

TEST REPORT

Applicant: Wyrestorm Technologies LLC
Address of Applicant: 23 Wood Rd, Round Lake, New York 12151, United States
Manufacturer/Factory: Shen Zhen Proitav Technology Co.,Ltd
Address of Manufacturer/Factory: 301-401, Building 16, Hejing Industrial Park, No.87, Hexiu West Road, Zhancheng Community, Fuhai St., Baoan District, Shenzhen, China
Equipment Under Test (EUT)
Product Name: Switcher
Model No.: SW-220-TX-W
Trade Mark: WyreStorm
FCC ID: 2A2CW-SW220TXW
Applicable standards: FCC CFR Title 47 Part 15 Subpart E Section 15.407
Date of sample receipt: April 26, 2022
Date of Test: April 27, 2022-May 25, 2022
Date of report issue: May 25, 2022
Test Result : PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



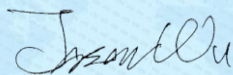
Robinson Luo
Laboratory Manager

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Version

Version No.	Date	Description
00	May 25, 2022	Original

Prepared By:

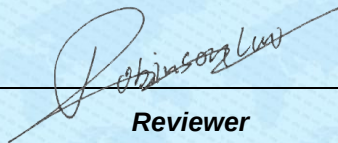


Date:

May 25, 2022

Project Engineer

Check By:



Date:

May 25, 2022

Reviewer

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4 Test Summary

Test Item	Section	Result
Antenna requirement	FCC part 15.203	PASS
AC Power Line Conducted Emission	FCC part 15.207	PASS
Emission Bandwidth	FCC part 15.407	PASS
Peak Transmit Power	FCC part 15.407(a)(1)	PASS
Power Spectral Density	FCC part 15.407(a)(1)	PASS
Undesirable Emission	FCC part 15.407(b), 15.205/15.209	PASS
Radiated Emission	FCC part 15.205/15.209	PASS
Band Edge	FCC part 15.407(b)(1)	PASS
Frequency Stability	FCC part 15.407(g)	PASS

Remark:

Pass: The EUT complies with the essential requirements in the standard.

Test Method: KDB 662911 D01 Multiple Transmitter Output v02r01

4.1 Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes
Radiated Emission	9kHz-30MHz	3.1dB	(1)
Radiated Emission	30MHz-200MHz	3.8039dB	(1)
Radiated Emission	200MHz-1GHz	3.9679dB	(1)
Radiated Emission	1GHz-18GHz	4.29dB	(1)
Radiated Emission	18GHz-40GHz	3.30dB	(1)
AC Power Line Conducted Emission	0.15MHz ~ 30MHz	3.44dB	(1)

Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

5 General Information

5.1 General Description of EUT

Product Name:	Switcher			
Model No.:	SW-220-TX-W			
Serial No.:	E4CE0211D5AF			
Test sample(s) ID:	GTS202204000290-1			
Sample(s) Status:	Engineer sample			
Operation Frequency:	Band	Mode	Frequency Range(MHz)	Number of channels
	U-NII Band I	IEEE 802.11ac 20MHz	5180-5240	4
Modulation technology:	OFDM			
Antenna Type:	External Antenna			
Antenna gain:	ANT 1: 2dBi ANT 2: 2dBi			
Power supply:	Adapter 1: Model: NBS24J120200D5 Input: AC 100-240V, 50/60Hz, 0.6A Output: DC 12.0V, 2.0A, 24.0W Adapter 2: Model: FJ-SW1202000N Input: AC 100-240V, 50/60Hz, 0.6A Max Output: DC 12.0V, 2.0A, 24.0W			

Channel list for 802.11ac(HT20)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180MHz	40	5200MHz	44	5220MHz	48	5240MHz

5.2 Test mode

Transmitting mode	Keep the EUT in transmitting with modulation..
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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:

Pre-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.

Mode	Data rate
802.11ac(VHT20)	6/6.5 Mbps

5.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC—Registration No.: 381383**

Designation Number: CN5029

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files.

- **IC —Registration No.: 9079A**

CAB identifier: CN0091

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

- **NVLAP (LAB CODE:600179-0)**

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

5.4 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.

Address: No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, sBaoan District, Shenzhen, Guangdong, China 518102

Tel: 0755-27798480

Fax: 0755-27798960

5.5 Description of Support Units

Manufacturer	Description	Model	Serial Number
Lenovo	Notebook PC	E40-80	N/A

5.6 Deviation from Standards

None.

