

TEST REPORT

Product	: BE5100 Dual-Band Wi-Fi 7 Router(2.5GE)
Trade mark	: Tenda
Model/Type reference	: RE6L Pro, TE6L Pro
Serial Number	: N/A
Report Number	: EED32Q81740602
FCC ID	: V7TRE6LP
Date of Issue	: Dec. 19, 2024
Test Standards	: 47 CFR Part 15 Subpart E
Test result	: PASS

Prepared for:

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6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District,
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Prepared by:

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Dec. 19, 2024

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Check No.:2551301024



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2 Version

Version No.	Date	Description
00	Dec. 19, 2024	Original

3 Test Summary

Test Item	Test Requirement	Result
Antenna Requirement	47 CFR Part 15 Subpart C Section 15.203	PASS
AC Power Line Conducted Emission	47 CFR Part 15 Subpart E Section 15.407 (b)(6)	PASS
Duty Cycle	47 CFR Part 15 Subpart E Section 15.407	PASS
Maximum Conducted Output Power	47 CFR Part 15 Subpart E Section 15.407 (a)	PASS
26dB emission bandwidth	47 CFR Part 15 Subpart E Section 15.407 (a)	PASS
99% Occupied bandwidth	\	PASS
6dB emission bandwidth	47 CFR Part 15 Subpart E Section 15.407 (e)	PASS
Maximum Power Spectral Density	47 CFR Part 15 Subpart E Section 15.407 (a)	PASS
Frequency stability	47 CFR Part 15 Subpart E Section 15.407 (g)	PASS
Radiated Emissions	47 CFR Part 15 Subpart E Section 15.407 (b)	PASS
Radiated Emissions which fall in the restricted bands	47 CFR Part 15 Subpart E Section 15.407 (b)	PASS

Remark:

Company Name and Address shown on Report, the sample(s) and sample Information were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.

Model No.: RE6L Pro,TE6L Pro

Only the model RE6L Pro was tested. Their electrical circuit design, layout, components used and internal wiring are identical. Only the Model is different.

4 General Information

4.1 Client Information

Applicant:	SHENZHEN TENDA TECHNOLOGY CO., LTD.
Address of Applicant:	6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052
Manufacturer:	SHENZHEN TENDA TECHNOLOGY CO., LTD.
Address of Manufacturer:	6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052

4.2 General Description of EUT

Product Name:	BE5100 Dual-Band Wi-Fi 7 Router(2.5GE)	
Model No.(EUT):	RE6L Pro,TE6L Pro	
Test Mode No.:	RE6L Pro	
Trade mark:	Tenda	
Type of Modulation:	IEEE 802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM) IEEE 802.11n(HT20/HT40): OFDM (BPSK, QPSK, 16QAM, 64QAM) IEEE 802.11ac(VHT20/VHT40/VHT80/VHT160): OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) IEEE 802.11ax(HE20/HE40/HE80/HE160): OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM) IEEE 802.11be(EHT20/EHT40/EHT80/EHT160): OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM) (Resource Unit with subcarriers:Full RU)	
Operating Frequency	U-NII-1: 5150-5250MHz, U-NII-2A: 5250-5350MHz, U-NII-3: 5745-5825MHz	
Operating Temperature:	0°C to +40°C (Manufacturer stated range)	
Sample Type:	Fixed production	
Test Power Grade:	Default(manufacturer declare)	
Test Software of EUT:	QATool_Dbg.exe(manufacturer declare)	
Antenna Configuration	<input checked="" type="checkbox"/> Single Transmitting (1T1R); <input checked="" type="checkbox"/> MIMO (<input type="checkbox"/> 2T2R, <input checked="" type="checkbox"/> 3T3R, <input type="checkbox"/> 4T4R, <input type="checkbox"/> Other);	
Antenna Type:	<input type="checkbox"/> Internal Antenna <input type="checkbox"/> PCB Antenna <input type="checkbox"/> Ceramic Antenna <input checked="" type="checkbox"/> External Antenna <input type="checkbox"/> Loop Antenna <input type="checkbox"/> Other:	
Antenna Gain:	5G CON3: 6.52dBi, 5G CON4: 6.52dBi, 5G CON5: 6.52dBi, Beamforming gain: 4.50dBi	
Power Supply:	Adapter:	Model:TEKA-TC120150US Input:100-240V~50/60Hz,0.5A MAX Output:12.0V,1.5A
Test voltage:	DC 12.0V	
Sample Received Date:	Oct. 30, 2024	

Sample tested Date:	Oct. 30, 2024 to Dec. 10, 2024
---------------------	--------------------------------

Operation Frequency each of channel

802.11a/802.11n/802.11ac/802.11ax/802.11be (20MHz) Frequency/Channel Operations:

U-NII-1		U-NII-2A		U-NII-3	
Channel	Frequency(MHz)	Channel	Frequency(MHz)	Channel	Frequency(MHz)
36	5180	52	5260	149	5745
40	5200	56	5280	153	5765
44	5220	60	5300	157	5785
48	5240	64	5320	161	5805
-	-	-	-	165	5825
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

802.11n/802.11ac/802.11ax/802.11be (40MHz) Frequency/Channel Operations:

U-NII-1		U-NII-2A		U-NII-3	
Channel	Frequency(MHz)	Channel	Frequency(MHz)	Channel	Frequency(MHz)
38	5190	54	5270	151	5755
46	5230	62	5310	159	5795
-	-	-	-	-	-
-	-	-	-	-	-

802.11ac/802.11ax/802.11be (80MHz) Frequency/Channel Operations:

U-NII-1		U-NII-2A		U-NII-3	
Channel	Frequency(MHz)	Channel	Frequency(MHz)	Channel	Frequency(MHz)
42	5210	58	5290	155	5775
-	-	-	-	-	-

802.11ac/802.11ax/802.11be (160MHz) Frequency/Channel Operations:

U-NII-1&U-NII-2A	
Channel	Frequency(MHz)
50	5250

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Test Configuration

EUT Test Software Settings:	
Test Power Grade:	Default(manufacturer declare)
Test Software of EUT:	QATool_Dbg.exe(manufacturer declare)
Use test software to set the lowest frequency, the middle frequency and the highest frequency keep transmitting of the EUT.	
Test Mode:	
We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:	
Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.	
Mode	Data rate
802.11a	6 Mbps
802.11n(HT20)	MCS0
802.11n(HT40)	MCS0
802.11ac(VHT20)	MCS0
802.11ac(VHT40)	MCS0
802.11ac(VHT80)	MCS0
802.11ac(VHT160)	MCS0
802.11ax(HE20)	MCS0
802.11ax(HE40)	MCS0
802.11ax(HE80)	MCS0
802.11ax(HE160)	MCS0
802.11be(EHT20)	MCS0
802.11be(EHT40)	MCS0
802.11be(EHT80)	MCS0
802.11be(EHT160)	MCS0

4.3 Test Environment

Operating Environment:		
Radiated Spurious Emissions:		
Temperature:	22~25.0 °C	
Humidity:	50~55 % RH	
Atmospheric Pressure:	1010mbar	
Conducted Emissions:		
Temperature:	22~25.0 °C	
Humidity:	50~55 % RH	
Atmospheric Pressure:	1010mbar	
RF Conducted:		
Humidity:	50~55 % RH	
Atmospheric Pressure:	1010mbar	
Temperature:	NT (Normal Temperature)	22~25.0 °C
	LT (Low Temperature)	0 °C
	HT (High Temperature)	40.0 °C
Working Voltage of the EUT:	NV (Normal Voltage)	DC 12.0V
	LV (Low Voltage)	DC 10.8V
	HV (High Voltage)	DC 13.2V

4.4 Description of Support Units

The EUT has been tested with associated equipment below.

1) support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
Netbook	Asus	FL8700JP1065-0D8GXYQ2X10	FCC&CE	CTI
Netbook	HP	DESKTOP-H31GDCQ	FCC&CE	CTI

4.5 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

4.6 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9×10^{-8}
2	RF power, conducted	0.46dB (30MHz-1GHz)
		0.55dB (1GHz-40GHz)
3	Radiated Spurious emission test	3.3dB (9kHz-30MHz)
		4.5dB (30MHz-1GHz)
		4.8dB (1GHz-18GHz)
		3.4dB (18GHz-40GHz)
		3.5dB (9kHz to 150kHz)
4	Conduction emission	3.1dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%

5 Equipment List

RF test system					
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Spectrum Analyzer	Keysight	N9010A	MY54510339	12-14-2023	12-13-2024
				12-05-2024	12-04-2025
Signal Generator	Keysight	N5182B	MY53051549	12-11-2023	12-10-2024
				11-30-2024	11-29-2025
DC Power	Keysight	E3642A	MY56376072	12-11-2023	12-10-2024
				11-30-2024	11-29-2025
Communication test set	R&S	CMW500	169004	03-08-2024	03-07-2025
RF control unit(power unit)	JS Tonscend	JS0806-2	22G8060592	07-22-2024	07-21-2025
Wi-Fi 7GHz Band Extender	JS Tonscend	TS-WF7U2	2206200002	05-31-2024	05-30-2025
High-low temperature test chamber	Dong Guang Qin Zhuo	LK-80GA	QZ20150611879	12-11-2023 11-30-2024	12-10-2024 11-29-2025
Temperature/Humidity Indicator	biaozhi	HM10	1804186	05-29-2024	05-28-2025
BT&WI-FI Automatic test software	JS Tonscend	JS1120-3	V3.3.20	---	---
Spectrum Analyzer	R&S	FSV3044	101509	01-17-2024	01-16-2025

Conducted disturbance Test					
Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Receiver	R&S	ESCI	100435	04-18-2024	04-17-2025
Temperature/ Humidity Indicator	Defu	TH128	/	04-25-2024	04-24-2025
LISN	R&S	ENV216	100098	09-19-2024	09-18-2025
Barometer	changchun	DYM3	1188	---	---
Test software	Fara	EZ-EMC	EMC-CON 3A1.1	---	---
Capacitive voltage probe	Schwarzbeck	CVP 9222C	00124	06-18-2024	06-17-2025
ISN	TESEQ	ISN T800	30297	12-14-2023 12-05-2024	12-13-2024 12-04-2025

3M Semi-anechoic Chamber (2)- Radiated disturbance Test					
Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
3M Chamber & Accessory Equipment	TDK	SAC-3	---	05/22/2022	05/21/2025
Receiver	R&S	ESCI7	100938-003	09/07/2024	09/06/2025
Spectrum Analyzer	R&S	FSV40	101200	07/18/2024	07/17/2025
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	9163-618	05/22/2022	05/21/2025
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04/16/2024	04/15/2025
Microwave Preamplifier	Tonscend	EMC051845SE	980380	12/14/2023 12/05/2024	12/13/2024 12/04/2025
Horn Antenna	A.H.SYSTEMS	SAS-574	374	07/02/2023	07/01/2026
Horn Antenna	ETS-LINGREN	BBHA 9120D	9120D-1869	04/16/2024	04/15/2025
Preamplifier	Agilent	11909A	12-1	03/22/2024	03/21/2025
Preamplifier	CD	PAP-1840-60	6041.6042	06/19/2024	06/18/2025
Test software	Fara	EZ-EMC	EMEC-3A1-Pre	---	---
Cable line	Fulai(7M)	SF106	5219/6A	---	---
Cable line	Fulai(6M)	SF106	5220/6A	---	---
Cable line	Fulai(3M)	SF106	5216/6A	---	---
Cable line	Fulai(3M)	SF106	5217/6A	---	---

3M full-anechoic Chamber					
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Fully Anechoic Chamber	TDK	FAC-3	---	01-09-2024	01-08-2027
Receiver	Keysight	N9038A	MY57290136	01-09-2024	01-08-2025
Spectrum Analyzer	Keysight	N9020B	MY57111112	01-29-2024	01-28-2025
Spectrum Analyzer	Keysight	N9030B	MY57140871	01-23-2024	01-22-2025
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-28-2024	04-27-2025
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-16-2024	04-15-2025
Horn Antenna	ETS-LINDGREN	3117	57407	07-03-2024	07-02-2025
Preamplifier	EMCI	EMC001330	980563	03-08-2024	03-07-2025
Preamplifier	Tonscend	TAP-011858	AP21B806112	07-18-2024	07-17-2025
Preamplifier	Tonscend	EMC051845SE	980380	12-14-2023 12-05-2024	12-13-2024 12-04-2025
Temperature/Humidity Indicator	biaozhi	GM1360	EE1186631	04-07-2024	04-06-2025
RSE Automatic test software	JS Tonscend	JS36-RSE	V4.0.0.0	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0001		---
Cable line	Times	SFT205-NMSM-2.50M	394812-0002	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0003	---	---
Cable line	Times	SFT205-NMSM-2.50M	393495-0001	---	---
Cable line	Times	EMC104-NMNM-1000	SN160710	---	---
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	---	---
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	---	---
Cable line	Times	SFT205-NMSM-7.00M	394815-0001	---	---
Cable line	Times	HF160-KMKM-3.00M	393493-0001	---	---

