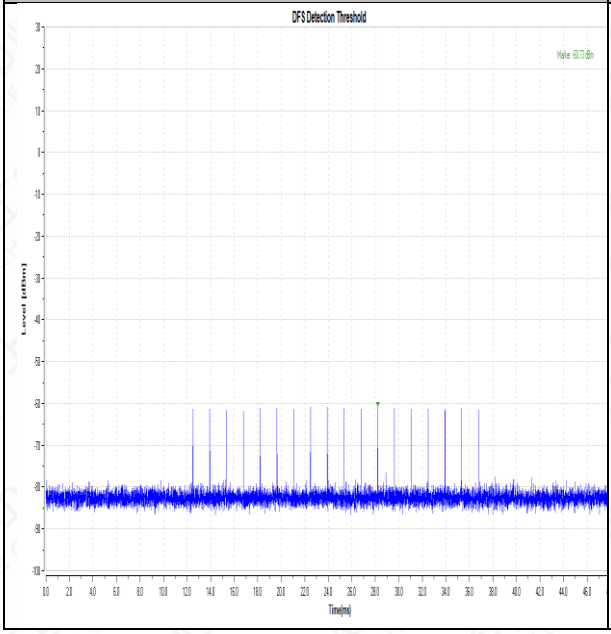
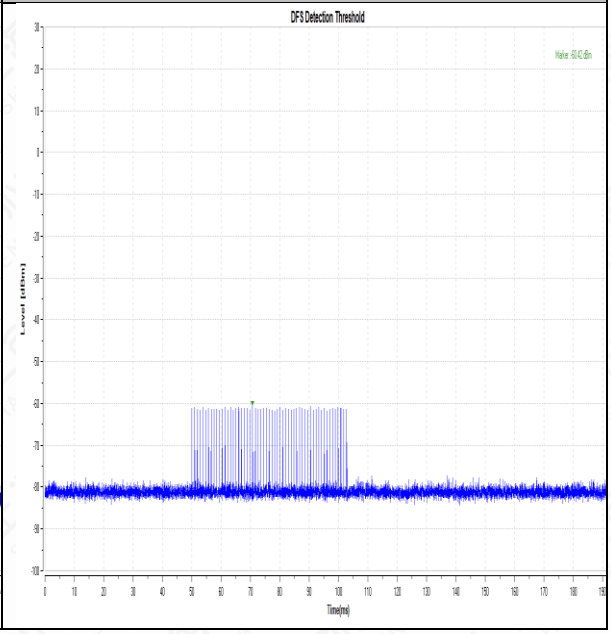
The signal generator amplitude and/or step attenuators are set so that the power level measured at the spectrum analyzer is equal to the DFS Detection Threshold that is required for the tests. The signal generator and attenuator settings are recorded for use during the test.

7.1.2 The Calibration is listed below

TestMode	Frequency[dbm]	Radar Type	Result	Limit[dbm]	Verdict
11A-CDD	5260	Type0	-60.73	-60.31	PASS
11A-CDD	5260	Type1	-60.42	-60.31	PASS
11A-CDD	5260	Type2	-60.57	-60.31	PASS
11A-CDD	5260	Type3	-60.52	-60.31	PASS
11A-CDD	5260	Type4	-60.56	-60.31	PASS
11A-CDD	5260	Type5	-60.43	-60.31	PASS
11A-CDD	5260	Type6	-60.59	-60.31	PASS
11A-CDD	5500	Type0	-60.77	-60.31	PASS
11A-CDD	5500	Type1	-60.61	-60.31	PASS
11A-CDD	5500	Type2	-60.63	-60.31	PASS
11A-CDD	5500	Type3	-60.46	-60.31	PASS
11A-CDD	5500	Type4	-60.45	-60.31	PASS
11A-CDD	5500	Type5	-60.47	-60.31	PASS
11A-CDD	5500	Type6	-60.72	-60.31	PASS
11N40MIMO	5270	Type0	-60.59	-60.31	PASS
11N40MIMO	5270	Type1	-60.55	-60.31	PASS
11N40MIMO	5270	Type2	-60.44	-60.31	PASS
11N40MIMO	5270	Type3	-60.48	-60.31	PASS
11N40MIMO	5270	Type4	-60.35	-60.31	PASS
11N40MIMO	5270	Type5	-60.33	-60.31	PASS
11N40MIMO	5270	Type6	-60.37	-60.31	PASS
11N40MIMO	5510	Type0	-60.73	-60.31	PASS
11N40MIMO	5510	Type1	-60.41	-60.31	PASS
11N40MIMO	5510	Type2	-60.56	-60.31	PASS
11N40MIMO	5510	Type3	-60.75	-60.31	PASS
11N40MIMO	5510	Type4	-60.75	-60.31	PASS

11N40MIMO	5510	Type5	-60.60	-60.31	PASS
11N40MIMO	5510	Type6	-60.57	-60.31	PASS
11AC80MIMO	5290	Type0	-60.51	-60.31	PASS
11AC80MIMO	5290	Type1	-60.69	-60.31	PASS
11AC80MIMO	5290	Type2	-60.76	-60.31	PASS
11AC80MIMO	5290	Type3	-60.55	-60.31	PASS
11AC80MIMO	5290	Type4	-60.44	-60.31	PASS
11AC80MIMO	5290	Type5	-60.52	-60.31	PASS
11AC80MIMO	5290	Type6	-60.47	-60.31	PASS
11AC80MIMO	5530	Type0	-59.81	-59.53	PASS
11AC80MIMO	5530	Type1	-60.72	-60.31	PASS
11AC80MIMO	5530	Type2	-60.60	-60.31	PASS
11AC80MIMO	5530	Type3	-60.32	-60.31	PASS
11AC80MIMO	5530	Type4	-60.36	-60.31	PASS
11AC80MIMO	5530	Type5	-60.33	-60.31	PASS
11AC80MIMO	5530	Type6	-60.42	-60.31	PASS

Test Graphs

11A-CDD-5260-Type0-PASS	11A-CDD-5260-Type1-PASS
	

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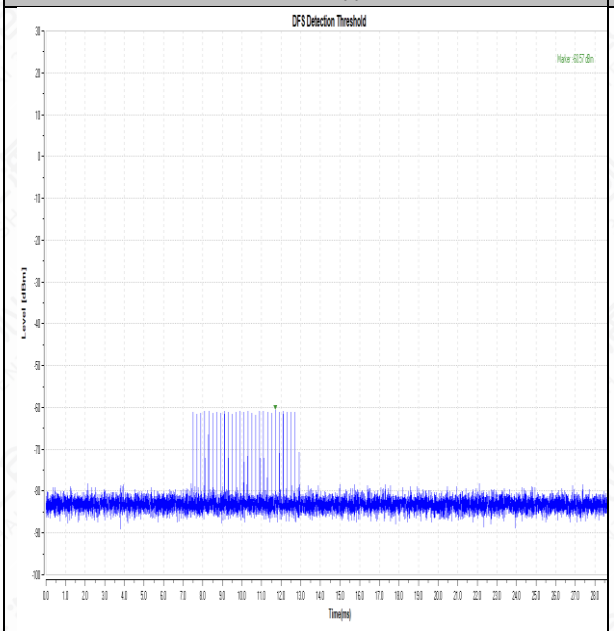	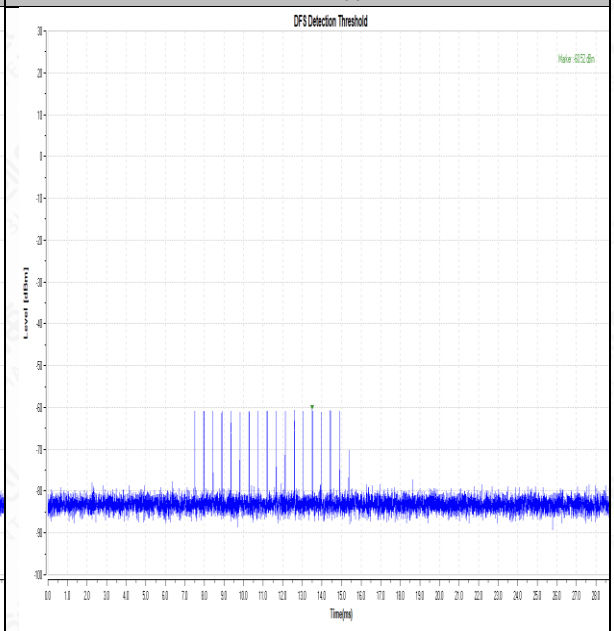
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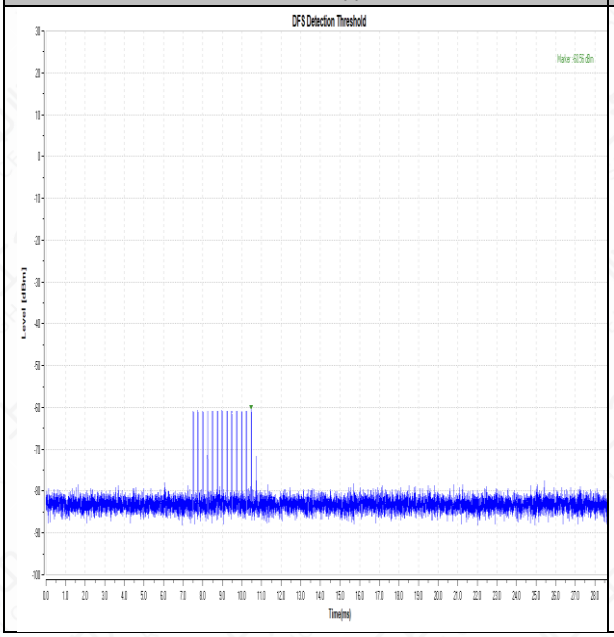
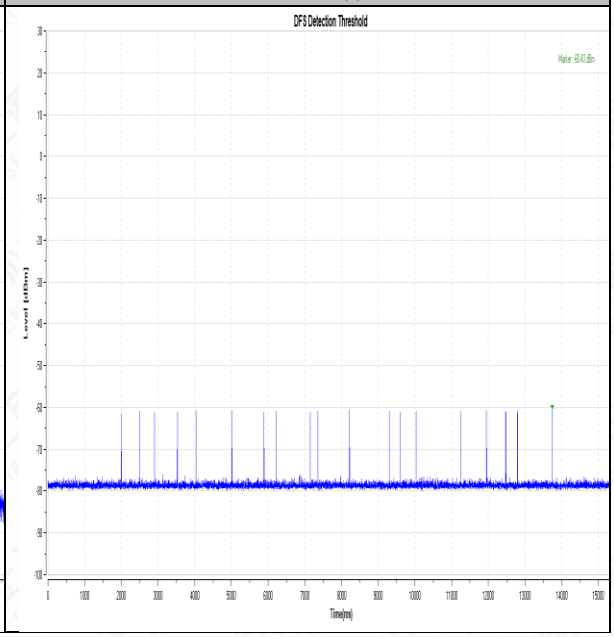
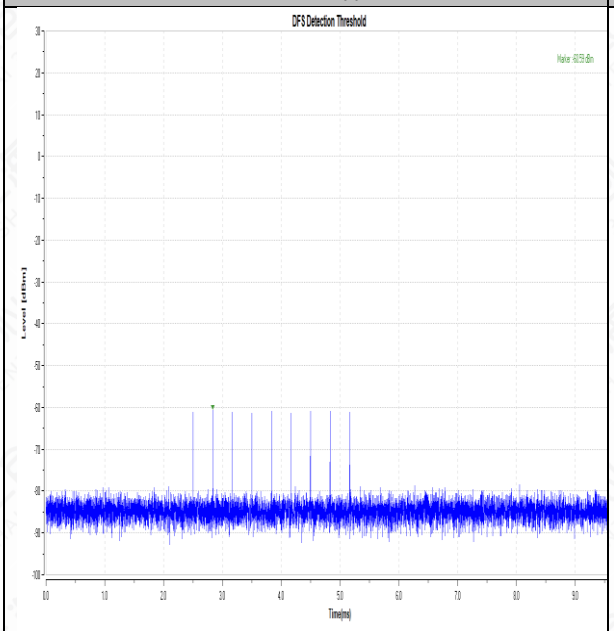
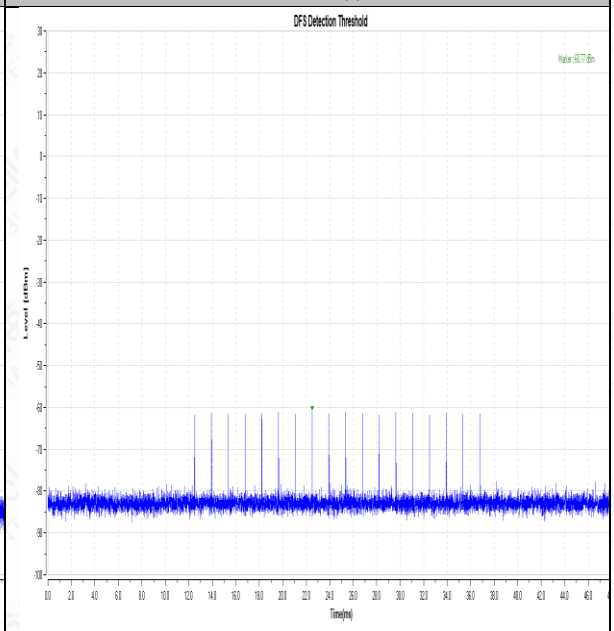
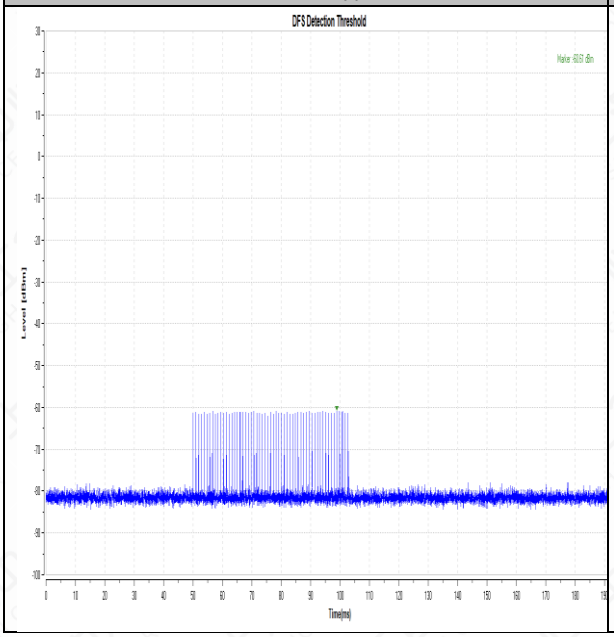
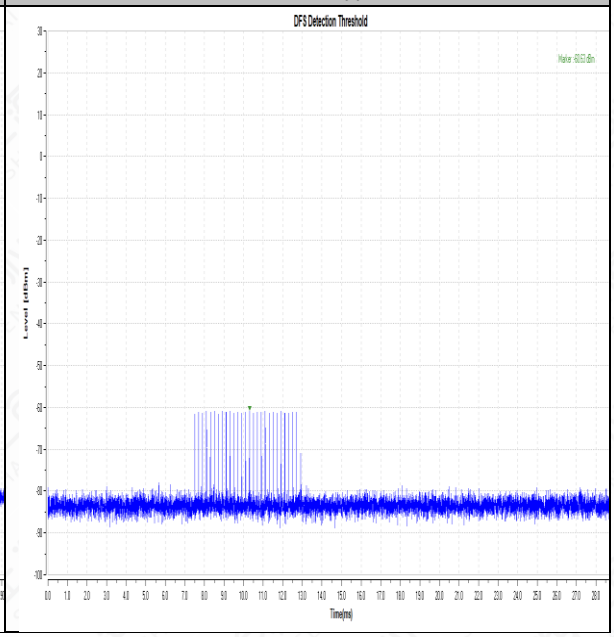
	

11A-CDD-5260-Type6-PASS	11A-CDD-5500-Type0-PASS
	
11A-CDD-5500-Type1-PASS	11A-CDD-5500-Type2-PASS
	

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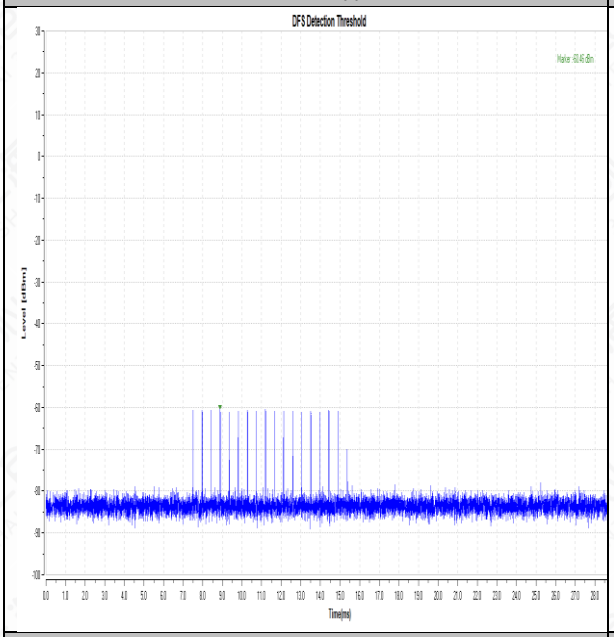
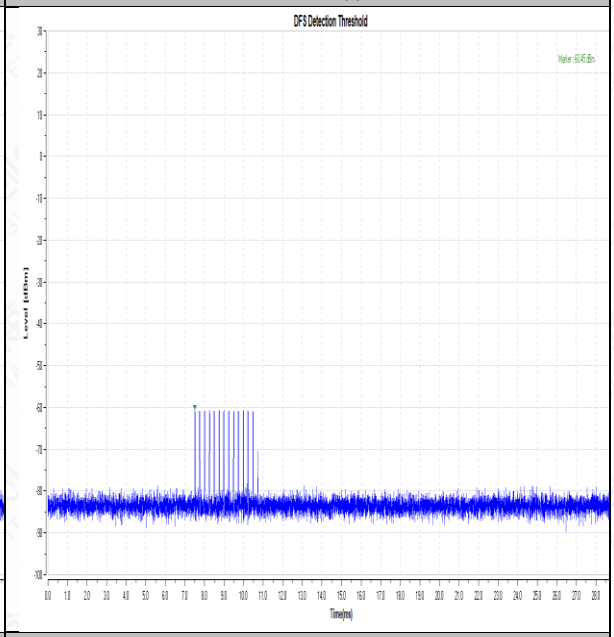
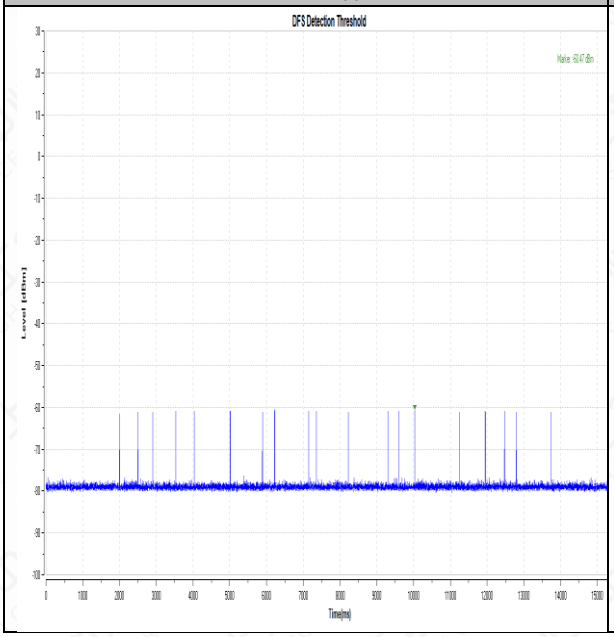
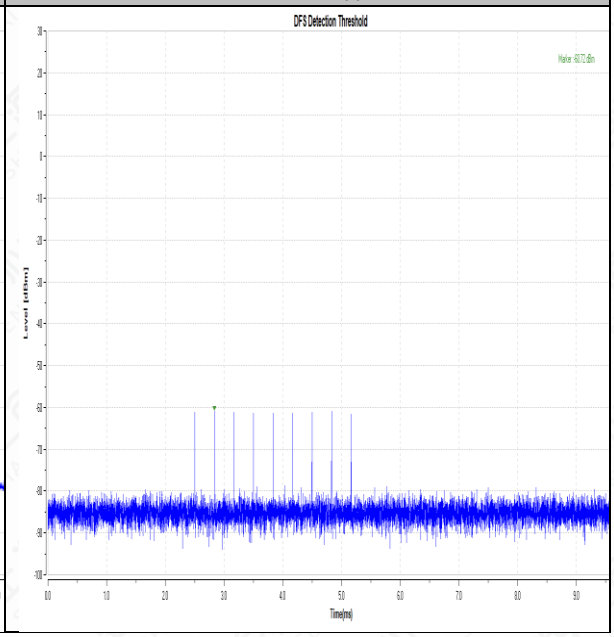
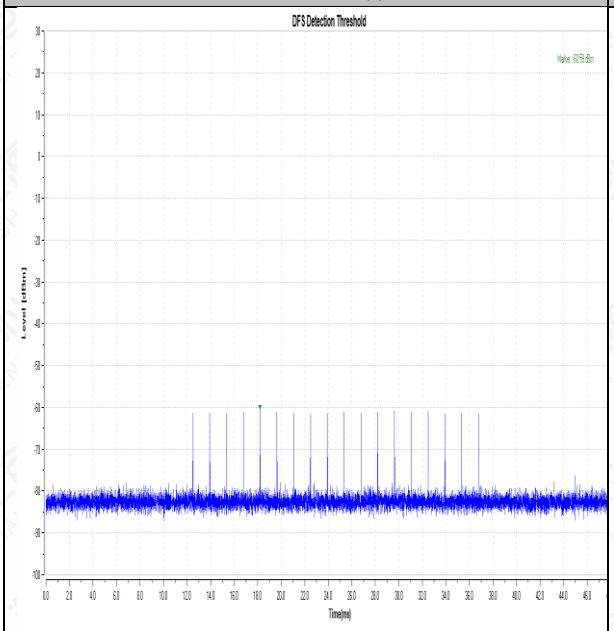
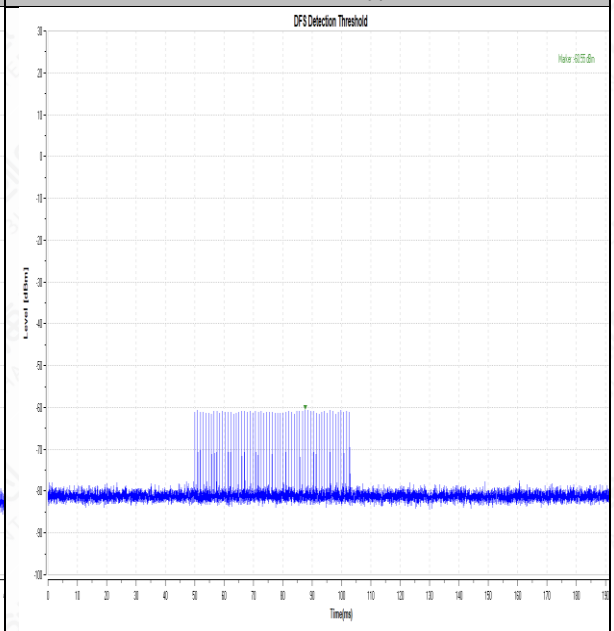
	
