



TEST REPORT

FCC ID: 2AATL-6252C-PUB

Product : Wi-Fi/BT module
Model Name : 6252C-PUB
Brand :  欧智通
Report No. : NCT26016496XE1-4

Prepared for

FN-LINK TECHNOLOGY LIMITED

No.8, Litong Road, Liuyang Economic & Technical Development Zone, Changsha,
Hunan, CHINA

Prepared by

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TEL: 400-8868-419

1 TEST RESULT CERTIFICATION

Applicant's name : FN-LINK TECHNOLOGY LIMITED

Address : No.8, Litong Road, Liuyang Economic & Technical Development Zone,
Changsha, Hunan, CHINA

Manufacture's name : FN-LINK TECHNOLOGY LIMITED

Address : No.8, Litong Road, Liuyang Economic & Technical Development Zone,
Changsha, Hunan, CHINA

Product name : Wi-Fi/BT module

Model name : 6252C-PUB

Standards : FCC CFR Title 47 Part 15 Subpart C Section 15.407
ANSI C63.10-2020
KDB 789033 D02 v02r01

Test procedure : ANSI C63.10-2020

Test Date : January 30, 2026 – May 7 2026

Date of Issue : June 5 2026

Test Result : Pass

This device described above has been tested by NCT, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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2 Test Summary

FCC Part15 (15.407) , Subpart E			
Standard Section	Test Item	Judgment	Remark
Part 15.203	Antenna requirement	Pass	
47 CFR Part 15.207(a)	Conducted Emission at AC power line	PASS	
47 CFR Part 15.407(e)	Radiated Emissions	PASS	
47 CFR Part 15.407(b)	Band edge emissions	Pass	
47 CFR Part 15.407(h)	Dynamic Frequency Selection (Slave)	Pass	

Remark:

1. "N/A" denotes test is not applicable in this Test Report.
2. This change only involved a modification to the antenna; all other parts remained unchanged. Therefore, tests specifically related to the antenna section are necessary. Due to the change in the power supply computer, the Conducted Emission test items need to be retested.

DFS Section

UNII	Bandwidth and Channel	Description	Measured	Limit	Result
U-NII-2A 5250-5350MHz	40MHz (CH62) 5310MHz	Channel Move Time	1.4 sec	10 sec	Pass
		Channel Closing Transmission time	<200ms +3.6 ms (aggregate)	200 ms + aggregate of 60 ms over remaining 10 s period	Pass
		Non-Occupancy Period and Client Beacon Test	No transmission or Beacons occurred	30 minutes	Pass
U-NII-2C 5470-5600MHz 5650-5725MHz	40MHz (CH102) 5510MHz	Channel Move Time	1.4 sec	10 sec	Pass
		Channel Closing Transmission time	<200ms +3.6 ms (aggregate)	200 ms + aggregate of 60 ms over remaining 10 s period	Pass
		Non-Occupancy Period and Client Beacon Test	No transmission or Beacons occurred	30 minutes	Pass

Note: 1. since the product is client without radar detection function, only Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period Test are required to be performed.

2. The conclusion of this test report is judged by actual test data without considering measurement uncertainty.

3 TEST FACILITY

Site Description

EMC Lab. : Accredited by CNAS, 2022-09-27

The certificate is valid until 2028.01.07

The Laboratory has been assessed and proved to be in compliance with
CNAS-CL01:2006 (identical to ISO/IEC 17025:2017)

The Certificate Registration Number is L8251

Designation Number: CN1347

Test Firm Registration Number: 894804

Accredited by A2LA, June 14, 2023

The Certificate Registration Number is 6837.01

Accredited by Industry Canada, November 09, 2018

The Conformity Assessment Body Identifier is CN0150

Company Number: 30806

Name of Firm : Shenzhen NCT Testing Technology Co., Ltd.

Site Location : A101,B2,Fuqiao 6th Area ,xintian Community,Fuhai Street,Baoan
District,Shenzhen,China

4 General Information

4.1 General Description of E.U.T.

Product Name:	Wi-Fi/BT module
Model No.:	6252C-PUB
HVIN:	6252C-PUB
Sample ID	Engineer sample
Operation Frequency Range:	U-NII Band 1: 5.18~5.24 GHz U-NII Band 2A: 5.26~5.32 GHz U-NII Band 2C: 5.50~5.70 GHz U-NII Band 3: 5.745~5.825 GHz
Frequency Block	U-NII Band 1: 5.15~5.25 GHz U-NII Band 2A: 5.25~5.35 GHz U-NII Band 2C: 5.47~5.725 GHz U-NII Band 3: 5.725~5.85 GHz
Modulation type:	OFDM with BPSK/QPSK/16QAM/64QAM for 802.11a/n OFDM with BPSK/QPSK/16QAM/64QAM/256QAM for 802.11ac OFDMA with BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM for 802.11ax
Antenna Type:	FPC Antenna
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80MHz 802.11ax: 20 MHz, 40 MHz, 80MHz
TPC:	☒ Supported ☐ Unsupported
Channel Puncturing Function:	☐ Supported ☒ Unsupported
Support RU:	☒ Full RU ☐ Partial RU
Antenna gain:	FPC Antenna 1, max gain 4.25dBi, FPC Antenna 2, max gain 4.48dBi. The antenna MIMO combining gain is 7.38dBi.
Power supply	DC 3.3V from USB adapter board
Adapter	N/A
Hardware Version:	V3.0
Software Version:	V1.19
Remark:	the Antenna gain is provided by customer from Antenna spec. and the laboratory will not be responsible for the accumulated calculation results which covers the information provided by the applicant.

☒ Wifi 5G with U-NII - 1

Frequency and Channel list for 802.11a/n (HT20)/802.11ac (VHT20)/802.11ax(H20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220		
40	5200	48	5240		

Frequency and Channel list for 802.11n (HT40)/ 802.11ac (VHT40)/802.11ax(HE40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190				
46	5230				

Test Frequency and Channel for 802.11a/n (HT20)/802.11ac (VHT20)/802.11ax(HE20):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	40	5200	48	5240

Test Frequency and channel for 802.11n (HT40)/ 802.11ac (VHT40)/802.11ax(HE40):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	N/A	N/A	46	5230

☒ Wifi 5G with U-NII -2A

Frequency and Channel list for 802.11a/n (HT20)/802.11ac (VHT20)/802.11ax(HE20):

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

Frequency and Channel list for 802.11n (HT40)/ 802.11ac (VHT40)/802.11ax(HE40):

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

Test Frequency and Channel for 802.11a/n (HT20)/802.11ac (VHT20)/802.11ax(HE20):

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

Test Frequency and channel for 802.11n (HT40)/ 802.11ac (VHT40)/802.11ax(HE40):

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

☒ Wifi 5G with U-NII -2C

Frequency and Channel list for 802.11a/n (HT20)/802.11ac (VHT20)/802.11ax(HE20):

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

Frequency and Channel list for 802.11n (HT40)/ 802.11ac (VHT40)/802.11ax(HE40):

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

Test Frequency and Channel for 802.11a/n (HT20)/802.11ac (VHT20)/802.11ax(HE20):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	120	5600	140	5700

Test Frequency and channel for 802.11n (HT40)/ 802.11ac (VHT40)/802.11ax(HE40):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
102	5510	118	5590	134	5670

☒ Wifi 5G with U-NII -3

Frequency and Channel list for 802.11a/n (HT20)/802.11ac (VHT20)/802.11ax(HE20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	157	5785	165	5825
153	5765	161	5805		

Frequency and Channel list for 802.11n (HT40)/ 802.11ac (VHT40)/802.11ax(HE80):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
151	5755				
159	5795				

Test Frequency and Channel for 802.11a/n (HT20)/802.11ac (VHT20)/802.11ax(HE20):

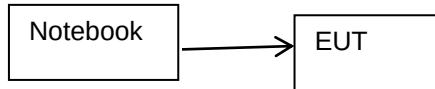
Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	157	5785	165	5825

Test Frequency and channel for 802.11n (HT40)/ 802.11ac (VHT40)/802.11ax(HE40):

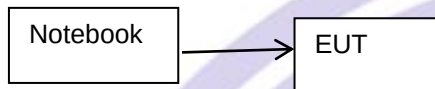
Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
151	5755	N/A	N/A	159	5795

4.2 Test Setup Configuration

Radiated Emission



Conducted Emission



Radiated Spurious



Conducted Spurious



4.3 Test Mode

Transmitting mode	Keep the EUT in continuously transmitting mode.
Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.	

Test Software	SecureCRT.exe
Power level setup	select test channel, wireless mode, the power level of the test is set to default.

5 Equipment During Test

5.1 Equipments List

Conducted emission Test Equipment

Name	Model No.	Serial No.	Manufacturer	Date of Cal.	Due Date
944 Shielded Room	944 Room	/	EMToni	2025/1/17	2028/1/16
EMI Test Receiver	ESPI	101604	Rohde & Schwarz	2025/6/10	2026/6/09
LISN	ENV 216	102796	Rohde & Schwarz	2025/6/10	2026/6/09
LISN	VN1-13S	004023	CRANAGE	2025/6/10	2026/6/09
Cable	RG223-1500MM	NA	RG	2025/6/10	2026/6/09

Radiated emission & Radio Frequency Test Equipment

Name	Model No.	Serial No.	Manufacturer	Date of Cal.	Due Date
Bilog Antenna (30MHz-1GHz)	VULB9162	00473	SCHWARZBECK	2025/3/08	2026/3/07
Horn antenna (1GHz-18GHz)	BBHA 9120 D	02622	SCHWARZBECK	2025/3/10	2026/3/09

Name	Model No.	Serial No.	Manufacturer	Date of Cal.	Due Date
966 Shielded Room	966 Room	/	EMToni	2025/1/17	2028/1/16
EMI Test Receiver	ESCI	101178	Rohde & Schwarz	2025/6/10	2026/6/09
Spectrum Analyze (10Hz-26.5GHz)	N9020A	MY50510202	Agilent	2025/6/10	2026/6/09
Amplifi (30MHz-1GHz)	BBV 9743 B	00374	SCHWARZBECK	2025/6/10	2026/6/09
Bilog Antenna (30MHz-1GHz)	VULB9162	00473	SCHWARZBECK	2026/3/07	2027/3/06
Horn antenna (1GHz-18GHz)	BBHA 9120 D	02622	SCHWARZBECK	2026/3/07	2027/3/06
Pream plifier (1GHz-18GHz)	BBV 9718D	00042	SCHWARZBECK	2025/6/10	2026/6/09
Spectrum Analyze (1GHz-40GHz)	FSV 40	100952	Rohde & Schwarz	2025/6/10	2026/6/09
Pream plifier (15GHz-40GHz)	BBV 9721	0056	SCHWARZBECK	2025/6/10	2026/6/09
Broadband Antenna (15GHz-40GHz)	SAS-574	588	A.H.System	2025/6/10	2026/6/09
Loop Antenna (9KHz-30MHz)	FMZB1519B	014	SCHWARZBECK	2025/6/13	2026/6/12

Capacitive voltage probe	CVP 9222 C	00109	SCHWARZBECK	2025/6/10	2026/6/09
MXG Signal Analyzer	N9020A	MY50510202	Agilent	2025/6/10	2026/6/09
MXG Vector Signal Generator	N5182A	MY50140020	Agilent	2025/6/10	2026/6/09
MXG Analog Signal Generator	N5181A	MY47420919	Agilent	2025/6/10	2026/6/09
Power Meter	ML2485A	319502	Aritsu	2025/6/10	2026/6/09
Power Sensor	TR1029-2	512364	Techoy	2025/6/10	2026/6/09
RF Swith	TR1029-1	512364	Techoy	2025/6/10	2026/6/09
Cable	DA800-4000MM	NA	DA	2025/6/10	2026/6/09
Cable	DA800-11000MM	NA	DA	2025/6/10	2026/6/09
High Pass Filter	HXHPF-3G-S	202507220001	Iuanwei	2025/6/10	2026/6/09
Attenuator	SN-SMA-10	N/A	SNIT	2025/6/10	2026/6/09
Attenuator	eastsheep	90db	N/A	2025/6/10	2026/6/09

Item	Name	Manufacturer	Model	Software version
1	EMC Conduction Test System	FALA	EZ-EMC	Ver.EMC-CON 3A1.1+
2	EMC radiation test system	FALA	EZ-EMC	Ver.FA-03A2 RE+
3	RF test system	TACHOY	RFTest	V1.0.0
4	RF communication test system	TACHOY	RFTest	V1.0.0

5.2 Measurement Uncertainty

Parameter	Uncertainty
RF output power, conducted	±1.0dB
Power Spectral Density, conducted	±2.2dB
Radio Frequency	± 1 × 10 ⁻⁶
Bandwidth	± 1.5 × 10 ⁻⁶
Time	±2%
Duty Cycle	±2%
Temperature	±1°C
Humidity	±5%
DC and low frequency voltages	±3%
Conducted Emissions (150kHz~30MHz)	±3.24dB
Radiated Emission(9KHz~30MHz)	±4.51dB
Radiated Emission(30MHz~1GHz)	±5.03dB
Radiated Emission(1GHz~25GHz)	±4.74dB
Radiated Emission(25GHz~40GHz)	±3.38dB
DFS Threshold (radiated)	±1.50dB
DFS Threshold (conducted)	±1.45dB
Remark: The coverage Factor (k=2), and measurement Uncertainty for a level of Confidence of 95%	

5.3 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Wi-Fi/BT module	N/A	6252C-PUB	N/A	EUT
E-2	Notebook	Thinkpad	E14	N/A	N/A
E-3	Router AX1500	Xiaomi	RD12	FCC ID: 2AIMRRD12	Auxiliary

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.