6 Radio Technical Requirements Specification

6.1 Antenna Requirement

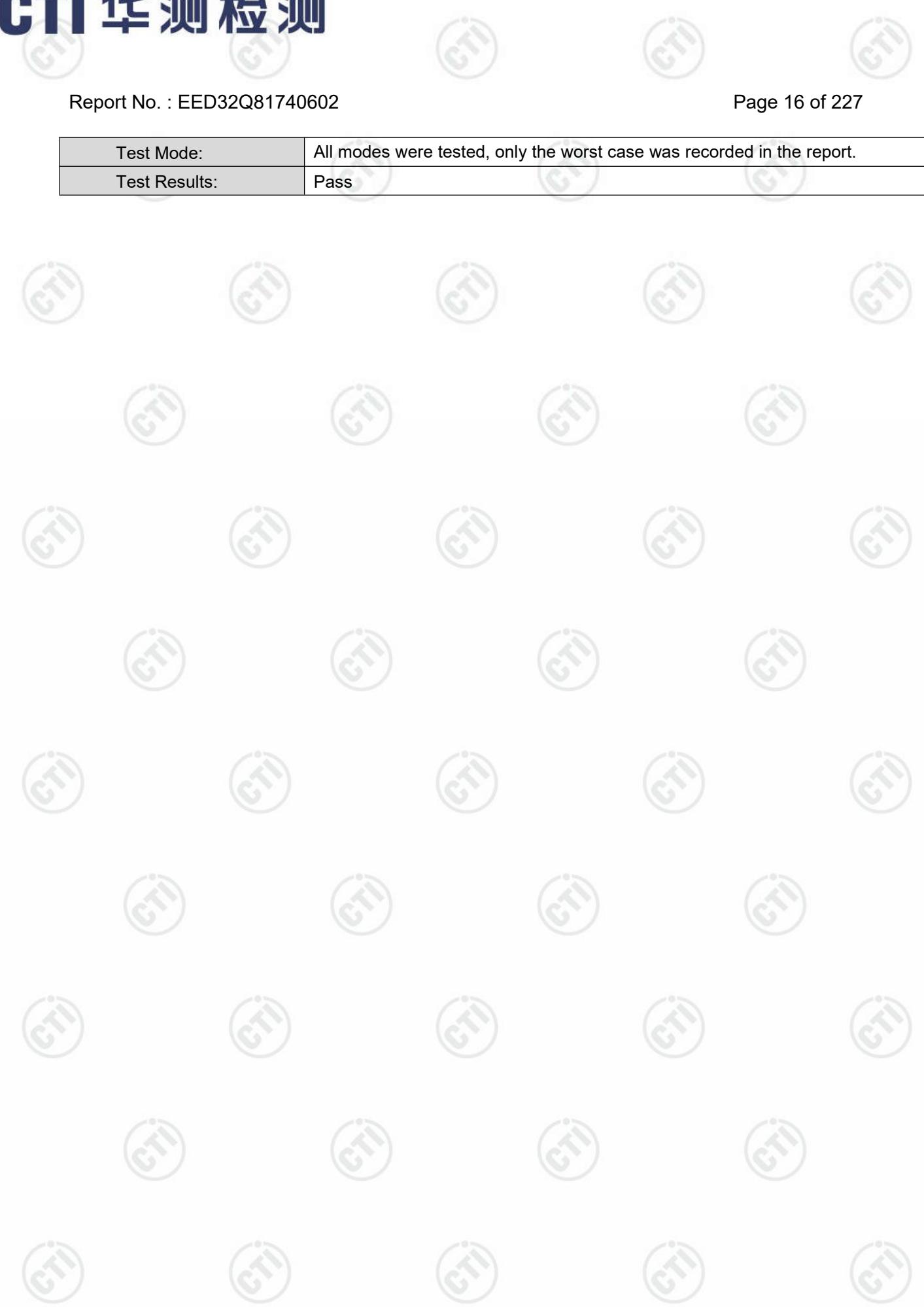
Standard requirement:	47 CFR Part 15C Section 15.203
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique 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.	
EUT Antenna:	Please see Internal photos
The antenna is External Antenna. The best case gain of the antenna are 5G CON3: 6.52dBi, 5G CON4: 6.52dBi, 5G CON5: 6.52dBi, Beamforming gain: 4.50dBi	

6.2 AC Power Line Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207		
Test Method:	ANSI C63.10: 2013		
Test Frequency Range:	150kHz to 30MHz		
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto		
Limit:	Frequency range (MHz)	Limit (dBuV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50

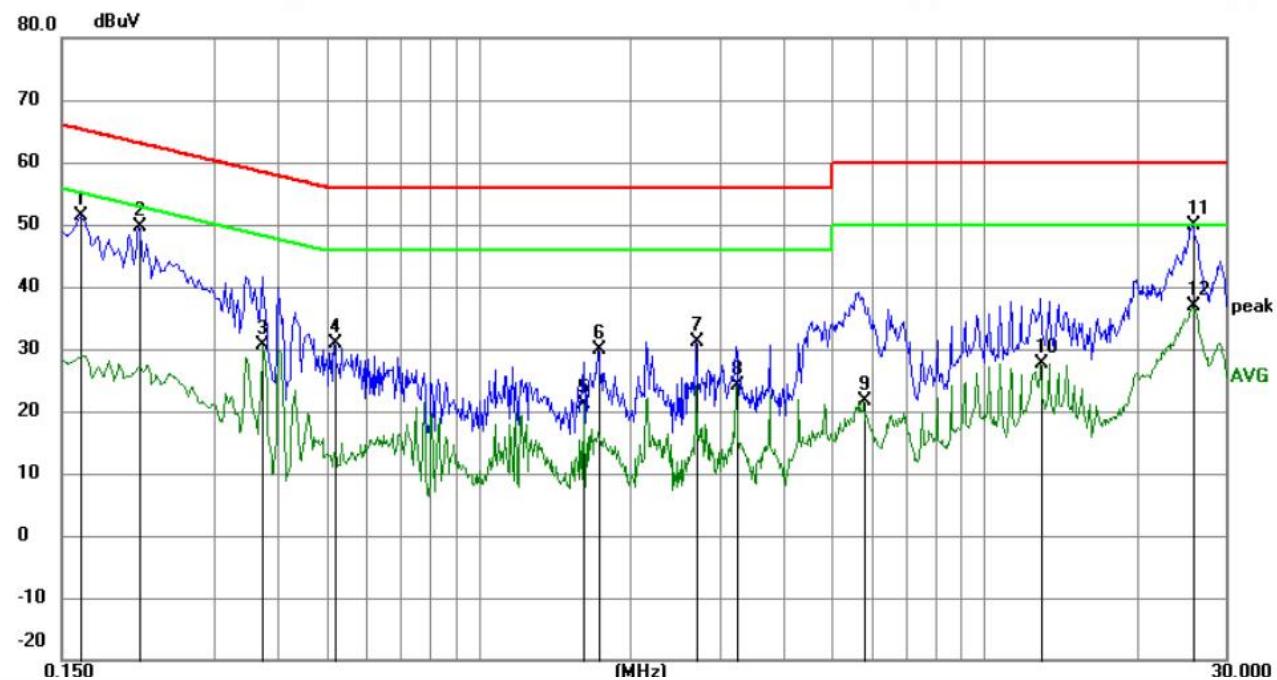
* Decreases with the logarithm of the frequency.

Test Mode:	All modes were tested, only the worst case was recorded in the report.
Test Results:	Pass



Measurement Data

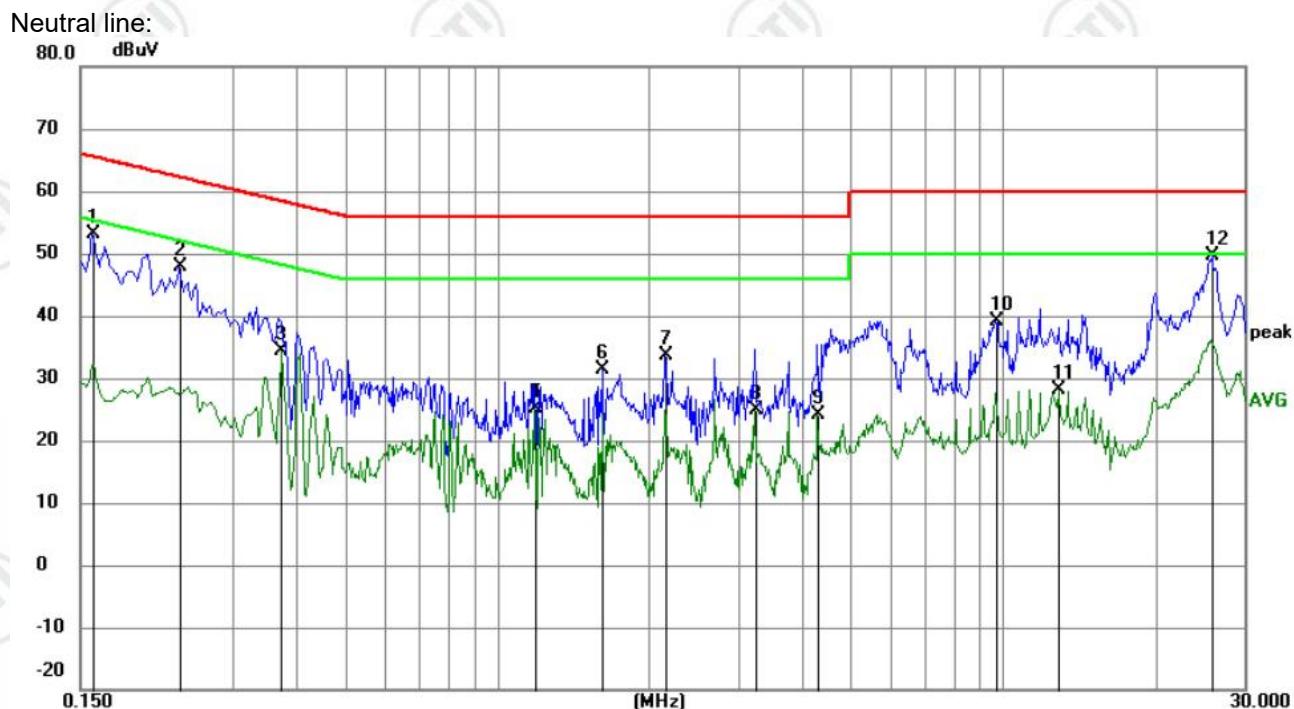
Live line:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1635	41.63	9.85	51.48	65.28	-13.80	QP	
2		0.2130	39.87	9.83	49.70	63.09	-13.39	QP	
3		0.3750	20.81	9.73	30.54	48.39	-17.85	AVG	
4		0.5190	21.19	9.74	30.93	56.00	-25.07	QP	
5		1.6170	11.35	9.75	21.10	46.00	-24.90	AVG	
6		1.7340	20.22	9.75	29.97	56.00	-26.03	QP	
7		2.6925	21.35	9.77	31.12	56.00	-24.88	QP	
8		3.2325	14.30	9.79	24.09	46.00	-21.91	AVG	
9		5.7795	11.82	9.84	21.66	50.00	-28.34	AVG	
10		12.9210	17.90	9.84	27.74	50.00	-22.26	AVG	
11	*	25.7775	40.03	9.90	49.93	60.00	-10.07	QP	
12		25.7775	26.95	9.90	36.85	50.00	-13.15	AVG	

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

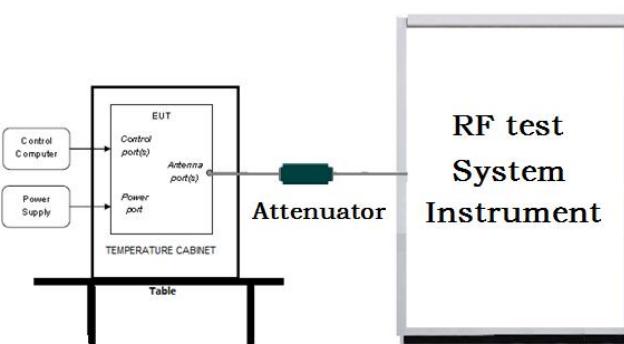


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV	dB			
1		0.1590	43.36	9.85	53.21	65.52	-12.31	QP	
2		0.2355	38.15	9.75	47.90	62.25	-14.35	QP	
3		0.3750	24.73	9.73	34.46	48.39	-13.93	AVG	
4		1.1849	15.45	9.74	25.19	46.00	-20.81	AVG	
5		1.1849	15.45	9.74	25.19	46.00	-20.81	AVG	
6		1.6170	21.52	9.75	31.27	56.00	-24.73	QP	
7		2.1525	23.94	9.75	33.69	56.00	-22.31	QP	
8		3.2325	15.00	9.79	24.79	46.00	-21.21	AVG	
9		4.3080	14.25	9.82	24.07	46.00	-21.93	AVG	
10		9.6899	29.22	9.83	39.05	60.00	-20.95	QP	
11		12.9165	18.37	9.84	28.21	50.00	-21.79	AVG	
12	*	25.8675	39.74	9.89	49.63	60.00	-10.37	QP	

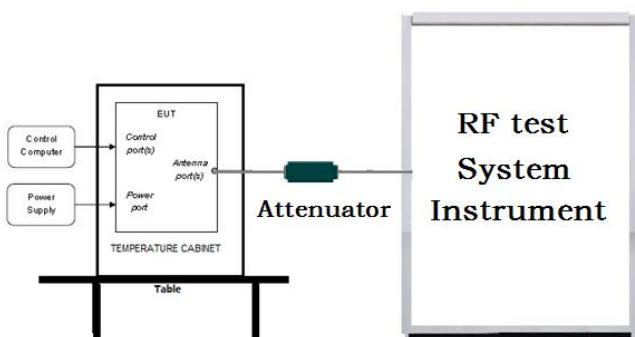
Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

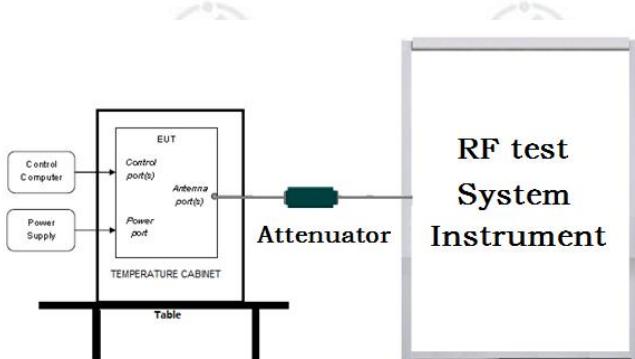
6.3 Maximum Conducted Output Power

Test Requirement:	47 CFR Part 15C Section 15.407 (a)													
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section E													
Test Setup:														
Test Procedure:	<ol style="list-style-type: none"> 1. The testing follows the Measurement Procedure of KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section E, 3, a 2. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Measure the conducted output power and record the results in the test report. 													
Limit:	<table border="1"> <thead> <tr> <th>Frequency band (MHz)</th> <th>Limit</th> </tr> </thead> <tbody> <tr> <td rowspan="2">5150-5250</td> <td>≤1W(30dBm) for master device</td> </tr> <tr> <td>≤250mW(24dBm) for client device</td> </tr> <tr> <td>5250-5350</td> <td>≤250mW(24dBm) or 11dBm+10logB*</td> </tr> <tr> <td>5470-5725</td> <td>≤250mW(24dBm) or 11dBm+10logB*</td> </tr> <tr> <td>5725-5850</td> <td>≤1W(30dBm)</td> </tr> <tr> <td>Remark:</td> <td>* Where B is the 26dB emission bandwidth in MHz The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.</td> </tr> </tbody> </table>	Frequency band (MHz)	Limit	5150-5250	≤1W(30dBm) for master device	≤250mW(24dBm) for client device	5250-5350	≤250mW(24dBm) or 11dBm+10logB*	5470-5725	≤250mW(24dBm) or 11dBm+10logB*	5725-5850	≤1W(30dBm)	Remark:	* Where B is the 26dB emission bandwidth in MHz The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.
Frequency band (MHz)	Limit													
5150-5250	≤1W(30dBm) for master device													
	≤250mW(24dBm) for client device													
5250-5350	≤250mW(24dBm) or 11dBm+10logB*													
5470-5725	≤250mW(24dBm) or 11dBm+10logB*													
5725-5850	≤1W(30dBm)													
Remark:	* Where B is the 26dB emission bandwidth in MHz The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.													
Test Mode:	Transmitting mode with modulation													
Test Results:	Refer to Appendix 5G Wi-Fi													

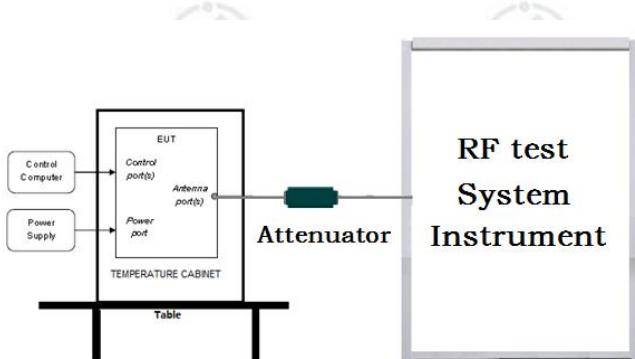
6.4 6dB Emission Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.407 (e)
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section C
Test Setup:	 <p>Remark: Offset=Cable loss+ attenuation factor.</p>
Test Procedure:	<ol style="list-style-type: none"> 1. KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section C 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. 4. Measure and record the results in the test report.
Limit:	≥ 500 kHz
Test Mode:	Transmitting mode with modulation
Test Results:	Refer to Appendix 5G Wi-Fi