11A-CDD-5500-Type5-PASS	11A-CDD-5500-Type6-PASS
	

11N40MIMO-5270-Type0-PASS	11N40MIMO-5270-Type1-PASS
	
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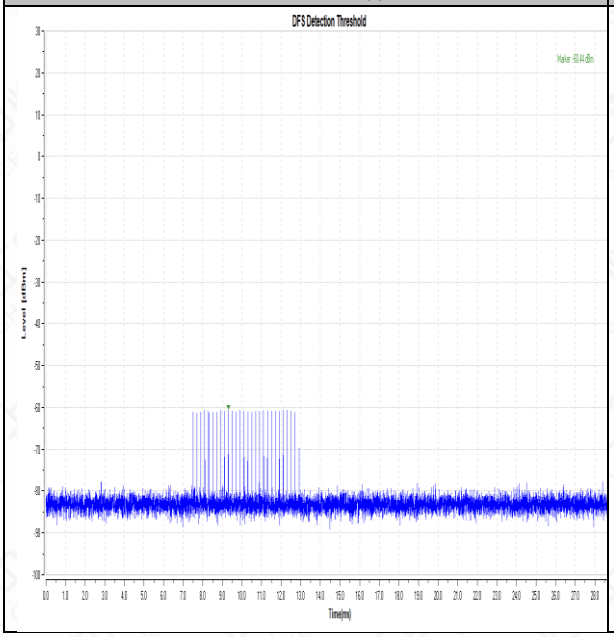	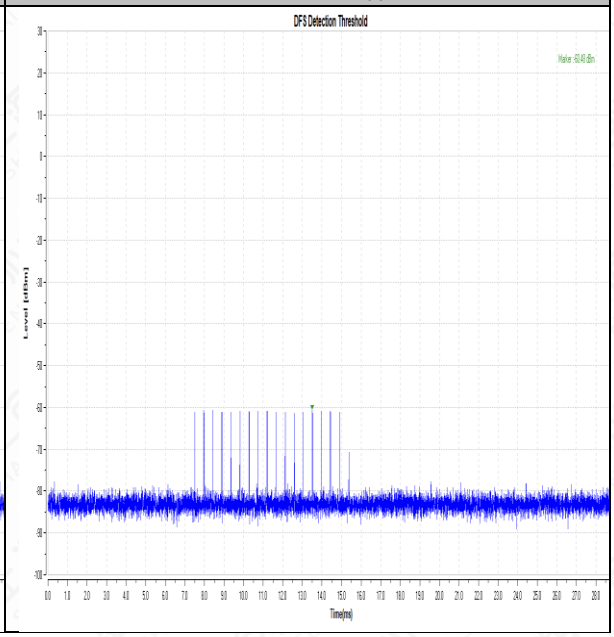

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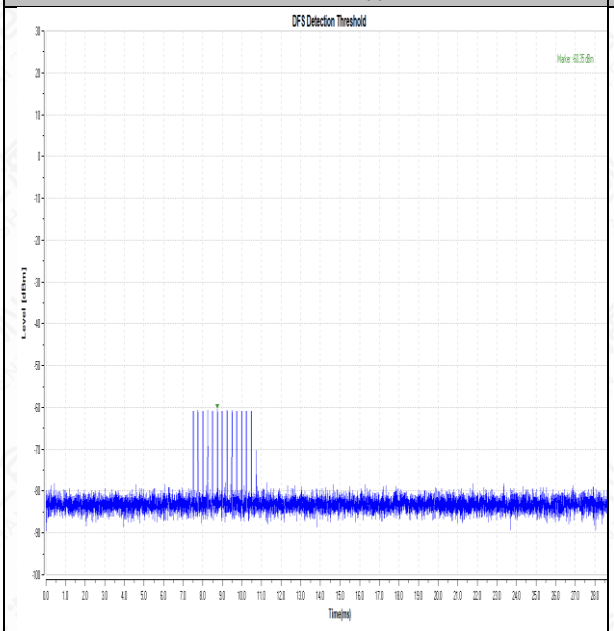
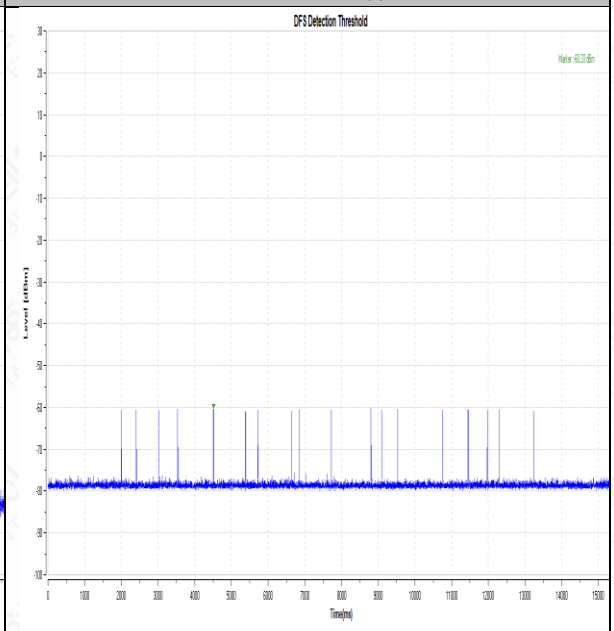
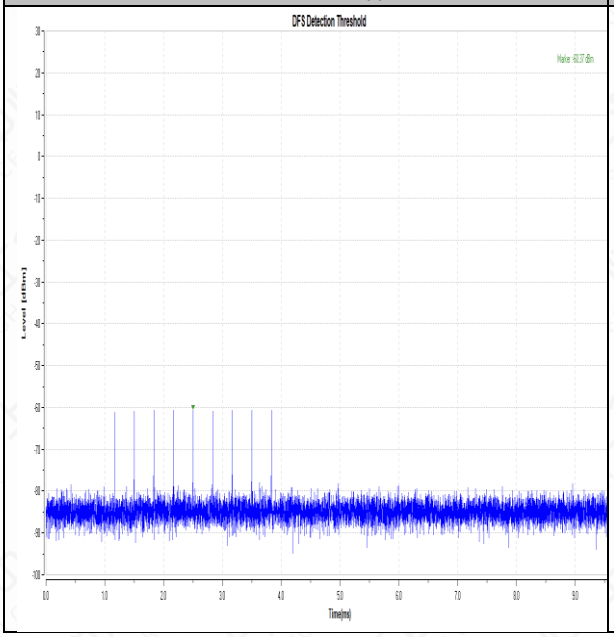
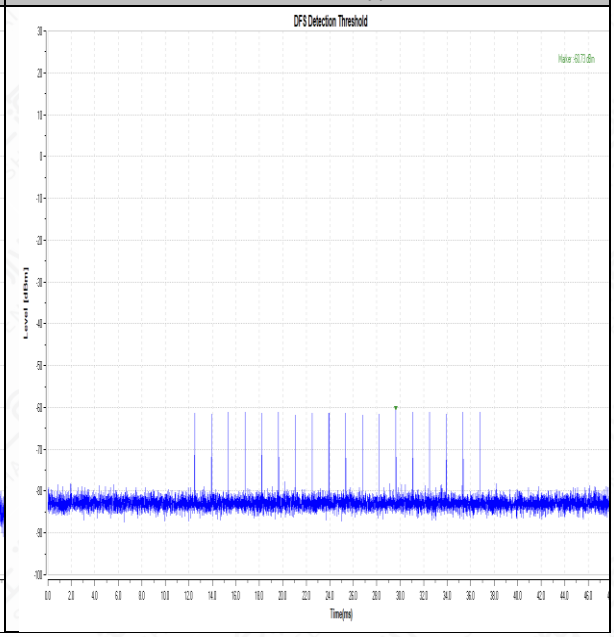
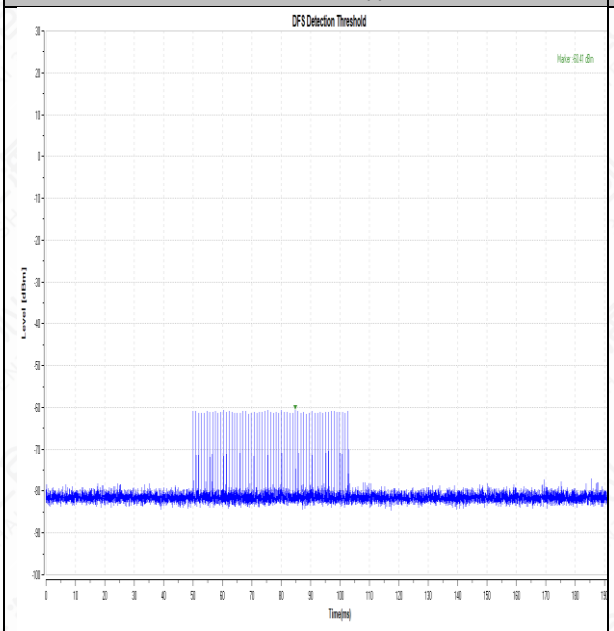
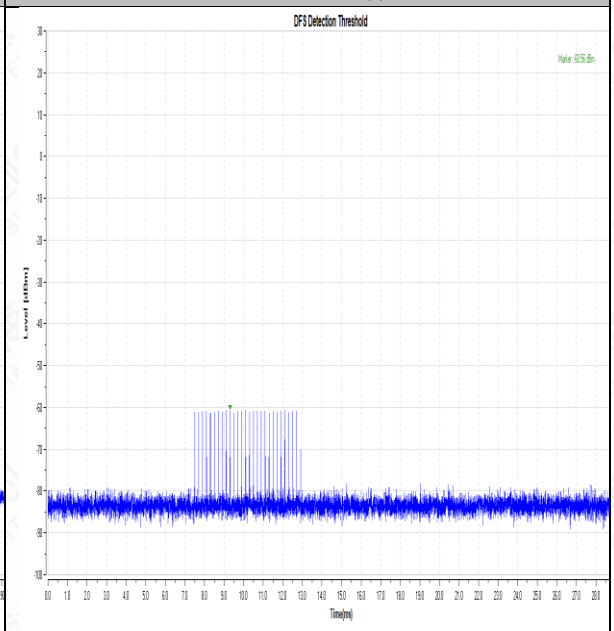
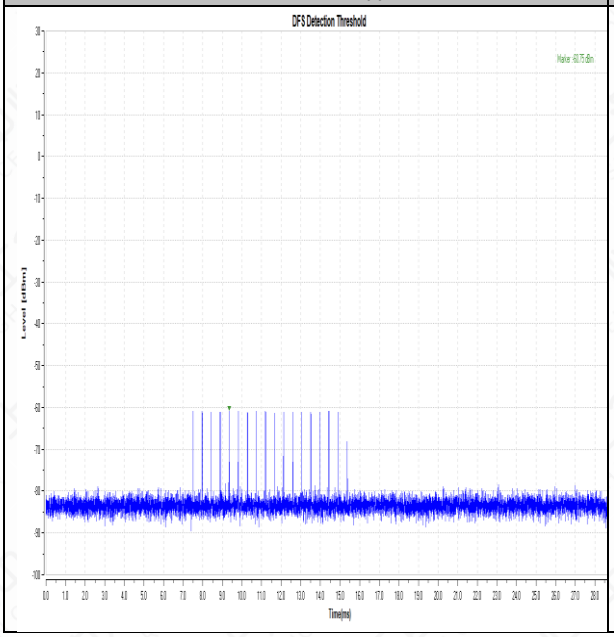
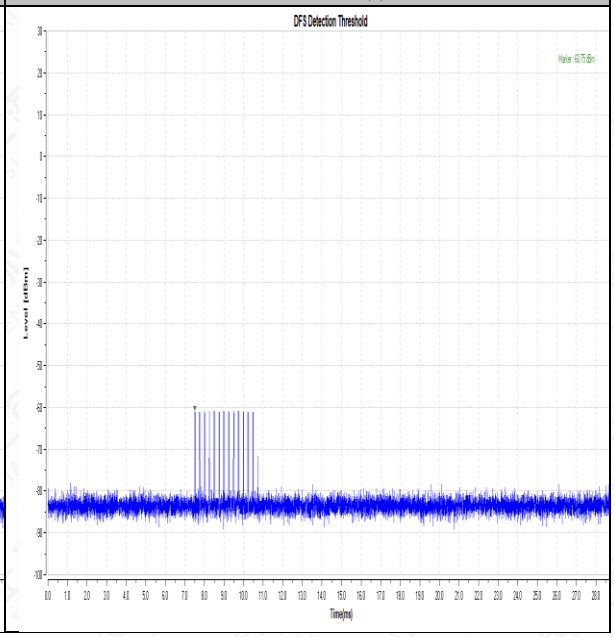
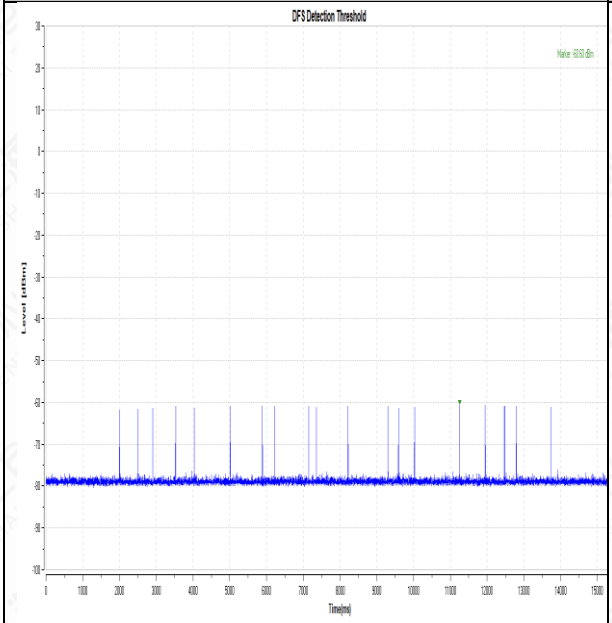
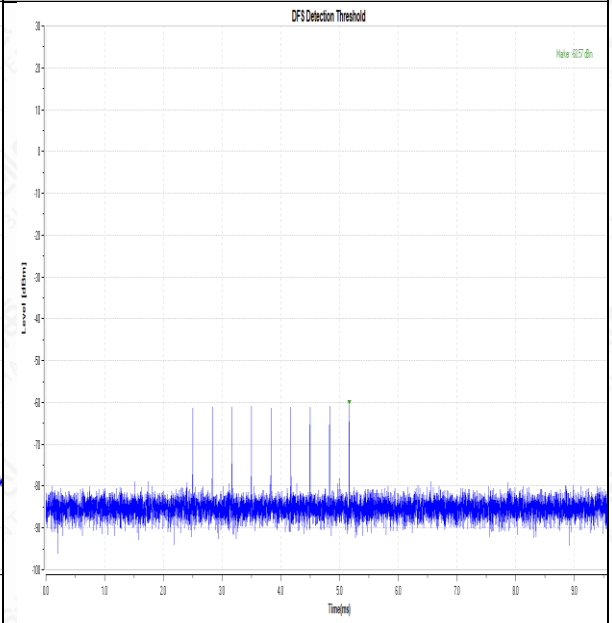
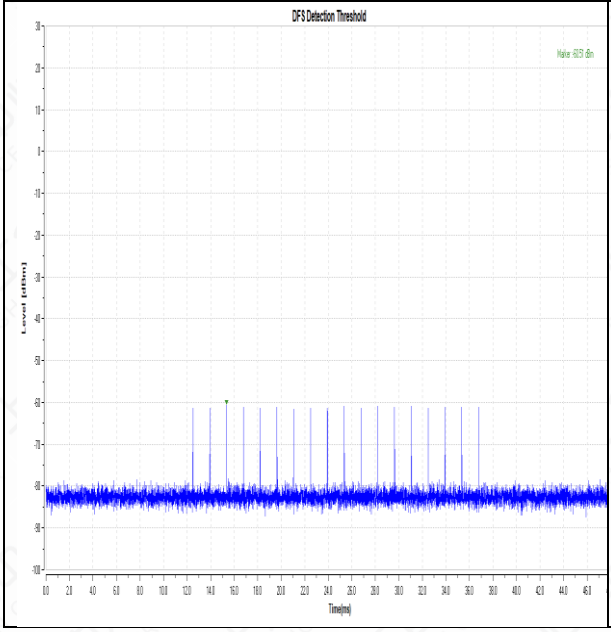
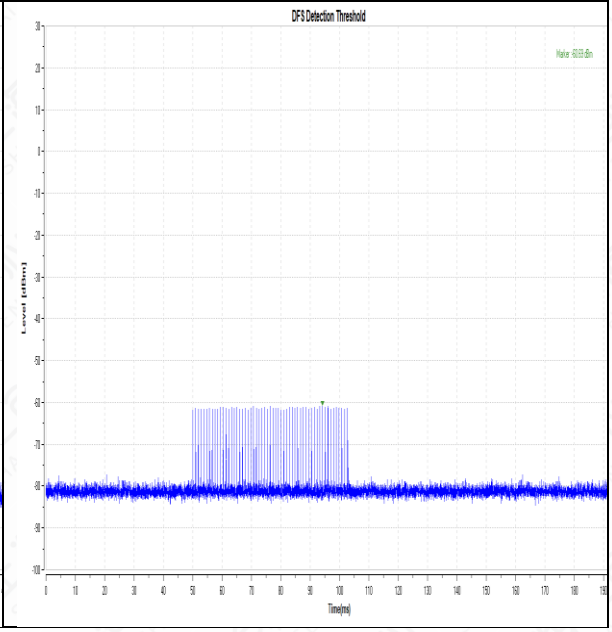
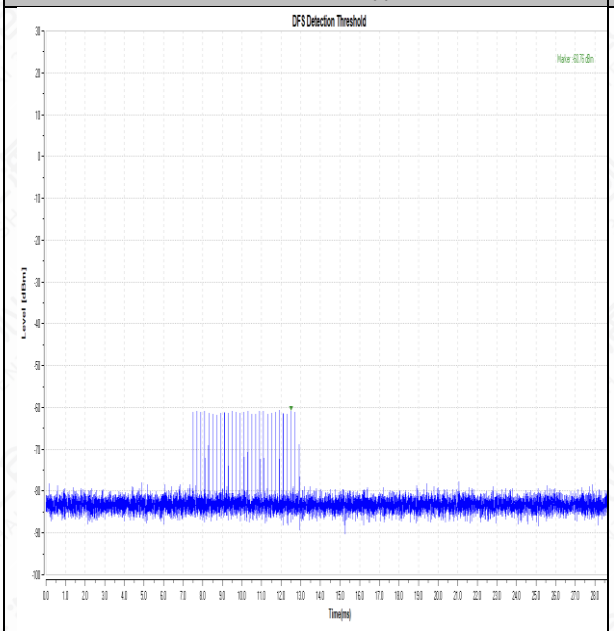
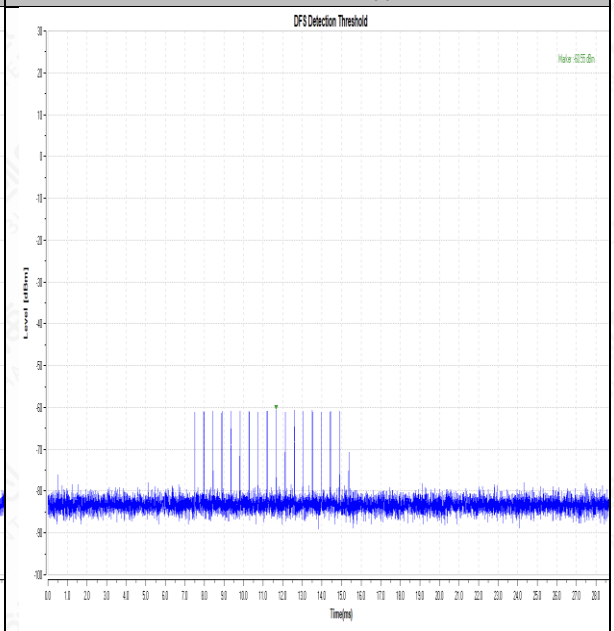
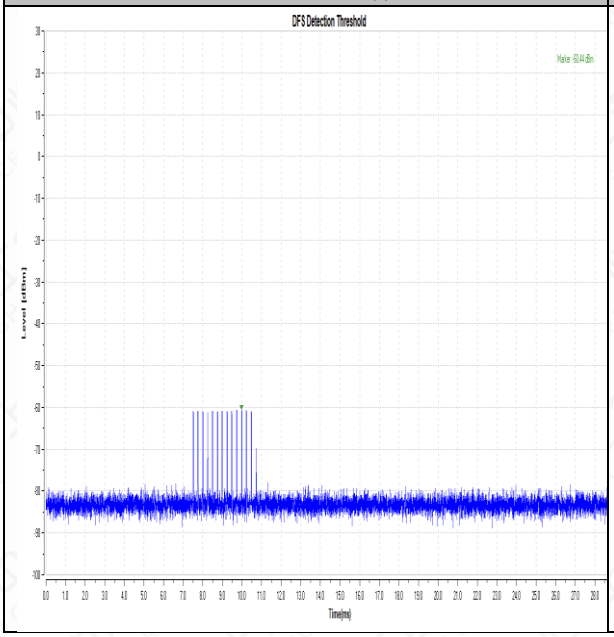
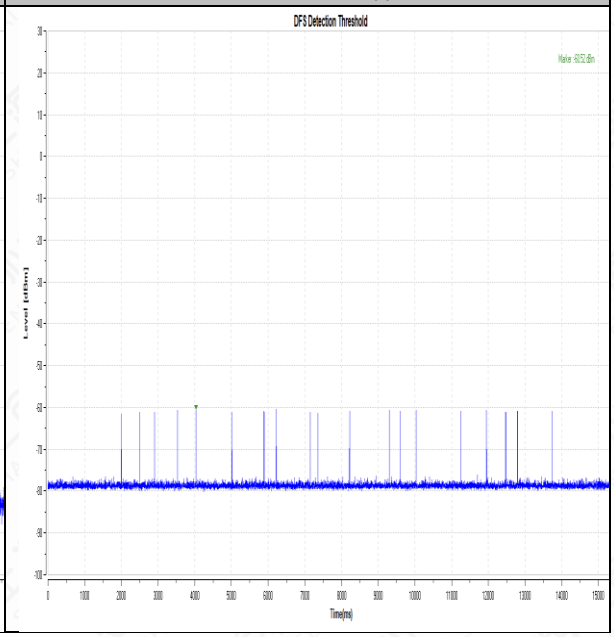
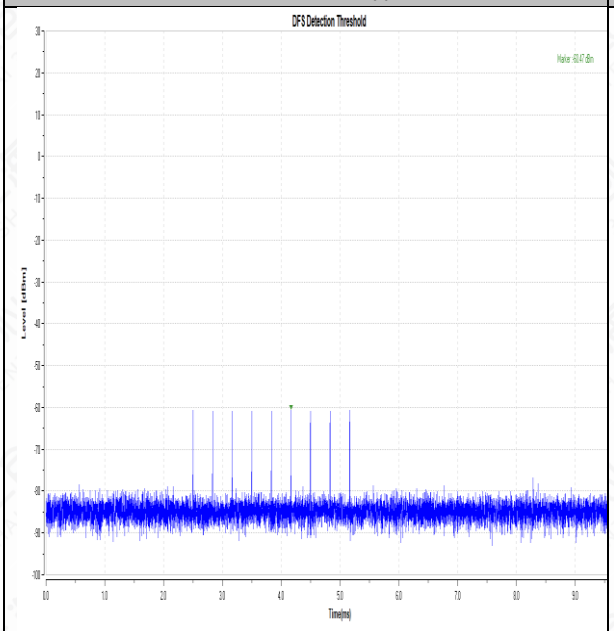
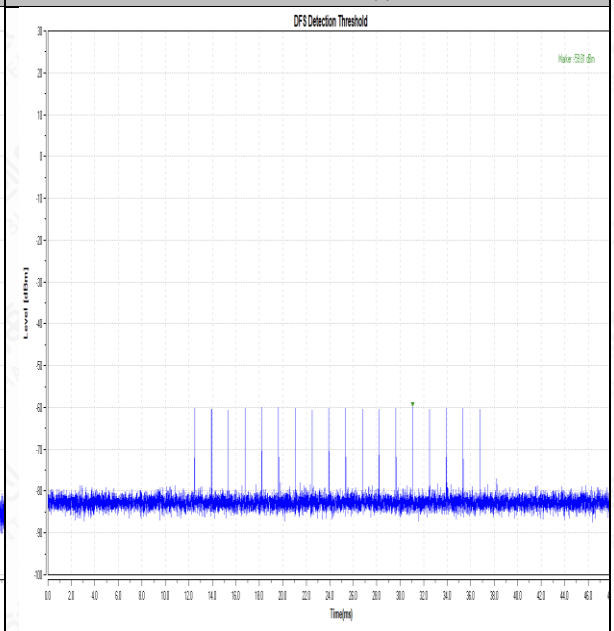
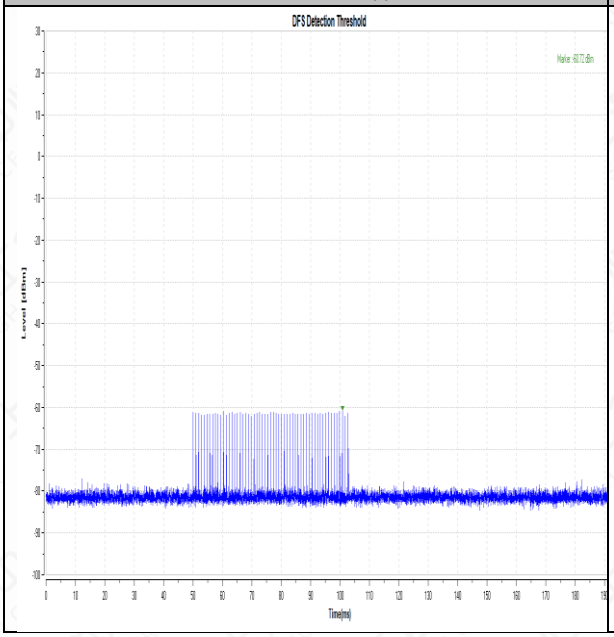
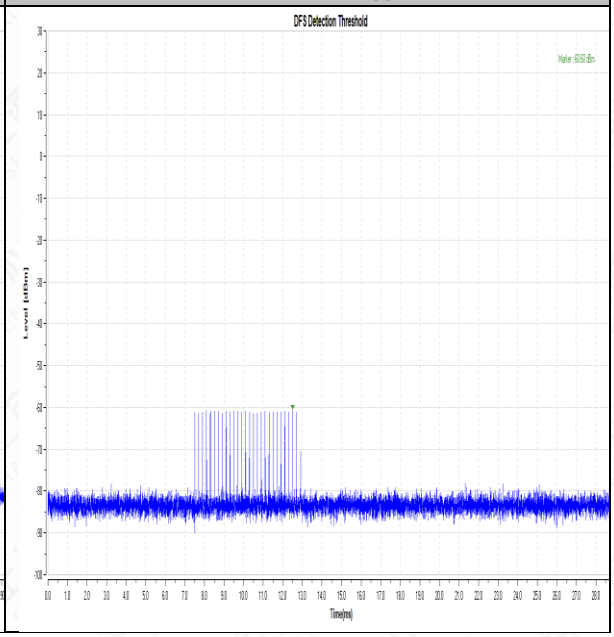
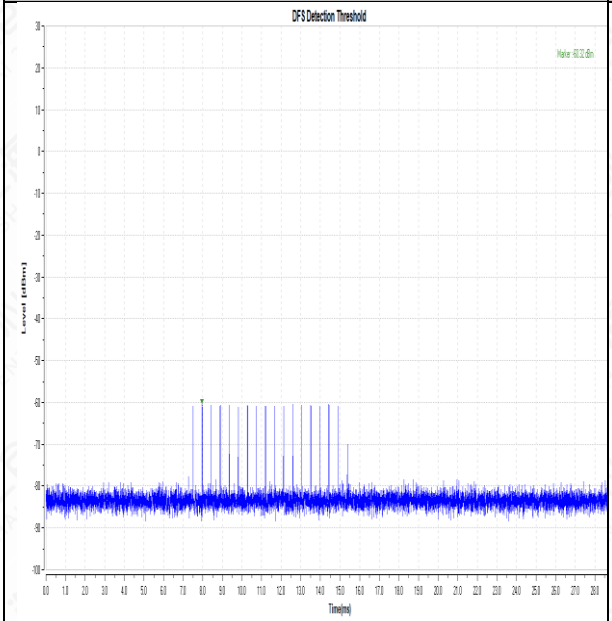
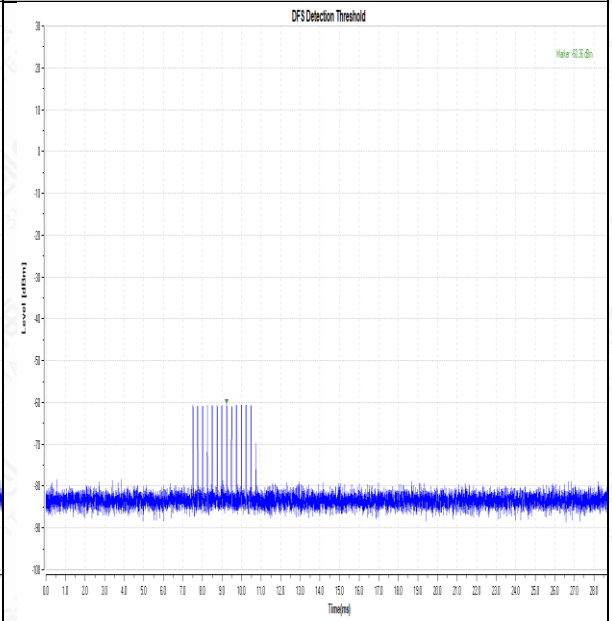
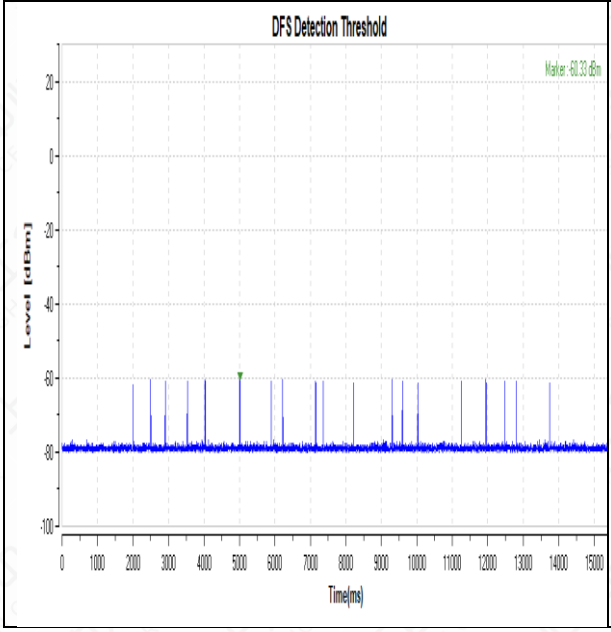
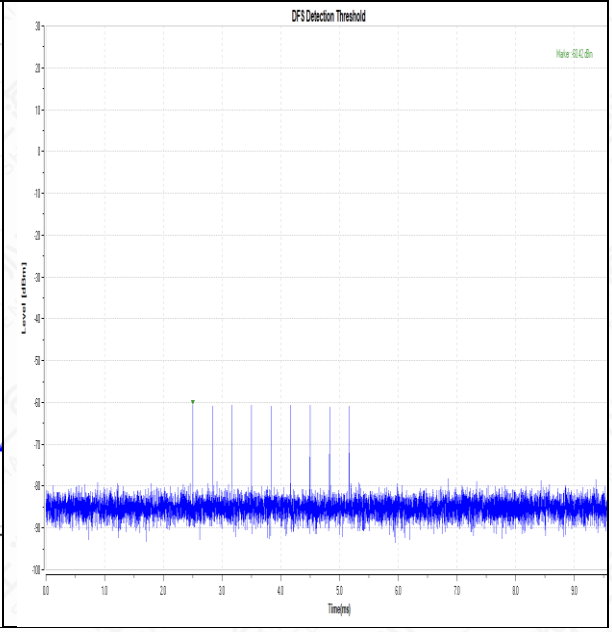
	