6 Conducted Emission

Test Requirement: : FCC CFR 47 Part 15 Section 15.207
Test Method: : ANSI C63.10-2020
Test Result: : PASS
Frequency Range: : 150kHz to 30MHz
Class/Severity: : Class B
Detector: : Peak for pre-scan (9kHz Resolution Bandwidth)

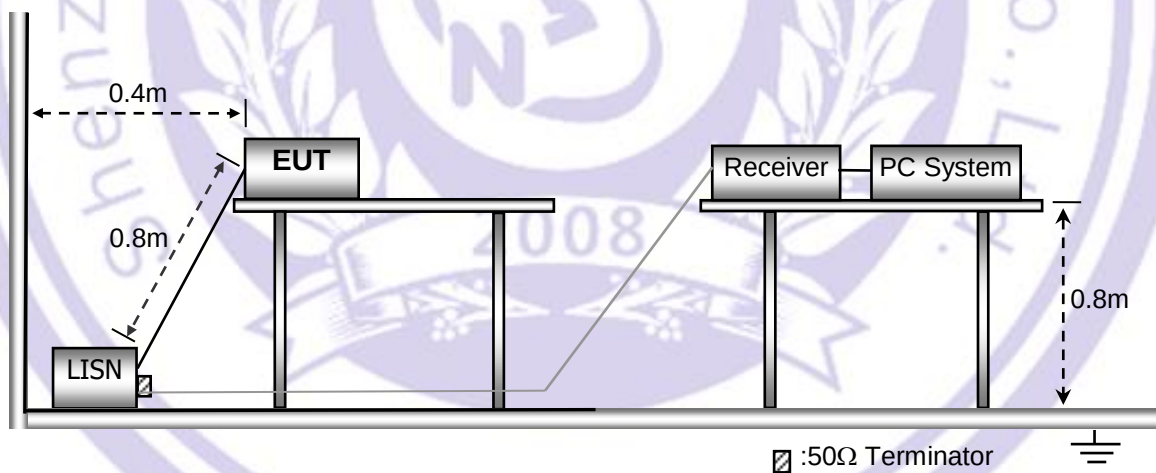
6.1 E.U.T. Operation

Operating Environment :

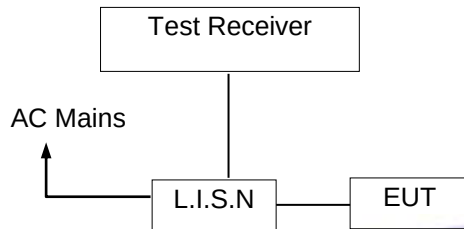
Temperature: : 23.2°C
Humidity: : 51 % RH
Atmospheric Pressure: : 101.2 kPa
Test Voltage : : AC 120V/60Hz

6.2 EUT Setup

The conducted emission tests were performed using the setup accordance with the ANSI C63.10-2020



6.3 Test SET-UP (Block Diagram of Configuration)



6.4 Measurement Procedure:

1. The EUT was placed on a table, which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all frequency measured was complete.

6.5 Conducted Emission Limit

Conducted Emission

Frequency(MHz)	Quasi-peak	Average
0.15-0.5	66-56	56-46
0.5-5.0	56	46
5.0-30.0	60	50

Note:

1. The lower limit shall apply at the transition frequencies
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

6.6 Measurement Description

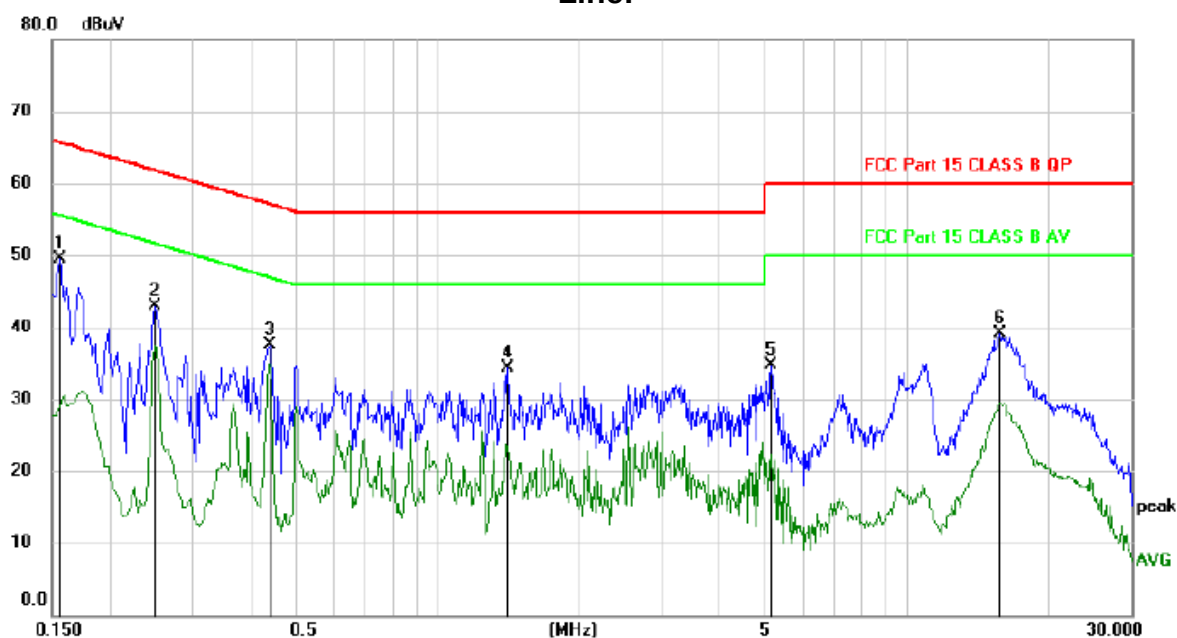
The maximised peak emissions from the EUT was scanned and measured for both the Live and Neutral Lines.

Quasi-peak & average measurements were performed if peak emissions were within 6dB of the average limit line.

6.7 Conducted Emission Test Result

All the modes have been tested, and only the data of the worst mode 802.11a 5180MHz.

Line:



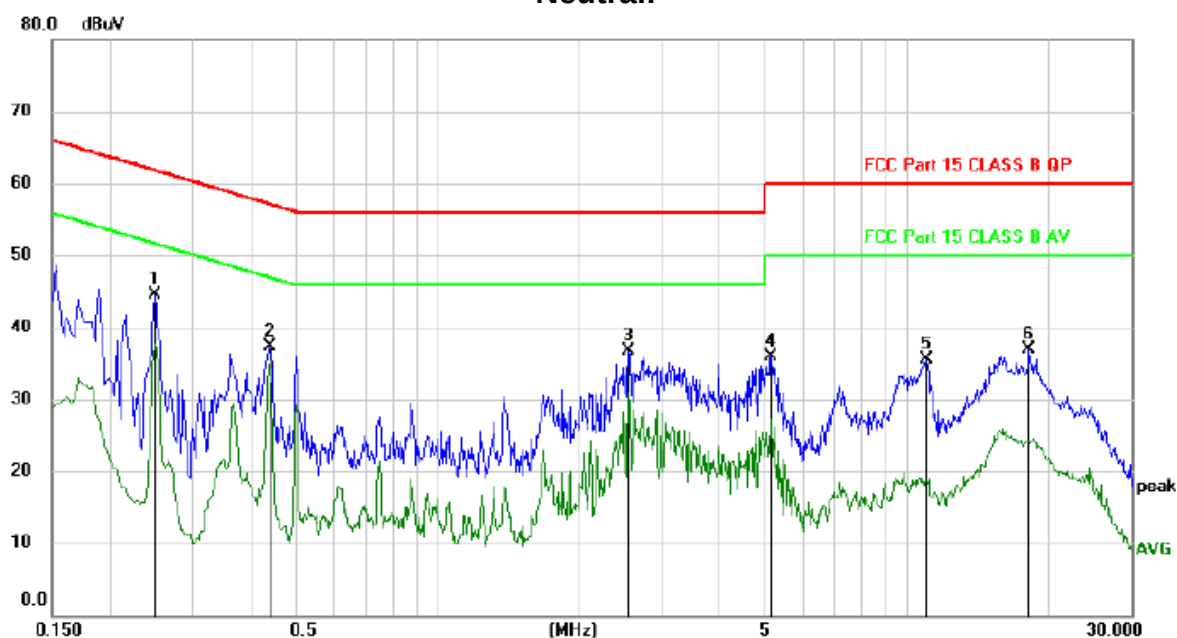
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1560	39.63	9.94	49.57	65.67	-16.10	peak	
2		0.2490	32.86	9.97	42.83	61.79	-18.96	peak	
3		0.4380	27.58	9.95	37.53	57.10	-19.57	peak	
4		1.4070	24.44	9.90	34.34	56.00	-21.66	peak	
5		5.1120	24.58	10.04	34.62	60.00	-25.38	peak	
6		15.7380	28.82	10.35	39.17	60.00	-20.83	peak	

*:Maximum data x:Over limit !:over margin

(Reference Only)

Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

Neutral:



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.2490	34.47	9.97	44.44	61.79	-17.35	peak	
2		0.4380	27.26	9.95	37.21	57.10	-19.89	peak	
3		2.5530	26.79	9.91	36.70	56.00	-19.30	peak	
4		5.1120	25.92	10.04	35.96	60.00	-24.04	peak	
5		10.9920	25.22	10.23	35.45	60.00	-24.55	peak	
6		18.1470	26.45	10.42	36.87	60.00	-23.13	peak	

*:Maximum data x:Over limit !:over margin

(Reference Only)

Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

7 Radiated Spurious Emissions

Test Requirement : FCC CFR47 Part 15 Section 15.209 & 15.407
 Test Method : ANSI C63.10-2020
 Test Result : PASS
 Measurement Distance : 3m
 Limit : See the follow table

Frequency (MHz)	Field Strength		Field Strength Limit at 3m Measurement Dist	
	uV/m	Distance (m)	uV/m	dBuV/m
0.009 ~ 0.490	2400/F(kHz)	300	10000 * 2400/F(kHz)	$20\log^{(2400/F(kHz))} + 80$
0.490 ~ 1.705	24000/F(kHz)	30	100 * 24000/F(kHz)	$20\log^{(24000/F(kHz))} + 40$
1.705 ~ 30	30	30	100 * 30	$20\log^{(30)} + 40$
30 ~ 88	100	3	100	$20\log^{(100)}$
88 ~ 216	150	3	150	$20\log^{(150)}$
216 ~ 960	200	3	200	$20\log^{(200)}$
Above 960	500	3	500	$20\log^{(500)}$

FCC Part 15.407 (b) Undesirable emission limits. Except as shown in paragraph (b)(10) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating solely in the 5.725-5.850 GHz band:
 - (i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

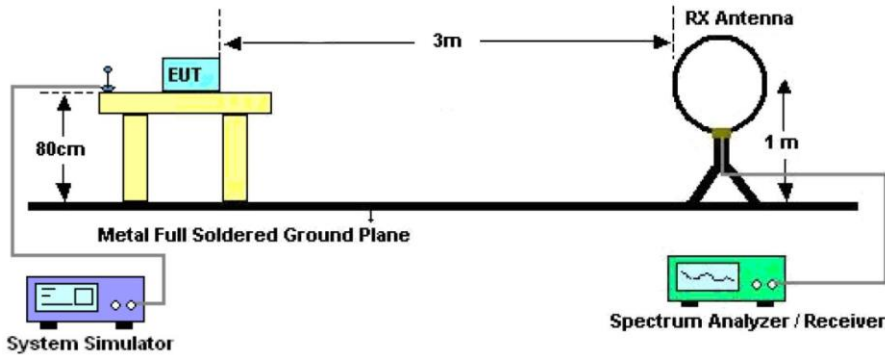
7.1 EUT Operation

Operating Environment :

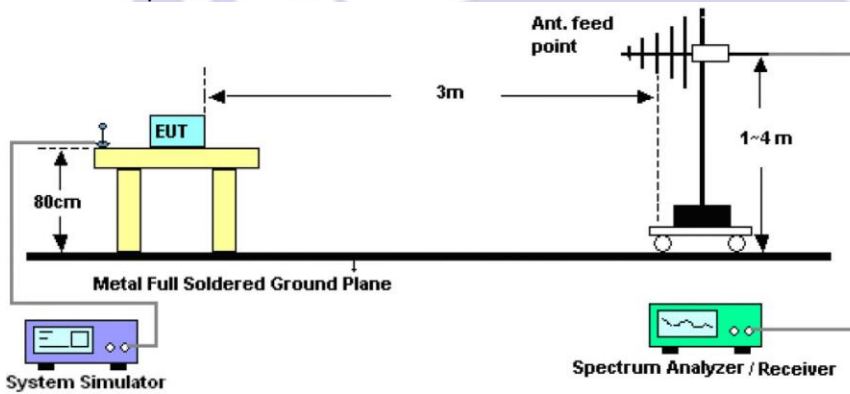
Temperature : 24.5 °C
 Humidity : 55.5% RH
 Atmospheric Pressure : 101.3kPa
 Test Voltage : AC 120V60Hz

7.2 Test Setup

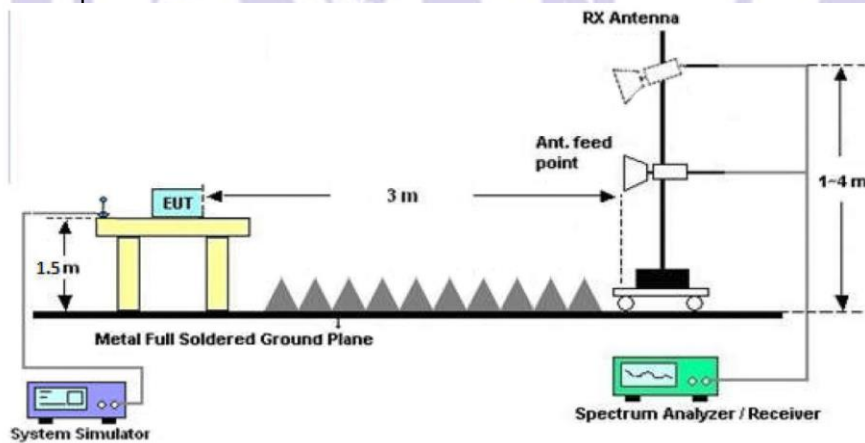
The radiated emission tests were performed in the 3m Semi- Anechoic Chamber test site
The test setup for emission measurement below 30MHz.