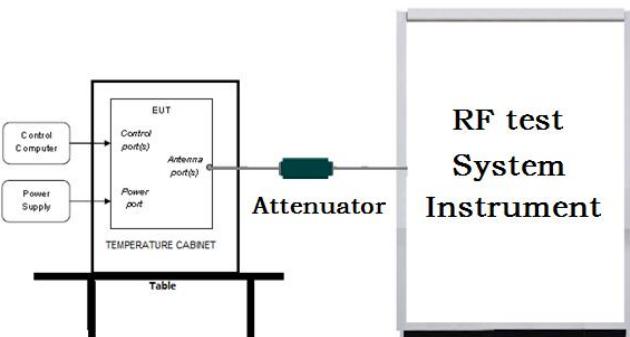
6.5 26dB Emission Bandwidth and 99% Occupied Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.407 (a)
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section D
Test Setup:	 <p>Remark: Offset=Cable loss+ attenuation factor.</p>
Test Procedure:	<ol style="list-style-type: none"> 1. KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section D 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. 4. Measure and record the results in the test report.
Limit:	No restriction limits
Test Mode:	Transmitting mode with modulation
Test Results:	Refer to Appendix 5G Wi-Fi

6.6 Maximum Power Spectral Density

Test Requirement:	47 CFR Part 15C Section 15.407 (a)												
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section F												
Test Setup:	 <p>Remark: Offset=Cable loss+ attenuation factor.</p>												
Test Procedure:	<ol style="list-style-type: none"> Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth. 1. Set RBW = 510 kHz/1 MHz, VBW $\geq 3 \times$ RBW, Sweep time = Auto, Detector = RMS. Allow the sweeps to continue until the trace stabilizes. Use the peak marker function to determine the maximum amplitude level. 												
Limit:	<table border="1"> <thead> <tr> <th>Frequency band (MHz)</th> <th>Limit</th> </tr> </thead> <tbody> <tr> <td>5150-5250</td> <td> $\leq 17\text{dBm}$ in 1MHz for master device $\leq 11\text{dBm}$ in 1MHz for client device </td> </tr> <tr> <td>5250-5350</td> <td>$\leq 11\text{dBm}$ in 1MHz for client device</td> </tr> <tr> <td>5470-5725</td> <td>$\leq 11\text{dBm}$ in 1MHz for client device</td> </tr> <tr> <td>5725-5850</td> <td>$\leq 30\text{dBm}$ in 500kHz</td> </tr> <tr> <td>Remark:</td> <td>The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.</td> </tr> </tbody> </table>	Frequency band (MHz)	Limit	5150-5250	$\leq 17\text{dBm}$ in 1MHz for master device $\leq 11\text{dBm}$ in 1MHz for client device	5250-5350	$\leq 11\text{dBm}$ in 1MHz for client device	5470-5725	$\leq 11\text{dBm}$ in 1MHz for client device	5725-5850	$\leq 30\text{dBm}$ in 500kHz	Remark:	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.
Frequency band (MHz)	Limit												
5150-5250	$\leq 17\text{dBm}$ in 1MHz for master device $\leq 11\text{dBm}$ in 1MHz for client device												
5250-5350	$\leq 11\text{dBm}$ in 1MHz for client device												
5470-5725	$\leq 11\text{dBm}$ in 1MHz for client device												
5725-5850	$\leq 30\text{dBm}$ in 500kHz												
Remark:	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.												
Test Mode:	Transmitting mode with modulation												
Test Results:	Refer to Appendix 5G Wi-Fi												

6.7 Frequency Stability

Test Requirement:	47 CFR Part 15C Section 15.407 (g)
Test Method:	ANSI C63.10: 2013
Test Setup:	 <p>Remark: Offset=Cable loss+ attenuation factor.</p>
Test Procedure:	<ol style="list-style-type: none"> 1. The EUT was placed inside the environmental test chamber and powered by nominal AC/DC voltage. 2. Turn the EUT on and couple its output to a spectrum analyzer. 3. Turn the EUT off and set the chamber to the highest temperature specified. d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize. 4. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature. 5. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.
Limit:	The frequency tolerance shall be maintained within the band of operation frequency over a temperature variation of 0 degrees to 45 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.
Test Mode:	Transmitting mode with modulation
Test Results:	Refer to Appendix 5G Wi-Fi

6.8 Radiated Emission

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.407 (b)				
Test Method:	ANSI C63.10 2013				
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100 kHz	300kHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10kHz	Average
Limit:	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz-88MHz	100	40.0	Quasi-peak	3
	88MHz-216MHz	150	43.5	Quasi-peak	3
	216MHz-960MHz	200	46.0	Quasi-peak	3
	960MHz-1GHz	500	54.0	Quasi-peak	3
	Above 1GHz	500	54.0	Average	3
	*(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 in the 5.725-5.85 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. Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed				

	<p>the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.</p> <p>Note:</p> <p>(i) $EIRP = ((E^*d)^2) / 30$ where: • E is the field strength in V/m; • d is the measurement distance in meters; • EIRP is the equivalent isotropically radiated power in watts.</p> <p>(ii) Working in dB units, the above equation is equivalent to: $EIRP[dBm] = E[dB\mu V/m] + 20 \log(d[meters]) - 104.77$</p> <p>(iii) Or, if d is 3 meters: $EIRP[dBm] = E[dB\mu V/m] - 95.2$</p>
Test Setup:	

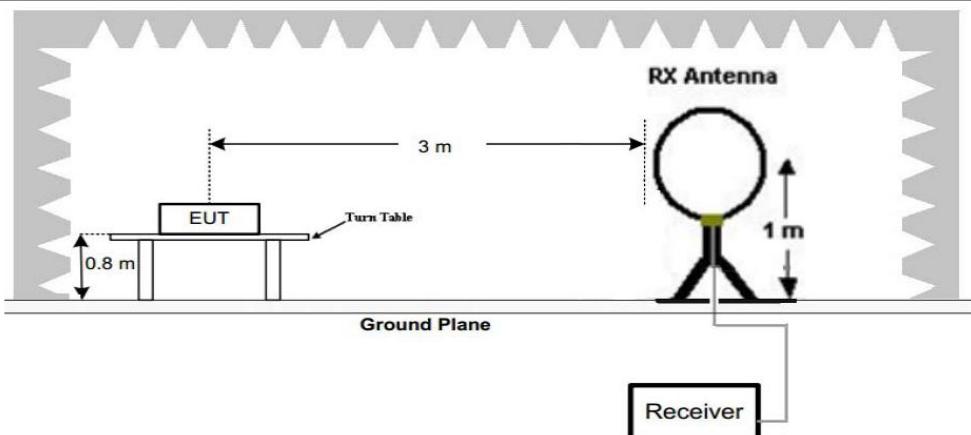


Figure 1. Below 30MHz

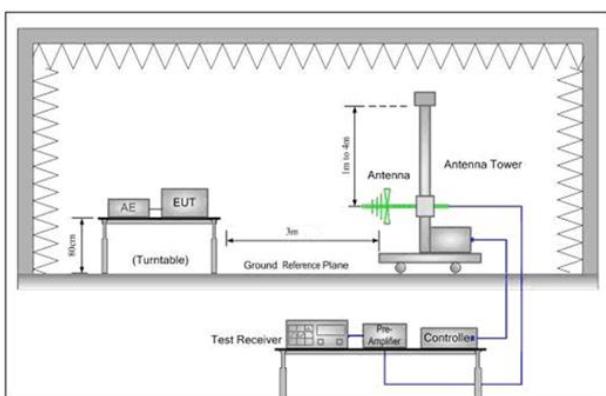


Figure 2. 30MHz to 1GHz

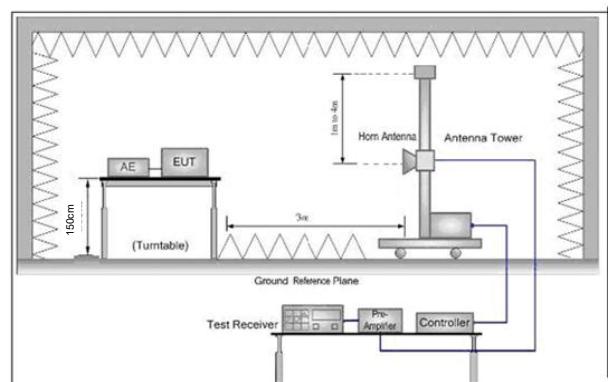


Figure 3. Above 1 GHz

Test Procedure:	<p>a. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>Note: For the radiated emission test above 1GHz:</p>
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	<p>Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.</p> <ul style="list-style-type: none"> b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. g. Test the EUT in the lowest channel, the middle channel and the highest channel h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case. i. Repeat above procedures until all frequencies measured was complete.
Test Mode:	Transmitting mode with modulation
Test Results:	Pass

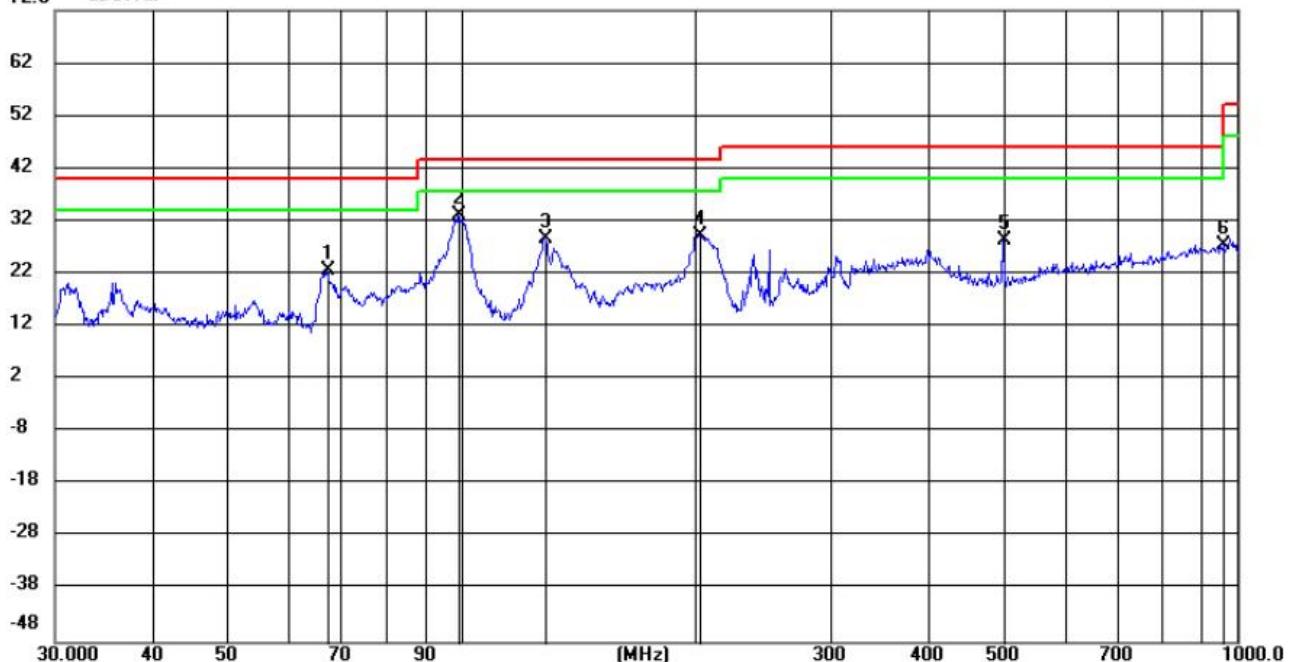
Radiated Spurious Emissions test Data: Radiated Emission below 1GHz

Remark: During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes, only the worst case middle channel of 6Mbps for 802.11a was recorded in the report.

Horizontal:

Test Graph

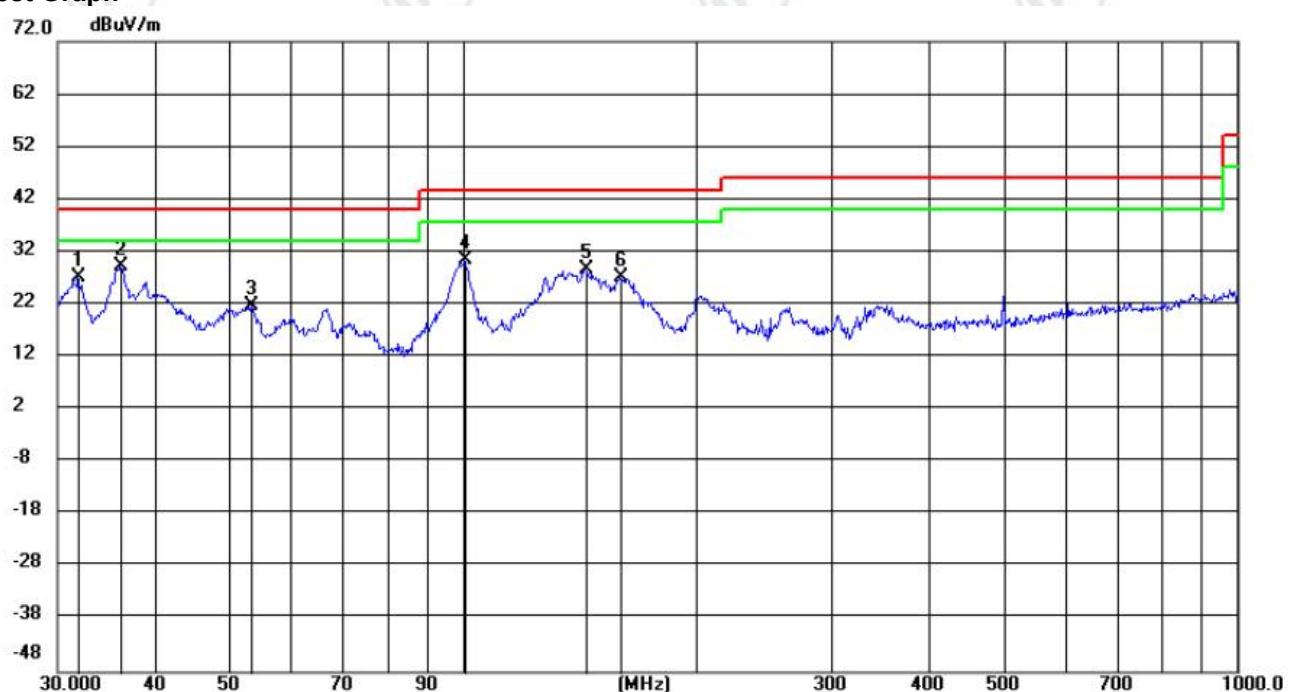
72.0 dBuV/m



No.	Mk.	Reading		Correct Factor	Measure- ment	Limit	Margin	Antenna Height	Table Degree	Comment
		Freq.	Level							
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	67.2375	11.65	11.14	22.79	40.00	-17.21	QP	200	140	
2 *	99.4932	19.94	13.09	33.03	43.50	-10.47	QP	200	299	
3	128.3602	18.61	10.19	28.80	43.50	-14.70	QP	200	108	
4	202.9170	16.82	12.49	29.31	43.50	-14.19	QP	100	312	
5	500.0380	8.46	19.84	28.30	46.00	-17.70	QP	200	310	
6	959.1305	1.28	26.26	27.54	46.00	-18.46	QP	100	227	

Vertical:

Test Graph



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table		
			Level	Factor	ment						
			MHz	dBuV	dB/m	dBuV/m	dB	Detector	cm	degree	Comment
1		31.8762	15.01	12.14	27.15	40.00	-12.85	QP	100	352	
2	*	36.2032	16.41	12.71	29.12	40.00	-10.88	QP	100	352	
3		53.3366	8.99	12.77	21.76	40.00	-18.24	QP	100	267	
4		100.8101	18.26	12.08	30.34	43.50	-13.16	QP	100	352	
5		144.1072	20.67	7.90	28.57	43.50	-14.93	QP	100	0	
6		159.8124	18.60	8.59	27.19	43.50	-16.31	QP	100	288	

Transmitter Emission above 1GHz

Remark: During the test, the Radiates Emission above 1G was performed in all modes, only the worst case ant1, ant2 and ant3 transmit simultaneously was recorded in the report.