11N40MIMO-5270-Type6-PASS	**11N40MIMO-5510-Type0-PASS**
	

11N40MIMO-5510-Type1-PASS	11N40MIMO-5510-Type2-PASS
	
11N40MIMO-5510-Type3-PASS	**11N40MIMO-5510-Type4-PASS**
	

11N40MIMO-5510-Type5-PASS	11N40MIMO-5510-Type6-PASS
	
11AC80MIMO-5290-Type0-PASS	11AC80MIMO-5290-Type1-PASS
	

11AC80MIMO-5290-Type2-PASS	11AC80MIMO-5290-Type3-PASS
	
11AC80MIMO-5290-Type4-PASS	**11AC80MIMO-5290-Type5-PASS**
	

11AC80MIMO-5290-Type6-PASS	11AC80MIMO-5530-Type0-PASS
	
11AC80MIMO-5530-Type1-PASS	11AC80MIMO-5530-Type2-PASS
	

11AC80MIMO-5530-Type3-PASS	11AC80MIMO-5530-Type4-PASS
	
11AC80MIMO-5530-Type5-PASS	**11AC80MIMO-5530-Type6-PASS**
	

7.2 Channel loading

7.2.1 Method of Measurement

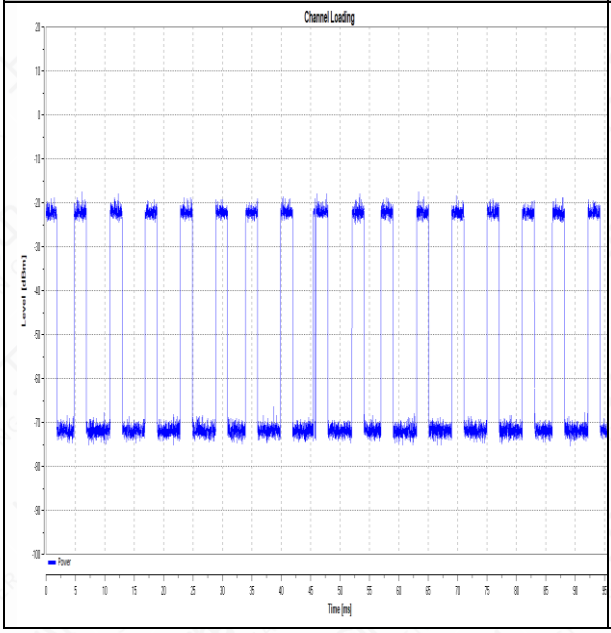
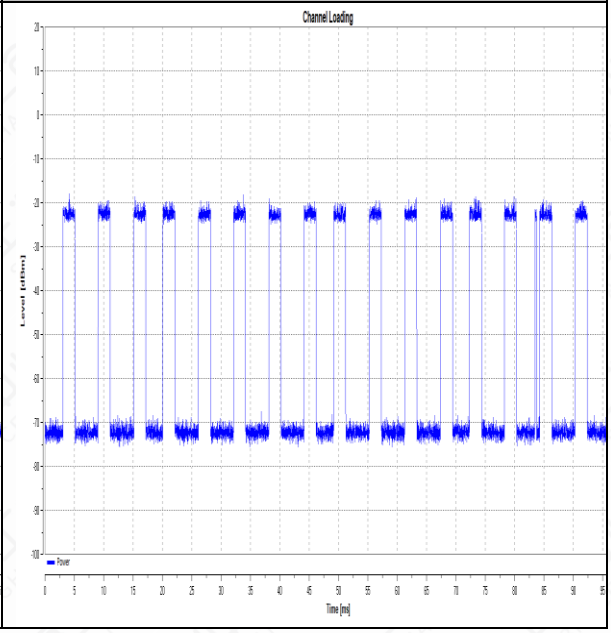
System testing will be performed with channel-loading using means appropriate to the data types that are used by the unlicensed device. The following requirements apply:

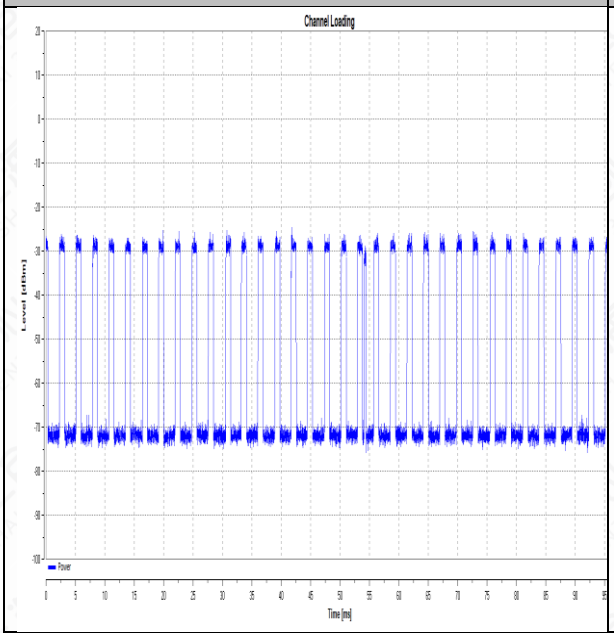
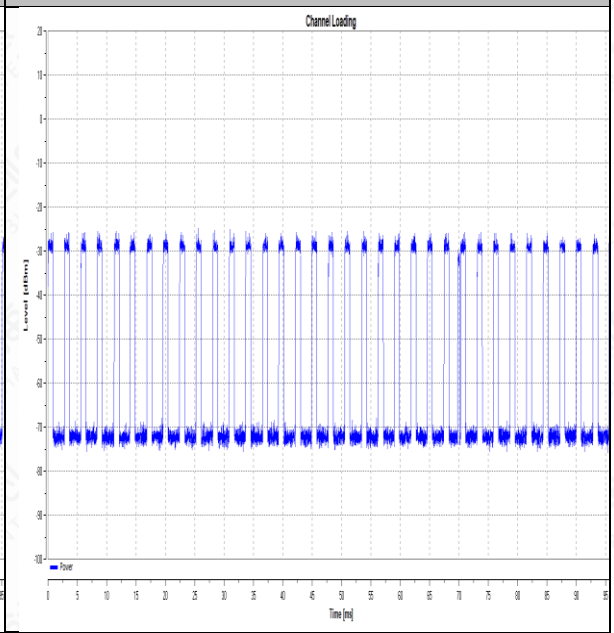
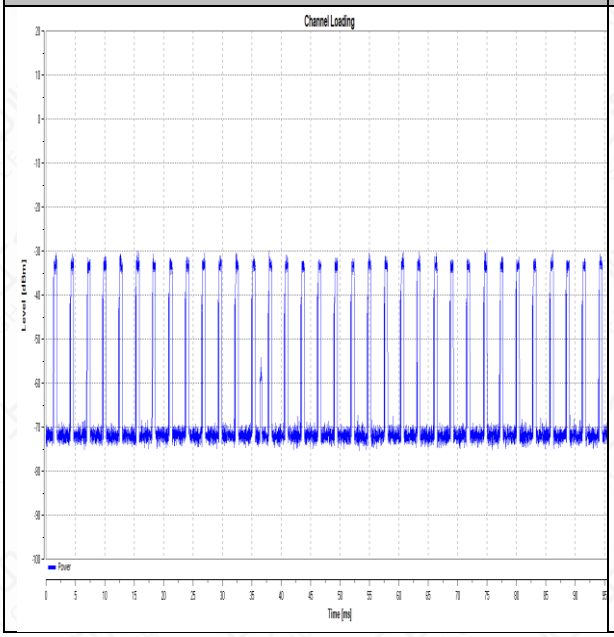
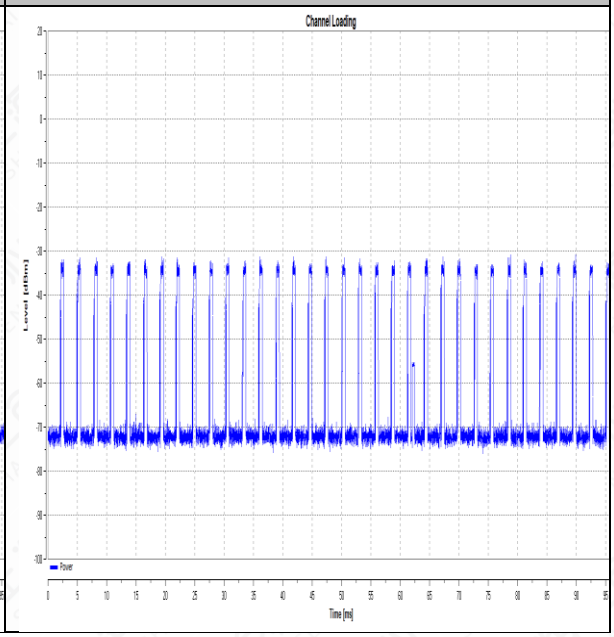
☐	a) The data file must be of a type that is typical for the device (i.e., MPEG-2, MPEG-4, WAV, MP3, MP4, AVI, etc.) and must generally be transmitting in a streaming mode.
☐	b) Software to ping the client is permitted to simulate data transfer but must have random ping intervals.
☑	c) Timing plots are required with calculations demonstrating a minimum channel loading of approximately 17% or greater. For example, channel loading can be estimated by setting the spectrum analyzer for zero span and approximate the Time On/ (Time On + Off Time). This can be done with any appropriate channel BW and modulation type.
☐	d) Unicast or Multicast protocols are preferable but other protocols may be used. The appropriate protocol used must be described in the test procedures.

7.2.2 Test Result

TestMode	Frequency[MHz]	Result	Limit [%]	Verdict
11A-CDD	5260	36.94	17	PASS
11A-CDD	5500	35.3	17	PASS
11N40MIMO	5270	31.09	17	PASS
11N40MIMO	5510	31.62	17	PASS
11AC80MIMO	5290	20.17	17	PASS
11AC80MIMO	5530	19.9	17	PASS

Test Graphs

11A-CDD-5260-PASS	11A-CDD-5500-PASS
	

11N40MIMO-5270-PASS	11N40MIMO-5510-PASS
	
11AC80MIMO-5290-PASS	**11AC80MIMO-5530-PASS**
	

7.3 UNII Detection Bandwidth

7.3.1 Method of Measurement

The generating equipment is configured as shown in the Conducted Test Setup above. A single Burst of the short pulse radar type 0 is produced at 5500 MHz/5510 MHz/5530MHz at a -62 dBm level. The UUT is set up as a standalone device (no associated Client and no traffic). A single radar Burst is generated for a minimum of 10 trials, and the response of the UUT is noted. The UUT must detect the Radar Waveform 90% or more of the time. 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 90%. Repeat this measurement in 1MHz steps at frequencies 5 MHz below where the detection rate begins to fall. Record the highest frequency (denote as FH) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies above FH is not required to demonstrate compliance. Starting at the center frequency of the UUT operating Channel, decrease the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below 90%. Repeat this measurement in 1MHz steps at frequencies 5 MHz above where the detection rate begins to fall. Record the lowest frequency (denote as FL) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies below FL is not required to demonstrate compliance.