6 Test Instruments list

Radiated Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	July. 02 2020	July. 01 2025
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	June. 24 2021	June. 23 2022
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June. 24 2021	June. 23 2022
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	June. 24 2021	June. 23 2022
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	June. 24 2021	June. 23 2022
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
8	Coaxial Cable	GTS	N/A	GTS213	June. 24 2021	June. 23 2022
9	Coaxial Cable	GTS	N/A	GTS211	June. 24 2021	June. 23 2022
10	Coaxial cable	GTS	N/A	GTS210	June. 24 2021	June. 23 2022
11	Coaxial Cable	GTS	N/A	GTS212	June. 24 2021	June. 23 2022
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June. 24 2021	June. 23 2022
13	Amplifier(2GHz-20GHz)	HP	84722A	GTS206	June. 24 2021	June. 23 2022
14	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June. 24 2021	June. 23 2022
15	Band filter	Amindeon	82346	GTS219	June. 24 2021	June. 23 2022
16	Power Meter	Anritsu	ML2495A	GTS540	June. 24 2021	June. 23 2022
17	Power Sensor	Anritsu	MA2411B	GTS541	June. 24 2021	June. 23 2022
18	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	June. 24 2021	June. 23 2022
19	Splitter	Agilent	11636B	GTS237	June. 24 2021	June. 23 2022
20	Loop Antenna	ZHINAN	ZN30900A	GTS534	June. 24 2021	June. 23 2022
21	Breitband hornantenne	SCHWARZBECK	BBHA 9170	GTS579	Oct. 17 2021	Oct. 16 2022
22	Amplifier	TDK	PA-02-02	GTS574	Oct. 17 2021	Oct. 16 2022
23	Amplifier	TDK	PA-02-03	GTS576	Oct. 17 2021	Oct. 16 2022
24	PSA Series Spectrum Analyzer	Rohde & Schwarz	FSP	GTS578	June. 24 2021	June. 23 2022

Conducted Emission						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Shielding Room	ZhongYu Electron	7.3(L)x3.1(W)x2.9(H)	GTS252	May.14 2022	May.13 2025
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 24 2021	June. 23 2022
3	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	June. 24 2021	June. 23 2022
4	ENV216 2-L-V-NETZNACHB.DE	ROHDE&SCHWARZ	ENV216	GTS226	June. 24 2021	June. 23 2022
5	Coaxial Cable	GTS	N/A	GTS227	N/A	N/A
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
7	Thermo meter	KTJ	TA328	GTS233	June. 24 2021	June. 23 2022
8	Absorbing clamp	Elektronik-Feinmechanik	MDS21	GTS229	June. 24 2021	June. 23 2022
9	ISN	SCHWARZBECK	NTFM 8158	GTS565	June. 24 2021	June. 23 2022
10	High voltage probe	SCHWARZBECK	TK9420	GTS537	July. 09 2021	July. 08 2022

RF Conducted Test:						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	MXA Signal Analyzer	Agilent	N9020A	GTS566	June. 24 2021	June. 23 2022
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 24 2021	June. 23 2022
3	Spectrum Analyzer	Agilent	E4440A	GTS533	June. 24 2021	June. 23 2022
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	June. 24 2021	June. 23 2022
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	June. 24 2021	June. 23 2022
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	June. 24 2021	June. 23 2022
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	June. 24 2021	June. 23 2022
8	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	June. 24 2021	June. 23 2022

General used equipment:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Humidity/ Temperature Indicator	KTJ	TA328	GTS243	June. 24 2021	June. 23 2022
2	Barometer	ChangChun	DYM3	GTS255	June. 24 2021	June. 23 2022

7 Test results and Measurement Data

7.1 Antenna requirement:

Standard requirement:	FCC Part15 C Section 15.203
<i>15.203 requirement:</i> 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.	
E.U.T Antenna:	
<i>The antenna is external antenna, the best case gain of the antenna is 2dBi, reference to the appendix II for details</i>	