MIMO:

Mode:			802.11 n(HT20) Transmitting			Channel:		5180MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1333.0933	10.02	37.31	47.33	68.20	20.87	PASS	Horizontal	PK
2	1947.3579	17.06	35.01	52.07	68.20	16.13	PASS	Horizontal	PK
3	2699.788	16.19	35.36	51.55	68.20	16.65	PASS	Horizontal	PK
4	8287.7644	-3.29	47.84	44.55	68.20	23.65	PASS	Horizontal	PK
5	11199.71	4.43	46.49	50.92	68.20	17.28	PASS	Horizontal	PK
6	15899.42	14.05	37.75	51.80	68.20	16.40	PASS	Horizontal	PK
7	1135.5254	9.88	38.36	48.24	68.20	19.96	PASS	Vertical	PK
8	1950.658	17.09	34.51	51.60	68.20	16.60	PASS	Vertical	PK
9	2536.7615	16.13	35.72	51.85	68.20	16.35	PASS	Vertical	PK
10	8288.3394	-3.28	49.06	45.78	68.20	22.42	PASS	Vertical	PK
11	11994.3997	5.88	45.87	51.75	68.20	16.45	PASS	Vertical	PK
12	15899.42	14.05	37.55	51.60	68.20	16.60	PASS	Vertical	PK

Mode:			802.11 n(HT20) Transmitting			Channel:		5200MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1165.4466	9.90	37.26	47.16	68.20	21.04	PASS	Horizontal	PK
2	1924.037	16.48	35.45	51.93	68.20	16.27	PASS	Horizontal	PK
3	3052.4621	17.30	34.75	52.05	68.20	16.15	PASS	Horizontal	PK
4	7589.1045	-3.52	47.90	44.38	68.20	23.82	PASS	Horizontal	PK
5	11246.2873	4.95	45.73	50.68	68.20	17.52	PASS	Horizontal	PK
6	14249.0875	12.54	38.38	50.92	68.20	17.28	PASS	Horizontal	PK
7	1139.2656	9.99	37.29	47.28	68.20	20.92	PASS	Vertical	PK
8	1948.4579	17.09	34.48	51.57	68.20	16.63	PASS	Vertical	PK
9	2418.1767	16.17	35.42	51.59	68.20	16.61	PASS	Vertical	PK
10	8319.966	-3.58	48.80	45.22	68.20	22.98	PASS	Vertical	PK
11	11976.5738	5.49	45.71	51.20	68.20	17.00	PASS	Vertical	PK
12	15895.9698	13.86	38.01	51.87	68.20	16.33	PASS	Vertical	PK

Mode:			802.11 n(HT20) Transmitting			Channel:		5240MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1129.3652	9.67	37.54	47.21	68.20	20.99	PASS	Horizontal	PK
2	1931.2973	16.67	34.91	51.58	68.20	16.62	PASS	Horizontal	PK
3	3054.2222	17.32	35.07	52.39	68.20	15.81	PASS	Horizontal	PK
4	8566.0783	-2.16	47.37	45.21	68.20	22.99	PASS	Horizontal	PK
5	11264.1132	4.29	46.46	50.75	68.20	17.45	PASS	Horizontal	PK
6	15887.3444	13.38	38.49	51.87	68.20	16.33	PASS	Horizontal	PK
7	1137.0655	9.92	37.81	47.73	68.20	20.47	PASS	Vertical	PK
8	1939.2176	16.86	34.62	51.48	68.20	16.72	PASS	Vertical	PK
9	3087.0035	17.83	34.05	51.88	68.20	16.32	PASS	Vertical	PK
10	8384.3692	-3.78	48.73	44.95	68.20	23.25	PASS	Vertical	PK
11	11982.3241	5.62	45.18	50.80	68.20	17.40	PASS	Vertical	PK
12	15897.6949	13.96	37.74	51.70	68.20	16.50	PASS	Vertical	PK

Mode:			802.11 n(HT40) Transmitting			Channel:		5190MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1138.8256	9.98	36.93	46.91	68.20	21.29	PASS	Horizontal	PK
2	1947.7979	17.08	34.77	51.85	68.20	16.35	PASS	Horizontal	PK
3	2924.417	17.20	34.34	51.54	68.20	16.66	PASS	Horizontal	PK
4	8549.9775	-2.09	47.20	45.11	68.20	23.09	PASS	Horizontal	PK
5	12987.4744	7.66	43.72	51.38	68.20	16.82	PASS	Horizontal	PK
6	15902.2951	13.83	38.28	52.11	68.20	16.09	PASS	Horizontal	PK
7	1139.0456	9.99	37.62	47.61	68.20	20.59	PASS	Vertical	PK
8	1957.0383	16.72	34.61	51.33	68.20	16.37	PASS	Vertical	PK
9	2531.0412	16.08	36.08	52.16	68.20	16.04	PASS	Vertical	PK
10	8303.8652	-3.13	48.97	45.84	68.20	22.36	PASS	Vertical	PK
11	11999.575	5.98	45.77	51.75	68.20	16.45	PASS	Vertical	PK
12	15891.9446	13.64	37.97	51.61	68.20	16.59	PASS	Vertical	PK

Mode:			802.11 n(HT40) Transmitting			Channel:		5230MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1133.5453	9.80	38.04	47.84	68.20	20.36	PASS	Horizontal	PK
2	1952.1981	17.00	34.67	51.67	68.20	16.53	PASS	Horizontal	PK
3	2415.7566	16.20	35.49	51.69	68.20	16.51	PASS	Horizontal	PK
4	7353.9177	-4.30	48.64	44.34	68.20	23.86	PASS	Horizontal	PK
5	11955.2978	5.04	46.09	51.13	68.20	17.07	PASS	Horizontal	PK
6	15902.2951	13.83	38.17	52.00	68.20	16.20	PASS	Horizontal	PK
7	1135.7454	9.88	37.13	47.01	68.20	21.19	PASS	Vertical	PK
8	1929.7572	16.63	34.81	51.44	68.20	16.76	PASS	Vertical	PK
9	3086.1234	17.81	34.05	51.86	68.20	16.34	PASS	Vertical	PK
10	7895.0198	-3.07	47.80	44.73	68.20	23.47	PASS	Vertical	PK
11	12422.7961	5.02	46.48	51.50	68.20	16.70	PASS	Vertical	PK
12	15894.8197	13.80	37.85	51.65	68.20	16.55	PASS	Vertical	PK

Mode:			802.11 ac(VHT80) Transmitting			Channel:		5210MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1143.4457	10.12	37.49	47.61	68.20	20.59	PASS	Horizontal	PK
2	1950.438	17.10	34.64	51.74	68.20	16.46	PASS	Horizontal	PK
3	2861.7145	16.99	34.75	51.74	68.20	16.46	PASS	Horizontal	PK
4	7618.4309	-3.81	47.97	44.16	68.20	24.04	PASS	Horizontal	PK
5	13165.1583	6.91	44.62	51.53	68.20	16.67	PASS	Horizontal	PK
6	15899.42	14.05	37.49	51.54	68.20	16.66	PASS	Horizontal	PK
7	1167.4267	9.84	38.33	48.17	68.20	20.03	PASS	Vertical	PK
8	1950.878	17.08	35.38	52.46	68.20	15.74	PASS	Vertical	PK
9	3085.4634	17.80	34.37	52.17	68.20	16.03	PASS	Vertical	PK
10	8468.8984	-2.59	47.55	44.96	68.20	23.24	PASS	Vertical	PK
11	14251.9626	12.54	39.14	51.68	68.20	16.52	PASS	Vertical	PK
12	15893.0947	13.71	37.61	51.32	68.20	16.88	PASS	Vertical	PK

Mode:		802.11 ax(HE160) Transmitting			Channel:		5250MHz		
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1131.3453	9.73	38.18	47.91	68.20	20.29	PASS	Horizontal	PK
2	1954.6182	16.86	35.23	52.09	68.20	16.11	PASS	Horizontal	PK
3	3086.1234	17.81	34.56	52.37	68.20	15.83	PASS	Horizontal	PK
4	7576.4538	-3.98	48.31	44.33	68.20	23.87	PASS	Horizontal	PK
5	13015.0758	7.37	44.50	51.87	68.20	16.33	PASS	Horizontal	PK
6	15899.42	14.05	38.15	52.20	68.20	16.00	PASS	Horizontal	PK
7	1144.3258	10.15	37.18	47.33	68.20	20.87	PASS	Vertical	PK
8	1951.5381	17.04	34.53	51.57	68.20	16.63	PASS	Vertical	PK
9	3076.8831	17.67	33.71	51.38	68.20	16.82	PASS	Vertical	PK
10	9296.3648	1.48	45.62	47.10	68.20	21.10	PASS	Vertical	PK
11	13260.613	7.20	44.62	51.82	68.20	16.38	PASS	Vertical	PK
12	15895.9698	13.86	37.79	51.65	68.20	16.55	PASS	Vertical	PK

Mode:		802.11 n(HT20) Transmitting			Channel:		5260MHz		
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1221.5489	8.86	36.33	45.19	68.20	23.01	PASS	Horizontal	PK
2	2027.8811	14.88	35.14	50.02	68.20	18.18	PASS	Horizontal	PK
3	2790.8716	16.15	35.18	51.33	68.20	16.87	PASS	Horizontal	PK
4	7250.4125	-4.13	46.98	42.85	68.20	25.35	PASS	Horizontal	PK
5	9451.0476	1.94	44.12	46.06	68.20	22.14	PASS	Horizontal	PK
6	11753.4627	3.48	45.66	49.14	68.20	19.06	PASS	Horizontal	PK
7	1218.9088	8.87	36.60	45.47	68.20	22.73	PASS	Vertical	PK
8	1771.5709	13.64	35.67	49.31	68.20	18.89	PASS	Vertical	PK
9	2620.5848	15.74	35.13	50.87	68.20	17.33	PASS	Vertical	PK
10	7256.7378	-4.17	47.33	43.16	68.20	25.04	PASS	Vertical	PK
11	9570.0785	0.64	46.08	46.72	68.20	21.48	PASS	Vertical	PK
12	11437.7719	2.48	45.28	47.76	68.20	20.44	PASS	Vertical	PK

Mode:			802.11 n(HT20) Transmitting			Channel:		5280MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1220.2288	8.87	37.11	45.98	68.20	22.22	PASS	Horizontal	PK
2	1597.5439	11.91	35.44	47.35	68.20	20.85	PASS	Horizontal	PK
3	2326.6531	14.91	35.29	50.20	68.20	18.00	PASS	Horizontal	PK
4	7219.936	-4.85	47.98	43.13	68.20	25.07	PASS	Horizontal	PK
5	9514.3007	1.02	44.25	45.27	68.20	22.93	PASS	Horizontal	PK
6	11518.2759	3.52	44.21	47.73	68.20	20.47	PASS	Horizontal	PK
7	1193.6077	9.08	36.30	45.38	68.20	22.82	PASS	Vertical	PK
8	1764.3106	13.42	34.89	48.31	68.20	19.89	PASS	Vertical	PK
9	2621.9049	15.75	34.95	50.70	68.20	17.50	PASS	Vertical	PK
10	6999.7	-5.08	48.43	43.35	68.20	24.85	PASS	Vertical	PK
11	9034.1517	-0.31	46.45	46.14	68.20	22.06	PASS	Vertical	PK
12	12622.9061	4.84	45.15	49.99	68.20	18.21	PASS	Vertical	PK

Mode:			802.11 n(HT20) Transmitting			Channel:		5320MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1298.5519	9.65	36.77	46.42	68.20	21.78	PASS	Horizontal	PK
2	2287.4915	15.12	35.80	50.92	68.20	17.28	PASS	Horizontal	PK
3	3167.0867	16.84	34.60	51.44	68.20	16.76	PASS	Horizontal	PK
4	6893.3197	-4.54	48.44	43.90	68.20	24.30	PASS	Horizontal	PK
5	8160.683	-3.56	46.64	43.08	68.20	25.12	PASS	Horizontal	PK
6	10085.8793	1.57	44.96	46.53	68.20	21.67	PASS	Horizontal	PK
7	1383.4753	10.48	36.09	46.57	68.20	21.63	PASS	Vertical	PK
8	2182.3273	14.74	36.07	50.81	68.20	17.39	PASS	Vertical	PK
9	2799.232	16.18	35.71	51.89	68.20	16.31	PASS	Vertical	PK
10	7223.3862	-4.77	47.91	43.14	68.20	25.06	PASS	Vertical	PK
11	8745.4873	-0.90	45.63	44.73	68.20	23.47	PASS	Vertical	PK
12	10154.8827	1.31	45.43	46.74	68.20	21.46	PASS	Vertical	PK

Mode:			802.11 n(HT40) Transmitting			Channel:		5270MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1254.5502	8.89	36.48	45.37	68.20	22.83	PASS	Horizontal	PK
2	1772.2309	13.66	35.94	49.60	68.20	18.60	PASS	Horizontal	PK
3	2646.5459	15.71	34.90	50.61	68.20	17.59	PASS	Horizontal	PK
4	7245.8123	-4.23	47.39	43.16	68.20	25.04	PASS	Horizontal	PK
5	9563.1782	0.37	44.44	44.81	68.20	23.39	PASS	Horizontal	PK
6	13959.273	8.16	40.46	48.62	68.20	19.58	PASS	Horizontal	PK
7	1250.37	8.83	36.69	45.52	68.20	22.68	PASS	Vertical	PK
8	1744.0698	12.98	36.12	49.10	68.20	19.10	PASS	Vertical	PK
9	2341.1736	14.82	35.66	50.48	68.20	17.72	PASS	Vertical	PK
10	8092.2546	-4.17	45.84	41.67	68.20	26.53	PASS	Vertical	PK
11	11011.6756	4.69	44.62	49.31	68.20	18.89	PASS	Vertical	PK
12	13426.7963	8.16	41.16	49.32	68.20	18.88	PASS	Vertical	PK