The U-NII Detection Bandwidth is calculated as follows:

U-NII Detection Bandwidth = FH – FL

7.3.2 Test Result

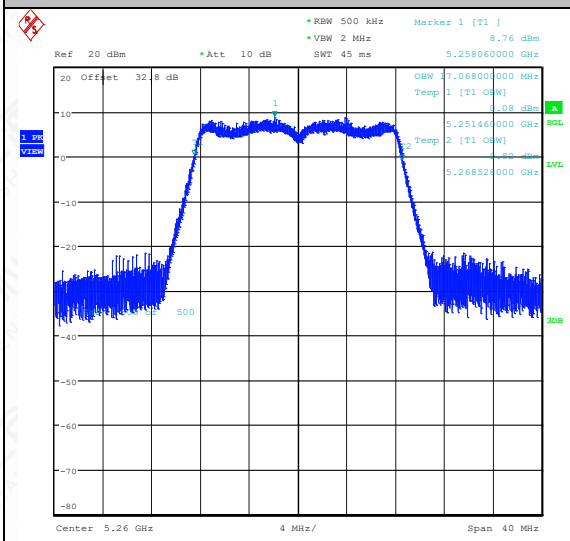
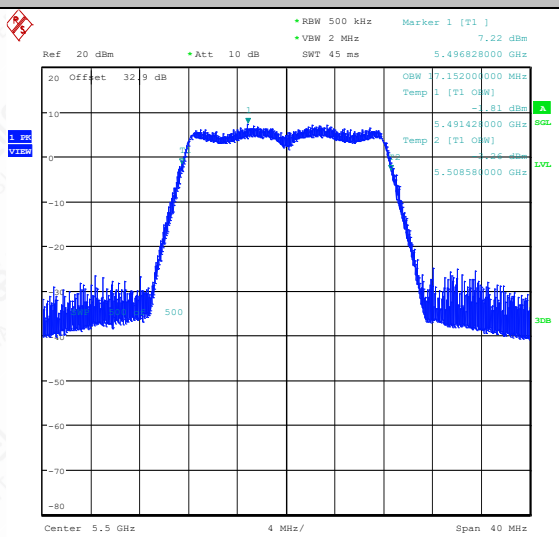
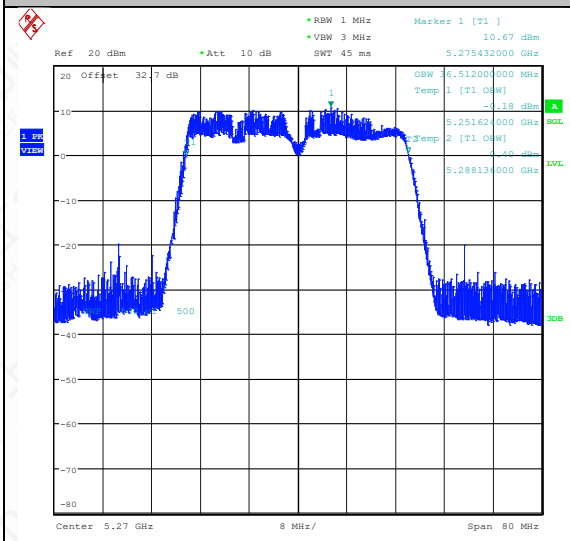
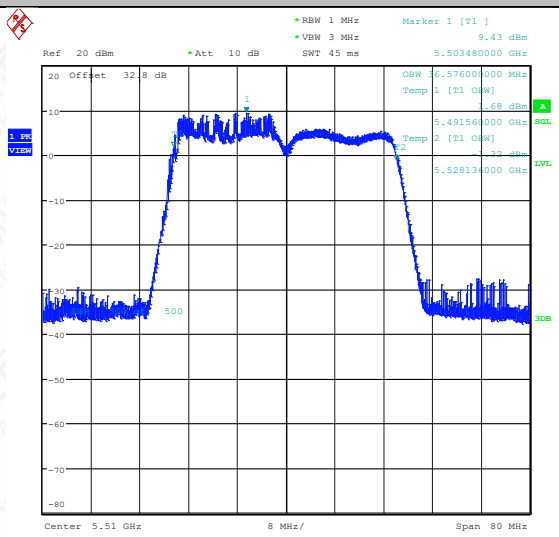
TestMode	Frequency [MHz]	FL[MHz]	FH[MHz]	Detection Bandwidth [MHz]	OCB [MHz]	Ratio [%]	Limit [%]	Verdict
11A-CDD	5260	5248	5272	24	17.268	138.99	≥100	PASS
11A-CDD	5500	5488	5512	24	17.152	139.93	≥100	PASS
11N40MIMO	5270	5249	5291	42	36.544	114.93	≥100	PASS
11N40MIMO	5510	5489	5531	42	36.464	115.18	≥100	PASS
11AC80MIMO	5290	5249	5331	82	76.704	106.90	≥100	PASS
11AC80MIMO	5530	5489	5571	82	76.272	107.51	≥100	PASS
Note 1: All NII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5500 MHz. The 99% channel bandwidth is 16.56 MHz Note 2: Detection Bandwidth = FH - FL = 5509 MHz – 5491 MHz = 18 MHz Note 3: NII Detection Bandwidth Min. Limit (MHz): 16.56 MHz x 100% = 16.56 MHz								

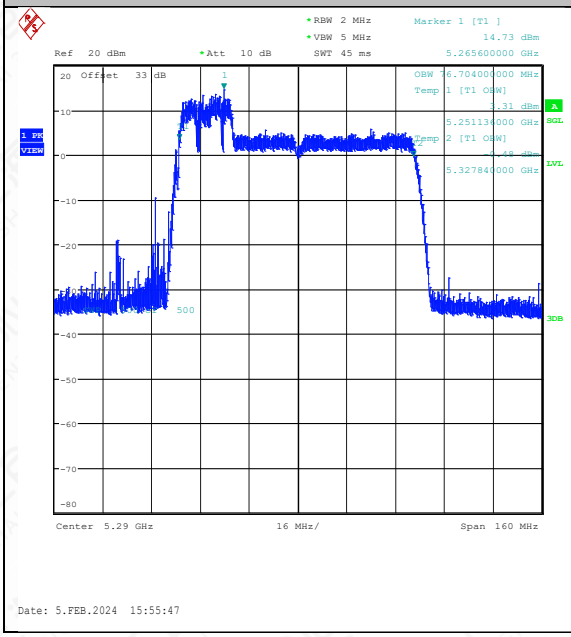
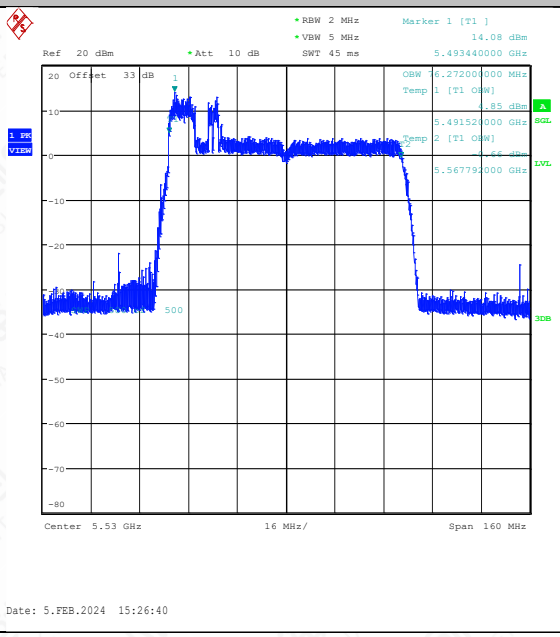
Test Mode	Frequency [MHz]	Radar Freq.	Trial 1	Trial 2	Trial 3	Trial 4	Trial 5	Trial 6	Trial 7	Trial 8	Trial 9	Trial 10	Ratio (%)
11A-CDD	5260	5260	1	1	1	1	1	1	1	1	1	1	100
11A-CDD	5260	5255	1	1	1	1	1	1	1	1	1	1	100
11A-CDD	5260	5250	1	1	1	1	1	1	1	1	1	1	100
11A-CDD	5260	5249	1	1	1	1	1	1	1	1	1	1	100
11A-CDD	5260	5248	1	1	1	1	1	1	1	1	1	1	100
11A-CDD	5260	5247	1	0	0	0	0	0	0	0	0	0	10

11A-CDD	5260	5265	1	1	1	1	1	1	1	1	1	1	100
11A-CDD	5260	5270	1	1	1	1	1	1	1	1	1	1	100
11A-CDD	5260	5271	1	1	1	1	1	1	1	1	1	1	100
11A-CDD	5260	5272	1	1	1	1	1	1	1	1	1	1	100
11A-CDD	5260	5273	0	0	0	0	0	0	0	0	0	0	0
11A-CDD	5500	5500	1	1	1	1	1	1	1	1	1	1	100
11A-CDD	5500	5495	1	1	1	1	1	1	1	1	1	1	100
11A-CDD	5500	5490	1	1	1	1	1	1	1	1	1	1	100
11A-CDD	5500	5489	1	1	1	1	1	1	1	1	1	1	100
11A-CDD	5500	5488	1	1	1	1	1	1	1	1	1	1	100
11A-CDD	5500	5487	0	0	0	0	0	0	0	0	0	0	0
11A-CDD	5500	5505	1	1	1	1	1	1	1	1	1	1	100
11A-CDD	5500	5510	1	1	1	1	1	1	1	1	1	1	100
11A-CDD	5500	5511	1	1	1	1	1	1	1	1	1	1	100
11A-CDD	5500	5512	1	1	1	1	1	1	1	1	1	1	100
11A-CDD	5500	5513	0	0	0	0	0	0	0	0	0	0	0
11N40MIMO	5270	5270	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5270	5265	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5270	5260	1	1	1	1	1	1	0	1	1	1	90
11N40MIMO	5270	5255	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5270	5250	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5270	5249	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5270	5248	0	0	0	0	0	0	0	0	0	0	0
11N40MIMO	5270	5275	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5270	5280	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5270	5285	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5270	5290	1	1	1	1	1	1	0	1	1	1	90
11N40MIMO	5270	5291	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5270	5292	0	0	0	0	0	0	0	0	0	0	0
11N40MIMO	5510	5510	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5510	5505	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5510	5500	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5510	5495	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5510	5490	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5510	5489	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5510	5488	0	0	0	0	0	0	0	0	0	0	0
11N40MIMO	5510	5515	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5510	5520	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5510	5525	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5510	5530	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5510	5531	1	1	1	1	1	1	1	1	1	1	100
11N40MIMO	5510	5532	1	0	0	0	0	0	0	0	0	0	10

11AC80MIMO	5290	5290	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5290	5285	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5290	5280	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5290	5275	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5290	5270	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5290	5265	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5290	5260	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5290	5255	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5290	5250	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5290	5249	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5290	5248	0	0	0	0	0	0	0	0	0	0	0
11AC80MIMO	5290	5295	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5290	5300	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5290	5305	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5290	5310	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5290	5315	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5290	5320	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5290	5325	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5290	5330	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5290	5331	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5290	5332	0	0	0	0	0	0	0	0	0	0	0
11AC80MIMO	5530	5530	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5530	5525	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5530	5520	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5530	5515	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5530	5510	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5530	5505	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5530	5500	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5530	5495	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5530	5490	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5530	5489	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5530	5488	0	0	0	0	0	0	0	0	0	0	0
11AC80MIMO	5530	5535	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5530	5540	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5530	5545	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5530	5550	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5530	5555	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5530	5560	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5530	5565	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5530	5570	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5530	5571	1	1	1	1	1	1	1	1	1	1	100
11AC80MIMO	5530	5572	0	0	0	0	0	0	0	0	0	0	0

Test Graphs

11A-CDD-5260-PASS	11A-CDD-5500-PASS
 Date: 30.JAN.2024 13:49:02	 Date: 30.JAN.2024 14:03:54
11N40MIMO-5270-PASS	**11N40MIMO-5510-PASS**
 Date: 30.JAN.2024 14:17:04	 Date: 30.JAN.2024 15:05:31

11AC80MIMO-5290-PASS	11AC80MIMO-5530-PASS
	

7.4 Initial Channel Availability Check Time

7.4.1 Method of Measurement

The Initial Channel Availability Check Time tests that the UUT does not emit beacon, control, or data signals on the test Channel until the power-up sequence has been completed and the U-NII device checks for Radar Waveforms for one minute on the test Channel. This test does not use any Radar Waveforms and only needs to be performed one time.

a) 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 UUT 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 minute sweep time. The spectrum analyzer's sweep will be started at the same time power is applied to the U-NII device.

b) The UUT should not transmit any beacon or data transmissions until at least 1 minute after the completion of the power-on cycle.

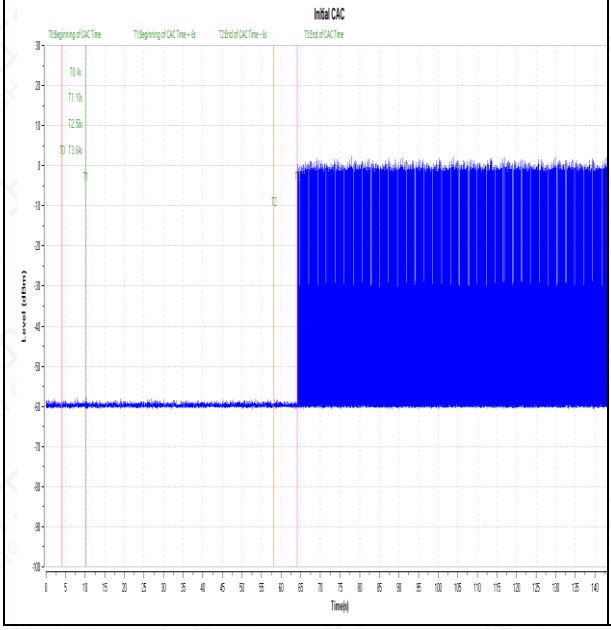
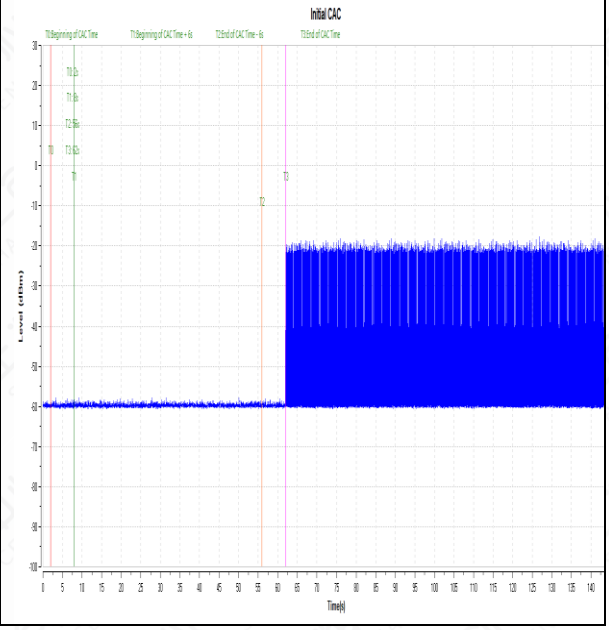
c) Confirm that the UUT initiates transmission on the channel

7.4.2 Test result

EUT Frequency = 5500 MHz (11a mode)

TestMode	Frequency[MHz]	Result	Verdict
11A-CDD	5260	See test Graph	PASS
11A-CDD	5500	See test Graph	PASS

Test Graphs

11A-CDD-5260-PASS	11A-CDD-5500-PASS
	

7.5 Radar Burst at the Beginning of the Channel Availability Check Time

7.5.1 Method of Measurement

The steps below define the procedure to verify successful radar detection on the test 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.

a) The Radar Waveform generator and UUT are connected using the applicable test setup described in the sections on configuration for Conducted Tests (7.2) or Radiated Tests (7.3) and the power of the UUT is switched off.

b) The UUT is powered on at T0. T1 denotes the instant when the UUT has completed its power-up sequence (Tpower_up). The Channel Availability Check Time commences on Chr at instant T1 and will end no sooner than T1 + Tch_avail_check.

c) A single Burst of one of the Short Pulse Radar Types 0-4 will commence within a 6 second window starting at T1. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.

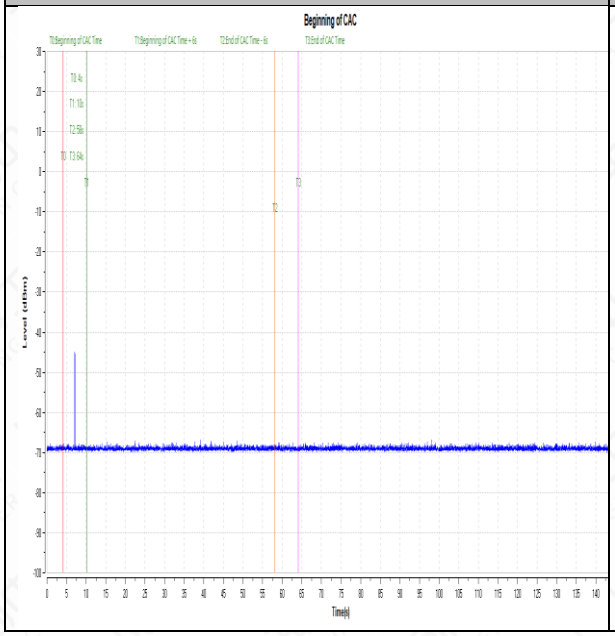
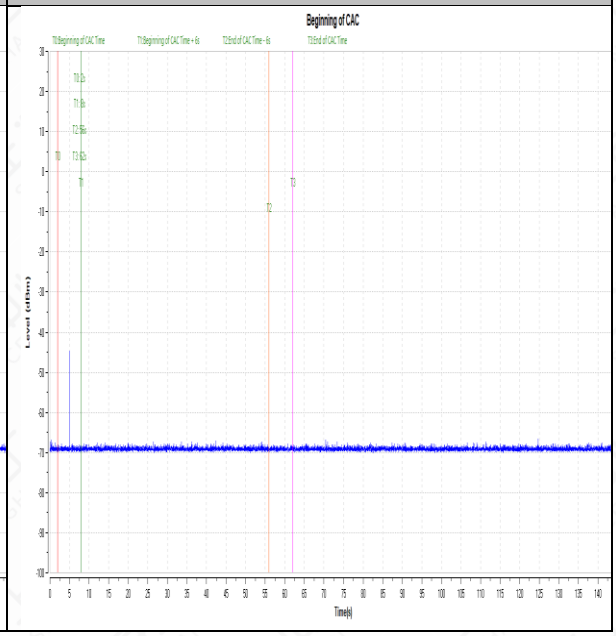
d) Visual indication or measured results on the UUT of successful detection of the radar Burst will be recorded and reported. Observation of Chr for UUT emissions will continue for 2.5 minutes after the radar Burst has been generated.

e) Verify that during the 2.5 minute measurement window no UUT transmissions occurred on Chr. The Channel Availability Check results will be recorded.

7.5.2 Test result

TestMode	Frequency[MHz]	Result	Verdict
11A-CDD	5260	See test Graph	PASS
11A-CDD	5500	See test Graph	PASS

Test Graphs

11A-CDD-5260-Type0-PASS	11A-CDD-5500-Type0-PASS
	

7.6 Radar Burst at the End of the Channel Availability Check Time

7.6.1 Method of Measurement

The steps below define the procedure to verify successful radar detection on the test 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 (-61 dBm) occurs at the beginning of the Channel Availability Check Time.

a) The Radar Waveform generator and UUT are connected using the applicable test setup described in the sections for Conducted Tests (7.2) or Radiated Tests (7.3) and the power of the UUT is switched off.

b) The UUT is powered on at T0. T1 denotes the instant when the UUT has completed its power-up sequence (Tpower_up). The Channel Availability Check Time commences on Chr at instant T1 and will end no sooner than T1 + Tch_avail_check.

c) A single Burst of one of the Short Pulse Radar Types 0-4 will commence within a 6 second window starting at T1 + 54 seconds. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.

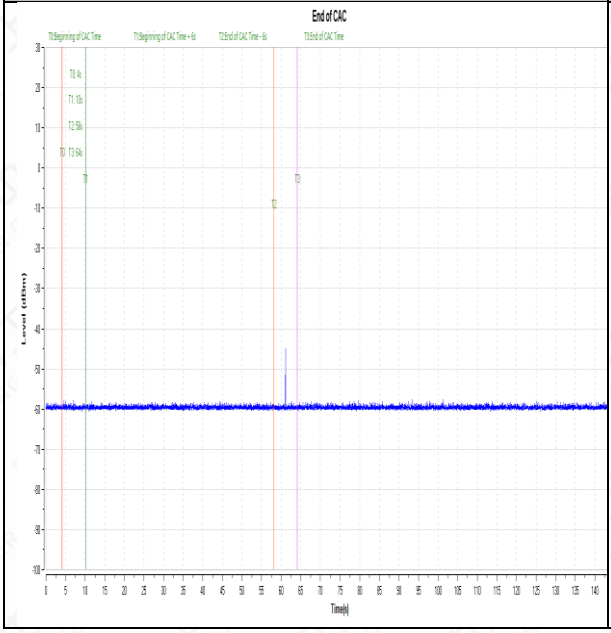
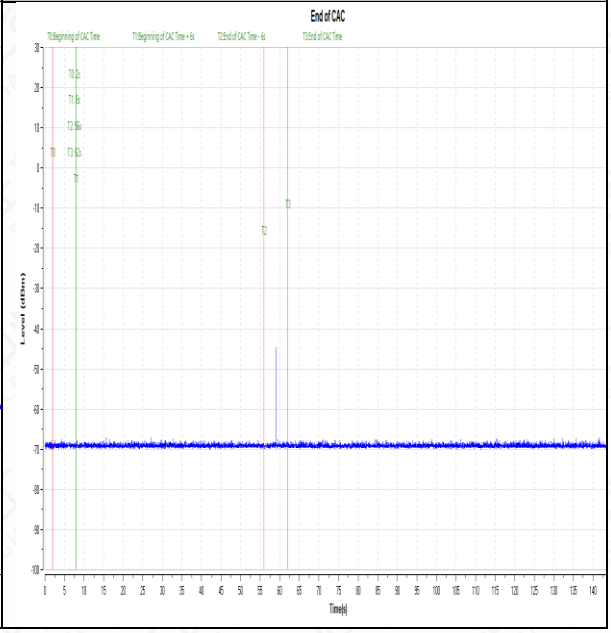
d) Visual indication or measured results on the UUT of successful detection of the radar Burst will be recorded and reported. Observation of Chr for UUT emissions will continue for 2.5 minutes after the radar Burst has been generated.

e) Verify that during the 2.5 minute measurement window no UUT transmissions occurred on Chr. The Channel Availability Check results will be recorded.

7.6.2 Test result

TestMode	Frequency[MHz]	Result	Verdict
11A-CDD	5260	See test Graph	PASS
11A-CDD	5500	See test Graph	PASS

Test Graphs

11A-CDD-5260-Type0-PASS	11A-CDD-5500-Type0-PASS
	

7.7 In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period

7.7.1 Method of Measurement

These tests define how the following DFS parameters are verified during In-Service Monitoring;

- Channel Closing Transmission Time
- Channel Move Time
- Non-Occupancy Period

The steps below define the procedure to determine the above mentioned parameters 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).

a) One frequency will be chosen from the Operating Channels of the EUT within the 5250-5350 MHz or 5470-5725 MHz bands. For 802.11 devices, the test frequency must contain control signals. This can be verified by disabling channel loading and monitoring the spectrum analyzer. If no control signals are detected, another frequency must be selected within the emission bandwidth where control signals are detected.

b) In case the EUT is a U-NII device operating as a Client Device (with or without DFS), a U-NII device operating as a Master Device will be used to allow the EUT (Client device) to Associate wit the Master Device. In case the EUT is a Master Device, a U-NII device operating as a Client Device will be used and it is assumed that the Client will Associate with the EUT (Master). In both cases for conducted tests, the Radar Waveform generator will be connected to the Master Device. For radiated tests, the emissions of the Radar Waveform generator will be directed towards the Master Device. If the Master Device has antenna gain, the main beam of the antenna will be directed toward the radar emitter.

c) Vertical polarization is used for testing.

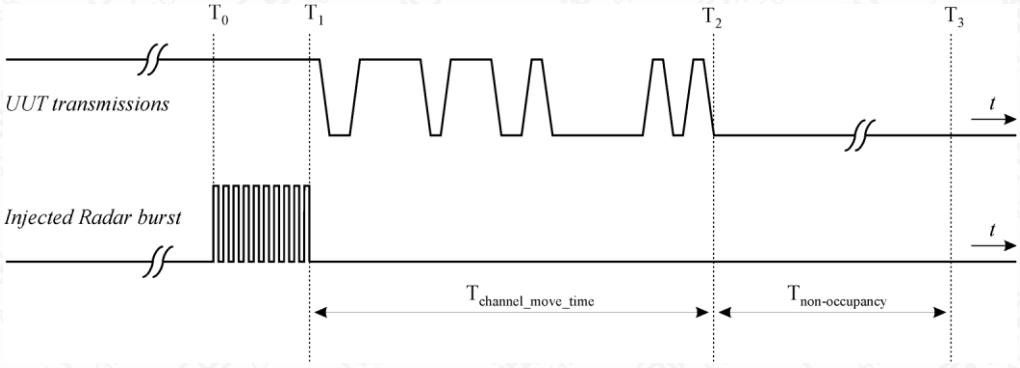
d) Stream the channel loading test file from the Master Device to the Client Device on the test Channel for the entire period of the test.

e) At time T0 the Radar Waveform generator sends a Burst of pulses for one of the Radar Type 0 in Table 5 at levels defined in Table 3, on the Operating Channel. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variation /errors.

f) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the EUT during the observation time (Channel Move Time). Measure and r cord the Channel Move Time and Channel Closing Transmission Time if radar detection occurs. Figure 17 illustrates Channel Closing Transmission Time.

g) When operating as a Master Device, monitor the EUT for more than 30 minutes following instant T2 to verify that the EUT does not resume any transmissions on this Channel. Perform this test once and record the measurement result.

h) In case the EUT is a U-NII device operating as a Client Device with In-Service Monitoring, perform steps a) to f).