7.2 Conducted Emissions

Test Requirement:	FCC Part15 C Section 15.207					
Test Method:	ANSI C63.10:2013					
Test Frequency Range:	150KHz to 30MHz					
Class / Severity:	Class B					
Receiver setup:	RBW=9KHz, VBW=30KHz					
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 procedure	The E.U.T and simulators are connected to the main power through a line impedance stabilization network(L.I.S.N.). The provide a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement.					
Test setup:	Reference Plane <i>Remark: E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m</i>					
Test Instruments:	Refer to section 5.10 for details					
Test mode:	Refer to section 5.2 for details					
Test environment:	Temp.:	25 °C	Humid.:	52%	Press.:	1012mbar
Test voltage:	AC 120V, 60Hz					
Test results:	Pass					

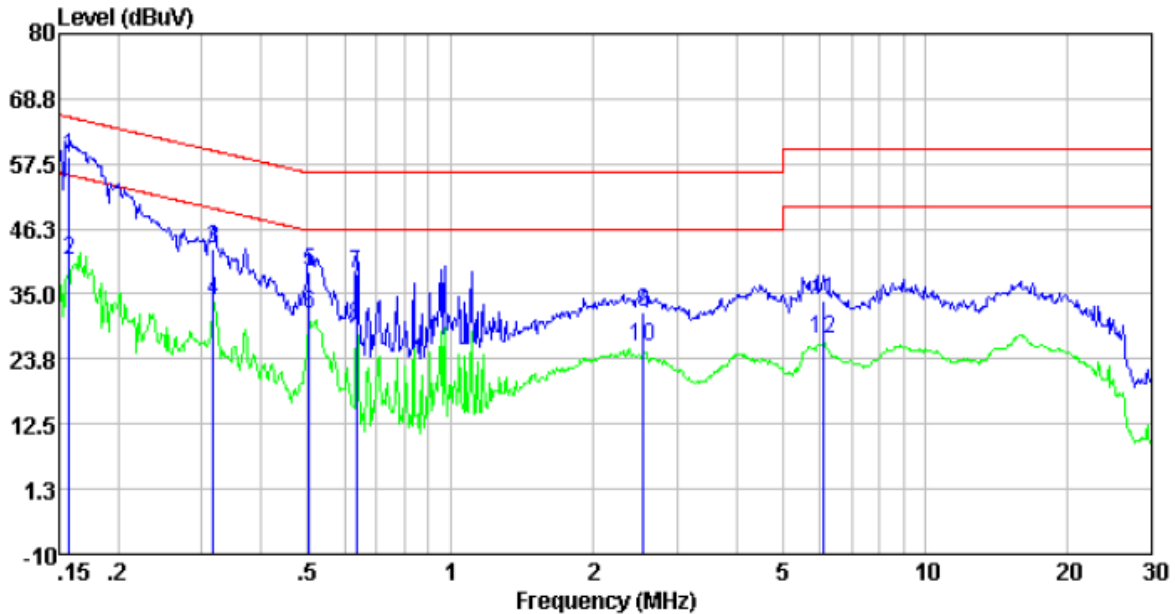
Remark: Both high and low voltages have been tested to show only the worst low voltage test data.

Measurement data:

All antennas have test, only the worst case ANT 1 report.