Mode:			802.11 n(HT40) Transmitting			Channel:		5310MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1230.7892	8.85	37.16	46.01	68.20	22.19	PASS	Horizontal	PK
2	2033.1613	15.01	36.09	51.10	68.20	17.10	PASS	Horizontal	PK
3	2678.4471	15.99	35.47	51.46	68.20	16.74	PASS	Horizontal	PK
4	7223.9612	-4.76	47.85	43.09	68.20	25.11	PASS	Horizontal	PK
5	9478.0739	1.68	43.16	44.84	68.20	23.36	PASS	Horizontal	PK
6	13457.2729	8.33	40.30	48.63	68.20	19.57	PASS	Horizontal	PK
7	1261.1504	9.01	36.41	45.42	68.20	22.78	PASS	Vertical	PK
8	1878.4951	15.77	35.74	51.51	68.20	16.69	PASS	Vertical	PK
9	2648.746	15.71	35.26	50.97	68.20	17.23	PASS	Vertical	PK
10	7162.4331	-4.96	47.65	42.69	68.20	25.51	PASS	Vertical	PK
11	10229.6365	1.50	45.52	47.02	68.20	21.18	PASS	Vertical	PK
12	13444.6222	8.76	40.13	48.89	68.20	19.31	PASS	Vertical	PK

Mode:		802.11 ac(VHT80) Transmitting				Channel:		5290MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1244.8698	8.82	36.24	45.06	68.20	23.14	PASS	Horizontal	PK
2	1751.5501	13.05	36.25	49.30	68.20	18.90	PASS	Horizontal	PK
3	2390.4556	16.08	35.35	51.43	68.20	16.77	PASS	Horizontal	PK
4	7371.1686	-4.44	48.36	43.92	68.20	24.28	PASS	Horizontal	PK
5	9473.4737	1.73	43.33	45.06	68.20	23.14	PASS	Horizontal	PK
6	13448.0724	8.87	40.66	49.53	68.20	18.67	PASS	Horizontal	PK
7	1314.3926	9.82	36.17	45.99	68.20	22.21	PASS	Vertical	PK
8	1756.6103	13.19	35.52	48.71	68.20	19.49	PASS	Vertical	PK
9	2300.692	15.06	35.30	50.36	68.20	17.84	PASS	Vertical	PK
10	7236.0368	-4.46	47.22	42.76	68.20	25.44	PASS	Vertical	PK
11	9448.7474	1.86	43.43	45.29	68.20	22.91	PASS	Vertical	PK
12	13986.2993	8.79	41.39	50.18	68.20	18.02	PASS	Vertical	PK

Mode:		802.11 n(HT20) Transmitting				Channel:		5745MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1196.3696	9.01	36.20	45.21	68.20	22.99	PASS	Horizontal	PK
2	1588.5589	11.64	35.66	47.30	68.20	20.90	PASS	Horizontal	PK
3	2240.374	15.17	36.21	51.38	68.20	16.82	PASS	Horizontal	PK
4	7246.7831	-4.20	48.25	44.05	68.20	24.15	PASS	Horizontal	PK
5	9615.9411	1.78	45.45	47.23	68.20	20.97	PASS	Horizontal	PK
6	12303.2869	5.43	45.64	51.07	68.20	17.13	PASS	Horizontal	PK
7	1187.5688	9.26	37.07	46.33	68.20	21.87	PASS	Vertical	PK
8	1666.6667	12.32	36.34	48.66	68.20	19.54	PASS	Vertical	PK
9	2188.1188	14.61	35.96	50.57	68.20	17.63	PASS	Vertical	PK
10	7227.6152	-4.66	47.98	43.32	68.20	24.88	PASS	Vertical	PK
11	10131.1754	1.26	46.04	47.30	68.20	20.90	PASS	Vertical	PK
12	12826.9551	6.84	43.77	50.61	68.20	17.59	PASS	Vertical	PK

Mode:			802.11 n(HT20) Transmitting			Channel:		5785MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1195.2695	9.04	36.62	45.66	68.20	22.54	PASS	Horizontal	PK
2	1776.6777	13.64	35.53	49.17	68.20	19.03	PASS	Horizontal	PK
3	2216.7217	14.74	35.90	50.64	68.20	17.56	PASS	Horizontal	PK
4	6984.5656	-5.33	49.04	43.71	68.20	24.49	PASS	Horizontal	PK
5	9602.1401	1.80	44.88	46.68	68.20	21.52	PASS	Horizontal	PK
6	12495.733	5.15	45.68	50.83	68.20	17.37	PASS	Horizontal	PK
7	1189.769	9.19	36.75	45.94	68.20	22.26	PASS	Vertical	PK
8	1660.6161	12.22	35.80	48.02	68.20	20.18	PASS	Vertical	PK
9	2297.5798	15.09	36.46	51.55	68.20	16.65	PASS	Vertical	PK
10	6907.1271	-4.64	48.58	43.94	68.20	24.26	PASS	Vertical	PK
11	9043.2029	-0.19	46.75	46.56	68.20	21.64	PASS	Vertical	PK
12	11378.6252	4.04	44.84	48.88	68.20	19.32	PASS	Vertical	PK

Mode:			802.11 n(HT20) Transmitting			Channel:		5825MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1248.6249	8.99	37.10	46.09	68.20	22.11	PASS	Horizontal	PK
2	1669.967	12.38	36.15	48.53	68.20	19.67	PASS	Horizontal	PK
3	2236.5237	15.10	35.62	50.72	68.20	17.48	PASS	Horizontal	PK
4	7239.1159	-4.39	47.31	42.92	68.20	25.28	PASS	Horizontal	PK
5	10069.838	2.26	45.00	47.26	68.20	20.94	PASS	Horizontal	PK
6	12499.5666	5.32	45.26	50.58	68.20	17.62	PASS	Horizontal	PK
7	1064.9065	9.37	36.62	45.99	68.20	22.21	PASS	Vertical	PK
8	1586.9087	11.61	35.48	47.09	68.20	21.11	PASS	Vertical	PK
9	2150.165	15.15	36.11	51.26	68.20	16.94	PASS	Vertical	PK
10	7042.0695	-5.22	48.66	43.44	68.20	24.76	PASS	Vertical	PK
11	10065.2377	2.45	45.19	47.64	68.20	20.56	PASS	Vertical	PK
12	12588.5059	4.51	46.35	50.86	68.20	17.34	PASS	Vertical	PK

Mode:			802.11 n(HT40) Transmitting			Channel:		5755MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1167.2167	9.85	36.83	46.68	68.20	21.52	PASS	Horizontal	PK
2	1647.4147	12.03	36.26	48.29	68.20	19.91	PASS	Horizontal	PK
3	2210.6711	14.63	35.81	50.44	68.20	17.76	PASS	Horizontal	PK
4	7247.5498	-4.19	47.99	43.80	68.20	24.40	PASS	Horizontal	PK
5	10296.7865	3.10	45.46	48.56	68.20	19.64	PASS	Horizontal	PK
6	13428.8286	8.23	43.07	51.30	68.20	16.90	PASS	Horizontal	PK
7	1172.7173	9.68	36.50	46.18	68.20	22.02	PASS	Vertical	PK
8	1657.8658	12.17	35.51	47.68	68.20	20.52	PASS	Vertical	PK
9	2334.9835	14.83	35.93	50.76	68.20	17.44	PASS	Vertical	PK
10	7265.1843	-4.23	46.95	42.72	68.20	25.48	PASS	Vertical	PK
11	10068.3046	2.32	44.99	47.31	68.20	20.89	PASS	Vertical	PK
12	12401.4268	6.51	44.67	51.18	68.20	17.02	PASS	Vertical	PK

Mode:			802.11 n(HT40) Transmitting			Channel:		5795MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1195.2695	9.04	36.35	45.39	68.20	22.81	PASS	Horizontal	PK
2	1727.7228	13.00	35.48	48.48	68.20	19.72	PASS	Horizontal	PK
3	2238.7239	15.13	36.21	51.34	68.20	16.86	PASS	Horizontal	PK
4	7395.5264	-4.64	48.82	44.18	68.20	24.02	PASS	Horizontal	PK
5	10239.2826	1.96	46.82	48.78	68.20	19.42	PASS	Horizontal	PK
6	13432.6622	8.36	42.86	51.22	68.20	16.98	PASS	Horizontal	PK
7	1178.2178	9.53	36.43	45.96	68.20	22.24	PASS	Vertical	PK
8	1624.8625	11.93	36.15	48.08	68.20	20.12	PASS	Vertical	PK
9	2327.2827	14.89	35.88	50.77	68.20	17.43	PASS	Vertical	PK
10	7202.3135	-5.28	48.98	43.70	68.20	24.50	PASS	Vertical	PK
11	10051.4368	3.04	44.89	47.93	68.20	20.27	PASS	Vertical	PK
12	12388.3926	6.25	45.33	51.58	68.20	16.62	PASS	Vertical	PK

Mode:			802.11 ac(VHT80) Transmitting			Channel:		5775MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1193.0693	9.10	35.70	44.80	68.20	23.40	PASS	Horizontal	PK
2	1539.0539	10.89	35.95	46.84	68.20	21.36	PASS	Horizontal	PK
3	2219.4719	14.79	35.70	50.49	68.20	17.71	PASS	Horizontal	PK
4	7162.4442	-4.96	47.94	42.98	68.20	25.22	PASS	Horizontal	PK
5	10060.6374	2.64	44.78	47.42	68.20	20.78	PASS	Horizontal	PK
6	12702.7468	5.09	45.08	50.17	68.20	18.03	PASS	Horizontal	PK
7	1254.6755	9.06	36.07	45.13	68.20	23.07	PASS	Vertical	PK
8	1699.1199	12.87	35.53	48.40	68.20	19.80	PASS	Vertical	PK
9	2157.3157	15.05	35.52	50.57	68.20	17.63	PASS	Vertical	PK
10	7136.3758	-4.84	47.64	42.80	68.20	25.40	PASS	Vertical	PK
11	10049.1366	3.07	43.90	46.97	68.20	21.23	PASS	Vertical	PK
12	13446.4631	8.82	42.41	51.23	68.20	16.97	PASS	Vertical	PK

Note:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

2) Scan from 9kHz to 25GHz, the disturbance above 18GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

6.9 Radiated Emission which fall in the restricted bands

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.407 (b)				
Test Method:	ANSI C63.10 2013				
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100 kHz	300kHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10kHz	Average
Limit:	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz-88MHz	100	40.0	Quasi-peak	3
	88MHz-216MHz	150	43.5	Quasi-peak	3
	216MHz-960MHz	200	46.0	Quasi-peak	3
	960MHz-1GHz	500	54.0	Quasi-peak	3
	Above 1GHz	500	54.0	Average	3
	*(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 in the 5.725-5.85 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. Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed				

	<p>the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.</p> <p>Note:</p> <p>(i) $EIRP = ((E^*d)^2) / 30$ where: • E is the field strength in V/m; • d is the measurement distance in meters; • EIRP is the equivalent isotropically radiated power in watts.</p> <p>(ii) Working in dB units, the above equation is equivalent to: $EIRP[dBm] = E[dB\mu V/m] + 20 \log(d[meters]) - 104.77$</p> <p>(iii) Or, if d is 3 meters: $EIRP[dBm] = E[dB\mu V/m] - 95.2$</p>
Test Setup:	

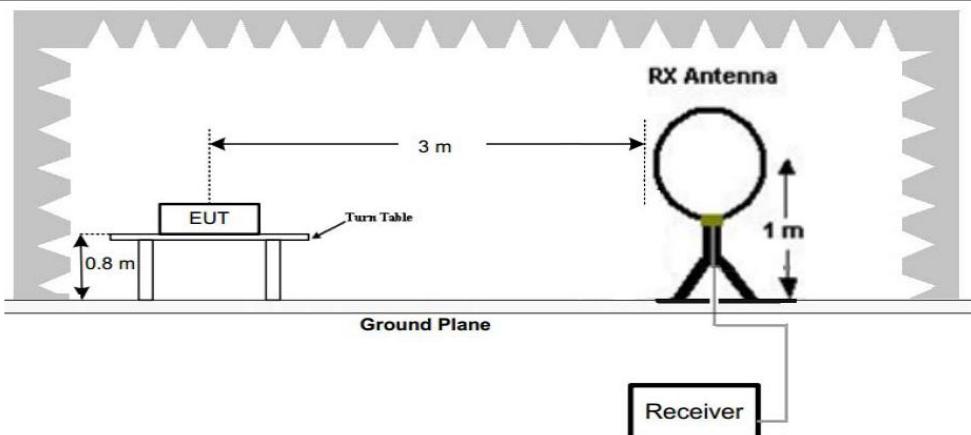


Figure 1. Below 30MHz

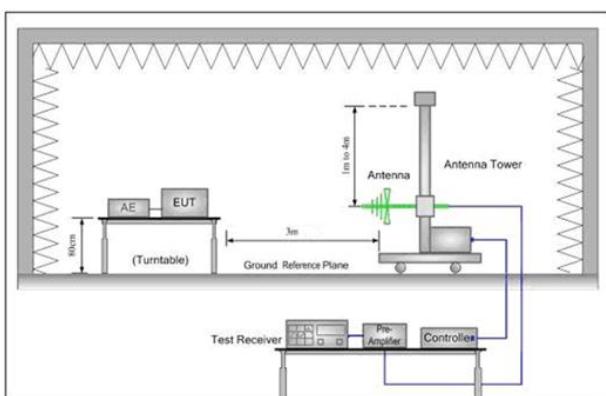


Figure 2. 30MHz to 1GHz

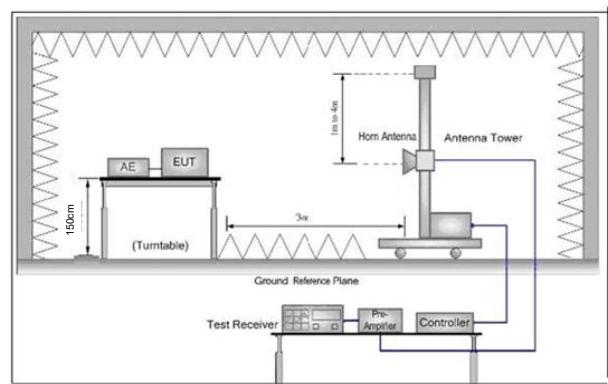


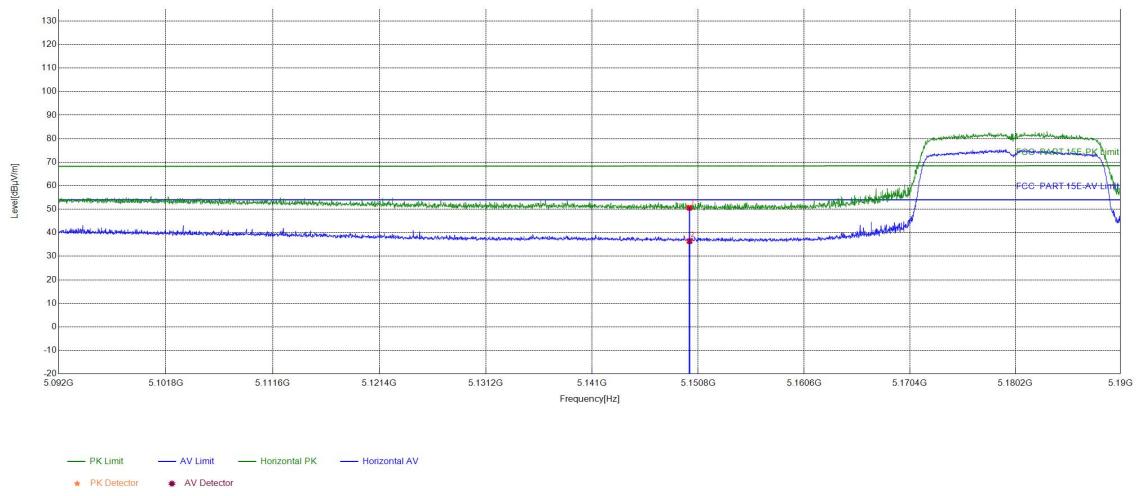
Figure 3. Above 1 GHz

Test Procedure:	<p>j. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>Note: For the radiated emission test above 1GHz:</p>
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	<p>Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.</p> <p>k. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</p> <p>l. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</p> <p>m. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>n. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>o. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</p> <p>p. Test the EUT in the lowest channel, the Highest channel</p> <p>q. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.</p> <p>r. Repeat above procedures until all frequencies measured was complete.</p>
Test Mode:	Transmitting mode with modulation
Test Results:	Pass