Pic 7-1: Channel Closing Transmission Time, Channel Move Time and Non-Occupancy Period

7.7.2 Limits

Channel Move Time	≤10s
Channel Closing Transmission Time	≤200ms + 60ms (over remaining 10s period)
Non-Occupancy Period	≥30min

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 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: The Channel Closing Transmission Time is calculated by the computer.

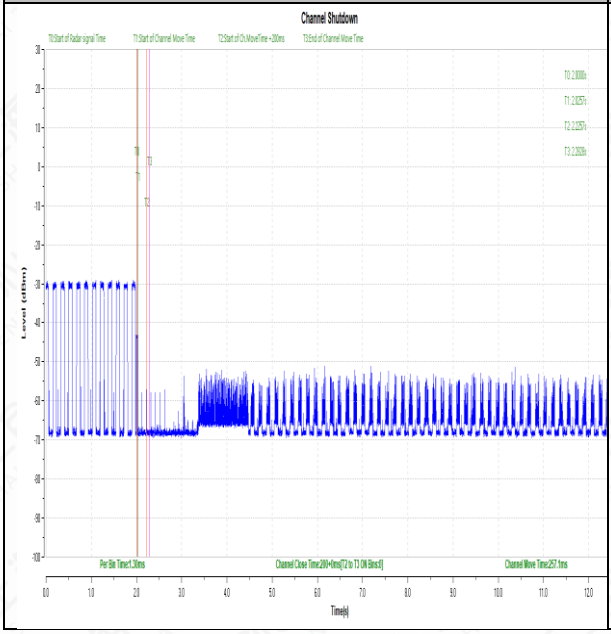
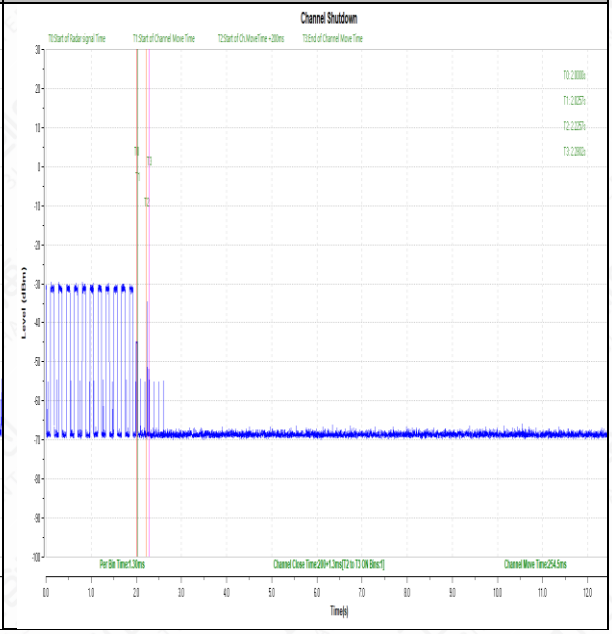
Note 4: A port with a minimum antenna gain was selected for testing. For details, refer to the document" DFS Set-up Photo".

7.7.3 Test result of Channel Move Time and Channel Closing Transmission Time

TestMode	Frequency[MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80MIMO	5290	200+0	200+60	257.1	10000	PASS
11AC80MIMO	5530	200+1.3	200+60	254.5	10000	PASS

Note:
CCTT = 200ms + Per Bin Time * Number of T2 to T3 ON Bins;
CMT=T3-T1.
*CCTT: Channel Closing Transmission Time,
*CMT: Channel Move Time,
*T0: Start of Radar signal Time,
*T1: Start of channel Move Time,
*T2: Start of channel Move Time + 200ms,
*T3: End of Channel Move Time.

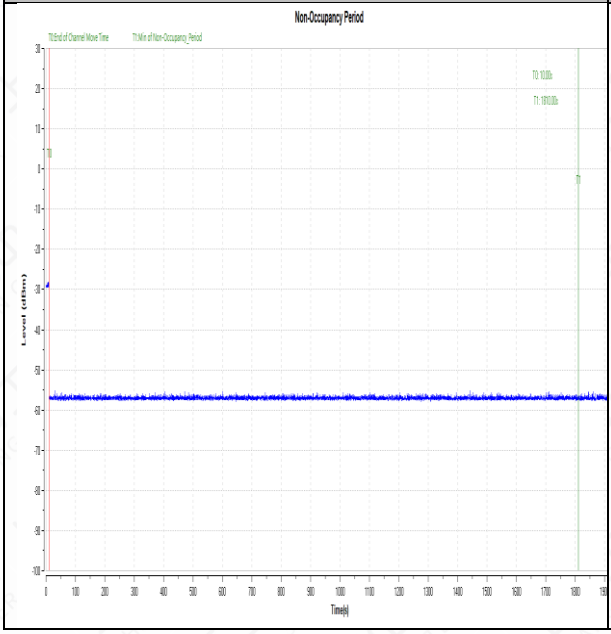
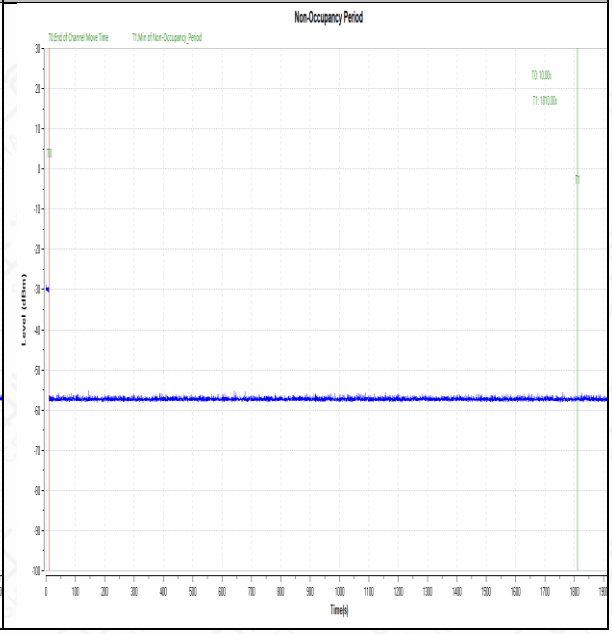
Test Graphs

11AC80MIMO-5290-Type0-PASS	11AC80MIMO-5530-Type0-PASS
	

7.7.4 Test result of Non-Occupancy Period

TestMode	Frequency[MHz]	Result	Limit[s]	Verdict
11AC80MIMO	5290	see test graph	≥1800	PASS
11AC80MIMO	5530	see test graph	≥1800	PASS

Test Graphs

11AC80MIMO-5290-Type0-PASS	11AC80MIMO-5530-Type0-PASS
	

7.8 Statistical Performance Check

7.8.1 Method of Measurement

The steps below define the procedure to determine the minimum percentage of detection when a radar burst with a level equal to the DFS Detection Threshold + 1 dB (-61 dBm) is generated on the Operating Channel of the U-NII device (In- Service Monitoring).

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.

The Radar Waveform generator sends the individual waveform for each of the radar types 1-6 at -61 dBm. Statistical data will be gathered to determine the ability of the device to detect the radar test waveforms. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs.

The Minimum number of trails, minimum percentage of successful detection and the average minimum percentage of successful detection are found in the Radar Test Waveforms section.

7.8.2 Test Result

T1-T4:

TestMode	Frequency[MHz]	Radar Type	Pass Times	Fail Times	Probability (%)	Limit (%)	Verdict
11A-CDD	5260	Type1	29	1	96.67	60	PASS
11A-CDD	5260	Type2	25	5	83.33	60	PASS
11A-CDD	5260	Type3	26	4	86.67	60	PASS
11A-CDD	5260	Type4	27	3	90.00	60	PASS
11A-CDD	5260	Type 1-4	---	---	89.17	80	PASS
11A-CDD	5260	Type5	29	1	96.67	80	PASS
11A-CDD	5260	Type6	28	2	93.33	70	PASS
11A-CDD	5500	Type1	30	0	100.00	60	PASS
11A-CDD	5500	Type2	30	0	100.00	60	PASS
11A-CDD	5500	Type3	28	2	93.33	60	PASS
11A-CDD	5500	Type4	29	1	96.67	60	PASS
11A-CDD	5500	Type 1-4	---	---	97.50	80	PASS
11A-CDD	5500	Type5	30	0	100.00	80	PASS
11A-CDD	5500	Type6	30	0	100.00	70	PASS
11N40MIMO	5270	Type1	29	1	96.67	60	PASS
11N40MIMO	5270	Type2	27	3	90.00	60	PASS
11N40MIMO	5270	Type3	29	1	96.67	60	PASS
11N40MIMO	5270	Type4	28	2	93.33	60	PASS
11N40MIMO	5270	Type 1-4	---	---	94.17	80	PASS
11N40MIMO	5270	Type5	29	1	96.67	80	PASS
11N40MIMO	5270	Type6	30	0	100.00	70	PASS
11N40MIMO	5510	Type1	27	3	90.00	60	PASS
11N40MIMO	5510	Type2	27	3	90.00	60	PASS
11N40MIMO	5510	Type3	26	4	86.67	60	PASS
11N40MIMO	5510	Type4	21	9	70.00	60	PASS
11N40MIMO	5510	Type 1-4	---	---	84.17	80	PASS
11N40MIMO	5510	Type5	30	0	100.00	80	PASS
11N40MIMO	5510	Type6	27	3	90.00	70	PASS
11AC80MIMO	5290	Type1	30	0	100.00	60	PASS
11AC80MIMO	5290	Type2	30	0	100.00	60	PASS
11AC80MIMO	5290	Type3	29	1	96.67	60	PASS
11AC80MIMO	5290	Type4	28	2	93.33	60	PASS
11AC80MIMO	5290	Type 1-4	---	---	97.50	80	PASS
11AC80MIMO	5290	Type5	30	0	100.00	80	PASS
11AC80MIMO	5290	Type6	30	0	100.00	70	PASS
11AC80MIMO	5530	Type1	30	0	100.00	60	PASS
11AC80MIMO	5530	Type2	30	0	100.00	60	PASS
11AC80MIMO	5530	Type3	28	2	93.33	60	PASS
11AC80MIMO	5530	Type4	30	0	100.00	60	PASS

11AC80MIMO	5530	Type 1-4	---	---	98.33	80	PASS
11AC80MIMO	5530	Type5	30	0	100.00	80	PASS
11AC80MIMO	5530	Type6	30	0	100.00	70	PASS

TestMode	Frequency [MHz]	Radar Type	Trial ID	Pulses per	Pulse width(μs)	PRI(μs)	Detection (1: Yes; 0: No)
11A-CDD	5260	Type1	0	59	1	898	1
11A-CDD	5260	Type1	1	68	1	778	1
11A-CDD	5260	Type1	2	98	1	538	1
11A-CDD	5260	Type1	3	98	1	538	1
11A-CDD	5260	Type1	4	86	1	618	1
11A-CDD	5260	Type1	5	86	1	618	1
11A-CDD	5260	Type1	6	72	1	738	1
11A-CDD	5260	Type1	7	67	1	798	1
11A-CDD	5260	Type1	8	74	1	718	1
11A-CDD	5260	Type1	9	62	1	858	1
11A-CDD	5260	Type1	10	102	1	518	1
11A-CDD	5260	Type1	11	65	1	818	1
11A-CDD	5260	Type1	12	58	1	918	1
11A-CDD	5260	Type1	13	74	1	718	1
11A-CDD	5260	Type1	14	61	1	878	0
11A-CDD	5260	Type1	15	65	1	818	1
11A-CDD	5260	Type1	16	83	1	638	1
11A-CDD	5260	Type1	17	78	1	678	1
11A-CDD	5260	Type1	18	63	1	838	1
11A-CDD	5260	Type1	19	81	1	658	1
11A-CDD	5260	Type1	20	67	1	798	1
11A-CDD	5260	Type1	21	81	1	658	1
11A-CDD	5260	Type1	22	89	1	598	1
11A-CDD	5260	Type1	23	92	1	578	1
11A-CDD	5260	Type1	24	102	1	518	1
11A-CDD	5260	Type1	25	57	1	938	1
11A-CDD	5260	Type1	26	58	1	918	1
11A-CDD	5260	Type1	27	65	1	818	1
11A-CDD	5260	Type1	28	70	1	758	1
11A-CDD	5260	Type1	29	65	1	818	1
11A-CDD	5260	Type2	0	24	1.2	167	1
11A-CDD	5260	Type2	1	23	4.8	165	0
11A-CDD	5260	Type2	2	29	2.7	177	1

11A-CDD	5260	Type2	3	27	2.8	223	0
11A-CDD	5260	Type2	4	28	2.2	174	1
11A-CDD	5260	Type2	5	26	1.7	189	1
11A-CDD	5260	Type2	6	27	3.1	187	1
11A-CDD	5260	Type2	7	29	5	218	0
11A-CDD	5260	Type2	8	29	3.7	216	1
11A-CDD	5260	Type2	9	27	4.3	201	1
11A-CDD	5260	Type2	10	26	3.6	210	0
11A-CDD	5260	Type2	11	29	2.2	220	0
11A-CDD	5260	Type2	12	26	2.1	207	1
11A-CDD	5260	Type2	13	28	2.1	167	1
11A-CDD	5260	Type2	14	24	4.6	219	1
11A-CDD	5260	Type2	15	26	4.4	213	1
11A-CDD	5260	Type2	16	25	4.8	195	1
11A-CDD	5260	Type2	17	24	1.2	215	1
11A-CDD	5260	Type2	18	28	4.2	178	1
11A-CDD	5260	Type2	19	24	4.5	202	1
11A-CDD	5260	Type2	20	23	2.5	171	1
11A-CDD	5260	Type2	21	29	1.1	162	1
11A-CDD	5260	Type2	22	27	2.9	208	1
11A-CDD	5260	Type2	23	23	1.8	184	1
11A-CDD	5260	Type2	24	27	4.1	203	1
11A-CDD	5260	Type2	25	29	1.6	214	1
11A-CDD	5260	Type2	26	26	2.7	169	1
11A-CDD	5260	Type2	27	28	2.2	218	1
11A-CDD	5260	Type2	28	25	3.1	174	1
11A-CDD	5260	Type2	29	27	3.6	200	1
11A-CDD	5260	Type3	0	18	8.1	395	1
11A-CDD	5260	Type3	1	17	9	242	1
11A-CDD	5260	Type3	2	17	6.9	213	1
11A-CDD	5260	Type3	3	18	8.6	216	1
11A-CDD	5260	Type3	4	17	9.5	278	1
11A-CDD	5260	Type3	7	17	8	342	1
11A-CDD	5260	Type3	8	17	7.7	435	1
11A-CDD	5260	Type3	9	16	7.9	438	1
11A-CDD	5260	Type3	10	18	6.9	255	1
11A-CDD	5260	Type3	11	17	7.4	330	0
11A-CDD	5260	Type3	12	17	9.4	475	1
11A-CDD	5260	Type3	13	17	8.9	361	0
11A-CDD	5260	Type3	14	17	8.7	452	0
11A-CDD	5260	Type3	15	18	9	363	1

11A-CDD	5260	Type3	16	17	6.3	221	1
11A-CDD	5260	Type3	17	16	6	434	1
11A-CDD	5260	Type3	18	18	8.2	324	0
11A-CDD	5260	Type3	19	17	6.9	413	1
11A-CDD	5260	Type3	20	17	9	448	1
11A-CDD	5260	Type3	21	18	9.3	204	1
11A-CDD	5260	Type3	22	16	10	477	1
11A-CDD	5260	Type3	23	17	6.8	425	1
11A-CDD	5260	Type3	24	18	6	400	1
11A-CDD	5260	Type3	25	18	7.9	347	1
11A-CDD	5260	Type3	26	17	8.5	251	1
11A-CDD	5260	Type3	27	18	6.2	272	1
11A-CDD	5260	Type3	28	16	8.2	493	1
11A-CDD	5260	Type3	29	16	9.6	495	1
11A-CDD	5260	Type3	5	17	9.8	318	1
11A-CDD	5260	Type3	6	18	6.5	486	1
11A-CDD	5260	Type4	0	14	15.2	318	1
11A-CDD	5260	Type4	1	15	18.1	211	1
11A-CDD	5260	Type4	2	13	11.8	301	1
11A-CDD	5260	Type4	3	12	18.2	387	1
11A-CDD	5260	Type4	4	15	19.3	439	1
11A-CDD	5260	Type4	5	16	13.1	215	1
11A-CDD	5260	Type4	6	15	17.2	321	1
11A-CDD	5260	Type4	7	15	11.6	234	1
11A-CDD	5260	Type4	8	13	13.3	457	1
11A-CDD	5260	Type4	9	13	19.6	460	1
11A-CDD	5260	Type4	10	13	16.3	297	1
11A-CDD	5260	Type4	11	13	18.8	425	1
11A-CDD	5260	Type4	12	16	18.9	405	1
11A-CDD	5260	Type4	13	14	16.8	364	0
11A-CDD	5260	Type4	14	13	13.2	495	1
11A-CDD	5260	Type4	15	15	18.1	448	1
11A-CDD	5260	Type4	16	14	16.6	473	0
11A-CDD	5260	Type4	17	16	15.6	249	1
11A-CDD	5260	Type4	18	13	16.2	222	1
11A-CDD	5260	Type4	19	16	14.8	431	1
11A-CDD	5260	Type4	20	15	12.5	489	1
11A-CDD	5260	Type4	21	16	12.1	323	1
11A-CDD	5260	Type4	22	16	13.9	256	1
11A-CDD	5260	Type4	23	15	13	246	1
11A-CDD	5260	Type4	24	13	15.9	409	0

11A-CDD	5260	Type4	25	15	11.6	402	1
11A-CDD	5260	Type4	26	14	12.8	220	1
11A-CDD	5260	Type4	27	16	18.3	393	1
11A-CDD	5260	Type4	28	15	17.3	500	1
11A-CDD	5260	Type4	29	15	14	297	1
11A-CDD	5500	Type1	0	59	1	898	1
11A-CDD	5500	Type1	1	68	1	778	1
11A-CDD	5500	Type1	2	98	1	538	1
11A-CDD	5500	Type1	3	98	1	538	1
11A-CDD	5500	Type1	4	86	1	618	1
11A-CDD	5500	Type1	5	86	1	618	1
11A-CDD	5500	Type1	6	72	1	738	1
11A-CDD	5500	Type1	7	67	1	798	1
11A-CDD	5500	Type1	8	74	1	718	1
11A-CDD	5500	Type1	9	62	1	858	1
11A-CDD	5500	Type1	10	102	1	518	1
11A-CDD	5500	Type1	11	65	1	818	1
11A-CDD	5500	Type1	12	58	1	918	1
11A-CDD	5500	Type1	13	74	1	718	1
11A-CDD	5500	Type1	14	61	1	878	1
11A-CDD	5500	Type1	15	65	1	818	1
11A-CDD	5500	Type1	16	83	1	638	1
11A-CDD	5500	Type1	17	78	1	678	1
11A-CDD	5500	Type1	18	63	1	838	1
11A-CDD	5500	Type1	19	81	1	658	1
11A-CDD	5500	Type1	20	67	1	798	1
11A-CDD	5500	Type1	21	81	1	658	1
11A-CDD	5500	Type1	22	89	1	598	1
11A-CDD	5500	Type1	23	92	1	578	1
11A-CDD	5500	Type1	24	102	1	518	1
11A-CDD	5500	Type1	25	57	1	938	1
11A-CDD	5500	Type1	26	58	1	918	1
11A-CDD	5500	Type1	27	65	1	818	1
11A-CDD	5500	Type1	28	70	1	758	1
11A-CDD	5500	Type1	29	65	1	818	1
11A-CDD	5500	Type2	0	24	1.2	167	1
11A-CDD	5500	Type2	1	23	4.8	165	1
11A-CDD	5500	Type2	2	29	2.7	177	1
11A-CDD	5500	Type2	3	27	2.8	223	1
11A-CDD	5500	Type2	4	28	2.2	174	1
11A-CDD	5500	Type2	5	26	1.7	189	1

11A-CDD	5500	Type2	6	27	3.1	187	1
11A-CDD	5500	Type2	7	29	5	218	1
11A-CDD	5500	Type2	8	29	3.7	216	1
11A-CDD	5500	Type2	9	27	4.3	201	1
11A-CDD	5500	Type2	10	26	3.6	210	1
11A-CDD	5500	Type2	11	29	2.2	220	1
11A-CDD	5500	Type2	12	26	2.1	207	1
11A-CDD	5500	Type2	13	28	2.1	167	1
11A-CDD	5500	Type2	14	24	4.6	219	1
11A-CDD	5500	Type2	15	26	4.4	213	1
11A-CDD	5500	Type2	16	25	4.8	195	1
11A-CDD	5500	Type2	17	24	1.2	215	1
11A-CDD	5500	Type2	18	28	4.2	178	1
11A-CDD	5500	Type2	19	24	4.5	202	1
11A-CDD	5500	Type2	20	23	2.5	171	1
11A-CDD	5500	Type2	21	29	1.1	162	1
11A-CDD	5500	Type2	22	27	2.9	208	1
11A-CDD	5500	Type2	23	23	1.8	184	1
11A-CDD	5500	Type2	24	27	4.1	203	1
11A-CDD	5500	Type2	25	29	1.6	214	1
11A-CDD	5500	Type2	26	26	2.7	169	1
11A-CDD	5500	Type2	27	28	2.2	218	1
11A-CDD	5500	Type2	28	25	3.1	174	1
11A-CDD	5500	Type2	29	27	3.6	200	1
11A-CDD	5500	Type3	0	18	8.1	395	1
11A-CDD	5500	Type3	1	17	9	242	1
11A-CDD	5500	Type3	2	17	6.9	213	1
11A-CDD	5500	Type3	3	18	8.6	216	1
11A-CDD	5500	Type3	4	17	9.5	278	1
11A-CDD	5500	Type3	5	17	8	342	1
11A-CDD	5500	Type3	6	17	7.7	435	1
11A-CDD	5500	Type3	7	16	7.9	438	1
11A-CDD	5500	Type3	8	18	6.9	255	1
11A-CDD	5500	Type3	9	17	7.4	330	1
11A-CDD	5500	Type3	10	17	9.4	475	1
11A-CDD	5500	Type3	11	17	8.9	361	1
11A-CDD	5500	Type3	12	17	8.7	452	0
11A-CDD	5500	Type3	13	18	9	363	1
11A-CDD	5500	Type3	14	17	6.3	221	1
11A-CDD	5500	Type3	15	16	6	434	1
11A-CDD	5500	Type3	16	18	8.2	324	1