The test setup for emission measurement from 30 MHz to 1 GHz.



The test setup for emission measurement above 1 GHz.



7.3 Spectrum Analyzer Setup

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP



7.4 Test Procedure

1. The testing follows the guidelines in Spurious Radiated Emissions of ANSI C63.10-2020.
2. Below 1000MHz, The EUT was placed on a turn table which is 0.8m above ground plane. And above 1000MHz, The EUT was placed on a styrofoam table which is 1.5m above ground plane.
3. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (From 1m to 4m) and turntable (from 0 degree to 360 degree) to find the maximum reading. A pre-amp and a filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Final measurement (Above 1GHz): The frequency range will be divided into different sub ranges depending of the frequency range of the used horn antenna. The EMI Receiver set to peak and average mode and a resolution bandwidth of 1MHz. The measurement will be performed in horizontal and vertical polarization of the measuring antenna and while rotating the EUT in its vertical axis in the range of 0 degree to 360 degree in order to have the antenna inside the cone of radiation.
7. Test Procedure of measurement (For Above 1GHz):
 - 1) Monitor the frequency range at horizontal polarization and move the antenna over all sides of the EUT(if necessary move the EUT to another orthogonal axis).
 - 2) Change the antenna polarization and repeat 1) with vertical polarization.
 - 3) Make a hardcopy of the spectrum.
 - 4) Measure the frequency of the detected emissions with a lower span and resolution bandwidth to increase the accuracy and note the frequency value.
 - 5) Change the analyser mode to Clear/ Write and found the cone of emission.
 - 6) Rotate and move the EUT, so that the measuring distance can be enlarged to 3m and the antenna will be still inside the cone of emission.
 - 7) Measure the level of the detected frequency with the correct resolution bandwidth, with the antenna polarization and azimuth and the peak and average detector, which causes the maximum emission.
 - 8) Repeat steps 1) to 7) for the next antenna spot if the EUT is larger than the antenna beamwidth.
7. The radiation measurements are tested under 3-axes(X,Y,Z) position(X denotes lying on the table, Y denotes side stand and Z denotes vertical stand), After pre-test, It was found that the worse radiation emission was get at the X position. So the data shown was the X position only.

7.5 Summary of Test Results

Test Frequency: 9KHz-30MHz

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)
--	--	--	--	>20

Note:

The amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

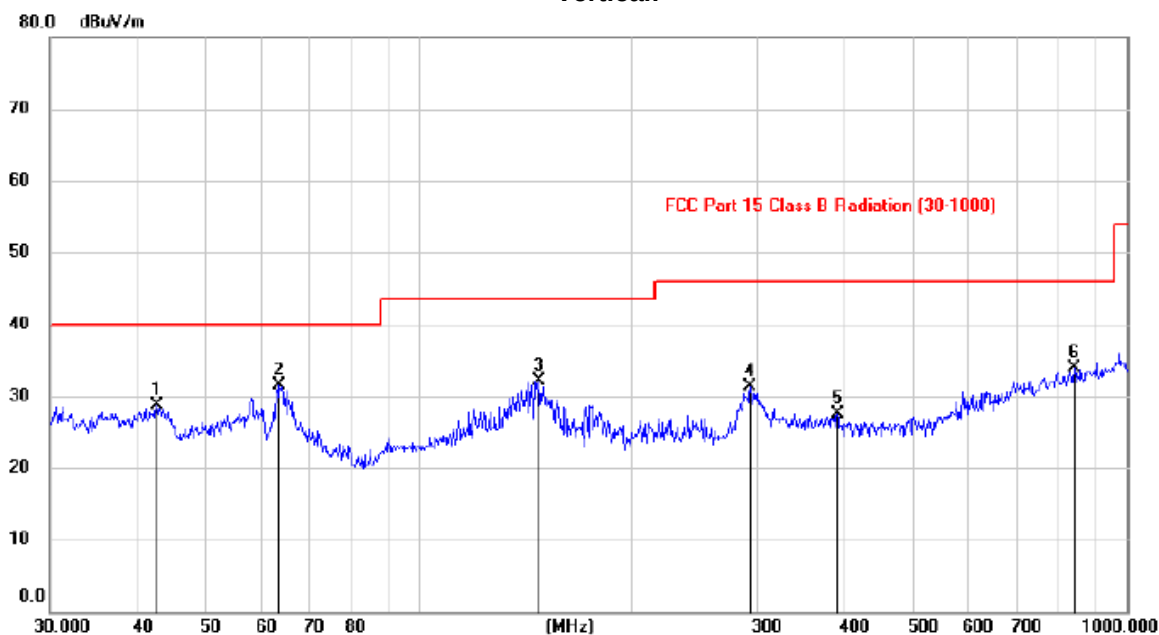
Distance extrapolation factor = $40\log(\text{Specific distance} / \text{test distance})$ (dB);

Limit line = Specific limits (dBuV) + distance extrapolation factor.



Test Frequency: 30MHz ~ 1GHz

Vertical:

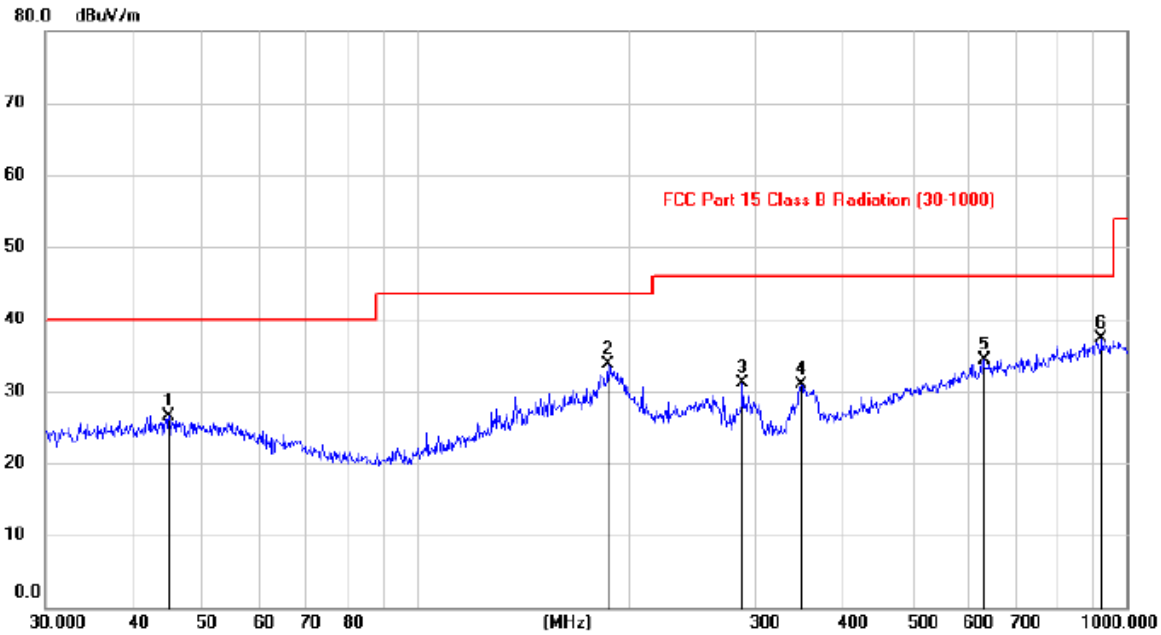


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1		42.5750	14.45	14.28	28.73	40.00	-11.27	peak		
2	*	63.5281	18.96	12.52	31.48	40.00	-8.52	peak		
3		147.8522	17.13	14.90	32.03	43.50	-11.47	peak		
4		293.7357	17.30	13.96	31.26	46.00	-14.74	peak		
5		389.4458	11.49	16.07	27.56	46.00	-18.44	peak		
6		844.9890	10.52	23.30	33.82	46.00	-12.18	peak		

Note: 1. *: Maximum data; x: Over limit; !: over margin.

2. Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

Horizontal:



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		44.8376	12.42	14.12	26.54	40.00	-13.46	peak		
2		186.0706	21.79	11.95	33.74	43.50	-9.76	peak		
3		288.7318	17.34	13.84	31.18	46.00	-14.82	peak		
4		349.1274	15.61	15.22	30.83	46.00	-15.17	peak		
5		630.6553	13.45	20.86	34.31	46.00	-11.69	peak		
6	*	923.0548	12.96	24.35	37.31	46.00	-8.69	peak		

Note:1. *:Maximum data; x:Over limit; !:over margin.

2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

Remark: All modes have been tested, and only worst data of 802.11n mode, Channel 5180MHz was listed in this report.

Above 1GHz:
PK:
802.11a (HT20) 5180MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.02	51.34	16.29	14.62	32.65	50.83	74.00	-23.17	Vertical
15540.09	48.87	21.83	17.66	34.46	53.90	74.00	-20.10	Vertical
10360.22	51.80	8.73	14.62	32.65	43.73	74.00	-30.27	Horizontal
15540.08	46.93	11.73	17.66	34.46	41.86	74.00	-32.14	Horizontal

802.11a (HT20) 5200MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10400.14	49.78	16.29	14.62	32.65	49.27	74.00	-24.73	Vertical
15600.29	47.12	21.83	17.66	34.46	52.15	74.00	-21.85	Vertical
10400.03	52.03	8.73	14.62	32.65	43.96	74.00	-30.04	Horizontal
15600.07	47.13	11.73	17.66	34.46	42.06	74.00	-31.94	Horizontal

802.11a (HT20) 5240MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10480.21	51.16	16.29	14.62	32.65	50.65	74.00	-23.35	Vertical
15720.11	49.84	21.83	17.66	34.46	54.87	74.00	-19.13	Vertical
10480.30	53.35	8.73	14.62	32.65	45.28	74.00	-28.72	Horizontal
15720.23	48.03	11.73	17.66	34.46	42.96	74.00	-31.04	Horizontal

802.11n (HT20) 5180MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.31	51.15	16.29	14.62	32.65	50.64	74.00	-23.36	Vertical
15540.30	50.49	21.83	17.66	34.46	55.52	74.00	-18.48	Vertical
10360.02	55.32	8.73	14.62	32.65	47.25	74.00	-26.75	Horizontal
15540.07	47.43	11.73	17.66	34.46	42.36	74.00	-31.64	Horizontal

802.11n (HT20) 5200MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10400.04	51.28	16.29	14.62	32.65	50.77	74.00	-23.23	Vertical
15600.21	48.85	21.83	17.66	34.46	53.88	74.00	-20.12	Vertical
10400.31	52.19	8.73	14.62	32.65	44.12	74.00	-29.88	Horizontal
15600.14	48.20	11.73	17.66	34.46	43.13	74.00	-30.87	Horizontal

802.11n (HT20) 5240MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10480.12	52.97	16.29	14.62	32.65	52.46	74.00	-21.54	Vertical
15720.17	47.44	21.83	17.66	34.46	52.47	74.00	-21.53	Vertical
10480.26	51.75	8.73	14.62	32.65	43.68	74.00	-30.32	Horizontal
15720.29	47.66	11.73	17.66	34.46	42.59	74.00	-31.41	Horizontal

802.11ac (HT20) 5180MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.28	52.00	16.29	14.62	32.65	51.49	74.00	-22.51	Vertical
15540.32	49.98	21.83	17.66	34.46	55.01	74.00	-18.99	Vertical
10360.23	55.49	8.73	14.62	32.65	47.42	74.00	-26.58	Horizontal
15540.01	48.73	11.73	17.66	34.46	43.66	74.00	-30.34	Horizontal

802.11ac (HT20) 5200MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10400.29	52.03	16.29	14.62	32.65	51.52	74.00	-22.48	Vertical
15600.08	49.80	21.83	17.66	34.46	54.83	74.00	-19.17	Vertical
10400.13	51.81	8.73	14.62	32.65	43.74	74.00	-30.26	Horizontal
15600.02	48.74	11.73	17.66	34.46	43.67	74.00	-30.33	Horizontal

802.11ac (HT20) 5240MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10480.10	50.00	16.29	14.62	32.65	49.49	74.00	-24.51	Vertical
15720.18	49.83	21.83	17.66	34.46	54.86	74.00	-19.14	Vertical
10480.01	51.74	8.73	14.62	32.65	43.67	74.00	-30.33	Horizontal
15720.21	48.76	11.73	17.66	34.46	43.69	74.00	-30.31	Horizontal