Test Data:

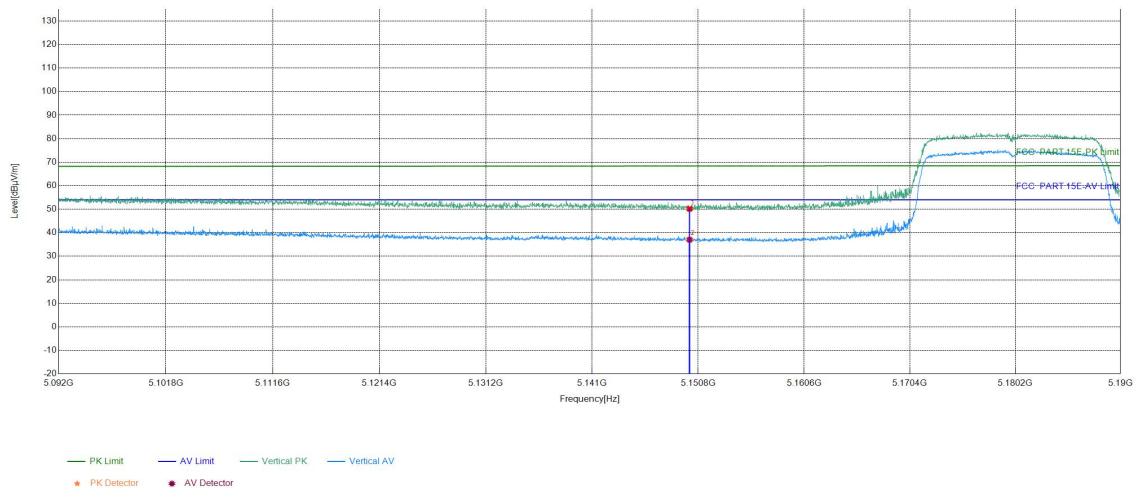
EUT_Name		Test_Model	
Test_Mode	802.11 a Transmitting	Test_Frequency	5180MHz
Tset_Engineer	chenjun	Test_Date	2024/12/02
Remark	21.8°C 59.9% \		

Test Graph

Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	5150	21.98	28.61	50.59	68.38	17.79	PASS	Horizontal	PK
2	5150	21.98	14.45	36.43	54.00	17.57	PASS	Horizontal	AV

EUT_Name		Test_Model	
Test_Mode	802.11 a Transmitting	Test_Frequency	5180MHz
Tset_Engineer	chenjun	Test_Date	2024/12/02
Remark	21.8°C 59.9% \		

Test Graph

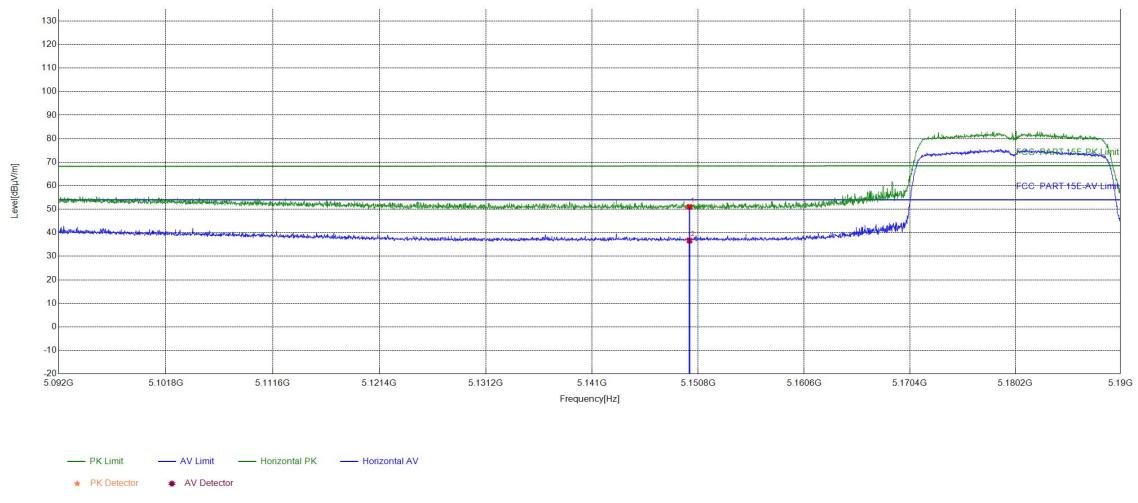


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	5150	21.98	28.18	50.16	68.38	18.22	PASS	Vertical	PK
2	5150	21.98	15.06	37.04	54.00	16.96	PASS	Vertical	AV

EUT_Name		Test_Model	
Test_Mode	802.11 n(HT20) Transmitting	Test_Frequency	5180MHz
Tset_Engineer	chenjun	Test_Date	2024/12/02
Remark	21.8°C 59.9% \		

Test Graph

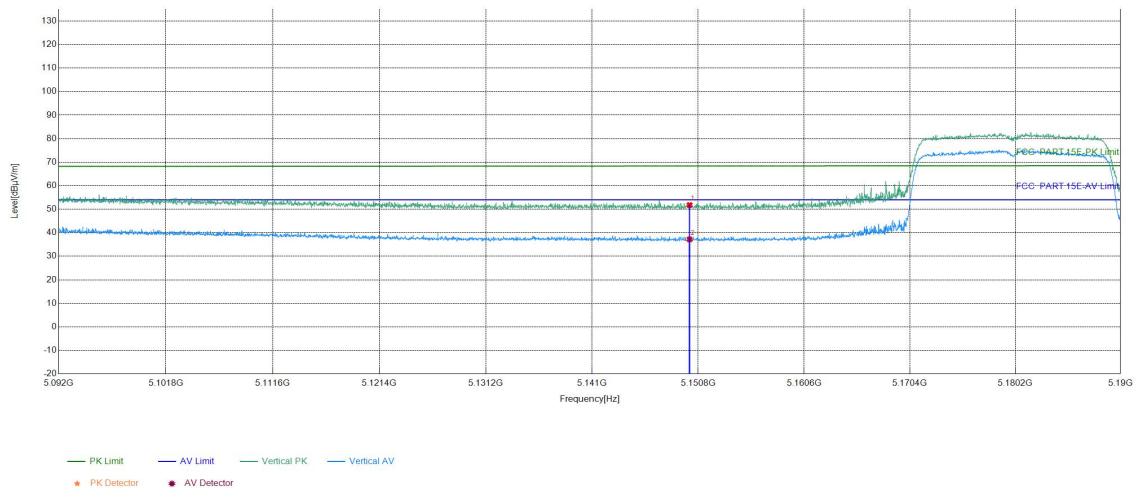


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	5150	21.98	29.01	50.99	68.38	17.39	PASS	Horizontal	PK
2	5150	21.98	14.69	36.67	54.00	17.33	PASS	Horizontal	AV

EUT_Name		Test_Model	
Test_Mode	802.11 n(HT20) Transmitting	Test_Frequency	5180MHz
Tset_Engineer	chenjun	Test_Date	2024/12/02
Remark	21.8°C 59.9% \		

Test Graph

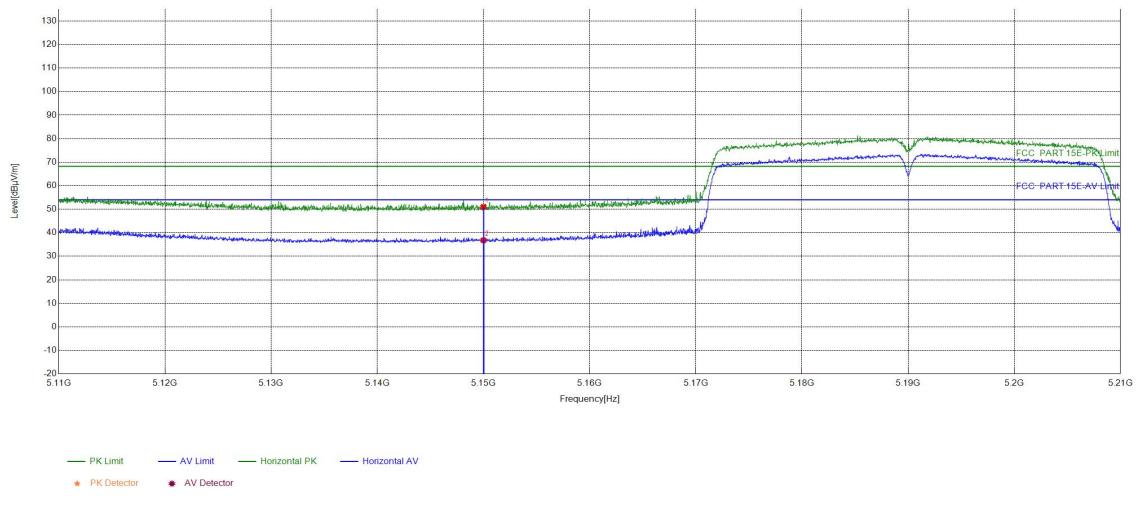


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	5150	21.98	29.80	51.78	68.38	16.60	PASS	Vertical	PK
2	5150	21.98	15.22	37.20	54.00	16.80	PASS	Vertical	AV

EUT_Name		Test_Model	
Test_Mode	802.11 n(HT40) Transmitting	Test_Frequency	5190MHz
Tset_Engineer	chenjun	Test_Date	2024/12/02
Remark	21.8°C 59.9% \		

Test Graph

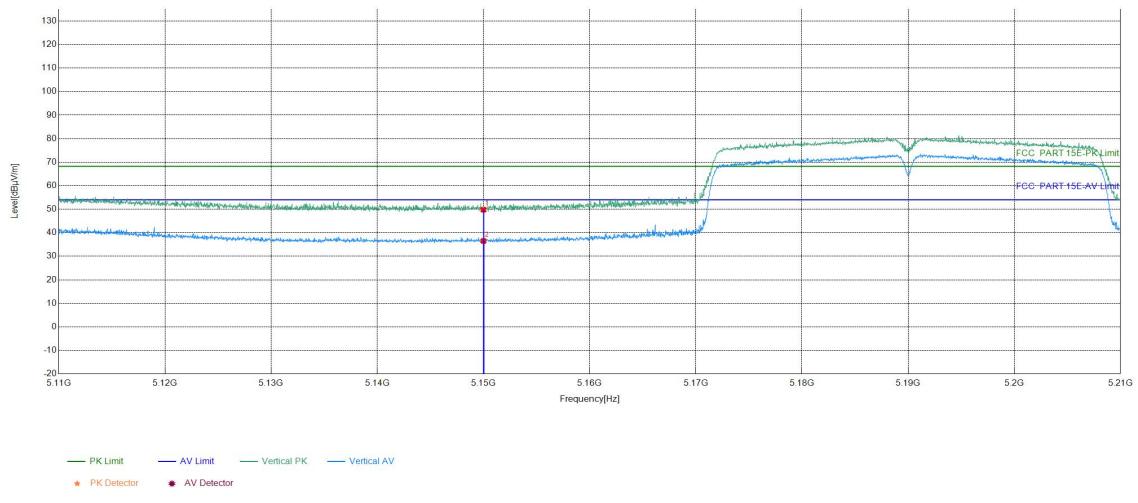


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	5150	21.73	29.23	50.96	68.20	17.24	PASS	Horizontal	PK
2	5150	21.73	15.07	36.80	54.00	17.20	PASS	Horizontal	AV

EUT_Name		Test_Model	
Test_Mode	802.11 n(HT40) Transmitting	Test_Frequency	5190MHz
Tset_Engineer	chenjun	Test_Date	2024/12/02
Remark	21.8°C 59.9% \		

Test Graph

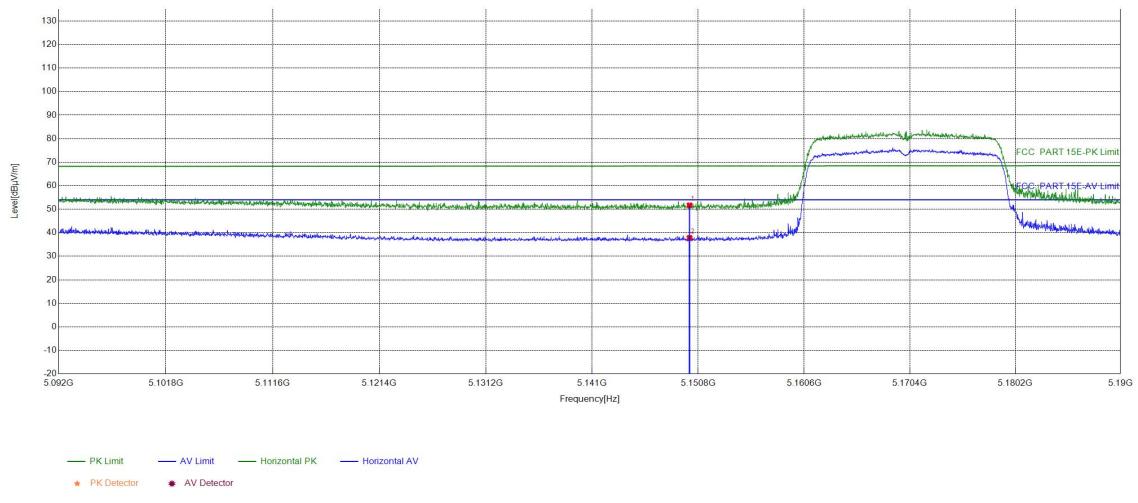


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	5150	21.73	28.05	49.78	68.20	18.42	PASS	Vertical	PK
2	5150	21.73	14.78	36.51	54.00	17.49	PASS	Vertical	AV