11A-CDD	5500	Type3	17	17	6.9	413	1
11A-CDD	5500	Type3	18	17	9	448	1
11A-CDD	5500	Type3	19	18	9.3	204	1
11A-CDD	5500	Type3	20	16	10	477	1
11A-CDD	5500	Type3	21	17	6.8	425	1
11A-CDD	5500	Type3	22	18	6	400	1
11A-CDD	5500	Type3	23	18	7.9	347	1
11A-CDD	5500	Type3	24	17	8.5	251	1
11A-CDD	5500	Type3	25	18	6.2	272	1
11A-CDD	5500	Type3	26	16	8.2	493	1
11A-CDD	5500	Type3	27	16	9.6	495	1
11A-CDD	5500	Type3	28	17	9.8	318	1
11A-CDD	5500	Type3	29	18	6.5	486	0
11A-CDD	5500	Type4	0	14	15.2	318	1
11A-CDD	5500	Type4	1	15	18.1	211	1
11A-CDD	5500	Type4	2	13	11.8	301	1
11A-CDD	5500	Type4	3	12	18.2	387	1
11A-CDD	5500	Type4	4	15	19.3	439	1
11A-CDD	5500	Type4	5	16	13.1	215	1
11A-CDD	5500	Type4	6	15	17.2	321	1
11A-CDD	5500	Type4	7	15	11.6	234	0
11A-CDD	5500	Type4	8	13	13.3	457	1
11A-CDD	5500	Type4	9	13	19.6	460	1
11A-CDD	5500	Type4	10	13	16.3	297	1
11A-CDD	5500	Type4	11	13	18.8	425	1
11A-CDD	5500	Type4	12	16	18.9	405	1
11A-CDD	5500	Type4	13	14	16.8	364	1
11A-CDD	5500	Type4	14	13	13.2	495	1
11A-CDD	5500	Type4	15	15	18.1	448	1
11A-CDD	5500	Type4	16	14	16.6	473	1
11A-CDD	5500	Type4	17	16	15.6	249	1
11A-CDD	5500	Type4	18	13	16.2	222	1
11A-CDD	5500	Type4	19	16	14.8	431	1
11A-CDD	5500	Type4	20	15	12.5	489	1
11A-CDD	5500	Type4	21	16	12.1	323	1
11A-CDD	5500	Type4	22	16	13.9	256	1
11A-CDD	5500	Type4	23	15	13	246	1
11A-CDD	5500	Type4	24	13	15.9	409	1
11A-CDD	5500	Type4	25	15	11.6	402	1
11A-CDD	5500	Type4	26	14	12.8	220	1
11A-CDD	5500	Type4	27	16	18.3	393	1

11A-CDD	5500	Type4	28	15	17.3	500	1
11A-CDD	5500	Type4	29	15	14	297	1
11N40MIMO	5270	Type1	0	59	1	898	1
11N40MIMO	5270	Type1	1	68	1	778	1
11N40MIMO	5270	Type1	2	98	1	538	1
11N40MIMO	5270	Type1	3	98	1	538	1
11N40MIMO	5270	Type1	4	86	1	618	1
11N40MIMO	5270	Type1	5	86	1	618	1
11N40MIMO	5270	Type1	6	72	1	738	1
11N40MIMO	5270	Type1	7	67	1	798	1
11N40MIMO	5270	Type1	8	74	1	718	1
11N40MIMO	5270	Type1	9	62	1	858	1
11N40MIMO	5270	Type1	10	102	1	518	1
11N40MIMO	5270	Type1	11	65	1	818	1
11N40MIMO	5270	Type1	12	58	1	918	1
11N40MIMO	5270	Type1	13	74	1	718	1
11N40MIMO	5270	Type1	14	61	1	878	1
11N40MIMO	5270	Type1	15	65	1	818	1
11N40MIMO	5270	Type1	16	83	1	638	1
11N40MIMO	5270	Type1	17	78	1	678	1
11N40MIMO	5270	Type1	18	63	1	838	1
11N40MIMO	5270	Type1	19	81	1	658	1
11N40MIMO	5270	Type1	20	67	1	798	1
11N40MIMO	5270	Type1	21	81	1	658	1
11N40MIMO	5270	Type1	22	89	1	598	0
11N40MIMO	5270	Type1	23	92	1	578	1
11N40MIMO	5270	Type1	24	102	1	518	1
11N40MIMO	5270	Type1	25	57	1	938	1
11N40MIMO	5270	Type1	26	58	1	918	1
11N40MIMO	5270	Type1	27	65	1	818	1
11N40MIMO	5270	Type1	28	70	1	758	1
11N40MIMO	5270	Type1	29	65	1	818	1
11N40MIMO	5270	Type2	0	24	1.2	167	1
11N40MIMO	5270	Type2	1	23	4.8	165	1
11N40MIMO	5270	Type2	2	29	2.7	177	1
11N40MIMO	5270	Type2	3	27	2.8	223	1
11N40MIMO	5270	Type2	4	28	2.2	174	1
11N40MIMO	5270	Type2	5	26	1.7	189	1
11N40MIMO	5270	Type2	6	27	3.1	187	1
11N40MIMO	5270	Type2	7	29	5	218	1
11N40MIMO	5270	Type2	8	29	3.7	216	1

11N40MIMO	5270	Type2	9	27	4.3	201	1
11N40MIMO	5270	Type2	10	26	3.6	210	1
11N40MIMO	5270	Type2	11	29	2.2	220	1
11N40MIMO	5270	Type2	12	26	2.1	207	1
11N40MIMO	5270	Type2	13	28	2.1	167	1
11N40MIMO	5270	Type2	14	24	4.6	219	1
11N40MIMO	5270	Type2	15	26	4.4	213	1
11N40MIMO	5270	Type2	16	25	4.8	195	0
11N40MIMO	5270	Type2	17	24	1.2	215	1
11N40MIMO	5270	Type2	18	28	4.2	178	1
11N40MIMO	5270	Type2	19	24	4.5	202	0
11N40MIMO	5270	Type2	20	23	2.5	171	0
11N40MIMO	5270	Type2	21	29	1.1	162	1
11N40MIMO	5270	Type2	22	27	2.9	208	1
11N40MIMO	5270	Type2	23	23	1.8	184	1
11N40MIMO	5270	Type2	24	27	4.1	203	1
11N40MIMO	5270	Type2	25	29	1.6	214	1
11N40MIMO	5270	Type2	26	26	2.7	169	1
11N40MIMO	5270	Type2	27	28	2.2	218	1
11N40MIMO	5270	Type2	28	25	3.1	174	1
11N40MIMO	5270	Type2	29	27	3.6	200	1
11N40MIMO	5270	Type3	0	18	8.1	395	1
11N40MIMO	5270	Type3	1	17	9	242	1
11N40MIMO	5270	Type3	2	17	6.9	213	1
11N40MIMO	5270	Type3	3	18	8.6	216	1
11N40MIMO	5270	Type3	4	17	9.5	278	0
11N40MIMO	5270	Type3	5	17	8	342	1
11N40MIMO	5270	Type3	6	17	7.7	435	1
11N40MIMO	5270	Type3	7	16	7.9	438	1
11N40MIMO	5270	Type3	8	18	6.9	255	1
11N40MIMO	5270	Type3	9	17	7.4	330	1
11N40MIMO	5270	Type3	10	17	9.4	475	1
11N40MIMO	5270	Type3	11	17	8.9	361	1
11N40MIMO	5270	Type3	12	17	8.7	452	1
11N40MIMO	5270	Type3	13	18	9	363	1
11N40MIMO	5270	Type3	14	17	6.3	221	1
11N40MIMO	5270	Type3	15	16	6	434	1
11N40MIMO	5270	Type3	16	18	8.2	324	1
11N40MIMO	5270	Type3	17	17	6.9	413	1
11N40MIMO	5270	Type3	18	17	9	448	1
11N40MIMO	5270	Type3	19	18	9.3	204	1

11N40MIMO	5270	Type3	20	16	10	477	1
11N40MIMO	5270	Type3	21	17	6.8	425	1
11N40MIMO	5270	Type3	22	18	6	400	1
11N40MIMO	5270	Type3	23	18	7.9	347	1
11N40MIMO	5270	Type3	24	17	8.5	251	1
11N40MIMO	5270	Type3	25	18	6.2	272	1
11N40MIMO	5270	Type3	26	16	8.2	493	1
11N40MIMO	5270	Type3	27	16	9.6	495	1
11N40MIMO	5270	Type3	28	17	9.8	318	1
11N40MIMO	5270	Type3	29	18	6.5	486	1
11N40MIMO	5270	Type4	0	14	15.2	318	1
11N40MIMO	5270	Type4	1	15	18.1	211	0
11N40MIMO	5270	Type4	2	13	11.8	301	0
11N40MIMO	5270	Type4	3	12	18.2	387	1
11N40MIMO	5270	Type4	4	15	19.3	439	1
11N40MIMO	5270	Type4	5	16	13.1	215	1
11N40MIMO	5270	Type4	6	15	17.2	321	1
11N40MIMO	5270	Type4	7	15	11.6	234	1
11N40MIMO	5270	Type4	8	13	13.3	457	1
11N40MIMO	5270	Type4	9	13	19.6	460	1
11N40MIMO	5270	Type4	10	13	16.3	297	1
11N40MIMO	5270	Type4	11	13	18.8	425	1
11N40MIMO	5270	Type4	12	16	18.9	405	1
11N40MIMO	5270	Type4	13	14	16.8	364	1
11N40MIMO	5270	Type4	14	13	13.2	495	1
11N40MIMO	5270	Type4	15	15	18.1	448	1
11N40MIMO	5270	Type4	16	14	16.6	473	1
11N40MIMO	5270	Type4	17	16	15.6	249	1
11N40MIMO	5270	Type4	18	13	16.2	222	1
11N40MIMO	5270	Type4	19	16	14.8	431	1
11N40MIMO	5270	Type4	20	15	12.5	489	1
11N40MIMO	5270	Type4	21	16	12.1	323	1
11N40MIMO	5270	Type4	22	16	13.9	256	1
11N40MIMO	5270	Type4	23	15	13	246	1
11N40MIMO	5270	Type4	24	13	15.9	409	1
11N40MIMO	5270	Type4	25	15	11.6	402	1
11N40MIMO	5270	Type4	26	14	12.8	220	1
11N40MIMO	5270	Type4	27	16	18.3	393	1
11N40MIMO	5270	Type4	28	15	17.3	500	1
11N40MIMO	5270	Type4	29	15	14	297	1
11N40MIMO	5510	Type1	0	59	1	898	1

11N40MIMO	5510	Type1	1	68	1	778	1
11N40MIMO	5510	Type1	2	98	1	538	1
11N40MIMO	5510	Type1	3	98	1	538	1
11N40MIMO	5510	Type1	4	86	1	618	1
11N40MIMO	5510	Type1	5	86	1	618	1
11N40MIMO	5510	Type1	6	72	1	738	0
11N40MIMO	5510	Type1	7	67	1	798	1
11N40MIMO	5510	Type1	8	74	1	718	1
11N40MIMO	5510	Type1	9	62	1	858	1
11N40MIMO	5510	Type1	10	102	1	518	1
11N40MIMO	5510	Type1	11	65	1	818	1
11N40MIMO	5510	Type1	12	58	1	918	1
11N40MIMO	5510	Type1	13	74	1	718	1
11N40MIMO	5510	Type1	14	61	1	878	1
11N40MIMO	5510	Type1	15	65	1	818	1
11N40MIMO	5510	Type1	16	83	1	638	1
11N40MIMO	5510	Type1	17	78	1	678	1
11N40MIMO	5510	Type1	18	63	1	838	0
11N40MIMO	5510	Type1	19	81	1	658	1
11N40MIMO	5510	Type1	20	67	1	798	0
11N40MIMO	5510	Type1	21	81	1	658	1
11N40MIMO	5510	Type1	22	89	1	598	1
11N40MIMO	5510	Type1	23	92	1	578	1
11N40MIMO	5510	Type1	24	102	1	518	1
11N40MIMO	5510	Type1	25	57	1	938	1
11N40MIMO	5510	Type1	26	58	1	918	1
11N40MIMO	5510	Type1	27	65	1	818	1
11N40MIMO	5510	Type1	28	70	1	758	1
11N40MIMO	5510	Type1	29	65	1	818	1
11N40MIMO	5510	Type2	0	24	1.2	167	1
11N40MIMO	5510	Type2	1	23	4.8	165	1
11N40MIMO	5510	Type2	2	29	2.7	177	1
11N40MIMO	5510	Type2	3	27	2.8	223	1
11N40MIMO	5510	Type2	4	28	2.2	174	1
11N40MIMO	5510	Type2	5	26	1.7	189	1
11N40MIMO	5510	Type2	6	27	3.1	187	1
11N40MIMO	5510	Type2	7	29	5	218	1
11N40MIMO	5510	Type2	8	29	3.7	216	1
11N40MIMO	5510	Type2	9	27	4.3	201	1
11N40MIMO	5510	Type2	10	26	3.6	210	1
11N40MIMO	5510	Type2	11	29	2.2	220	1

11N40MIMO	5510	Type2	12	26	2.1	207	1
11N40MIMO	5510	Type2	13	28	2.1	167	1
11N40MIMO	5510	Type2	14	24	4.6	219	1
11N40MIMO	5510	Type2	15	26	4.4	213	1
11N40MIMO	5510	Type2	16	25	4.8	195	1
11N40MIMO	5510	Type2	17	24	1.2	215	1
11N40MIMO	5510	Type2	18	28	4.2	178	1
11N40MIMO	5510	Type2	19	24	4.5	202	1
11N40MIMO	5510	Type2	20	23	2.5	171	1
11N40MIMO	5510	Type2	21	29	1.1	162	1
11N40MIMO	5510	Type2	22	27	2.9	208	0
11N40MIMO	5510	Type2	23	23	1.8	184	0
11N40MIMO	5510	Type2	24	27	4.1	203	1
11N40MIMO	5510	Type2	25	29	1.6	214	1
11N40MIMO	5510	Type2	26	26	2.7	169	1
11N40MIMO	5510	Type2	27	28	2.2	218	1
11N40MIMO	5510	Type2	28	25	3.1	174	1
11N40MIMO	5510	Type2	29	27	3.6	200	0
11N40MIMO	5510	Type3	0	18	8.1	395	1
11N40MIMO	5510	Type3	1	17	9	242	0
11N40MIMO	5510	Type3	2	17	6.9	213	1
11N40MIMO	5510	Type3	3	18	8.6	216	1
11N40MIMO	5510	Type3	4	17	9.5	278	1
11N40MIMO	5510	Type3	5	17	8	342	1
11N40MIMO	5510	Type3	6	17	7.7	435	1
11N40MIMO	5510	Type3	7	16	7.9	438	1
11N40MIMO	5510	Type3	8	18	6.9	255	1
11N40MIMO	5510	Type3	9	17	7.4	330	1
11N40MIMO	5510	Type3	10	17	9.4	475	1
11N40MIMO	5510	Type3	11	17	8.9	361	1
11N40MIMO	5510	Type3	12	17	8.7	452	1
11N40MIMO	5510	Type3	13	18	9	363	0
11N40MIMO	5510	Type3	14	17	6.3	221	1
11N40MIMO	5510	Type3	15	16	6	434	1
11N40MIMO	5510	Type3	16	18	8.2	324	1
11N40MIMO	5510	Type3	17	17	6.9	413	0
11N40MIMO	5510	Type3	18	17	9	448	1
11N40MIMO	5510	Type3	19	18	9.3	204	1
11N40MIMO	5510	Type3	20	16	10	477	1
11N40MIMO	5510	Type3	21	17	6.8	425	1
11N40MIMO	5510	Type3	22	18	6	400	0

11N40MIMO	5510	Type3	23	18	7.9	347	1
11N40MIMO	5510	Type3	24	17	8.5	251	1
11N40MIMO	5510	Type3	25	18	6.2	272	1
11N40MIMO	5510	Type3	26	16	8.2	493	1
11N40MIMO	5510	Type3	27	16	9.6	495	1
11N40MIMO	5510	Type3	28	17	9.8	318	1
11N40MIMO	5510	Type3	29	18	6.5	486	1
11N40MIMO	5510	Type4	0	14	15.2	318	1
11N40MIMO	5510	Type4	1	15	18.1	211	0
11N40MIMO	5510	Type4	2	13	11.8	301	1
11N40MIMO	5510	Type4	3	12	18.2	387	0
11N40MIMO	5510	Type4	4	15	19.3	439	0
11N40MIMO	5510	Type4	5	16	13.1	215	0
11N40MIMO	5510	Type4	6	15	17.2	321	1
11N40MIMO	5510	Type4	7	15	11.6	234	0
11N40MIMO	5510	Type4	8	13	13.3	457	1
11N40MIMO	5510	Type4	9	13	19.6	460	1
11N40MIMO	5510	Type4	10	13	16.3	297	0
11N40MIMO	5510	Type4	11	13	18.8	425	1
11N40MIMO	5510	Type4	12	16	18.9	405	0
11N40MIMO	5510	Type4	13	14	16.8	364	1
11N40MIMO	5510	Type4	14	13	13.2	495	1
11N40MIMO	5510	Type4	15	15	18.1	448	1
11N40MIMO	5510	Type4	16	14	16.6	473	1
11N40MIMO	5510	Type4	17	16	15.6	249	1
11N40MIMO	5510	Type4	18	13	16.2	222	1
11N40MIMO	5510	Type4	19	16	14.8	431	1
11N40MIMO	5510	Type4	20	15	12.5	489	1
11N40MIMO	5510	Type4	21	16	12.1	323	1
11N40MIMO	5510	Type4	22	16	13.9	256	0
11N40MIMO	5510	Type4	23	15	13	246	1
11N40MIMO	5510	Type4	24	13	15.9	409	1
11N40MIMO	5510	Type4	25	15	11.6	402	1
11N40MIMO	5510	Type4	26	14	12.8	220	1
11N40MIMO	5510	Type4	27	16	18.3	393	0
11N40MIMO	5510	Type4	28	15	17.3	500	1
11N40MIMO	5510	Type4	29	15	14	297	1
11AC80MIMO	5290	Type1	0	59	1	898	1
11AC80MIMO	5290	Type1	1	68	1	778	1
11AC80MIMO	5290	Type1	2	98	1	538	1
11AC80MIMO	5290	Type1	3	98	1	538	1

11AC80MIMO	5290	Type1	4	86	1	618	1
11AC80MIMO	5290	Type1	5	86	1	618	1
11AC80MIMO	5290	Type1	6	72	1	738	1
11AC80MIMO	5290	Type1	7	67	1	798	1
11AC80MIMO	5290	Type1	8	74	1	718	1
11AC80MIMO	5290	Type1	9	62	1	858	1
11AC80MIMO	5290	Type1	10	102	1	518	1
11AC80MIMO	5290	Type1	11	65	1	818	1
11AC80MIMO	5290	Type1	12	58	1	918	1
11AC80MIMO	5290	Type1	13	74	1	718	1
11AC80MIMO	5290	Type1	14	61	1	878	1
11AC80MIMO	5290	Type1	15	65	1	818	1
11AC80MIMO	5290	Type1	16	83	1	638	1
11AC80MIMO	5290	Type1	17	78	1	678	1
11AC80MIMO	5290	Type1	18	63	1	838	1
11AC80MIMO	5290	Type1	19	81	1	658	1
11AC80MIMO	5290	Type1	20	67	1	798	1
11AC80MIMO	5290	Type1	21	81	1	658	1
11AC80MIMO	5290	Type1	22	89	1	598	1
11AC80MIMO	5290	Type1	23	92	1	578	1
11AC80MIMO	5290	Type1	24	102	1	518	1
11AC80MIMO	5290	Type1	25	57	1	938	1
11AC80MIMO	5290	Type1	26	58	1	918	1
11AC80MIMO	5290	Type1	27	65	1	818	1
11AC80MIMO	5290	Type1	28	70	1	758	1
11AC80MIMO	5290	Type1	29	65	1	818	1
11AC80MIMO	5290	Type2	0	24	1.2	167	1
11AC80MIMO	5290	Type2	1	23	4.8	165	1
11AC80MIMO	5290	Type2	2	29	2.7	177	1
11AC80MIMO	5290	Type2	3	27	2.8	223	1
11AC80MIMO	5290	Type2	4	28	2.2	174	1
11AC80MIMO	5290	Type2	5	26	1.7	189	1
11AC80MIMO	5290	Type2	6	27	3.1	187	1
11AC80MIMO	5290	Type2	7	29	5	218	1
11AC80MIMO	5290	Type2	8	29	3.7	216	1
11AC80MIMO	5290	Type2	9	27	4.3	201	1
11AC80MIMO	5290	Type2	10	26	3.6	210	1
11AC80MIMO	5290	Type2	11	29	2.2	220	1
11AC80MIMO	5290	Type2	12	26	2.1	207	1
11AC80MIMO	5290	Type2	13	28	2.1	167	1
11AC80MIMO	5290	Type2	14	24	4.6	219	1

11AC80MIMO	5290	Type2	15	26	4.4	213	1
11AC80MIMO	5290	Type2	16	25	4.8	195	1
11AC80MIMO	5290	Type2	17	24	1.2	215	1
11AC80MIMO	5290	Type2	18	28	4.2	178	1
11AC80MIMO	5290	Type2	19	24	4.5	202	1
11AC80MIMO	5290	Type2	20	23	2.5	171	1
11AC80MIMO	5290	Type2	21	29	1.1	162	1
11AC80MIMO	5290	Type2	22	27	2.9	208	1
11AC80MIMO	5290	Type2	23	23	1.8	184	1
11AC80MIMO	5290	Type2	24	27	4.1	203	1
11AC80MIMO	5290	Type2	25	29	1.6	214	1
11AC80MIMO	5290	Type2	26	26	2.7	169	1
11AC80MIMO	5290	Type2	27	28	2.2	218	1
11AC80MIMO	5290	Type2	28	25	3.1	174	1
11AC80MIMO	5290	Type2	29	27	3.6	200	1
11AC80MIMO	5290	Type3	0	18	8.1	395	1
11AC80MIMO	5290	Type3	1	17	9	242	1
11AC80MIMO	5290	Type3	2	17	6.9	213	1
11AC80MIMO	5290	Type3	3	18	8.6	216	1
11AC80MIMO	5290	Type3	4	17	9.5	278	1
11AC80MIMO	5290	Type3	5	17	8	342	1
11AC80MIMO	5290	Type3	6	17	7.7	435	1
11AC80MIMO	5290	Type3	7	16	7.9	438	1
11AC80MIMO	5290	Type3	8	18	6.9	255	1
11AC80MIMO	5290	Type3	9	17	7.4	330	1
11AC80MIMO	5290	Type3	10	17	9.4	475	1
11AC80MIMO	5290	Type3	11	17	8.9	361	1
11AC80MIMO	5290	Type3	12	17	8.7	452	1
11AC80MIMO	5290	Type3	13	18	9	363	1
11AC80MIMO	5290	Type3	14	17	6.3	221	1
11AC80MIMO	5290	Type3	15	16	6	434	1
11AC80MIMO	5290	Type3	16	18	8.2	324	1
11AC80MIMO	5290	Type3	17	17	6.9	413	1
11AC80MIMO	5290	Type3	18	17	9	448	1
11AC80MIMO	5290	Type3	19	18	9.3	204	1
11AC80MIMO	5290	Type3	20	16	10	477	1
11AC80MIMO	5290	Type3	21	17	6.8	425	0
11AC80MIMO	5290	Type3	22	18	6	400	1
11AC80MIMO	5290	Type3	23	18	7.9	347	1
11AC80MIMO	5290	Type3	24	17	8.5	251	1
11AC80MIMO	5290	Type3	25	18	6.2	272	1