802.11ax(HE20) 5180MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.01	53.09	16.29	14.62	32.65	52.58	74.00	-21.42	Vertical
15540.06	48.34	21.83	17.66	34.46	53.37	74.00	-20.63	Vertical
10360.10	55.28	8.73	14.62	32.65	47.21	74.00	-26.79	Horizontal
15540.10	47.98	11.73	17.66	34.46	42.91	74.00	-31.09	Horizontal

802.11ax(HE20) 5200MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10400.28	51.25	16.29	14.62	32.65	50.74	74.00	-23.26	Vertical
15600.28	47.59	21.83	17.66	34.46	52.62	74.00	-21.38	Vertical
10400.22	54.10	8.73	14.62	32.65	46.03	74.00	-27.97	Horizontal
15600.20	48.13	11.73	17.66	34.46	43.06	74.00	-30.94	Horizontal

802.11ax(HE20) 5240MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10480.15	50.10	16.29	14.62	32.65	49.59	74.00	-24.41	Vertical
15720.27	50.27	21.83	17.66	34.46	55.30	74.00	-18.70	Vertical
10480.29	53.37	8.73	14.62	32.65	45.30	74.00	-28.70	Horizontal
15720.13	48.14	11.73	17.66	34.46	43.07	74.00	-30.93	Horizontal

802.11n (HT40) 5190MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10380.08	51.83	16.29	14.62	32.65	51.32	74.00	-22.68	Vertical
15570.15	50.74	21.83	17.66	34.46	55.77	74.00	-18.23	Vertical
10380.07	53.24	8.73	14.62	32.65	45.17	74.00	-28.83	Horizontal
15570.08	47.02	11.73	17.66	34.46	41.95	74.00	-32.05	Horizontal

802.11n (HT40) 5230MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10460.23	52.34	16.29	14.62	32.65	51.83	74.00	-22.17	Vertical
15690.18	50.17	21.83	17.66	34.46	55.20	74.00	-18.80	Vertical
10460.13	55.39	8.73	14.62	32.65	47.32	74.00	-26.68	Horizontal
15690.16	48.49	11.73	17.66	34.46	43.42	74.00	-30.58	Horizontal

802.11ac (HT40) 5190MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10380.03	52.99	16.29	14.62	32.65	52.48	74.00	-21.52	Vertical
15570.23	48.47	21.83	17.66	34.46	53.50	74.00	-20.50	Vertical
10380.29	53.36	8.73	14.62	32.65	45.29	74.00	-28.71	Horizontal
15570.03	45.11	11.73	17.66	34.46	40.04	74.00	-33.96	Horizontal

802.11ac (HT40) 5230MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10460.12	52.60	16.29	14.62	32.65	52.09	74.00	-21.91	Vertical
15690.06	47.49	21.83	17.66	34.46	52.52	74.00	-21.48	Vertical
10460.12	54.99	8.73	14.62	32.65	46.92	74.00	-27.08	Horizontal
15690.29	48.10	11.73	17.66	34.46	43.03	74.00	-30.97	Horizontal

802.11ax(HE40) 5190MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10380.08	49.82	16.29	14.62	32.65	49.31	74.00	-24.69	Vertical
15570.15	50.28	21.83	17.66	34.46	55.31	74.00	-18.69	Vertical
10380.15	55.04	8.73	14.62	32.65	46.97	74.00	-27.03	Horizontal
15570.05	47.82	11.73	17.66	34.46	42.75	74.00	-31.25	Horizontal

802.11ax(HE40) 5230MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10460.01	50.81	16.29	14.62	32.65	50.30	74.00	-23.70	Vertical
15690.30	49.82	21.83	17.66	34.46	54.85	74.00	-19.15	Vertical
10460.15	53.66	8.73	14.62	32.65	45.59	74.00	-28.41	Horizontal
15690.29	45.31	11.73	17.66	34.46	40.24	74.00	-33.76	Horizontal

802.11ac80 5210MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10420.06	50.40	16.29	17.66	34.46	49.89	74.00	-24.11	Vertical
15630.16	50.91	21.83	17.66	34.46	55.94	74.00	-18.06	Vertical
10420.12	54.40	8.73	17.66	34.46	46.33	74.00	-27.67	Horizontal
15630.06	47.98	11.73	17.66	34.46	42.91	74.00	-31.09	Horizontal

802.11 ac80 5210MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10420.09	50.88	16.29	17.66	34.46	50.37	74.00	-23.63	Vertical
15630.28	48.20	21.83	17.66	34.46	53.23	74.00	-20.77	Vertical
10420.04	54.42	8.73	17.66	34.46	46.35	74.00	-27.65	Horizontal
15630.19	47.82	11.73	17.66	34.46	42.75	74.00	-31.25	Horizontal

802.11ax(HE80) 5210MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10420.07	50.83	16.29	17.66	34.46	50.32	74.00	-23.68	Vertical
15630.26	50.86	21.83	17.66	34.46	55.89	74.00	-18.11	Vertical
10420.08	55.02	8.73	17.66	34.46	46.95	74.00	-27.05	Horizontal
15630.27	45.43	11.73	17.66	34.46	40.36	74.00	-33.64	Horizontal

802.11 ax80 5210MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10420.23	51.74	16.29	17.66	34.46	51.23	74.00	-22.77	Vertical
15630.17	49.03	21.83	17.66	34.46	54.06	74.00	-19.94	Vertical
10420.04	54.52	8.73	17.66	34.46	46.45	74.00	-27.55	Horizontal
15630.25	45.92	11.73	17.66	34.46	40.85	74.00	-33.15	Horizontal

AVG:
802.11a (HT20) 5180MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.18	43.81	16.29	17.66	34.46	43.30	54.00	-10.70	Vertical
15540.32	40.21	21.83	17.66	34.46	45.24	54.00	-8.76	Vertical
10360.28	46.83	8.73	17.66	34.46	38.76	54.00	-15.24	Horizontal
15540.03	39.97	11.73	17.66	34.46	34.90	54.00	-19.10	Horizontal

802.11a (HT20) 5200MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10400.03	45.89	16.29	17.66	34.46	45.38	54.00	-8.62	Vertical
15600.23	39.88	21.83	17.66	34.46	44.91	54.00	-9.09	Vertical
10400.05	47.68	8.73	17.66	34.46	39.61	54.00	-14.39	Horizontal
15600.02	37.50	11.73	17.66	34.46	32.43	54.00	-21.57	Horizontal

802.11a (HT20) 5240MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10480.01	45.99	16.29	17.66	34.46	45.48	54.00	-8.52	Vertical
15720.06	39.16	21.83	17.66	34.46	44.19	54.00	-9.81	Vertical
10480.28	47.00	8.73	17.66	34.46	38.93	54.00	-15.07	Horizontal
15720.18	39.09	11.73	17.66	34.46	34.02	54.00	-19.98	Horizontal

802.11n (HT20) 5180MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.19	42.72	16.29	17.66	34.46	42.21	54.00	-11.79	Vertical
15540.26	41.39	21.83	17.66	34.46	46.42	54.00	-7.58	Vertical
10360.14	45.84	8.73	17.66	34.46	37.77	54.00	-16.23	Horizontal
15540.29	40.84	11.73	17.66	34.46	35.77	54.00	-18.23	Horizontal

802.11n (HT20) 5200MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10400.20	44.64	16.29	17.66	34.46	44.13	54.00	-9.87	Vertical
15600.11	42.64	21.83	17.66	34.46	47.67	54.00	-6.33	Vertical
10400.09	47.84	8.73	17.66	34.46	39.77	54.00	-14.23	Horizontal
15600.09	37.88	11.73	17.66	34.46	32.81	54.00	-21.19	Horizontal

802.11n (HT20) 5240MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10480.10	43.20	16.29	17.66	34.46	42.69	54.00	-11.31	Vertical
15720.11	40.94	21.83	17.66	34.46	45.97	54.00	-8.03	Vertical
10480.23	47.21	8.73	17.66	34.46	39.14	54.00	-14.86	Horizontal
15720.14	40.60	11.73	17.66	34.46	35.53	54.00	-18.47	Horizontal

802.11ac (HT20) 5180MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.02	42.99	16.29	17.66	34.46	42.48	54.00	-11.52	Vertical
15540.23	41.47	21.83	17.66	34.46	46.50	54.00	-7.50	Vertical
10360.30	45.24	8.73	17.66	34.46	37.17	54.00	-16.83	Horizontal
15540.27	38.75	11.73	17.66	34.46	33.68	54.00	-20.32	Horizontal

802.11ac (HT20) 5200MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10400.32	46.15	16.29	17.66	34.46	45.64	54.00	-8.36	Vertical
15600.07	40.91	21.83	17.66	34.46	45.94	54.00	-8.06	Vertical
10400.19	46.56	8.73	17.66	34.46	38.49	54.00	-15.51	Horizontal
15600.06	40.17	11.73	17.66	34.46	35.10	54.00	-18.90	Horizontal

802.11ac (HT20) 5240MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10480.19	44.40	16.29	17.66	34.46	43.89	54.00	-10.11	Vertical
15720.27	42.95	21.83	17.66	34.46	47.98	54.00	-6.02	Vertical
10480.04	48.28	8.73	17.66	34.46	40.21	54.00	-13.79	Horizontal
15720.01	40.81	11.73	17.66	34.46	35.74	54.00	-18.26	Horizontal

802.11ax(HE20) 5180MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.21	44.57	16.29	17.66	34.46	44.06	54.00	-9.94	Vertical
15540.22	41.19	21.83	17.66	34.46	46.22	54.00	-7.78	Vertical
10360.27	46.38	8.73	17.66	34.46	38.31	54.00	-15.69	Horizontal
15540.12	39.20	11.73	17.66	34.46	34.13	54.00	-19.87	Horizontal

802.11ax(HE20) 5200MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10400.26	44.52	16.29	17.66	34.46	44.01	54.00	-9.99	Vertical
15600.06	40.74	21.83	17.66	34.46	45.77	54.00	-8.23	Vertical
10400.23	44.91	8.73	17.66	34.46	36.84	54.00	-17.16	Horizontal
15600.01	39.37	11.73	17.66	34.46	34.30	54.00	-19.70	Horizontal

802.11ax(HE20) 5240MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10480.04	45.03	16.29	17.66	34.46	44.52	54.00	-9.48	Vertical
15720.05	40.75	21.83	17.66	34.46	45.78	54.00	-8.22	Vertical
10480.01	45.09	8.73	17.66	34.46	37.02	54.00	-16.98	Horizontal
15720.07	40.83	11.73	17.66	34.46	35.76	54.00	-18.24	Horizontal

802.11n (HT40) 5190MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10380.31	42.70	16.29	17.66	34.46	42.19	54.00	-11.81	Vertical
15570.01	41.82	21.83	17.66	34.46	46.85	54.00	-7.15	Vertical
10380.20	45.72	8.73	17.66	34.46	37.65	54.00	-16.35	Horizontal
15570.26	40.46	11.73	17.66	34.46	35.39	54.00	-18.61	Horizontal

802.11n (HT40) 5230MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10460.13	45.42	16.29	17.66	34.46	44.91	54.00	-9.09	Vertical
15690.15	41.79	21.83	17.66	34.46	46.82	54.00	-7.18	Vertical
10460.15	47.20	8.73	17.66	34.46	39.13	54.00	-14.87	Horizontal
15690.16	38.67	11.73	17.66	34.46	33.60	54.00	-20.40	Horizontal

802.11ac (HT40) 5190MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10380.31	43.67	16.29	17.66	34.46	43.16	54.00	-10.84	Vertical
15570.13	41.80	21.83	17.66	34.46	46.83	54.00	-7.17	Vertical
10380.24	46.59	8.73	17.66	34.46	38.52	54.00	-15.48	Horizontal
15570.07	40.27	11.73	17.66	34.46	35.20	54.00	-18.80	Horizontal

802.11ac (HT40) 5230MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10460.20	45.92	16.29	17.66	34.46	45.41	54.00	-8.59	Vertical
15690.25	40.68	21.83	17.66	34.46	45.71	54.00	-8.29	Vertical
10460.08	46.20	8.73	17.66	34.46	38.13	54.00	-15.87	Horizontal
15690.19	38.13	11.73	17.66	34.46	33.06	54.00	-20.94	Horizontal

802.11ax(HE40) 5190MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10380.32	46.01	16.29	17.66	34.46	45.50	54.00	-8.50	Vertical
15570.22	39.78	21.83	17.66	34.46	44.81	54.00	-9.19	Vertical
10380.27	45.52	8.73	17.66	34.46	37.45	54.00	-16.55	Horizontal
15570.20	38.86	11.73	17.66	34.46	33.79	54.00	-20.21	Horizontal

802.11ax(HE40) 5230MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10460.07	43.39	16.29	17.66	34.46	42.88	54.00	-11.12	Vertical
15690.09	40.12	21.83	17.66	34.46	45.15	54.00	-8.85	Vertical
10460.05	47.04	8.73	17.66	34.46	38.97	54.00	-15.03	Horizontal
15690.22	37.89	11.73	17.66	34.46	32.82	54.00	-21.18	Horizontal

802.11ac80 5210MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10420.30	46.32	16.29	17.66	34.46	45.81	54.00	-8.19	Vertical
15630.16	40.68	21.83	17.66	34.46	45.71	54.00	-8.29	Vertical
10420.25	45.87	8.73	17.66	34.46	37.80	54.00	-16.20	Horizontal
15630.27	38.49	11.73	17.66	34.46	33.42	54.00	-20.58	Horizontal

802.11 ac80 5210MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10420.13	44.32	16.29	17.66	34.46	43.81	54.00	-10.19	Vertical
15630.14	40.23	21.83	17.66	34.46	45.26	54.00	-8.74	Vertical
10420.30	46.73	8.73	17.66	34.46	38.66	54.00	-15.34	Horizontal
15630.14	40.26	11.73	17.66	34.46	35.19	54.00	-18.81	Horizontal

802.11ax(HE80) 5210MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10420.07	44.29	16.29	17.66	34.46	43.78	54.00	-10.22	Vertical
15630.16	42.16	21.83	17.66	34.46	47.19	54.00	-6.81	Vertical
10420.30	46.43	8.73	17.66	34.46	38.36	54.00	-15.64	Horizontal
15630.26	39.95	11.73	17.66	34.46	34.88	54.00	-19.12	Horizontal

802.11 ax80 5210MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10420.16	43.95	16.29	17.66	34.46	43.44	54.00	-10.56	Vertical
15630.32	40.91	21.83	17.66	34.46	45.94	54.00	-8.06	Vertical
10420.10	46.32	8.73	17.66	34.46	38.25	54.00	-15.75	Horizontal
15630.20	40.03	11.73	17.66	34.46	34.96	54.00	-19.04	Horizontal

Note:

1. Level = Read Level + Antenna Factor+ Cable loss- Preamp Factor.
2. The test trace is same as the ambient noise (the test frequency range: 18GHz~40GHz), therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.
4. This Report only show the test plots of the worst case (U-NII-1).