EUT_Name		Test_Model	
Test_Mode	802.11 ac(VHT20) Transmitting	Test_Frequency	5180MHz
Tset_Engineer	chenjun	Test_Date	2024/12/02
Remark	21.8°C59.9%\n		

Test Graph

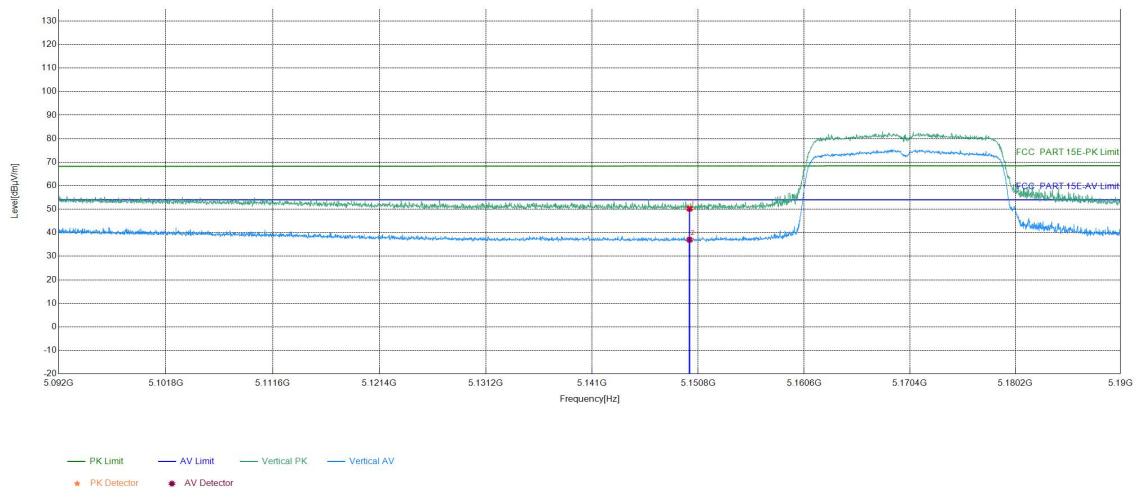


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5150	21.98	29.71	51.69	68.38	16.69	PASS	Horizontal	PK
2	5150	21.98	15.83	37.81	54.00	16.19	PASS	Horizontal	AV

EUT_Name		Test_Model	
Test_Mode	802.11 ac(VHT20) Transmitting	Test_Frequency	5180MHz
Tset_Engineer	chenjun	Test_Date	2024/12/02
Remark	21.8°C 59.9% \		

Test Graph

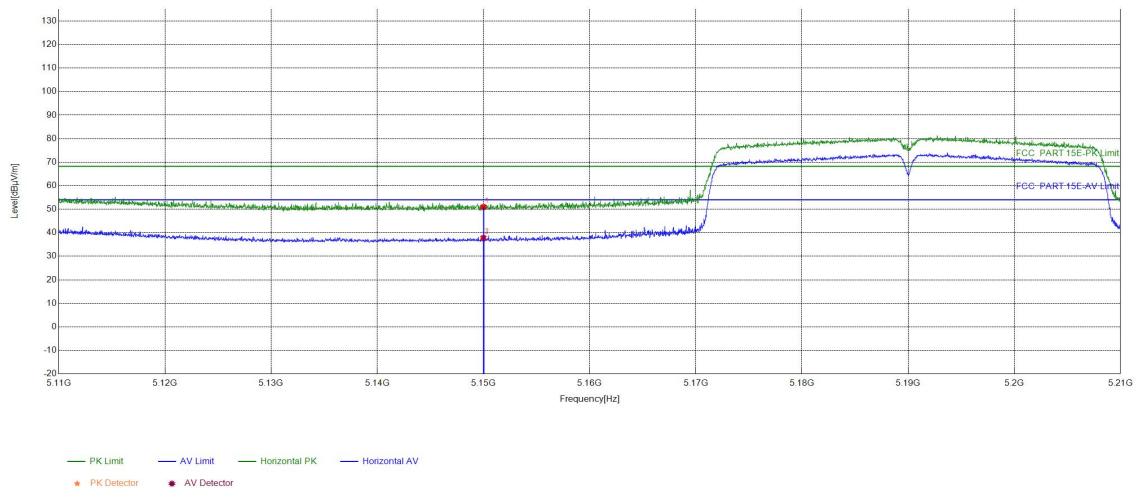


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150	21.98	28.22	50.20	68.38	18.18	PASS	Vertical	PK
2	5150	21.98	15.06	37.04	54.00	16.96	PASS	Vertical	AV

EUT_Name		Test_Model	
Test_Mode	802.11 ac(VHT40) Transmitting	Test_Frequency	5190MHz
Tset_Engineer	chenjun	Test_Date	2024/12/02
Remark	21.8°C59.9%\n		

Test Graph

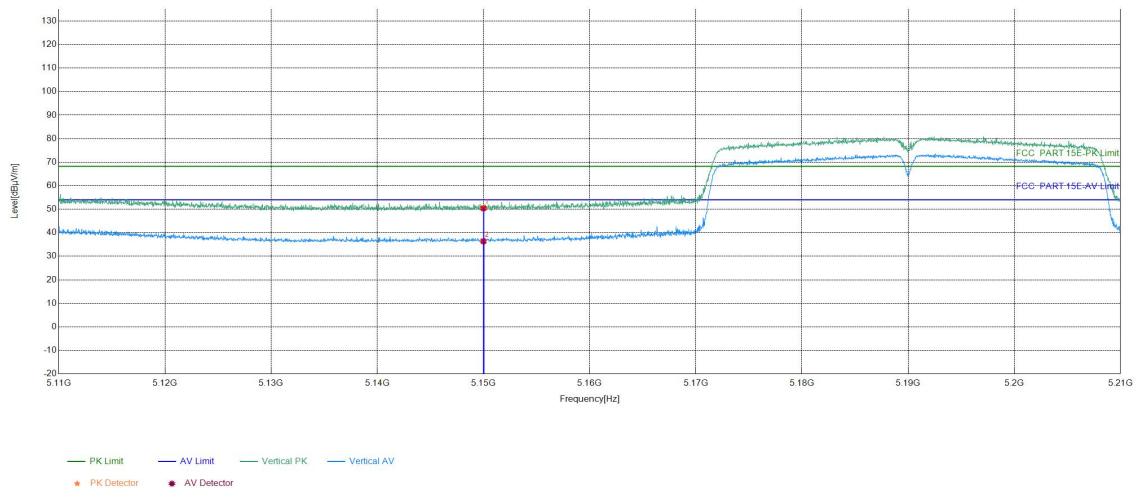


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	5150	21.73	29.22	50.95	68.20	17.25	PASS	Horizontal	PK
2	5150	21.73	16.05	37.78	54.00	16.22	PASS	Horizontal	AV

EUT_Name		Test_Model	
Test_Mode	802.11 ac(VHT40) Transmitting	Test_Frequency	5190MHz
Tset_Engineer	chenjun	Test_Date	2024/12/02
Remark	21.8°C 59.9% \		

Test Graph

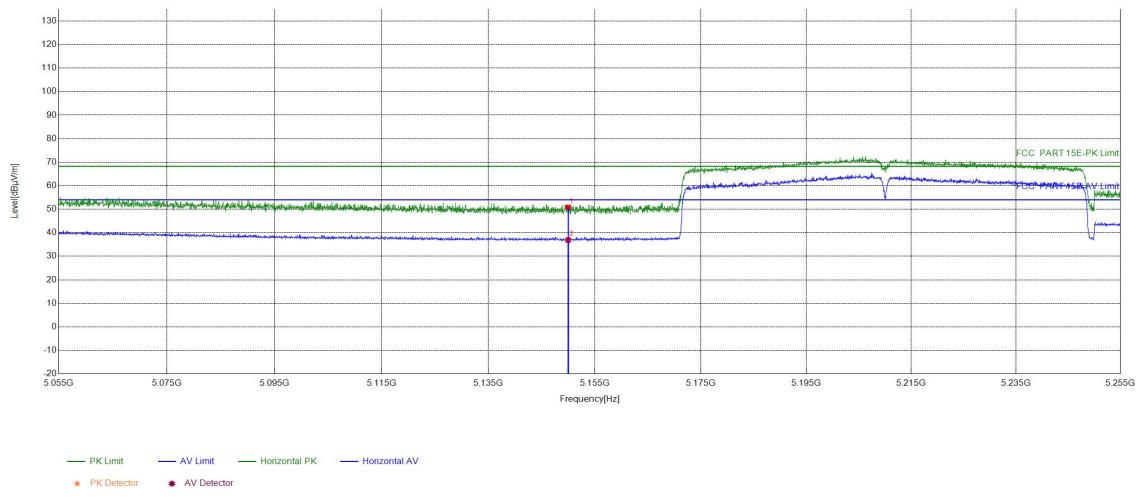


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5150	21.73	28.64	50.37	68.20	17.83	PASS	Vertical	PK
2	5150	21.73	14.63	36.36	54.00	17.64	PASS	Vertical	AV

EUT_Name		Test_Model	
Test_Mode	802.11 ac(VHT80) Transmitting	Test_Frequency	5210MHz
Tset_Engineer	chenjun	Test_Date	2024/12/02
Remark	21.8°C 59.9% \		

Test Graph

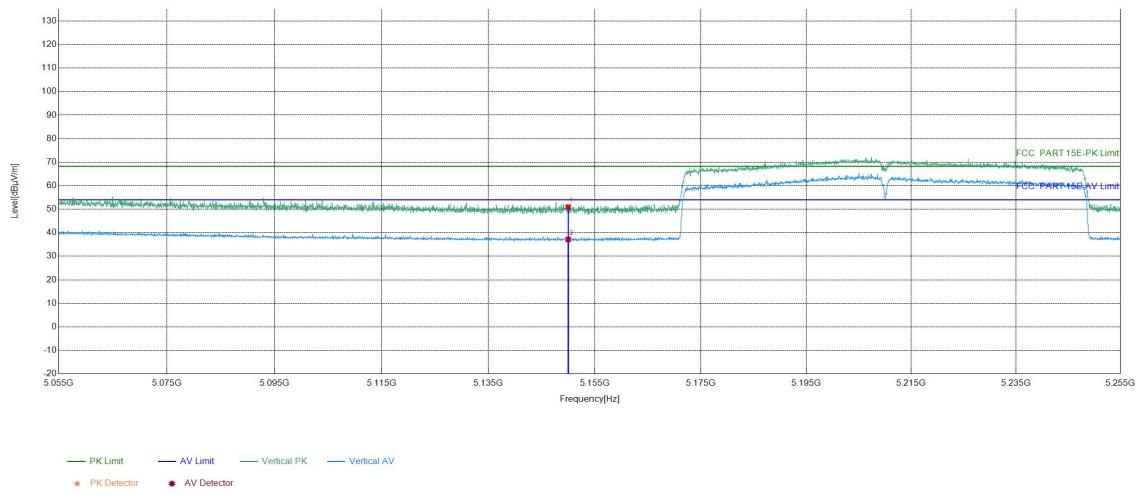


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	5150	21.73	29.08	50.81	68.20	17.39	PASS	Horizontal	PK
2	5150	21.73	15.18	36.91	54.00	17.09	PASS	Horizontal	AV

EUT_Name		Test_Model	
Test_Mode	802.11 ac(VHT80) Transmitting	Test_Frequency	5210MHz
Tset_Engineer	chenjun	Test_Date	2024/12/02
Remark	21.8°C 59.9% \		

Test Graph

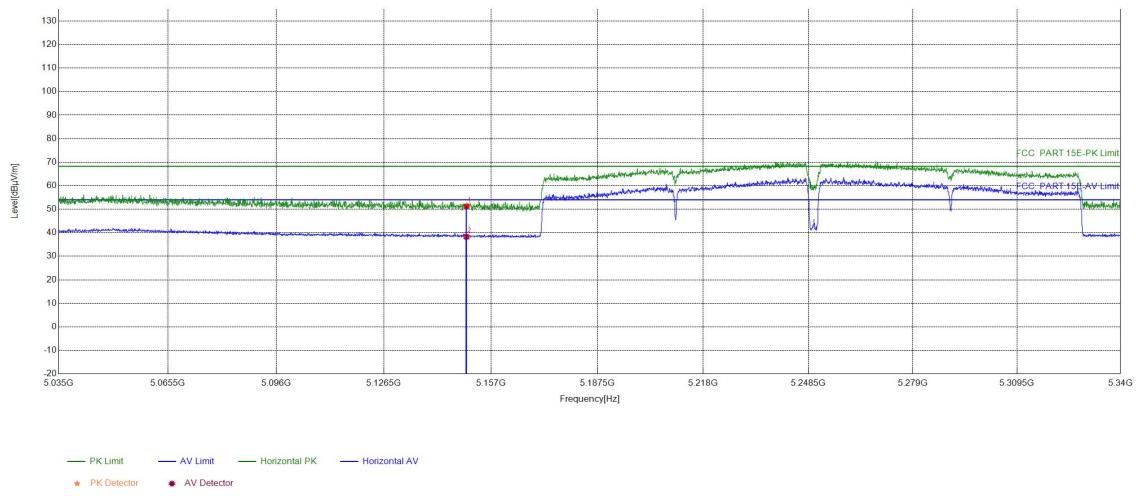


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	5150	21.73	29.20	50.93	68.20	17.27	PASS	Vertical	PK
2	5150	21.73	15.45	37.18	54.00	16.82	PASS	Vertical	AV

EUT_Name		Test_Model	
Test_Mode	802.11 ac(VHT160) Transmitting	Test_Frequency	5250MHz
Tset_Engineer	chenjun	Test_Date	2024/12/02
Remark	21.8°C59.9%\n		