11AC80MIMO	5290	Type3	26	16	8.2	493	1
11AC80MIMO	5290	Type3	27	16	9.6	495	1
11AC80MIMO	5290	Type3	28	17	9.8	318	1
11AC80MIMO	5290	Type3	29	18	6.5	486	1
11AC80MIMO	5290	Type4	0	14	15.2	318	1
11AC80MIMO	5290	Type4	1	15	18.1	211	0
11AC80MIMO	5290	Type4	2	13	11.8	301	1
11AC80MIMO	5290	Type4	3	12	18.2	387	1
11AC80MIMO	5290	Type4	4	15	19.3	439	1
11AC80MIMO	5290	Type4	5	16	13.1	215	1
11AC80MIMO	5290	Type4	6	15	17.2	321	1
11AC80MIMO	5290	Type4	7	15	11.6	234	1
11AC80MIMO	5290	Type4	8	13	13.3	457	1
11AC80MIMO	5290	Type4	9	13	19.6	460	1
11AC80MIMO	5290	Type4	10	13	16.3	297	1
11AC80MIMO	5290	Type4	11	13	18.8	425	1
11AC80MIMO	5290	Type4	12	16	18.9	405	1
11AC80MIMO	5290	Type4	13	14	16.8	364	1
11AC80MIMO	5290	Type4	14	13	13.2	495	1
11AC80MIMO	5290	Type4	15	15	18.1	448	1
11AC80MIMO	5290	Type4	16	14	16.6	473	1
11AC80MIMO	5290	Type4	17	16	15.6	249	1
11AC80MIMO	5290	Type4	18	13	16.2	222	0
11AC80MIMO	5290	Type4	19	16	14.8	431	1
11AC80MIMO	5290	Type4	20	15	12.5	489	1
11AC80MIMO	5290	Type4	21	16	12.1	323	1
11AC80MIMO	5290	Type4	22	16	13.9	256	1
11AC80MIMO	5290	Type4	23	15	13	246	1
11AC80MIMO	5290	Type4	24	13	15.9	409	1
11AC80MIMO	5290	Type4	25	15	11.6	402	1
11AC80MIMO	5290	Type4	26	14	12.8	220	1
11AC80MIMO	5290	Type4	27	16	18.3	393	1
11AC80MIMO	5290	Type4	28	15	17.3	500	1
11AC80MIMO	5290	Type4	29	15	14	297	1
11AC80MIMO	5530	Type1	0	59	1	898	1
11AC80MIMO	5530	Type1	1	68	1	778	1
11AC80MIMO	5530	Type1	2	98	1	538	1
11AC80MIMO	5530	Type1	3	98	1	538	1
11AC80MIMO	5530	Type1	4	86	1	618	1
11AC80MIMO	5530	Type1	5	86	1	618	1
11AC80MIMO	5530	Type1	6	72	1	738	1

11AC80MIMO	5530	Type1	7	67	1	798	1
11AC80MIMO	5530	Type1	8	74	1	718	1
11AC80MIMO	5530	Type1	9	62	1	858	1
11AC80MIMO	5530	Type1	10	102	1	518	1
11AC80MIMO	5530	Type1	11	65	1	818	1
11AC80MIMO	5530	Type1	12	58	1	918	1
11AC80MIMO	5530	Type1	13	74	1	718	1
11AC80MIMO	5530	Type1	14	61	1	878	1
11AC80MIMO	5530	Type1	15	65	1	818	1
11AC80MIMO	5530	Type1	16	83	1	638	1
11AC80MIMO	5530	Type1	17	78	1	678	1
11AC80MIMO	5530	Type1	18	63	1	838	1
11AC80MIMO	5530	Type1	19	81	1	658	1
11AC80MIMO	5530	Type1	20	67	1	798	1
11AC80MIMO	5530	Type1	21	81	1	658	1
11AC80MIMO	5530	Type1	22	89	1	598	1
11AC80MIMO	5530	Type1	23	92	1	578	1
11AC80MIMO	5530	Type1	24	102	1	518	1
11AC80MIMO	5530	Type1	25	57	1	938	1
11AC80MIMO	5530	Type1	26	58	1	918	1
11AC80MIMO	5530	Type1	27	65	1	818	1
11AC80MIMO	5530	Type1	28	70	1	758	1
11AC80MIMO	5530	Type1	29	65	1	818	1
11AC80MIMO	5530	Type2	0	24	1.2	167	1
11AC80MIMO	5530	Type2	1	23	4.8	165	1
11AC80MIMO	5530	Type2	2	29	2.7	177	1
11AC80MIMO	5530	Type2	3	27	2.8	223	1
11AC80MIMO	5530	Type2	4	28	2.2	174	1
11AC80MIMO	5530	Type2	5	26	1.7	189	1
11AC80MIMO	5530	Type2	6	27	3.1	187	1
11AC80MIMO	5530	Type2	7	29	5	218	1
11AC80MIMO	5530	Type2	8	29	3.7	216	1
11AC80MIMO	5530	Type2	9	27	4.3	201	1
11AC80MIMO	5530	Type2	10	26	3.6	210	1
11AC80MIMO	5530	Type2	11	29	2.2	220	1
11AC80MIMO	5530	Type2	12	26	2.1	207	1
11AC80MIMO	5530	Type2	13	28	2.1	167	1
11AC80MIMO	5530	Type2	14	24	4.6	219	1
11AC80MIMO	5530	Type2	15	26	4.4	213	1
11AC80MIMO	5530	Type2	16	25	4.8	195	1
11AC80MIMO	5530	Type2	17	24	1.2	215	1

11AC80MIMO	5530	Type2	18	28	4.2	178	1
11AC80MIMO	5530	Type2	19	24	4.5	202	1
11AC80MIMO	5530	Type2	20	23	2.5	171	1
11AC80MIMO	5530	Type2	21	29	1.1	162	1
11AC80MIMO	5530	Type2	22	27	2.9	208	1
11AC80MIMO	5530	Type2	23	23	1.8	184	1
11AC80MIMO	5530	Type2	24	27	4.1	203	1
11AC80MIMO	5530	Type2	25	29	1.6	214	1
11AC80MIMO	5530	Type2	26	26	2.7	169	1
11AC80MIMO	5530	Type2	27	28	2.2	218	1
11AC80MIMO	5530	Type2	28	25	3.1	174	1
11AC80MIMO	5530	Type2	29	27	3.6	200	1
11AC80MIMO	5530	Type3	0	18	8.1	395	1
11AC80MIMO	5530	Type3	1	17	9	242	1
11AC80MIMO	5530	Type3	2	17	6.9	213	1
11AC80MIMO	5530	Type3	3	18	8.6	216	1
11AC80MIMO	5530	Type3	4	17	9.5	278	1
11AC80MIMO	5530	Type3	5	17	8	342	1
11AC80MIMO	5530	Type3	6	17	7.7	435	1
11AC80MIMO	5530	Type3	7	16	7.9	438	1
11AC80MIMO	5530	Type3	8	18	6.9	255	1
11AC80MIMO	5530	Type3	9	17	7.4	330	1
11AC80MIMO	5530	Type3	10	17	9.4	475	1
11AC80MIMO	5530	Type3	11	17	8.9	361	1
11AC80MIMO	5530	Type3	12	17	8.7	452	1
11AC80MIMO	5530	Type3	13	18	9	363	1
11AC80MIMO	5530	Type3	14	17	6.3	221	1
11AC80MIMO	5530	Type3	15	16	6	434	1
11AC80MIMO	5530	Type3	16	18	8.2	324	1
11AC80MIMO	5530	Type3	17	17	6.9	413	1
11AC80MIMO	5530	Type3	18	17	9	448	1
11AC80MIMO	5530	Type3	19	18	9.3	204	1
11AC80MIMO	5530	Type3	20	16	10	477	1
11AC80MIMO	5530	Type3	21	17	6.8	425	0
11AC80MIMO	5530	Type3	22	18	6	400	0
11AC80MIMO	5530	Type3	23	18	7.9	347	1
11AC80MIMO	5530	Type3	24	17	8.5	251	1
11AC80MIMO	5530	Type3	25	18	6.2	272	1
11AC80MIMO	5530	Type3	26	16	8.2	493	1
11AC80MIMO	5530	Type3	27	16	9.6	495	1
11AC80MIMO	5530	Type3	28	17	9.8	318	1

11AC80MIMO	5530	Type3	29	18	6.5	486	1
11AC80MIMO	5530	Type4	0	14	15.2	318	1
11AC80MIMO	5530	Type4	1	15	18.1	211	1
11AC80MIMO	5530	Type4	2	13	11.8	301	1
11AC80MIMO	5530	Type4	3	12	18.2	387	1
11AC80MIMO	5530	Type4	4	15	19.3	439	1
11AC80MIMO	5530	Type4	5	16	13.1	215	1
11AC80MIMO	5530	Type4	6	15	17.2	321	1
11AC80MIMO	5530	Type4	7	15	11.6	234	1
11AC80MIMO	5530	Type4	8	13	13.3	457	1
11AC80MIMO	5530	Type4	9	13	19.6	460	1
11AC80MIMO	5530	Type4	10	13	16.3	297	1
11AC80MIMO	5530	Type4	11	13	18.8	425	1
11AC80MIMO	5530	Type4	12	16	18.9	405	1
11AC80MIMO	5530	Type4	13	14	16.8	364	1
11AC80MIMO	5530	Type4	14	13	13.2	495	1
11AC80MIMO	5530	Type4	15	15	18.1	448	1
11AC80MIMO	5530	Type4	16	14	16.6	473	1
11AC80MIMO	5530	Type4	17	16	15.6	249	1
11AC80MIMO	5530	Type4	18	13	16.2	222	1
11AC80MIMO	5530	Type4	19	16	14.8	431	1
11AC80MIMO	5530	Type4	20	15	12.5	489	1
11AC80MIMO	5530	Type4	21	16	12.1	323	1
11AC80MIMO	5530	Type4	22	16	13.9	256	1
11AC80MIMO	5530	Type4	23	15	13	246	1
11AC80MIMO	5530	Type4	24	13	15.9	409	1
11AC80MIMO	5530	Type4	25	15	11.6	402	1
11AC80MIMO	5530	Type4	26	14	12.8	220	1
11AC80MIMO	5530	Type4	27	16	18.3	393	1
11AC80MIMO	5530	Type4	28	15	17.3	500	1
11AC80MIMO	5530	Type4	29	15	14	297	1

T5:

TestMode	Frequency[MHz]	Radar Type	Trial ID	Detection (1: Yes; 0: No)
11A-CDD	5260	Type5	0	1
11A-CDD	5260	Type5	1	1
11A-CDD	5260	Type5	2	1
11A-CDD	5260	Type5	3	1
11A-CDD	5260	Type5	4	1
11A-CDD	5260	Type5	5	1
11A-CDD	5260	Type5	6	1

11A-CDD	5260	Type5	7	1
11A-CDD	5260	Type5	8	1
11A-CDD	5260	Type5	9	1
11A-CDD	5260	Type5	10	1
11A-CDD	5260	Type5	11	1
11A-CDD	5260	Type5	12	0
11A-CDD	5260	Type5	13	1
11A-CDD	5260	Type5	14	1
11A-CDD	5260	Type5	15	1
11A-CDD	5260	Type5	16	1
11A-CDD	5260	Type5	17	1
11A-CDD	5260	Type5	18	1
11A-CDD	5260	Type5	19	1
11A-CDD	5260	Type5	20	1
11A-CDD	5260	Type5	21	1
11A-CDD	5260	Type5	22	1
11A-CDD	5260	Type5	23	1
11A-CDD	5260	Type5	24	1
11A-CDD	5260	Type5	25	1
11A-CDD	5260	Type5	26	1
11A-CDD	5260	Type5	27	1
11A-CDD	5260	Type5	28	1
11A-CDD	5260	Type5	29	1
11A-CDD	5500	Type5	0	1
11A-CDD	5500	Type5	1	1
11A-CDD	5500	Type5	2	1
11A-CDD	5500	Type5	3	1
11A-CDD	5500	Type5	4	1
11A-CDD	5500	Type5	5	1
11A-CDD	5500	Type5	6	1
11A-CDD	5500	Type5	7	1
11A-CDD	5500	Type5	8	1
11A-CDD	5500	Type5	9	1
11A-CDD	5500	Type5	10	1
11A-CDD	5500	Type5	11	1
11A-CDD	5500	Type5	12	1
11A-CDD	5500	Type5	13	1
11A-CDD	5500	Type5	14	1
11A-CDD	5500	Type5	15	1
11A-CDD	5500	Type5	16	1
11A-CDD	5500	Type5	17	1
11A-CDD	5500	Type5	18	1

11A-CDD	5500	Type5	19	1
11A-CDD	5500	Type5	20	1
11A-CDD	5500	Type5	21	1
11A-CDD	5500	Type5	22	1
11A-CDD	5500	Type5	23	1
11A-CDD	5500	Type5	24	1
11A-CDD	5500	Type5	25	1
11A-CDD	5500	Type5	26	1
11A-CDD	5500	Type5	27	1
11A-CDD	5500	Type5	28	1
11A-CDD	5500	Type5	29	1
11N40MIMO	5270	Type5	0	1
11N40MIMO	5270	Type5	1	1
11N40MIMO	5270	Type5	2	1
11N40MIMO	5270	Type5	3	1
11N40MIMO	5270	Type5	4	1
11N40MIMO	5270	Type5	5	1
11N40MIMO	5270	Type5	6	1
11N40MIMO	5270	Type5	7	1
11N40MIMO	5270	Type5	8	1
11N40MIMO	5270	Type5	9	1
11N40MIMO	5270	Type5	10	1
11N40MIMO	5270	Type5	11	1
11N40MIMO	5270	Type5	12	1
11N40MIMO	5270	Type5	13	1
11N40MIMO	5270	Type5	14	1
11N40MIMO	5270	Type5	15	1
11N40MIMO	5270	Type5	16	1
11N40MIMO	5270	Type5	17	1
11N40MIMO	5270	Type5	18	1
11N40MIMO	5270	Type5	19	1
11N40MIMO	5270	Type5	20	1
11N40MIMO	5270	Type5	21	1
11N40MIMO	5270	Type5	22	1
11N40MIMO	5270	Type5	23	1
11N40MIMO	5270	Type5	24	1
11N40MIMO	5270	Type5	25	1
11N40MIMO	5270	Type5	26	0
11N40MIMO	5270	Type5	27	1
11N40MIMO	5270	Type5	28	1
11N40MIMO	5270	Type5	29	1
11N40MIMO	5510	Type5	0	1

11N40MIMO	5510	Type5	1	1
11N40MIMO	5510	Type5	2	1
11N40MIMO	5510	Type5	3	1
11N40MIMO	5510	Type5	4	1
11N40MIMO	5510	Type5	5	1
11N40MIMO	5510	Type5	6	1
11N40MIMO	5510	Type5	7	1
11N40MIMO	5510	Type5	8	1
11N40MIMO	5510	Type5	9	1
11N40MIMO	5510	Type5	10	1
11N40MIMO	5510	Type5	11	1
11N40MIMO	5510	Type5	12	1
11N40MIMO	5510	Type5	13	1
11N40MIMO	5510	Type5	14	1
11N40MIMO	5510	Type5	15	1
11N40MIMO	5510	Type5	16	1
11N40MIMO	5510	Type5	17	1
11N40MIMO	5510	Type5	18	1
11N40MIMO	5510	Type5	19	1
11N40MIMO	5510	Type5	20	1
11N40MIMO	5510	Type5	21	1
11N40MIMO	5510	Type5	22	1
11N40MIMO	5510	Type5	23	1
11N40MIMO	5510	Type5	24	1
11N40MIMO	5510	Type5	25	1
11N40MIMO	5510	Type5	26	1
11N40MIMO	5510	Type5	27	1
11N40MIMO	5510	Type5	28	1
11N40MIMO	5510	Type5	29	1
11AC80MIMO	5290	Type5	0	1
11AC80MIMO	5290	Type5	1	1
11AC80MIMO	5290	Type5	2	1
11AC80MIMO	5290	Type5	3	1
11AC80MIMO	5290	Type5	4	1
11AC80MIMO	5290	Type5	5	1
11AC80MIMO	5290	Type5	6	1
11AC80MIMO	5290	Type5	7	1
11AC80MIMO	5290	Type5	8	1
11AC80MIMO	5290	Type5	9	1
11AC80MIMO	5290	Type5	10	1
11AC80MIMO	5290	Type5	11	1
11AC80MIMO	5290	Type5	12	1

11AC80MIMO	5290	Type5	13	1
11AC80MIMO	5290	Type5	14	1
11AC80MIMO	5290	Type5	15	1
11AC80MIMO	5290	Type5	16	1
11AC80MIMO	5290	Type5	17	1
11AC80MIMO	5290	Type5	18	1
11AC80MIMO	5290	Type5	19	1
11AC80MIMO	5290	Type5	20	1
11AC80MIMO	5290	Type5	21	1
11AC80MIMO	5290	Type5	22	1
11AC80MIMO	5290	Type5	23	1
11AC80MIMO	5290	Type5	24	1
11AC80MIMO	5290	Type5	25	1
11AC80MIMO	5290	Type5	26	1
11AC80MIMO	5290	Type5	27	1
11AC80MIMO	5290	Type5	28	1
11AC80MIMO	5290	Type5	29	1
11AC80MIMO	5530	Type5	0	1
11AC80MIMO	5530	Type5	1	1
11AC80MIMO	5530	Type5	2	1
11AC80MIMO	5530	Type5	3	1
11AC80MIMO	5530	Type5	4	1
11AC80MIMO	5530	Type5	5	1
11AC80MIMO	5530	Type5	6	1
11AC80MIMO	5530	Type5	7	1
11AC80MIMO	5530	Type5	8	1
11AC80MIMO	5530	Type5	9	1
11AC80MIMO	5530	Type5	10	1
11AC80MIMO	5530	Type5	11	1
11AC80MIMO	5530	Type5	12	1
11AC80MIMO	5530	Type5	13	1
11AC80MIMO	5530	Type5	14	1
11AC80MIMO	5530	Type5	15	1
11AC80MIMO	5530	Type5	16	1
11AC80MIMO	5530	Type5	17	1
11AC80MIMO	5530	Type5	18	1
11AC80MIMO	5530	Type5	19	1
11AC80MIMO	5530	Type5	20	1
11AC80MIMO	5530	Type5	21	1
11AC80MIMO	5530	Type5	22	1
11AC80MIMO	5530	Type5	23	1
11AC80MIMO	5530	Type5	24	1

11AC80MIMO	5530	Type5	25	1
11AC80MIMO	5530	Type5	26	1
11AC80MIMO	5530	Type5	27	1
11AC80MIMO	5530	Type5	28	1
11AC80MIMO	5530	Type5	29	1

Radar Type 5- Trial ID 1:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	61.8	15	1383		1096.35
2	2	81.3	15	1051		323.237
3	3	70	15	1185	1414	420.783
4	2	63.6	15	1349		119.65
5	3	78.6	15	1075	1615	826.707
6	2	68.4	15	1176		88.213
7	3	55.2	15	1667	1812	867.68
8	1	73.1	15			41.687
9	1	59.1	15			937.733

Radar Type 5- Trial ID 2:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	89.7	5	1697		550.698
2	3	74.5	5	1457	1655	416.65
3	1	92.5	5			480.76
4	3	92.2	5	1217	1365	156.73
5	1	87	5			849.05
6	2	91.7	5	1656		358.38
7	2	92.7	5	1076		42.62
8	3	91.9	5	1154	1016	709.57
9	1	70.3	5			873.18
10	1	57.7	5			673.13
11	2	80.2	5	1992		471.3
12	2	90.3	5	1623		848.9

Radar Type 5- Trial ID 3:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	60.9	20	1845		284.564
2	1	94.6	20			1060.501
3	3	68.3	20	1958	1199	304.782
4	2	87.2	20	1905		75.473

5	1	77.9	20			956.764
6	2	98.8	20	1052		41.465
7	1	71	20			376.355
8	1	50.3	20			486.066
9	1	64.3	20			178.037
10	2	82.5	20	1390		249.318
11	1	77.4	20			1079.909

Radar Type 5- Trial ID 4:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	85.4	12	1621	1745	626.142
2	2	56.1	12	1625		10.211
3	1	59.5	12			126.255
4	2	90.8	12	1404		67.223
5	1	96.2	12			660.591
6	1	72.3	12			386.588
7	1	69	12			228.776
8	3	51.1	12	1987	1189	512.164
9	2	99	12	1167		564.771
10	1	82.9	12			575.699
11	1	57.4	12			637.646
12	1	50.3	12			236.684
13	2	93.8	12	1433		216.472
14	2	71.5	12	1287		576.759
15	3	53.3	12	1765	1839	672.947
16	1	55.6	12			198.965
17	2	60.8	12	1704		692.082

Radar Type 5- Trial ID 5:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	84.1	7	1114		387.604
2	1	64.4	7			211.457
3	3	51.5	7	1960	1601	767.564
4	3	93.8	7	1779	1340	114.171
5	1	58.3	7			660.219
6	1	77.8	7			51.596
7	1	77.2	7			215.923
8	3	75.9	7	1270	1859	362.74
9	2	55.6	7	1266		666.527
10	2	54	7	1172		19.974
11	2	77	7	1159		309.431

12	2	61.9	7	1766		689.829
13	2	73.2	7	1229		397.986
14	1	95.7	7			89.743

Radar Type 5- Trial ID 6:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	81.6	9			137.719
2	2	74.6	9	1094		353.028
3	1	84	9			480.495
4	2	86.2	9	1644		160.023
5	2	82	9	1366		344.631
6	2	99	9	1871		179.888
7	1	63.7	9			378.366
8	3	87.8	9	1413	1440	89.904
9	2	82.4	9	1237		32.521
10	2	99.8	9	1759		522.799
11	3	65.6	9	1295	1114	364.016
12	3	99.9	9	1433	1006	376.124
13	2	82.5	9	1944		79.492
14	2	97.2	9	1317		79.389
15	2	56.3	9	1846		9.407
16	2	85	9	1565		202.465
17	2	74.6	9	1958		222.882