8 Out of Band Emissions and Spurious Emission

8.1 Test Standard and Limit

IC

For transmitters with operating frequencies in the band 5150-5250 MHz:

- a. all emissions outside the 5150-5350 MHz band shall not exceed -27 dBm/MHz peak e.i.r.p. spectral density;
- b. any unwanted emissions that falls between the upper edge of the 26 dB bandwidth and 5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth.
- c. if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing DFS (see section 7.3.6) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

Devices shall comply with the following:

- a. all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz peak e.i.r.p. spectral density.
- b. all emissions inside the band 5150-5250 MHz shall either:
 - i. not exceed -27 dBm/MHz peak e.i.r.p. spectral density, or
 - ii. comply with the power spectral density for operation in section 7.3.1.2.

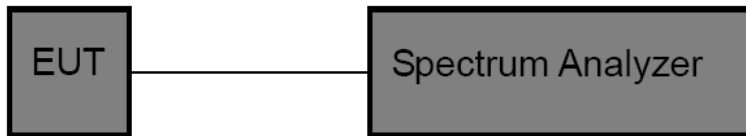
Equipment operating in the bands 5470-5725 MHz shall comply with the following unwanted emission limits:

- a. for devices with fundamental emissions fully contained within the 5470-5725 MHz band, all unwanted emissions outside the band 5470-5725 MHz shall not exceed -27 dBm/MHz peak e.i.r.p. spectral density.
- b. for devices with bandwidth overlapping the band edge of 5725 MHz, all unwanted emissions shall not exceed -27 dBm/MHz peak e.i.r.p. spectral density at 5850 MHz instead of 5725 MHz.

Equipment operating in the band 5725-5850 MHz shall comply with the following peak e.i.r.p. spectral density limits:

- a. 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
- b. 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
- c. 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
- d. -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

8.2 Test Setup



8.3 Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW of spectrum analyzer to 1 MHz with a convenient frequency span.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

8.4 Test Data

Band1

Mode:		802.11a		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	31.76	17.18	48.94	68.20	-19.26	PK
V	5150.00	35.68	17.18	52.86	68.20	-15.34	PK
Mode:		802.11a		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	24.18	17.18	41.36	54.00	-12.64	AV
V	5150.00	24.47	17.18	41.65	54.00	-12.35	AV
Mode:		802.11a		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	34.50	17.18	51.68	68.20	-16.52	PK
V	5350.00	35.17	17.18	52.35	68.20	-15.85	PK
Mode:		802.11a		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	22.95	17.18	40.13	54.00	-13.87	AV
V	5350.00	26.21	17.18	43.39	54.00	-10.61	AV

Mode:		802.11n(HT20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	31.23	17.18	48.41	68.20	-19.79	PK
V	5150.00	33.13	17.18	50.31	68.20	-17.89	PK
Mode:		802.11n(HT20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	25.36	17.18	42.54	54.00	-11.46	AV
V	5150.00	26.66	17.18	43.84	54.00	-10.16	AV
Mode:		802.11n(HT20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	30.95	17.18	48.13	68.20	-20.07	PK
V	5350.00	35.67	17.18	52.85	68.20	-15.35	PK
Mode:		802.11n(HT20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	25.12	17.18	42.30	54.00	-11.70	AV
V	5350.00	26.39	17.18	43.57	54.00	-10.43	AV

Mode:		802.11ac(VHT20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	31.93	17.18	49.11	68.20	-19.09	PK
V	5150.00	35.35	17.18	52.53	68.20	-15.67	PK
Mode:		802.11ac(VHT20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	24.56	17.18	41.74	54.00	-12.26	AV
V	5150.00	26.97	17.18	44.15	54.00	-9.85	AV
Mode:		802.11ac(VHT20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	33.97	17.18	51.15	68.20	-17.05	PK
V	5350.00	34.63	17.18	51.81	68.20	-16.39	PK
Mode:		802.11ac(VHT20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	24.73	17.18	41.91	54.00	-12.09	AV
V	5350.00	23.70	17.18	40.88	54.00	-13.12	AV

Mode:		802.11ax(HE20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	31.86	17.18	49.04	68.20	-19.16	PK
V	5150.00	35.81	17.18	52.99	68.20	-15.21	PK
Mode:		802.11ax(HE20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	24.29	17.18	41.47	54.00	-12.53	AV
V	5150.00	27.08	17.18	44.26	54.00	-9.74	AV
Mode:		802.11ax(HE20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	30.95	17.18	48.13	68.20	-20.07	PK
V	5350.00	36.24	17.18	53.42	68.20	-14.78	PK
Mode:		802.11ax(HE20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	24.71	17.18	41.89	54.00	-12.11	AV
V	5350.00	25.31	17.18	42.49	54.00	-11.51	AV

Mode:		802.11n(HT40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	32.69	17.18	49.87	68.20	-18.33	PK
V	5150.00	34.71	17.18	51.89	68.20	-16.31	PK
Mode:		802.11n(HT40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	21.78	17.18	38.96	54.00	-15.04	AV
V	5150.00	26.03	17.18	43.21	54.00	-10.79	AV
Mode:		802.11n(HT40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	31.85	17.18	49.03	68.20	-19.17	PK
V	5350.00	34.65	17.18	51.83	68.20	-16.37	PK
Mode:		802.11n(HT40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	22.07	17.18	39.25	54.00	-14.75	AV
V	5350.00	25.14	17.18	42.32	54.00	-11.68	AV

Mode:		802.11ac(VHT40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	31.22	17.18	48.40	68.20	-19.80	PK
V	5150.00	33.99	17.18	51.17	68.20	-17.03	PK
Mode:		802.11ac(VHT40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	22.72	17.18	39.90	54.00	-14.10	AV
V	5150.00	23.57	17.18	40.75	54.00	-13.25	AV
Mode:		802.11ac(VHT40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	32.96	17.18	50.14	68.20	-18.06	PK
V	5350.00	34.41	17.18	51.59	68.20	-16.61	PK
Mode:		802.11ac(VHT40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	24.48	17.18	41.66	54.00	-12.34	AV
V	5350.00	26.61	17.18	43.79	54.00	-10.21	AV

Mode:		802.11ax(HE40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	33.59	17.18	50.77	68.20	-17.43	PK
V	5150.00	33.48	17.18	50.66	68.20	-17.54	PK
Mode:		802.11ax(HE40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	25.34	17.18	42.52	54.00	-11.48	AV
V	5150.00	24.42	17.18	41.60	54.00	-12.40	AV
Mode:		802.11ax(HE40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	34.67	17.18	51.85	68.20	-16.35	PK
V	5350.00	32.61	17.18	49.79	68.20	-18.41	PK
Mode:		802.11ax(HE40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	24.94	17.18	42.12	54.00	-11.88	AV
V	5350.00	23.59	17.18	40.77	54.00	-13.23	AV

Mode:		802.11ac(VHT80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	32.19	17.18	49.37	68.20	-18.83	PK
V	5150.00	33.16	17.18	50.34	68.20	-17.86	PK
Mode:		802.11ac(VHT80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	23.31	17.18	40.49	54.00	-13.51	AV
V	5150.00	26.66	17.18	43.84	54.00	-10.16	AV
Mode:		802.11ac(VHT80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	32.57	17.18	49.75	68.20	-18.45	PK
V	5350.00	33.49	17.18	50.67	68.20	-17.53	PK
Mode:		802.11ac(VHT80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	25.16	17.18	42.34	54.00	-11.66	AV
V	5350.00	26.01	17.18	43.19	54.00	-10.81	AV

Mode:		802.11ax(HE80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	34.41	17.18	51.59	68.20	-16.61	PK
V	5150.00	33.04	17.18	50.22	68.20	-17.98	PK
Mode:		802.11ax(HE80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	22.83	17.18	40.01	54.00	-13.99	AV
V	5150.00	24.28	17.18	41.46	54.00	-12.54	AV
Mode:		802.11ax(HE80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	33.57	17.18	50.75	68.20	-17.45	PK
V	5350.00	33.59	17.18	50.77	68.20	-17.43	PK
Mode:		802.11ax(HE80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	22.77	17.18	39.95	54.00	-14.05	AV
V	5350.00	24.26	17.18	41.44	54.00	-12.56	AV

Band2

Mode:		802.11a		Frequency:		5260MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	32.78	17.18	49.96	68.20	-18.24	PK
V	5150.00	33.80	17.18	50.98	68.20	-17.22	PK
Mode:		802.11a		Frequency:		5260MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	25.15	17.18	42.33	54.00	-11.67	AV
V	5150.00	23.49	17.18	40.67	54.00	-13.33	AV
Mode:		802.11a		Frequency:		5320MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	34.82	17.18	52.00	68.20	-16.20	PK
V	5350.00	33.69	17.18	50.87	68.20	-17.33	PK
Mode:		802.11a		Frequency:		5320MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	21.76	17.18	38.94	54.00	-15.06	AV
V	5350.00	26.02	17.18	43.20	54.00	-10.80	AV

Mode:		802.11n(HT20)		Frequency:		5260MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	32.39	17.18	49.57	68.20	-18.63	PK
V	5150.00	32.85	17.18	50.03	68.20	-18.17	PK
Mode:		802.11n(HT20)		Frequency:		5260MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	24.32	17.18	41.50	54.00	-12.50	AV
V	5150.00	24.58	17.18	41.76	54.00	-12.24	AV
Mode:		802.11n(HT20)		Frequency:		5320MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	31.38	17.18	48.56	68.20	-19.64	PK
V	5350.00	36.19	17.18	53.37	68.20	-14.83	PK
Mode:		802.11n(HT20)		Frequency:		5320MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	22.85	17.18	40.03	54.00	-13.97	AV
V	5350.00	25.19	17.18	42.37	54.00	-11.63	AV

Mode:		802.11ac(VHT20)		Frequency:		5260MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	31.06	17.18	48.24	68.20	-19.96	PK
V	5150.00	35.20	17.18	52.38	68.20	-15.82	PK
Mode:		802.11ac(VHT20)		Frequency:		5260MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	22.75	17.18	39.93	54.00	-14.07	AV
V	5150.00	23.79	17.18	40.97	54.00	-13.03	AV
Mode:		802.11ac(VHT20)		Frequency:		5320MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	32.92	17.18	50.10	68.20	-18.10	PK
V	5350.00	35.28	17.18	52.46	68.20	-15.74	PK
Mode:		802.11ac(VHT20)		Frequency:		5320MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	24.44	17.18	41.62	54.00	-12.38	AV
V	5350.00	23.95	17.18	41.13	54.00	-12.87	AV

Mode:		802.11ax(HE20)		Frequency:		5260MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	31.36	17.18	48.54	68.20	-19.66	PK
V	5150.00	34.10	17.18	51.28	68.20	-16.92	PK
Mode:		802.11ax(HE20)		Frequency:		5260MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	21.72	17.18	38.90	54.00	-15.10	AV
V	5150.00	23.37	17.18	40.55	54.00	-13.45	AV
Mode:		802.11ax(HE20)		Frequency:		5320MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	32.27	17.18	49.45	68.20	-18.75	PK
V	5350.00	35.30	17.18	52.48	68.20	-15.72	PK
Mode:		802.11ax(HE20)		Frequency:		5320MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	21.72	17.18	38.90	54.00	-15.10	AV
V	5350.00	23.77	17.18	40.95	54.00	-13.05	AV

Mode:		802.11n(HT40)		Frequency:		5270MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	33.28	17.18	50.46	68.20	-17.74	PK
V	5150.00	33.94	17.18	51.12	68.20	-17.08	PK
Mode:		802.11n(HT40)		Frequency:		5270MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	22.80	17.18	39.98	54.00	-14.02	AV
V	5150.00	24.13	17.18	41.31	54.00	-12.69	AV
Mode:		802.11n(HT40)		Frequency:		5310MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	31.04	17.18	48.22	68.20	-19.98	PK
V	5350.00	34.45	17.18	51.63	68.20	-16.57	PK
Mode:		802.11n(HT40)		Frequency:		5310MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	24.44	17.18	41.62	54.00	-12.38	AV
V	5350.00	26.52	17.18	43.70	54.00	-10.30	AV