Test Graph

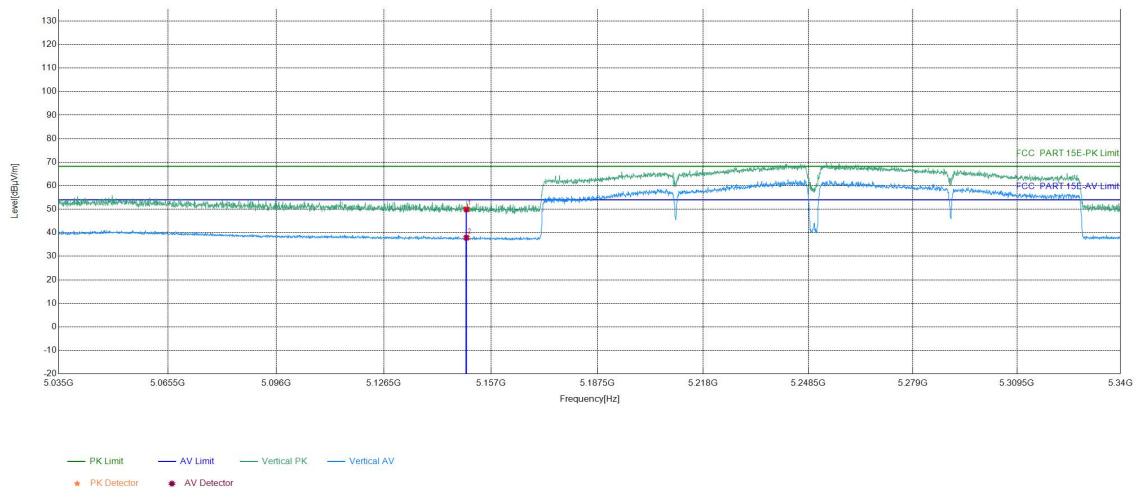


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	5150	21.73	29.46	51.19	68.20	17.01	PASS	Horizontal	PK
2	5150	21.73	16.55	38.28	54.00	15.72	PASS	Horizontal	AV

EUT_Name		Test_Model	
Test_Mode	802.11 ac(VHT160) Transmitting	Test_Frequency	5250MHz
Tset_Engineer	chenjun	Test_Date	2024/12/02
Remark	21.8°C 59.9% \		

Test Graph

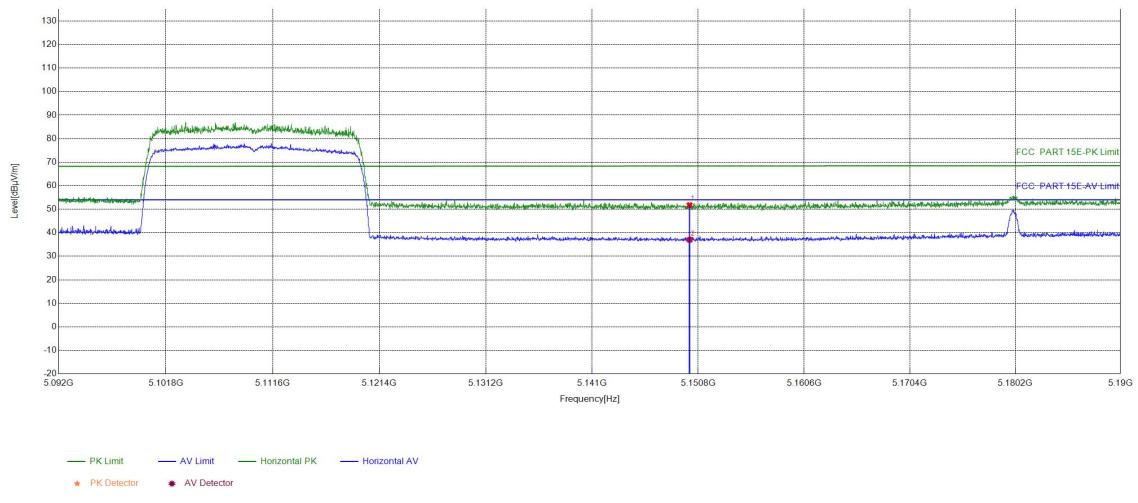


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	5150	21.73	28.20	49.93	68.20	18.27	PASS	Vertical	PK
2	5150	21.73	16.16	37.89	54.00	16.11	PASS	Vertical	AV

EUT_Name		Test_Model	
Test_Mode	802.11 ax(HE20)Transmittin g	Test_Frequency	5180MHz
Tset_Engineer	chenjun	Test_Date	2024/12/02
Remark	21.8°C59.9%\n		

Test Graph

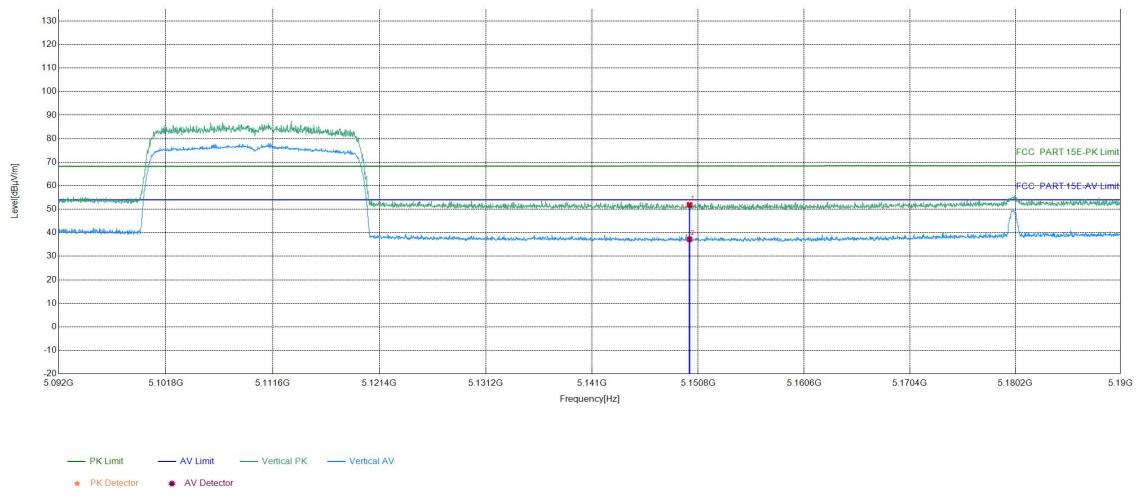


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	5150	21.98	29.79	51.77	68.38	16.61	PASS	Horizontal	PK
2	5150	21.98	15.02	37.00	54.00	17.00	PASS	Horizontal	AV

EUT_Name		Test_Model	
Test_Mode	802.11 ax(HE20)Transmittin g	Test_Frequency	5180MHz
Tset_Engineer	chenjun	Test_Date	2024/12/02
Remark	21.8°C 59.9% \		

Test Graph

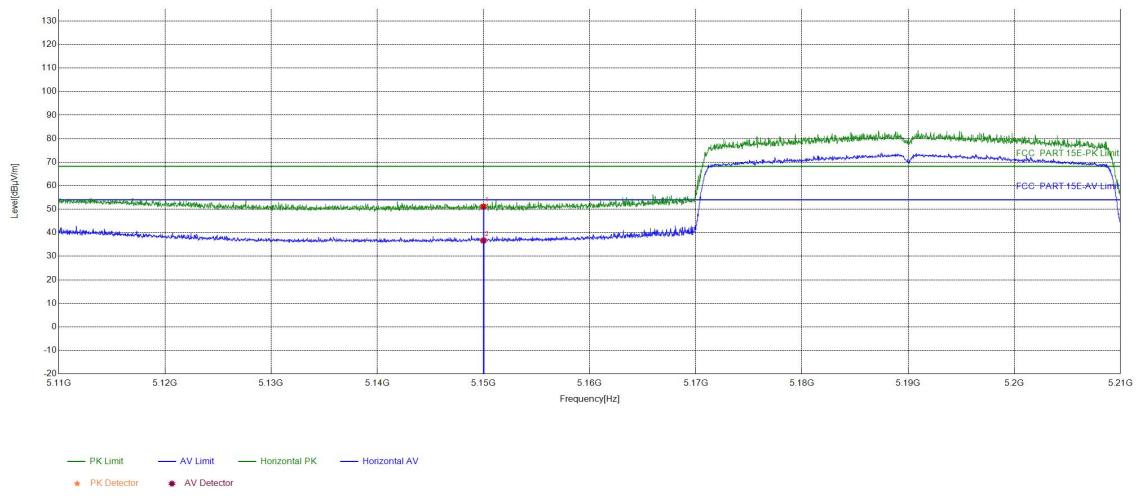


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	5150	21.98	29.88	51.86	68.38	16.52	PASS	Vertical	PK
2	5150	21.98	15.24	37.22	54.00	16.78	PASS	Vertical	AV

EUT_Name		Test_Model	
Test_Mode	802.11 ax(HE40)Transmittin g	Test_Frequency	5190MHz
Tset_Engineer	chenjun	Test_Date	2024/12/02
Remark	21.8°C59.9%\n		

Test Graph

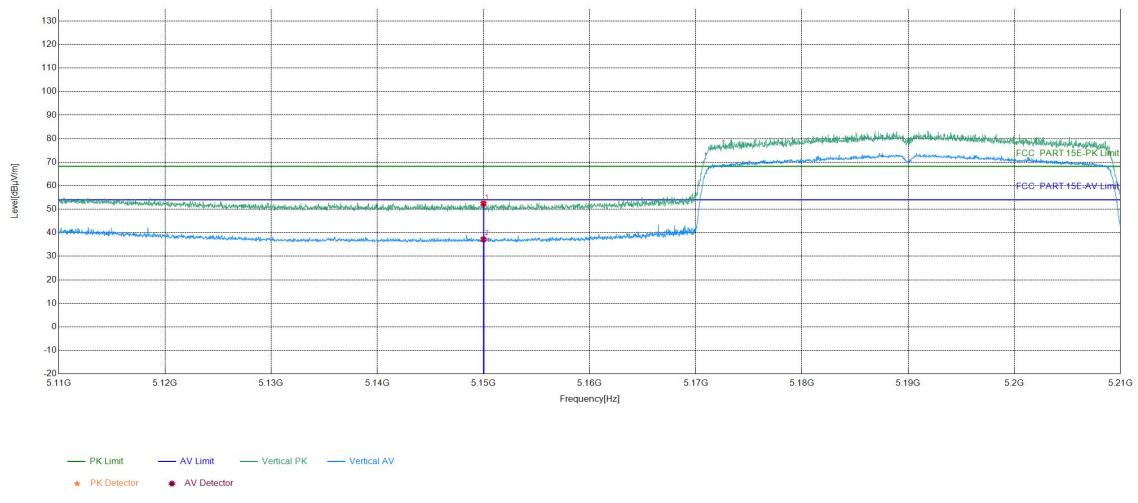


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	5150	21.73	29.34	51.07	68.20	17.13	PASS	Horizontal	PK
2	5150	21.73	14.97	36.70	54.00	17.30	PASS	Horizontal	AV

EUT_Name		Test_Model	
Test_Mode	802.11 ax(HE40)Transmittin g	Test_Frequency	5190MHz
Tset_Engineer	chenjun	Test_Date	2024/12/02
Remark	21.8°C59.9%\n		

Test Graph

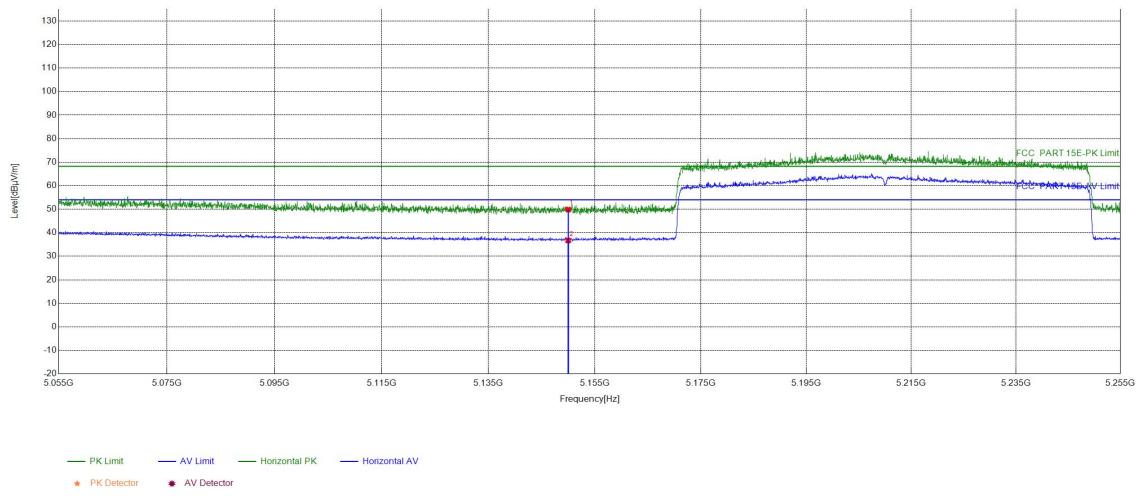


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150	21.73	30.64	52.37	68.20	15.83	PASS	Vertical	PK
2	5150	21.73	15.45	37.18	54.00	16.82	PASS	Vertical	AV

EUT_Name		Test_Model	
Test_Mode	802.11 ax(HE80)Transmittin g	Test_Frequency	5210MHz
Tset_Engineer	chenjun	Test_Date	2024/12/02
Remark	21.8°C59.9%\n		

Test Graph

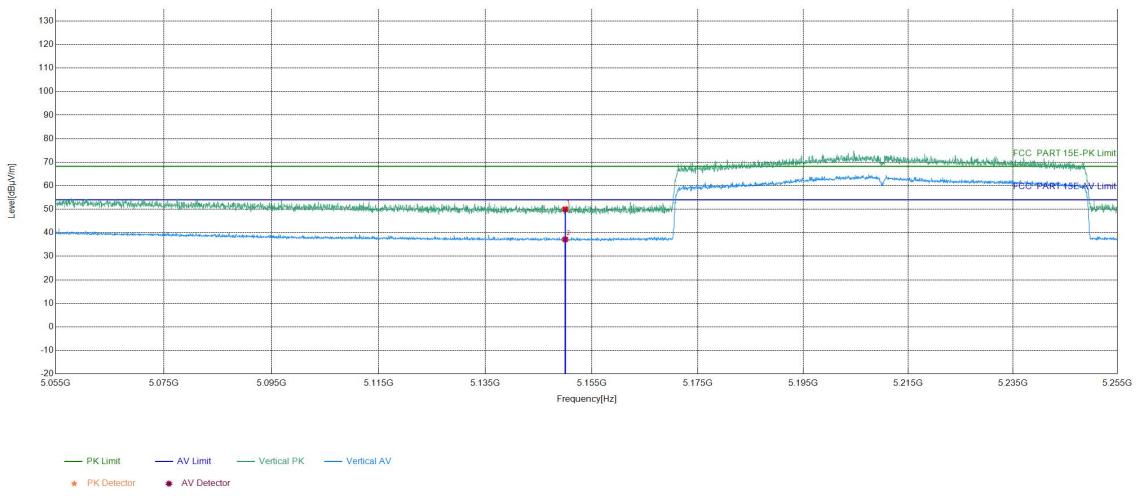


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	5150	21.73	28.16	49.89	68.20	18.31	PASS	Horizontal	PK
2	5150	21.73	14.98	36.71	54.00	17.29	PASS	Horizontal	AV

EUT_Name		Test_Model	
Test_Mode	802.11 ax(HE80)Transmittin g	Test_Frequency	5210MHz
Tset_Engineer	chenjun	Test_Date	2024/12/02
Remark	21.8°C59.9%\n		

Test Graph



Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	5150	21.73	28.26	49.99	68.20	18.21	PASS	Vertical	PK
2	5150	21.73	15.45	37.18	54.00	16.82	PASS	Vertical	AV