Radar Type 5- Trial ID 7:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	83.8	8	1213	1396	11.656
2	1	55.7	8			667.1
3	1	100	8			464.34
4	2	64.9	8	1678		157.18
5	2	52.5	8	1976		3.96
6	1	75.7	8			254.6
7	2	64	8	1599		709.69
8	2	57.7	8	1987		227.09
9	2	94.1	8	1370		695.19
10	2	61	8	1611		339.96
11	2	98.2	8	1078		438.03
12	2	58.2	8	1165		444.62
13	3	68.6	8	1862	1594	208.77
14	2	78.8	8	1550		635.5
15	1	90.2	8			373.7

16	1	96.9	8			650.6

Radar Type 5- Trial ID 8:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	70.5	15	1086	1980	734.414
2	1	80.3	15			100.603
3	2	98.3	15	1057		534.276
4	2	82.1	15	1345		258.829
5	3	89.2	15	1562	1451	512.762
6	3	86.2	15	1729	1658	527.695
7	2	90.8	15	1892		875.658
8	2	73.2	15	1087		362.422
9	2	99.6	15	1885		60.215
10	2	84.5	15	1847		167.478
11	3	76.7	15	1091	1106	397.891
12	3	58.7	15	1449	1305	753.154
13	2	78.7	15	1021		17.577

Radar Type 5- Trial ID 9:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	88.8	20			166.333
2	1	70	20			435.283
3	2	74.5	20	1237		638.307
4	2	95.5	20	1500		384.67
5	2	85.6	20	1037		505.263
6	2	64.5	20	1750		377.977
7	3	80.5	20	1075	1754	326.07
8	2	72.2	20	1883		37.473
9	1	88.4	20			638.977
10	1	81.4	20			490.04
11	1	84.2	20			229.923
12	3	95.4	20	1753	1511	614.617
13	2	60.3	20	1767		84.63
14	1	86	20			461.693
15	2	72.2	20	1487		376.097
16	3	60.5	20	1928	1940	600.9
17	3	86.2	20	1456	1059	183.033
18	1	75.9	20			182.067

Radar Type 5- Trial ID 10:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	73.1	10	1996		816.339
2	3	57.1	10	1269	1883	467.743
3	2	67.1	10	1906		125.086
4	2	88	10	1761		636.899
5	3	63.1	10	1124	1645	576.512
6	3	58.6	10	1010	1121	62.435
7	2	89.7	10	1784		133.688
8	1	68.2	10			558.542
9	1	52.2	10			437.165
10	2	97.9	10	1168		297.038
11	1	75	10			42.651
12	3	86.9	10	1660	1315	732.654
13	2	98.9	10	1522		379.777

Radar Type 5- Trial ID 11:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	63.6	14			497.413
2	1	88.5	14			64.149
3	1	58	14			44.41
4	2	78	14	1149		172.4
5	2	61.8	14	1444		25.91
6	1	69.4	14			31.83
7	1	62.2	14			96.06
8	3	88.1	14	1616	1352	188.41
9	2	84.2	14	1128		100.95
10	1	68.8	14			81.68
11	2	92.2	14	1278		159.83
12	3	57.7	14	1098	1925	358.29
13	3	58.5	14	1967	1363	263.12
14	2	82.6	14	1221		256.47
15	1	84.4	14			173.08
16	2	59.6	14	1655		516.9
17	2	92.4	14	1822		258.25
18	3	84.3	14	1965	1561	145.3
19	2	96.2	14	1253		408.1
20	1	65.5	14			99

Radar Type 5- Trial ID 12:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	95.8	18	1038	1243	25.878
2	3	51.5	18	1039	1394	780.257
3	2	82	18	1512		177.684
4	2	96.1	18	1094		400.191
5	2	97	18	1180		717.279
6	1	55.5	18			728.866
7	2	96.2	18	1155		281.323
8	1	76.4	18			490.07
9	1	67.5	18			320.007
10	3	63.6	18	1842	1552	477.044
11	2	62.3	18	1930		217.831
12	1	71.9	18			256.499
13	3	69.3	18	1262	1497	231.786
14	1	64.8	18			759.743

Radar Type 5- Trial ID 13:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	92.4	19	1659		252.143
2	2	78.7	19	1967		381.568
3	1	78.2	19			453.215
4	2	52	19	1011		205.053
5	3	97.9	19	1607	1582	457.391
6	2	82	19	1303		275.728
7	1	50.9	19			237.056
8	2	92.5	19	1247		209.424
9	2	86.3	19	1248		426.661
10	2	52.3	19	1058		578.349
11	1	61.4	19			292.136
12	3	64.3	19	1712	1831	298.914
13	2	73	19	1084		141.972
14	1	63.1	19			425.219
15	2	56.9	19	1125		216.447
16	2	77.8	19	1612		123.465
17	2	56.2	19	1742		203.882

Radar Type 5- Trial ID 14:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	95.5	10	1070		429.048
2	1	62.3	10			1154.64
3	3	66.8	10	1951	1793	1025.67
4	2	81.2	10	1466		1065.04
5	2	79.8	10	1100		561.19
6	2	69.8	10	1525		700.58
7	3	88	10	1662	1253	271.21
8	2	81.2	10	1983		724.92
9	2	53.1	10	1096		215.48
10	2	86.3	10	1033		561

Radar Type 5- Trial ID 15:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	95.8	18			695.33
2	2	68.5	18	1255		22.471
3	2	89.1	18	1563		356.372
4	3	97.8	18	1882	1248	628.563
5	3	93.8	18	1444	1553	487.184
6	3	89.7	18	1186	1472	514.925
7	2	82.6	18	1404		351.295
8	2	60.1	18	1158		36.266
9	2	64.5	18	1568		94.477
10	1	56.4	18			1034.918
11	2	63.8	18	1891		739.409

Radar Type 5- Trial ID 16:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	98.7	11	1246		89.004
2	1	88.3	11			90.18
3	2	61.1	11	1721		835.94
4	2	82.3	11	1348		113.61
5	2	65	11	1641		86.61
6	2	83.2	11	1551		362.25
7	3	63.5	11	1176	1301	453.38
8	2	85.2	11	1588		214.96
9	2	54.4	11	1492		379.26
10	2	98.4	11	1465		689.86

11	2	61	11	1212		574.2
12	2	88.4	11	1428		469

Radar Type 5- Trial ID 17:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	89.3	15	1712		204.443
2	2	50.8	15	1676		145.054
3	2	76.6	15	1222		448.82
4	2	59.8	15	1202		345.62
5	1	99.8	15			668.33
6	3	75.9	15	1143	1707	66.11
7	1	86.6	15			590.57
8	2	71.4	15	1360		763.18
9	2	95.1	15	1937		196.49
10	1	95.3	15			167.08
11	1	75.2	15			409.96
12	2	59.5	15	1195		190.23
13	1	54.5	15			304.02
14	2	53.6	15	1918		367.4
15	2	75.2	15	1685		500.7

Radar Type 5- Trial ID 18:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	86.2	16	1889		405.551
2	3	90.1	16	1285	1616	320.9
3	3	60.3	16	1768	1013	707.08
4	2	59.1	16	1186		221.27
5	1	85.4	16			515.21
6	2	83.8	16	1089		367.96
7	1	60.3	16			140.62
8	1	78.3	16			515.51
9	1	70.7	16			214.9
10	1	86	16			262.3
11	1	57.2	16			754.61
12	1	88	16			325.93
13	1	52.3	16			505.3
14	2	91.7	16	1097		377.2
15	2	72.1	16	1764		756.8

Radar Type 5- Trial ID 19:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	52.6	15			202.861
2	1	89	15			124.08
3	1	89.7	15			71.612
4	2	71.4	15	1514		214.923
5	1	70.3	15			538.624
6	2	78.8	15	1666		21.625
7	2	59.9	15	1374		94.296
8	2	68.2	15	1078		444.907
9	3	80.7	15	1159	1863	17.588
10	2	78.2	15	1785		13.299
11	2	57.8	15	1818		379.841
12	2	83.1	15	1933		568.742
13	2	60.6	15	1188		508.313
14	2	98	15	1718		433.914
15	2	92.2	15	1479		13.625
16	2	63	15	1740		431.836
17	2	68.6	15	1478		31.837
18	1	99.1	15			386.658
19	2	88.4	15	1309		253.079

Radar Type 5- Trial ID 20:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	93.4	7	1018		62.736
2	2	94	7	1773		507.54
3	1	79.9	7			605.78
4	1	53.3	7			275.63
5	1	81.1	7			450.96
6	2	79.3	7	1849		246.6
7	1	84	7			404.61
8	2	74	7	1651		34.67
9	1	52.4	7			260.29
10	2	79.7	7	1248		521.26
11	1	99	7			65
12	2	63.3	7	1561		698

Radar Type 5- Trial ID 21:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	90.3	12	1105		815.926
2	2	94.2	12	1867		891.63
3	3	89	12	1997	1580	732.72
4	1	70.9	12			677.41
5	3	50.4	12	1070	1885	1075.53
6	2	93.8	12	1800		815.47
7	2	58.3	12	1259		979.18
8	2	94.9	12	1468		841.82
9	3	99.7	12	1291	1008	295.62
10	2	84.5	12	1784		67.2

Radar Type 5- Trial ID 22:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	96.5	19	1185		556.688
2	2	59	19	1133		355.598
3	1	58.6	19			604.605
4	2	63.1	19	1092		337.253
5	2	91.2	19	1941		339.221
6	2	72.7	19	1052		617.808
7	1	86.5	19			462.036
8	3	53.8	19	1681	1527	610.724
9	2	68.5	19	1035		118.301
10	2	81.7	19	1384		256.259
11	3	66.9	19	1017	1606	359.886
12	2	78.1	19	1904		609.114
13	1	96.2	19			366.892
14	2	77.3	19	1618		623.979
15	2	74.8	19	1018		400.647
16	2	88.7	19	1588		295.165
17	2	80.8	19	1784		186.682

Radar Type 5- Trial ID 23:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	86.6	16	1477		183.838
2	2	75.3	16	1938		557.03
3	2	94.4	16	1475		252.48
4	2	88	16	1938		213.05

5	2	97.5	16	1410		268.02
6	2	92.6	16	1469		483.08
7	2	75.8	16	1685		37.71
8	2	62.8	16	1239		739.36
9	1	83.9	16			717.34
10	2	67.5	16	1743		194.1
11	2	53.8	16	1289		241.4
12	2	87.8	16	1184		309.2

Radar Type 5- Trial ID 24:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	72.6	6			552.399
2	2	76.5	6	1782		581.431
3	3	56.3	6	1145	1422	954.562
4	2	66.6	6	1386		17.773
5	2	85.2	6	1761		57.184
6	2	78.6	6	1112		783.185
7	3	97.4	6	1763	1389	77.375
8	3	54	6	1092	1638	292.786
9	2	98.3	6	1100		1083.847
10	1	79.5	6			804.718
11	1	78.5	6			109.509

Radar Type 5- Trial ID 25:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	53.5	14			788.815
2	2	87.8	14	1027		932.36
3	1	85.9	14			819.95
4	3	98.6	14	1262	1430	769.15
5	2	62.3	14	1727		913.04
6	2	50.4	14	1205		17.82
7	2	97.6	14	1428		415.37
8	1	92.1	14			718.65
9	2	76.8	14	1588		322.19
10	2	70.4	14	1148		926.62
11	2	68	14	1983		459.1
12	2	53.6	14	1839		582.5

Radar Type 5- Trial ID 26:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	64.1	20	1689	1868	847.819
2	1	54.7	20			214.17
3	3	64.3	20	1501	1270	75.6
4	1	96.5	20			866.56
5	1	92.3	20			38.76
6	3	99	20	1019	1749	134.1
7	2	60.1	20	1318		997.5
8	2	98.3	20	1916		202.02
9	2	61	20	1687		733.6
10	2	53.5	20	1137		536.6

Radar Type 5- Trial ID 27:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	68.6	17	1676	1129	964.141
2	1	76.5	17			942.55
3	3	66.5	17	1269	1073	672.47
4	3	92.5	17	1655	1457	450.09
5	3	80.4	17	1098	1049	404.68
6	2	65.4	17	1018		272.39
7	2	96.9	17	1537		227.92
8	2	79.2	17	1882		284.02
9	3	58.5	17	1346	1469	327.8
10	2	55.4	17	1865		935.69
11	2	55.9	17	1301		596.7
12	2	54.9	17	1303		153.3

Radar Type 5- Trial ID 28:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	95	5	1241		143.438
2	2	59.4	5	1802		107.431
3	2	50.4	5	1829		440.942
4	1	90.8	5			65.003
5	3	89.5	5	1214	1252	23.774
6	3	58.9	5	1927	1675	357.705
7	1	63	5			281.086
8	2	89.7	5	1734		444.307
9	2	52.7	5	1810		62.058

10	3	75	5	1297	1596	440.329
11	3	94.8	5	1210	1524	7.041
12	2	67.1	5	1130		612.702
13	3	82.7	5	1302	1843	555.163
14	2	74.4	5	1728		116.504
15	1	78.2	5			355.635
16	2	69.1	5	1644		565.416
17	2	96.3	5	1607		31.937
18	2	76.2	5	1015		589.458
19	2	55	5	1451		401.779

Radar Type 5- Trial ID 29:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	50.9	5	1459		393.403
2	2	98.4	5	1930		404.628
3	3	61.8	5	1720	1544	587.345
4	2	63.4	5	1776		569.333
5	2	98.7	5	1101		493.161
6	1	70.3	5			189.198
7	2	65.8	5	1600		518.816
8	1	75.6	5			219.274
9	2	98.6	5	1892		228.591
10	2	51.9	5	1442		385.329
11	1	99.5	5			50.256
12	1	82.5	5			261.514
13	2	76.5	5	1905		480.392
14	2	62	5	1253		529.299
15	2	72.8	5	1787		590.147
16	3	61.3	5	1680	1435	352.365
17	1	66.3	5			618.982

Radar Type 5- Trial ID 30:

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	71.6	17	1353		1310.33
2	2	85.8	17	1191		117.387
3	2	64.2	17	1140		1124.093
4	1	77.7	17			479.71
5	2	61.4	17	1366		390.017
6	2	70.6	17	1886		688.113
7	3	78.2	17	1937	1272	914.86
8	2	90.5	17	1363		666.337

9	2	78.1	17	1052		257.833

T6:

TestMode	Frequency[MHz]	Radar Type	Trial ID	Detection (1: Yes; 0: No)
11A-CDD	5260	Type6	0	1
11A-CDD	5260	Type6	1	1
11A-CDD	5260	Type6	2	1
11A-CDD	5260	Type6	3	1
11A-CDD	5260	Type6	4	1
11A-CDD	5260	Type6	5	1
11A-CDD	5260	Type6	6	1
11A-CDD	5260	Type6	7	1
11A-CDD	5260	Type6	8	1
11A-CDD	5260	Type6	9	1
11A-CDD	5260	Type6	10	1
11A-CDD	5260	Type6	11	1
11A-CDD	5260	Type6	12	1
11A-CDD	5260	Type6	13	1
11A-CDD	5260	Type6	14	1
11A-CDD	5260	Type6	15	1
11A-CDD	5260	Type6	16	1
11A-CDD	5260	Type6	17	0
11A-CDD	5260	Type6	18	0
11A-CDD	5260	Type6	19	1
11A-CDD	5260	Type6	20	1
11A-CDD	5260	Type6	21	1
11A-CDD	5260	Type6	22	1
11A-CDD	5260	Type6	23	1
11A-CDD	5260	Type6	24	1
11A-CDD	5260	Type6	25	1
11A-CDD	5260	Type6	26	1
11A-CDD	5260	Type6	27	1
11A-CDD	5260	Type6	28	1
11A-CDD	5260	Type6	29	1
11A-CDD	5500	Type6	0	1
11A-CDD	5500	Type6	1	1
11A-CDD	5500	Type6	2	1
11A-CDD	5500	Type6	3	1
11A-CDD	5500	Type6	4	1
11A-CDD	5500	Type6	5	1
11A-CDD	5500	Type6	6	1
11A-CDD	5500	Type6	7	1

11A-CDD	5500	Type6	8	1
11A-CDD	5500	Type6	9	1
11A-CDD	5500	Type6	10	1
11A-CDD	5500	Type6	11	1
11A-CDD	5500	Type6	12	1
11A-CDD	5500	Type6	13	1
11A-CDD	5500	Type6	14	1
11A-CDD	5500	Type6	15	1
11A-CDD	5500	Type6	16	1
11A-CDD	5500	Type6	17	1
11A-CDD	5500	Type6	18	1
11A-CDD	5500	Type6	19	1
11A-CDD	5500	Type6	20	1
11A-CDD	5500	Type6	21	1
11A-CDD	5500	Type6	22	1
11A-CDD	5500	Type6	23	1
11A-CDD	5500	Type6	24	1
11A-CDD	5500	Type6	25	1
11A-CDD	5500	Type6	26	1
11A-CDD	5500	Type6	27	1
11A-CDD	5500	Type6	28	1
11A-CDD	5500	Type6	29	1
11N40MIMO	5270	Type6	0	1
11N40MIMO	5270	Type6	1	1
11N40MIMO	5270	Type6	2	1
11N40MIMO	5270	Type6	3	1
11N40MIMO	5270	Type6	4	1
11N40MIMO	5270	Type6	5	1
11N40MIMO	5270	Type6	6	1
11N40MIMO	5270	Type6	7	1
11N40MIMO	5270	Type6	8	1
11N40MIMO	5270	Type6	9	1
11N40MIMO	5270	Type6	10	1
11N40MIMO	5270	Type6	11	1
11N40MIMO	5270	Type6	12	1
11N40MIMO	5270	Type6	13	1
11N40MIMO	5270	Type6	14	1
11N40MIMO	5270	Type6	15	1
11N40MIMO	5270	Type6	16	1
11N40MIMO	5270	Type6	17	1
11N40MIMO	5270	Type6	18	1
11N40MIMO	5270	Type6	19	1

11N40MIMO	5270	Type6	20	1
11N40MIMO	5270	Type6	21	1
11N40MIMO	5270	Type6	22	1
11N40MIMO	5270	Type6	23	1
11N40MIMO	5270	Type6	24	1
11N40MIMO	5270	Type6	25	1
11N40MIMO	5270	Type6	26	1
11N40MIMO	5270	Type6	27	1
11N40MIMO	5270	Type6	28	1
11N40MIMO	5270	Type6	29	1
11N40MIMO	5510	Type6	0	1
11N40MIMO	5510	Type6	1	0
11N40MIMO	5510	Type6	2	1
11N40MIMO	5510	Type6	3	1
11N40MIMO	5510	Type6	4	1
11N40MIMO	5510	Type6	5	1
11N40MIMO	5510	Type6	6	1
11N40MIMO	5510	Type6	7	1
11N40MIMO	5510	Type6	8	1
11N40MIMO	5510	Type6	9	1
11N40MIMO	5510	Type6	10	0
11N40MIMO	5510	Type6	11	1
11N40MIMO	5510	Type6	12	1
11N40MIMO	5510	Type6	13	1
11N40MIMO	5510	Type6	14	1
11N40MIMO	5510	Type6	15	1
11N40MIMO	5510	Type6	16	1
11N40MIMO	5510	Type6	17	1
11N40MIMO	5510	Type6	18	1
11N40MIMO	5510	Type6	19	1
11N40MIMO	5510	Type6	20	1
11N40MIMO	5510	Type6	21	1
11N40MIMO	5510	Type6	22	1
11N40MIMO	5510	Type6	23	1
11N40MIMO	5510	Type6	24	1
11N40MIMO	5510	Type6	25	1
11N40MIMO	5510	Type6	26	0
11N40MIMO	5510	Type6	27	1
11N40MIMO	5510	Type6	28	1
11N40MIMO	5510	Type6	29	1
11AC80MIMO	5290	Type6	0	1
11AC80MIMO	5290	Type6	1	1

11AC80MIMO	5290	Type6	2	1
11AC80MIMO	5290	Type6	3	1
11AC80MIMO	5290	Type6	4	1
11AC80MIMO	5290	Type6	5	1
11AC80MIMO	5290	Type6	6	1
11AC80MIMO	5290	Type6	7	1
11AC80MIMO	5290	Type6	8	1
11AC80MIMO	5290	Type6	9	1
11AC80MIMO	5290	Type6	10	1
11AC80MIMO	5290	Type6	11	1
11AC80MIMO	5290	Type6	12	1
11AC80MIMO	5290	Type6	13	1
11AC80MIMO	5290	Type6	14	1
11AC80MIMO	5290	Type6	15	1
11AC80MIMO	5290	Type6	16	1
11AC80MIMO	5290	Type6	17	1
11AC80MIMO	5290	Type6	18	1
11AC80MIMO	5290	Type6	19	1
11AC80MIMO	5290	Type6	20	1
11AC80MIMO	5290	Type6	21	1
11AC80MIMO	5290	Type6	22	1
11AC80MIMO	5290	Type6	23	1
11AC80MIMO	5290	Type6	24	1
11AC80MIMO	5290	Type6	25	1
11AC80MIMO	5290	Type6	26	1
11AC80MIMO	5290	Type6	27	1
11AC80MIMO	5290	Type6	28	1
11AC80MIMO	5290	Type6	29	1
11AC80MIMO	5530	Type6	0	1
11AC80MIMO	5530	Type6	1	1
11AC80MIMO	5530	Type6	2	1
11AC80MIMO	5530	Type6	3	1
11AC80MIMO	5530	Type6	4	1
11AC80MIMO	5530	Type6	5	1
11AC80MIMO	5530	Type6	6	1
11AC80MIMO	5530	Type6	7	1
11AC80MIMO	5530	Type6	8	1
11AC80MIMO	5530	Type6	9	1
11AC80MIMO	5530	Type6	10	1
11AC80MIMO	5530	Type6	11	1
11AC80MIMO	5530	Type6	12	1
11AC80MIMO	5530	Type6	13	1

11AC80MIMO	5530	Type6	14	1
11AC80MIMO	5530	Type6	15	1
11AC80MIMO	5530	Type6	16	1
11AC80MIMO	5530	Type6	17	1
11AC80MIMO	5530	Type6	18	1
11AC80MIMO	5530	Type6	19	1
11AC80MIMO	5530	Type6	20	1
11AC80MIMO	5530	Type6	21	1
11AC80MIMO	5530	Type6	22	1
11AC80MIMO	5530	Type6	23	1
11AC80MIMO	5530	Type6	24	1
11AC80MIMO	5530	Type6	25	1
11AC80MIMO	5530	Type6	26	1
11AC80MIMO	5530	Type6	27	1
11AC80MIMO	5530	Type6	28	1
11AC80MIMO	5530	Type6	29	1

Annex A: Revised History

Version	Revised Content
V00	Initial
V01	Update Section 1.4

Annex B: Accreditation Certificate

Accredited Laboratory

A2LA has accredited

INDUSTRIAL INTERNET INNOVATION CENTER (SHANGHAI) CO., LTD.

Shanghai, People's Republic of China

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 20th day of September 2023.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3682.01
Valid to February 28, 2025

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

END OF REPORT