Mode:		802.11ac(VHT40)		Frequency:		5270MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	33.47	17.18	50.65	68.20	-17.55	PK
V	5150.00	33.38	17.18	50.56	68.20	-17.64	PK
Mode:		802.11ac(VHT40)		Frequency:		5270MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	24.51	17.18	41.69	54.00	-12.31	AV
V	5150.00	27.19	17.18	44.37	54.00	-9.63	AV
Mode:		802.11ac(VHT40)		Frequency:		5310MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	31.68	17.18	48.86	68.20	-19.34	PK
V	5350.00	33.49	17.18	50.67	68.20	-17.53	PK
Mode:		802.11ac(VHT40)		Frequency:		5310MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	24.76	17.18	41.94	54.00	-12.06	AV
V	5350.00	25.03	17.18	42.21	54.00	-11.79	AV

Mode:		802.11ax(HE40)		Frequency:		5270MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	31.24	17.18	48.42	68.20	-19.78	PK
V	5150.00	32.51	17.18	49.69	68.20	-18.51	PK
Mode:		802.11ax(HE40)		Frequency:		5270MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	22.35	17.18	39.53	54.00	-14.47	AV
V	5150.00	25.39	17.18	42.57	54.00	-11.43	AV
Mode:		802.11ax(HE40)		Frequency:		5310MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	34.73	17.18	51.91	68.20	-16.29	PK
V	5350.00	34.18	17.18	51.36	68.20	-16.84	PK
Mode:		802.11ax(HE40)		Frequency:		5310MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	23.78	17.18	40.96	54.00	-13.04	AV
V	5350.00	25.15	17.18	42.33	54.00	-11.67	AV

Mode:		802.11ax(HE80)		Frequency:		5290MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	33.50	17.18	50.68	68.20	-17.52	PK
V	5150.00	33.60	17.18	50.78	68.20	-17.42	PK
Mode:		802.11ax(HE80)		Frequency:		5290MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	23.12	17.18	40.30	54.00	-13.70	AV
V	5150.00	26.40	17.18	43.58	54.00	-10.42	AV
Mode:		802.11ax(HE80)		Frequency:		5290MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	34.63	17.18	51.81	68.20	-16.39	PK
V	5350.00	32.68	17.18	49.86	68.20	-18.34	PK
Mode:		802.11ax(HE80)		Frequency:		5290MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	23.78	17.18	40.96	54.00	-13.04	AV
V	5350.00	26.29	17.18	43.47	54.00	-10.53	AV

Mode:		802.11ac(VHT80)		Frequency:		5290MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	31.82	17.18	49.00	68.20	-19.20	PK
V	5150.00	35.55	17.18	52.73	68.20	-15.47	PK
Mode:		802.11ac(VHT80)		Frequency:		5290MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	25.32	17.18	42.50	54.00	-11.50	AV
V	5150.00	25.54	17.18	42.72	54.00	-11.28	AV
Mode:		802.11ac(VHT80)		Frequency:		5290MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	32.62	17.18	49.80	68.20	-18.40	PK
V	5350.00	35.29	17.18	52.47	68.20	-15.73	PK
Mode:		802.11ac(VHT80)		Frequency:		5290MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	24.51	17.18	41.69	54.00	-12.31	AV
V	5350.00	23.98	17.18	41.16	54.00	-12.84	AV

Band3

Mode:		802.11a		Frequency:		5500MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5470.00	32.30	17.18	49.48	68.20	-18.72	PK
V	5470.00	35.67	17.18	52.85	68.20	-15.35	PK
Mode:		802.11a		Frequency:		5500MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5470.00	23.39	17.18	40.57	54.00	-13.43	AV
V	5470.00	26.04	17.18	43.22	54.00	-10.78	AV
Mode:		802.11a		Frequency:		5700MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	31.45	17.18	48.63	68.20	-19.57	PK
V	5725.00	33.73	17.18	50.91	68.20	-17.29	PK
Mode:		802.11a		Frequency:		5700MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	23.08	17.18	40.26	54.00	-13.74	AV
V	5725.00	24.24	17.18	41.42	54.00	-12.58	AV

Mode:		802.11n(HT20)		Frequency:		5500MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5470.00	34.10	17.18	51.28	68.20	-16.92	PK
V	5470.00	32.75	17.18	49.93	68.20	-18.27	PK
Mode:		802.11n(HT20)		Frequency:		5500MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5470.00	22.89	17.18	40.07	54.00	-13.93	AV
V	5470.00	24.12	17.18	41.30	54.00	-12.70	AV
Mode:		802.11n(HT20)		Frequency:		5700MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	34.84	17.18	52.02	68.20	-16.18	PK
V	5725.00	33.00	17.18	50.18	68.20	-18.02	PK
Mode:		802.11n(HT20)		Frequency:		5700MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	22.66	17.18	39.84	54.00	-14.16	AV
V	5725.00	24.05	17.18	41.23	54.00	-12.77	AV

Mode:		802.11ac(VHT20)		Frequency:		5500MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5470.00	32.64	17.18	49.82	68.20	-18.38	PK
V	5470.00	33.08	17.18	50.26	68.20	-17.94	PK
Mode:		802.11ac(VHT20)		Frequency:		5500MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5470.00	25.31	17.18	42.49	54.00	-11.51	AV
V	5470.00	23.86	17.18	41.04	54.00	-12.96	AV
Mode:		802.11ac(VHT20)		Frequency:		5700MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	33.60	17.18	50.78	68.20	-17.42	PK
V	5725.00	33.84	17.18	51.02	68.20	-17.18	PK
Mode:		802.11ac(VHT20)		Frequency:		5700MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	22.99	17.18	40.17	54.00	-13.83	AV
V	5725.00	27.27	17.18	44.45	54.00	-9.55	AV

Mode:		802.11ax(HE20)		Frequency:		5500MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5470.00	33.02	17.18	50.20	68.20	-18.00	PK
V	5470.00	35.77	17.18	52.95	68.20	-15.25	PK
Mode:		802.11ax(HE20)		Frequency:		5500MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5470.00	24.51	17.18	41.69	54.00	-12.31	AV
V	5470.00	25.92	17.18	43.10	54.00	-10.90	AV
Mode:		802.11ax(HE20)		Frequency:		5700MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5725.00	33.40	17.18	50.58	68.20	-17.62	PK
V	5725.00	33.98	17.18	51.16	68.20	-17.04	PK
Mode:		802.11ax(HE20)		Frequency:		5700MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5725.00	23.96	17.18	41.14	54.00	-12.86	AV
V	5725.00	23.72	17.18	40.90	54.00	-13.10	AV

Mode:		802.11n(HT40)		Frequency:		5510MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5470.00	31.84	17.18	49.02	68.20	-19.18	PK
V	5470.00	34.65	17.18	51.83	68.20	-16.37	PK
Mode:		802.11n(HT40)		Frequency:		5510MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5470.00	24.50	17.18	41.68	54.00	-12.32	AV
V	5470.00	26.51	17.18	43.69	54.00	-10.31	AV
Mode:		802.11n(HT40)		Frequency:		5670MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5725.00	31.87	17.18	49.05	68.20	-19.15	PK
V	5725.00	34.39	17.18	51.57	68.20	-16.63	PK
Mode:		802.11n(HT40)		Frequency:		5670MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5725.00	22.00	17.18	39.18	54.00	-14.82	AV
V	5725.00	26.74	17.18	43.92	54.00	-10.08	AV

Mode:		802.11ac(VHT40)		Frequency:		5510MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5470.00	31.42	17.18	48.60	68.20	-19.60	PK
V	5470.00	34.12	17.18	51.30	68.20	-16.90	PK
Mode:		802.11ac(VHT40)		Frequency:		5510MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5470.00	22.31	17.18	39.49	54.00	-14.51	AV
V	5470.00	24.88	17.18	42.06	54.00	-11.94	AV
Mode:		802.11ac(VHT40)		Frequency:		5670MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5725.00	34.52	17.18	51.70	68.20	-16.50	PK
V	5725.00	33.33	17.18	50.51	68.20	-17.69	PK
Mode:		802.11ac(VHT40)		Frequency:		5670MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5725.00	22.51	17.18	39.69	54.00	-14.31	AV
V	5725.00	25.27	17.18	42.45	54.00	-11.55	AV

Mode:		802.11ax(HE40)		Frequency:		5510MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5470.00	31.66	17.18	48.84	68.20	-19.36	PK
V	5470.00	36.12	17.18	53.30	68.20	-14.90	PK
Mode:		802.11ax(HE40)		Frequency:		5510MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5470.00	24.67	17.18	41.85	54.00	-12.15	AV
V	5470.00	25.89	17.18	43.07	54.00	-10.93	AV
Mode:		802.11ax(HE40)		Frequency:		5670MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5725.00	31.61	17.18	48.79	68.20	-19.41	PK
V	5725.00	33.41	17.18	50.59	68.20	-17.61	PK
Mode:		802.11ax(HE40)		Frequency:		5670MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5725.00	22.62	17.18	39.80	54.00	-14.20	AV
V	5725.00	26.98	17.18	44.16	54.00	-9.84	AV

Mode:		802.11ac(VHT80)		Frequency:		5530MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5470.00	32.20	17.18	49.38	68.20	-18.82	PK
V	5470.00	34.75	17.18	51.93	68.20	-16.27	PK
Mode:		802.11ac(VHT80)		Frequency:		5530MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5470.00	22.71	17.18	39.89	54.00	-14.11	AV
V	5470.00	24.45	17.18	41.63	54.00	-12.37	AV
Mode:		802.11ac(VHT80)		Frequency:		5610MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	31.52	17.18	48.70	68.20	-19.50	PK
V	5725.00	35.59	17.18	52.77	68.20	-15.43	PK
Mode:		802.11ac(VHT80)		Frequency:		5610MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	24.13	17.18	41.31	54.00	-12.69	AV
V	5725.00	24.92	17.18	42.10	54.00	-11.90	AV

Mode:		802.11ax(HE80)		Frequency:		5530MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5470.00	33.62	17.18	50.80	68.20	-17.40	PK
V	5470.00	36.04	17.18	53.22	68.20	-14.98	PK
Mode:		802.11ax(HE80)		Frequency:		5530MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5470.00	21.82	17.18	39.00	54.00	-15.00	AV
V	5470.00	26.75	17.18	43.93	54.00	-10.07	AV
Mode:		802.11ax(HE80)		Frequency:		5610MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	31.10	17.18	48.28	68.20	-19.92	PK
V	5725.00	35.43	17.18	52.61	68.20	-15.59	PK
Mode:		802.11ax(HE80)		Frequency:		5610MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	23.48	17.18	40.66	54.00	-13.34	AV
V	5725.00	27.00	17.18	44.18	54.00	-9.82	AV

Band4

Mode:		802.11a		Frequency:		5745MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	33.61	17.18	50.79	68.20	-17.41	PK
V	5725.00	32.62	17.18	49.80	68.20	-18.40	PK
Mode:		802.11a		Frequency:		5745MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	22.81	17.18	39.99	54.00	-14.01	AV
V	5725.00	25.26	17.18	42.44	54.00	-11.56	AV
Mode:		802.11a		Frequency:		5825MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	34.64	17.18	51.82	68.20	-16.38	PK
V	5850.00	33.18	17.18	50.36	68.20	-17.84	PK
Mode:		802.11a		Frequency:		5825MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	22.55	17.18	39.73	54.00	-14.27	AV
V	5850.00	26.32	17.18	43.50	54.00	-10.50	AV

Mode:		802.11n(HT20)		Frequency:		5745MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	31.80	17.18	48.98	68.20	-19.22	PK
V	5725.00	33.05	17.18	50.23	68.20	-17.97	PK
Mode:		802.11n(HT20)		Frequency:		5745MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	22.80	17.18	39.98	54.00	-14.02	AV
V	5725.00	26.83	17.18	44.01	54.00	-9.99	AV
Mode:		802.11n(HT20)		Frequency:		5825MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	33.50	17.18	50.68	68.20	-17.52	PK
V	5850.00	33.21	17.18	50.39	68.20	-17.81	PK
Mode:		802.11n(HT20)		Frequency:		5825MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	24.56	17.18	41.74	54.00	-12.26	AV
V	5850.00	24.46	17.18	41.64	54.00	-12.36	AV

Mode:		802.11ac(VHT20)		Frequency:		5745MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	32.21	17.18	49.39	68.20	-18.81	PK
V	5725.00	35.63	17.18	52.81	68.20	-15.39	PK
Mode:		802.11ac(VHT20)		Frequency:		5745MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	24.07	17.18	41.25	54.00	-12.75	AV
V	5725.00	26.71	17.18	43.89	54.00	-10.11	AV
Mode:		802.11ac(VHT20)		Frequency:		5825MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	32.42	17.18	49.60	68.20	-18.60	PK
V	5850.00	32.83	17.18	50.01	68.20	-18.19	PK
Mode:		802.11ac(VHT20)		Frequency:		5825MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	23.24	17.18	40.42	54.00	-13.58	AV
V	5850.00	24.90	17.18	42.08	54.00	-11.92	AV