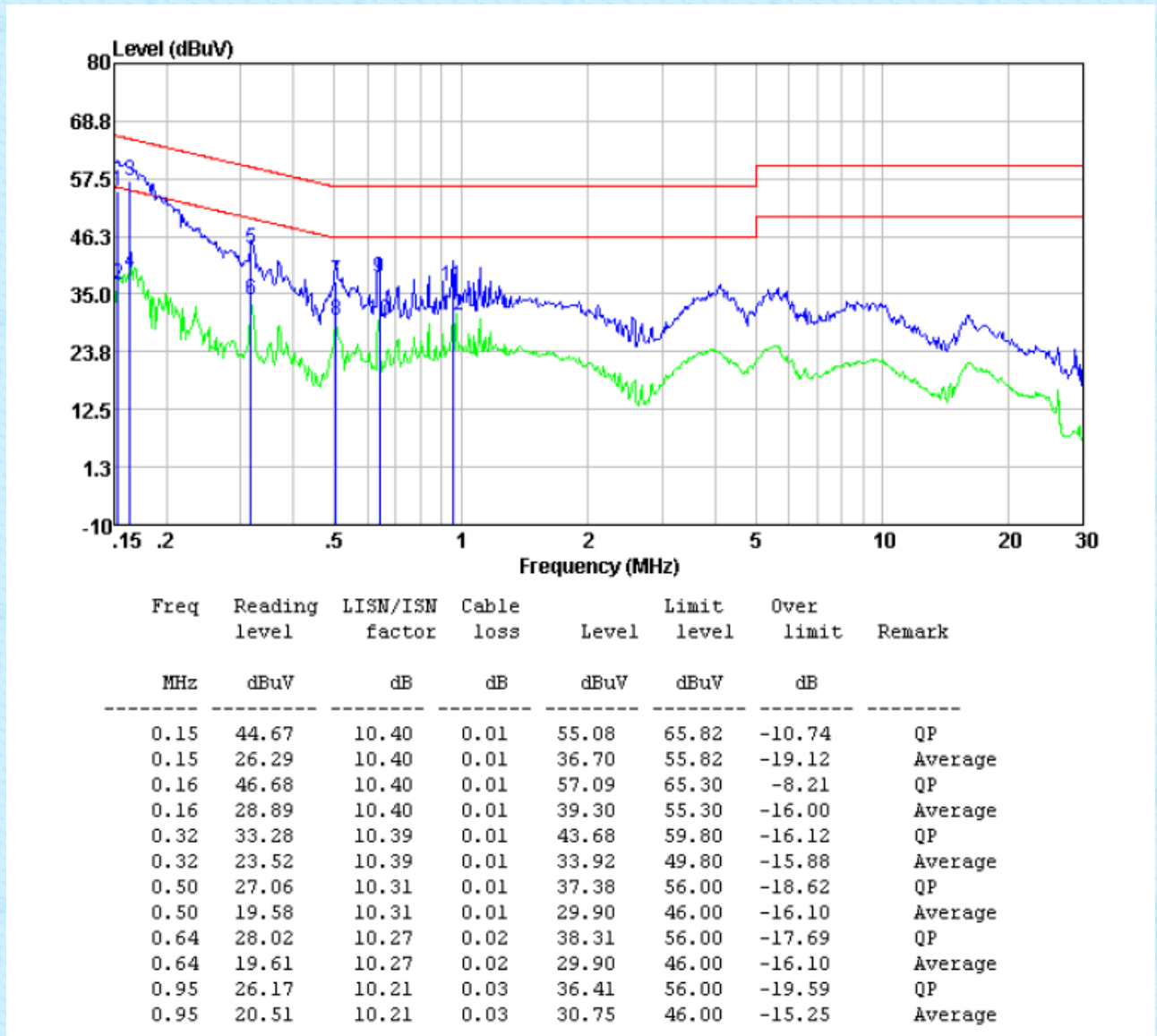
Adapter 1

Line:



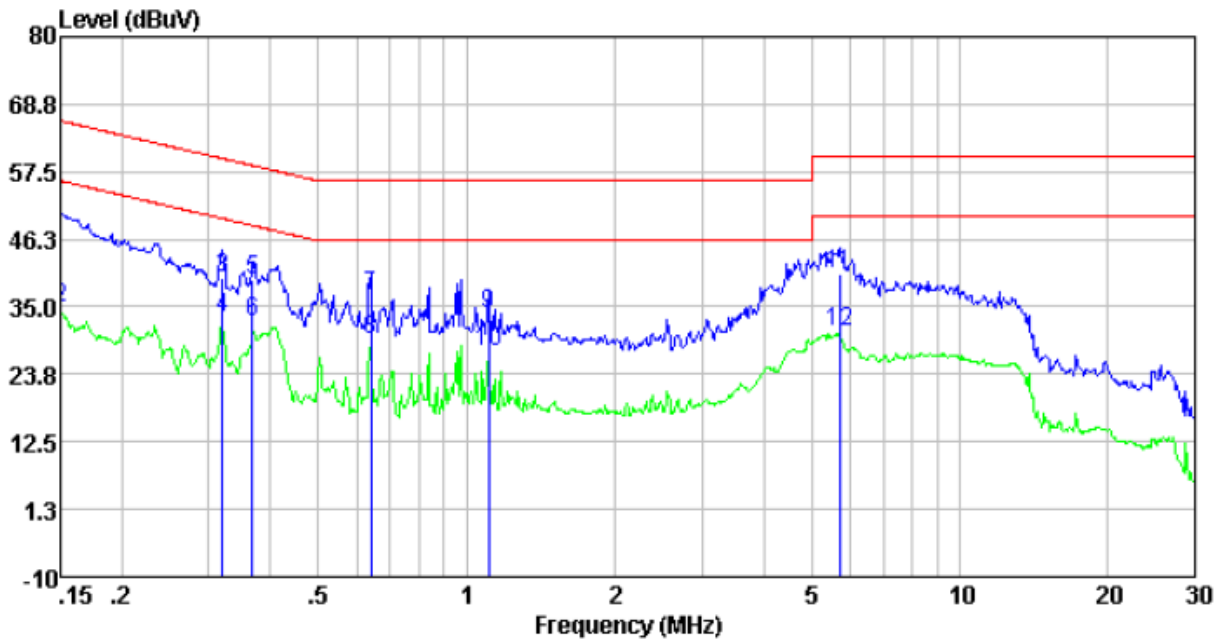
Freq	Reading	LISN/ISN	Cable		Limit	Over	
level	factor	loss	Level	level	limit	Remark	
MHz	dBuV	dB	dB	dBuV	dBuV	dB	
0.16	48.46	10.40	0.01	58.87	65.60	-6.73	QP
0.16	30.46	10.40	0.01	40.87	55.60	-14.73	Average
0.32	32.41	10.39	0.01	42.81	59.80	-16.99	QP
0.32	23.36	10.39	0.01	33.76	49.80	-16.04	Average
0.50	28.53	10.31	0.01	38.85	56.00	-17.15	QP
0.50	21.21	10.31	0.01	31.53	46.00	-14.47	Average
0.63	28.19	10.28	0.02	38.49	56.00	-17.51	QP
0.63	19.28	10.28	0.02	29.58	46.00	-16.42	Average
2.55	21.75	10.20	0.05	32.00	56.00	-24.00	QP
2.55	15.62	10.20	0.05	25.87	46.00	-20.13	Average
6.12	23.64	10.20	0.08	33.92	60.00	-26.08	QP
6.12	17.03	10.20	0.08	27.31	50.00	-22.69	Average