Mode:		802.11ax(HE20)		Frequency:		5745MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	34.30	17.18	51.48	68.20	-16.72	PK
V	5725.00	36.16	17.18	53.34	68.20	-14.86	PK
Mode:		802.11ax(HE20)		Frequency:		5745MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	24.89	17.18	42.07	54.00	-11.93	AV
V	5725.00	25.85	17.18	43.03	54.00	-10.97	AV
Mode:		802.11ax(HE20)		Frequency:		5825MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	34.61	17.18	51.79	68.20	-16.41	PK
V	5850.00	35.43	17.18	52.61	68.20	-15.59	PK
Mode:		802.11ax(HE20)		Frequency:		5825MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	25.47	17.18	42.65	54.00	-11.35	AV
V	5850.00	25.22	17.18	42.40	54.00	-11.60	AV

Mode:		802.11n(HT40)		Frequency:		5755MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	33.70	17.18	50.88	68.20	-17.32	PK
V	5725.00	33.37	17.18	50.55	68.20	-17.65	PK
Mode:		802.11n(HT40)		Frequency:		5755MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	24.23	17.18	41.41	54.00	-12.59	AV
V	5725.00	24.28	17.18	41.46	54.00	-12.54	AV
Mode:		802.11n(HT40)		Frequency:		5795MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	32.23	17.18	49.41	68.20	-18.79	PK
V	5850.00	33.95	17.18	51.13	68.20	-17.07	PK
Mode:		802.11n(HT40)		Frequency:		5795MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	23.79	17.18	40.97	54.00	-13.03	AV
V	5850.00	26.71	17.18	43.89	54.00	-10.11	AV

Mode:		802.11ac(VHT40)		Frequency:		5755MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	31.32	17.18	48.50	68.20	-19.70	PK
V	5725.00	36.26	17.18	53.44	68.20	-14.76	PK
Mode:		802.11ac(VHT40)		Frequency:		5755MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	25.13	17.18	42.31	54.00	-11.69	AV
V	5725.00	23.37	17.18	40.55	54.00	-13.45	AV
Mode:		802.11ac(VHT40)		Frequency:		5795MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	32.67	17.18	49.85	68.20	-18.35	PK
V	5850.00	34.58	17.18	51.76	68.20	-16.44	PK
Mode:		802.11ac(VHT40)		Frequency:		5795MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	22.71	17.18	39.89	54.00	-14.11	AV
V	5850.00	23.61	17.18	40.79	54.00	-13.21	AV

Mode:		802.11ax(HE40)		Frequency:		5755MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	33.79	17.18	50.97	68.20	-17.23	PK
V	5725.00	35.79	17.18	52.97	68.20	-15.23	PK
Mode:		802.11ax(HE40)		Frequency:		5755MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	24.23	17.18	41.41	54.00	-12.59	AV
V	5725.00	23.47	17.18	40.65	54.00	-13.35	AV
Mode:		802.11ax(HE40)		Frequency:		5795MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	34.03	17.18	51.21	68.20	-16.99	PK
V	5850.00	33.58	17.18	50.76	68.20	-17.44	PK
Mode:		802.11ax(HE40)		Frequency:		5795MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	24.96	17.18	42.14	54.00	-11.86	AV
V	5850.00	27.12	17.18	44.30	54.00	-9.70	AV

Mode:		802.11ax(HE80)		Frequency:		5775MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	33.63	17.18	50.81	68.20	-17.39	PK
V	5725.00	32.66	17.18	49.84	68.20	-18.36	PK
Mode:		802.11ax(HE80)		Frequency:		5775MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	25.32	17.18	42.50	54.00	-11.50	AV
V	5725.00	25.45	17.18	42.63	54.00	-11.37	AV
Mode:		802.11ax(HE80)		Frequency:		5775MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	34.85	17.18	52.03	68.20	-16.17	PK
V	5850.00	35.74	17.18	52.92	68.20	-15.28	PK
Mode:		802.11ax(HE80)		Frequency:		5775MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	24.55	17.18	41.73	54.00	-12.27	AV
V	5850.00	26.50	17.18	43.68	54.00	-10.32	AV

Mode:		802.11ac(VHT80)		Frequency:		5775MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	32.64	17.18	49.82	68.20	-18.38	PK
V	5725.00	33.52	17.18	50.70	68.20	-17.50	PK
Mode:		802.11ac(VHT80)		Frequency:		5775MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5725.00	24.35	17.18	41.53	54.00	-12.47	AV
V	5725.00	23.93	17.18	41.11	54.00	-12.89	AV
Mode:		802.11ac(VHT80)		Frequency:		5775MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	33.52	17.18	50.70	68.20	-17.50	PK
V	5850.00	33.91	17.18	51.09	68.20	-17.11	PK
Mode:		802.11ac(VHT80)		Frequency:		5775MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	23.48	17.18	40.66	54.00	-13.34	AV
V	5850.00	26.95	17.18	44.13	54.00	-9.87	AV

9 DYNAMIC FREQUENCY SELECTION (SLAVE)

9.1 LIMITS

(1) DFS Detection Thresholds

Table 3: DFS Detection Thresholds for Master Devices and Client Devices With Radar Detection

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

(2) DFS Response Requirements

Table 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 facilitating 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.



9.2 APPLICABILITY OF DFS REQUIREMENTS

A U-NII network will employ a DFS function to detect signals from radar systems and to avoid co-channel operation with these systems. This applies to the 5250-5350 MHz and/or 5470-5725 MHz bands.

Within the context of the operation of the DFS function, a U-NII device will operate in either Master Mode or Client Mode. U-NII devices operating in Client Mode can only operate in a network controlled by a U-NII device operating in Master Mode.

Table 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 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 and Statistical Performance Check	All BW modes must be tested	Not required

Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required

Note: Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.



9.3 PARAMETERS OF RADAR TEST WAVEFORMS

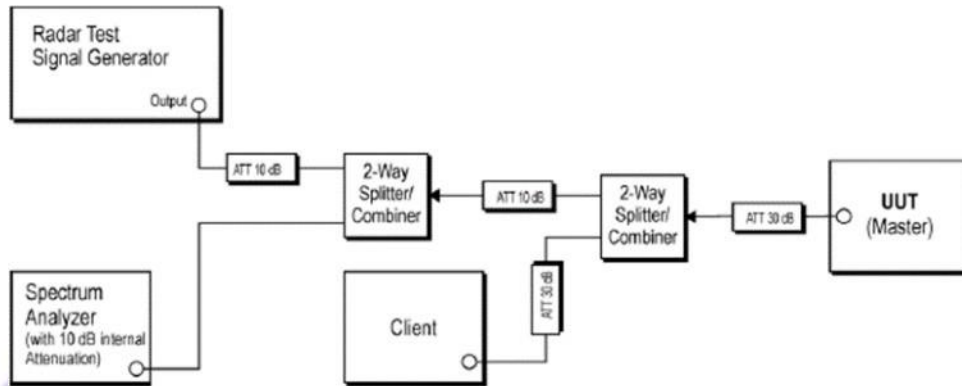
This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for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

Table 5 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	Roundup $\left\{ \left(\frac{1}{360} \right)^* \right\}$	60%	30
		Test B			
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.					
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					

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B. Test aggregate is average of the percentage of successful detections of short pulse radar types 1-4.

9.4 TEST SETUP



9.5 TEST RESULTS

Both the Master and Client device

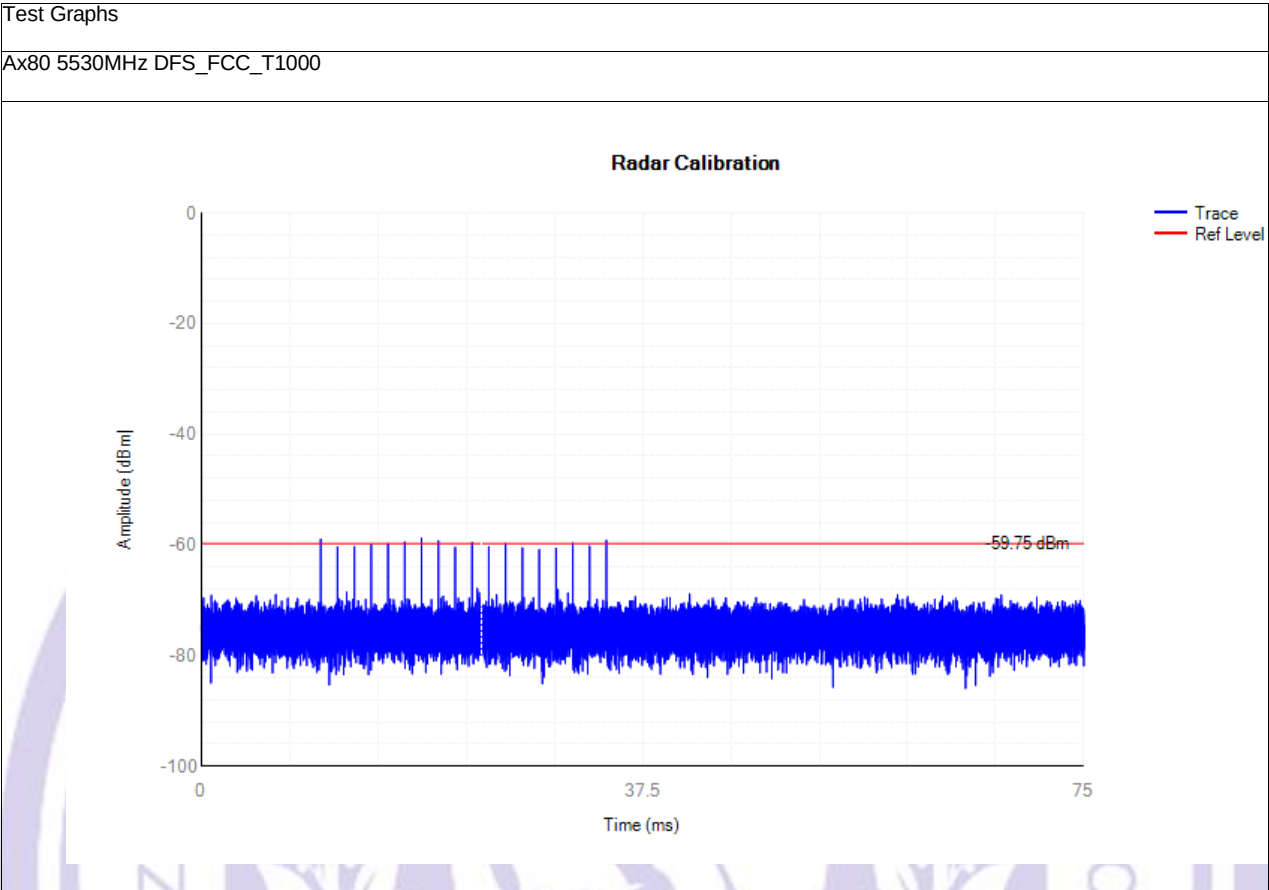
were set to 802.11ax / MCS0x1 with 80 MHz channel bandwidth to ensure a stable channel loading. KDB 905462 D02 v02 UNII DFS Compliance Procedures states in 80 MHz for 802.11ax mode.

Test Frequency and channel for 802.11ax 80:

Transmit / Receive Channels Tested at 80 MHz Bandwidth setting:	
Channel	Frequency (MHz)
106	5530

Calibration

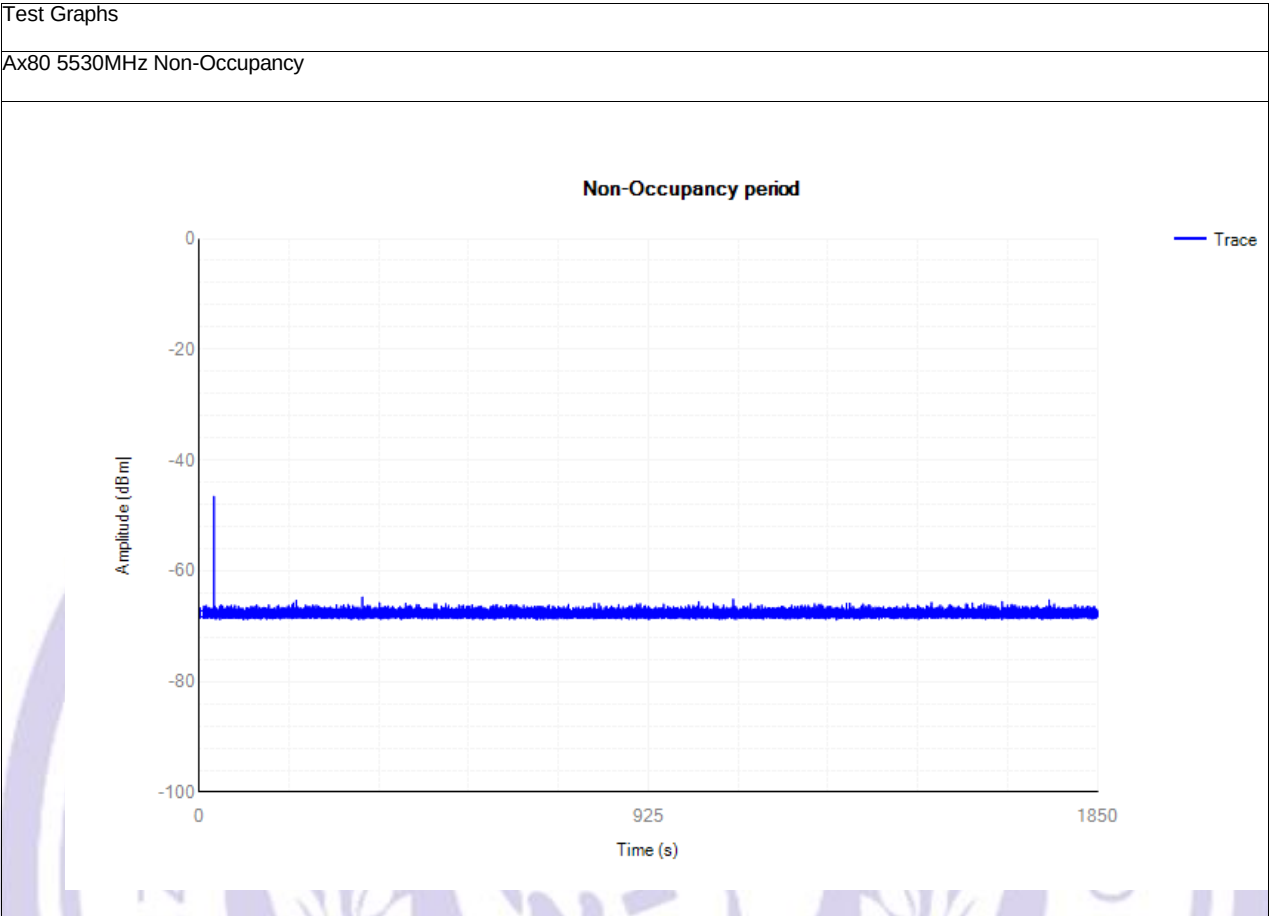
Mode	Frequency (MHz)	Type	Result	Verdict
Ax80	5530	DFS_FCC_T1000	See test Graph	Pass



Non-Occupancy Period

Mode	Frequency (MHz)	Result	Verdict
Ax80	5530	See test Graph	Pass





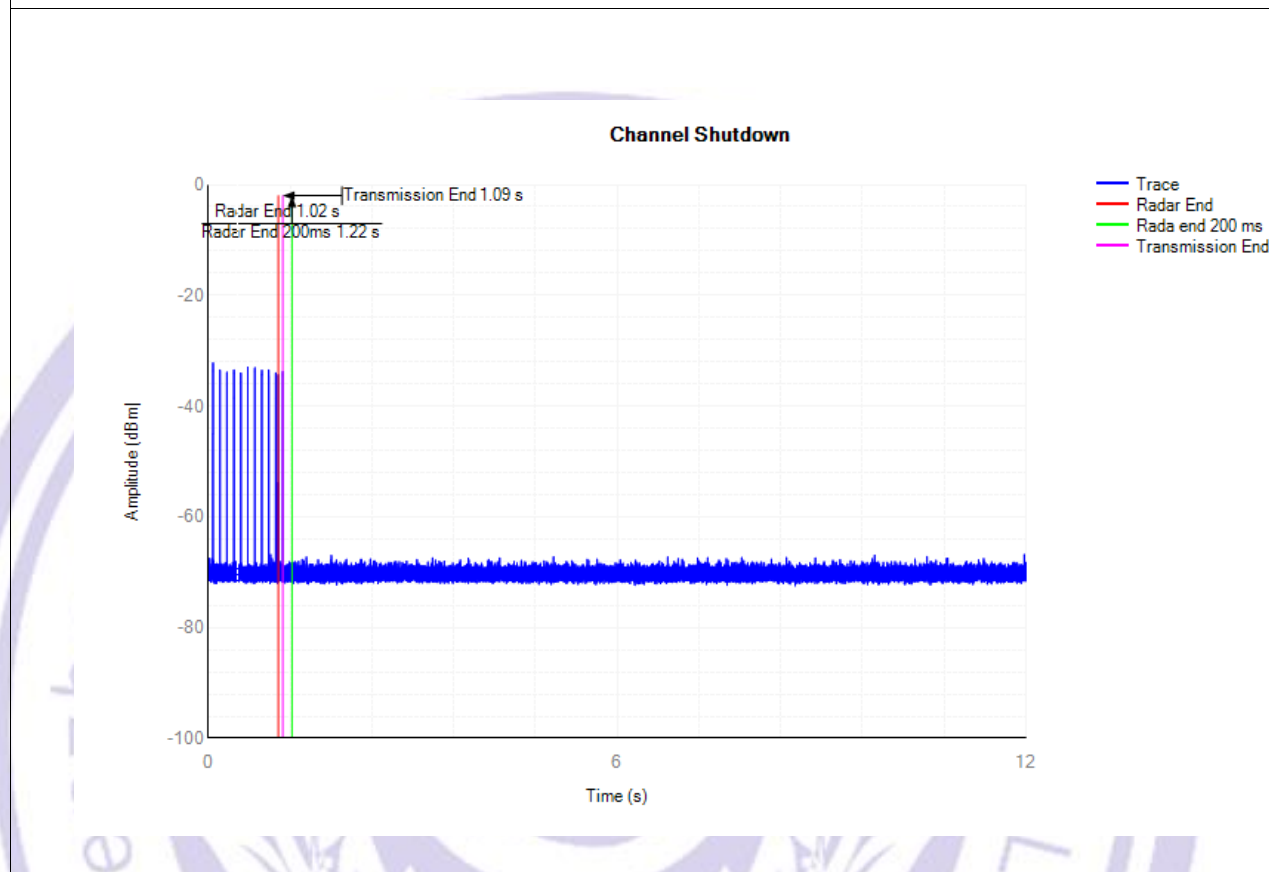
Shutdown Time

Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
Ax80	5530	0.0649	10	0.0008	0.26	0	0.06	Pass



Test Graphs

Ax80 5530MHz Shutdown



10 Antenna Requirement

10.1 Test Standard and Requirement

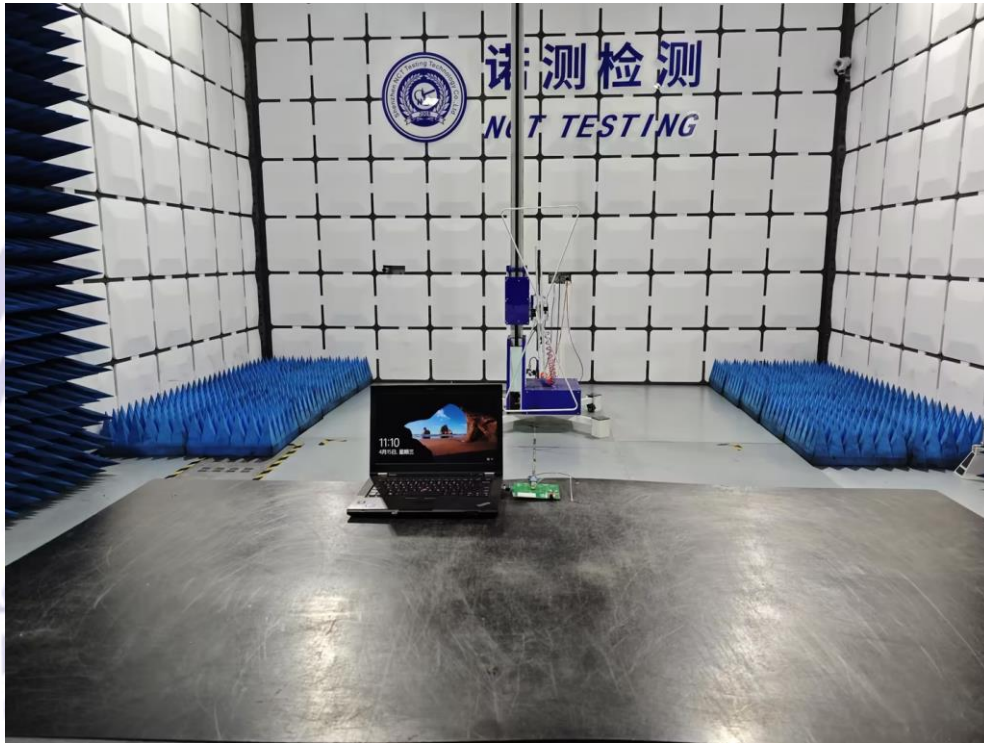
Test Standard	FCC Part15 Section 15.203
Requirement	1) 15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. According to RSS-GEN section 6.8 The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list. For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below). When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer. The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested.

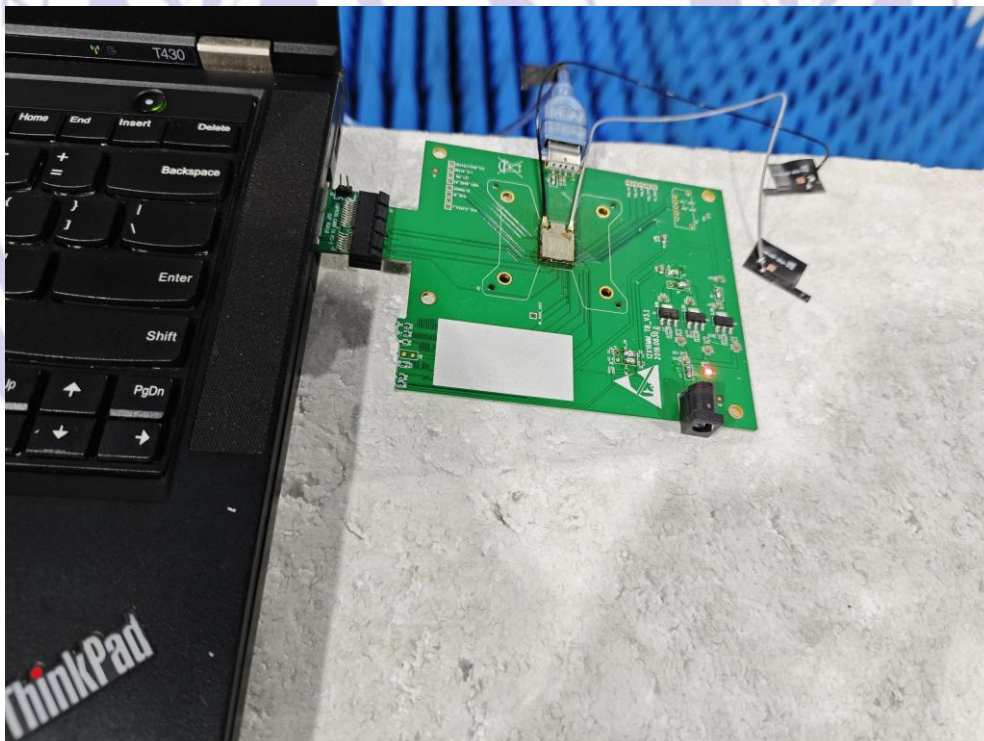
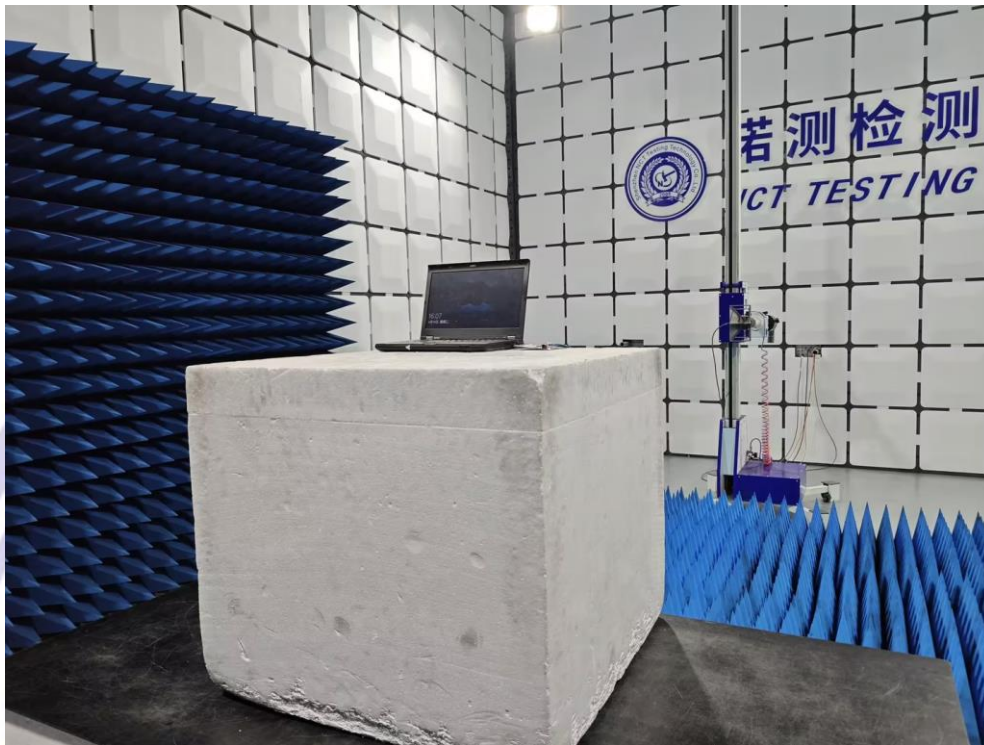
10.2 Antenna Connected Construction

The antenna is FPC antenna. The antenna ant1 has an antenna gain of 4.25 dBi under the best conditions, while the antenna ant2 has an antenna gain of 4.48 dBi under the best conditions, for 5180~5240MHz, 5260~5320MHz, 5500~5700MHz, 5745~5825MHz.

11 TEST SETUP & EUT PHOTOGRAPH

11.1 Photos of Radiated emission





11.2 Photos of Conducted Emission test



12 Photos of EUT

Please refer to the report NCT26016496XE1-1.

----- End of Report -----