Neutral:



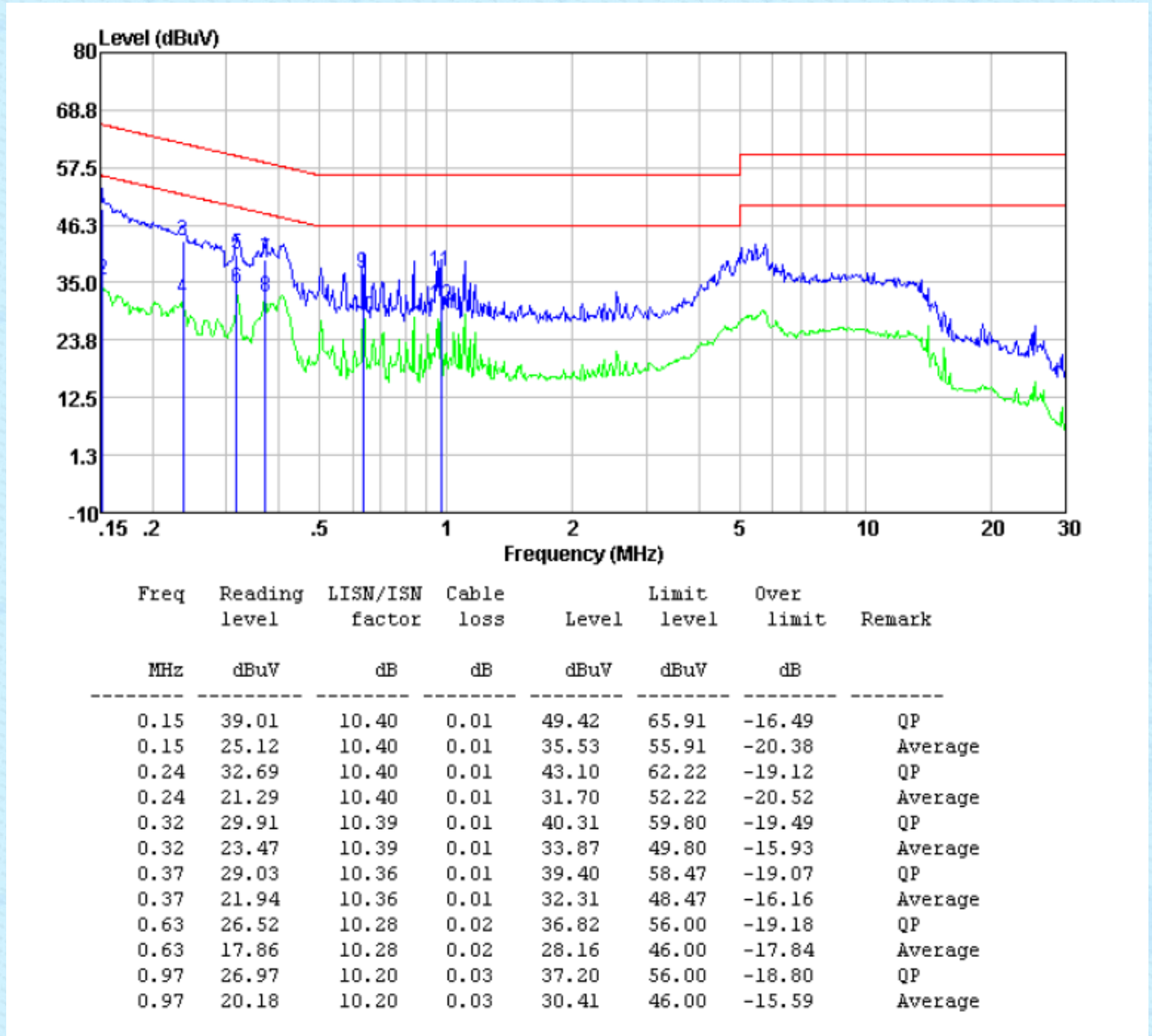
Adapter 2

Line:



Freq	Reading level	LISN/ISN factor	Cable loss	Level	Limit level	Over limit	Remark
MHz	dBuV	dB	dB	dBuV	dBuV	dB	
0.15	37.69	10.40	0.01	48.10	66.00	-17.90	QP
0.15	24.29	10.40	0.01	34.70	56.00	-21.30	Average
0.32	29.42	10.39	0.01	39.82	59.71	-19.89	QP
0.32	22.62	10.39	0.01	33.02	49.71	-16.69	Average
0.37	29.05	10.37	0.01	39.43	58.56	-19.13	QP
0.37	22.08	10.37	0.01	32.46	48.56	-16.10	Average
0.64	26.48	10.27	0.02	36.77	56.00	-19.23	QP
0.64	19.13	10.27	0.02	29.42	46.00	-16.58	Average
1.11	23.62	10.20	0.03	33.85	56.00	-22.15	QP
1.11	17.14	10.20	0.03	27.37	46.00	-18.63	Average
5.71	30.22	10.20	0.07	40.49	60.00	-19.51	QP
5.71	20.59	10.20	0.07	30.86	50.00	-19.14	Average

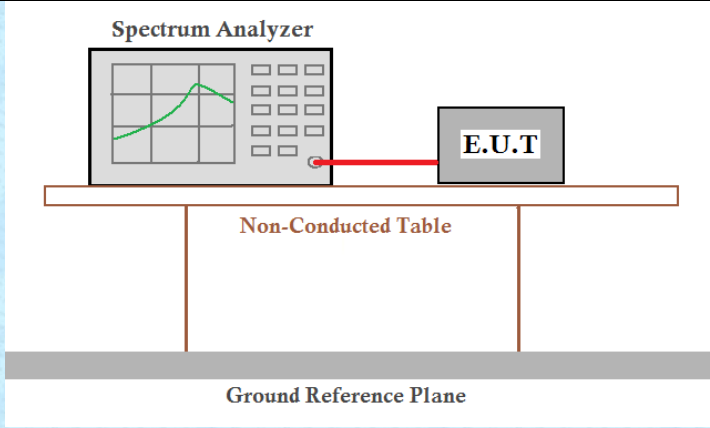
Neutral:



Notes:

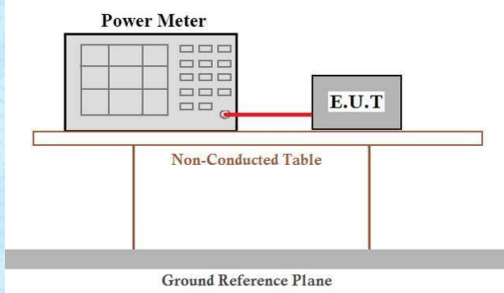
1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Cable Loss

7.3 Emission Bandwidth

Test Requirement :	FCC Part15 E Section 15.407
Test Method :	ANSI C63.10:2013 & KDB 789033 D02 v02r01
Limit:	N/A
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.
Test procedure:	According to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

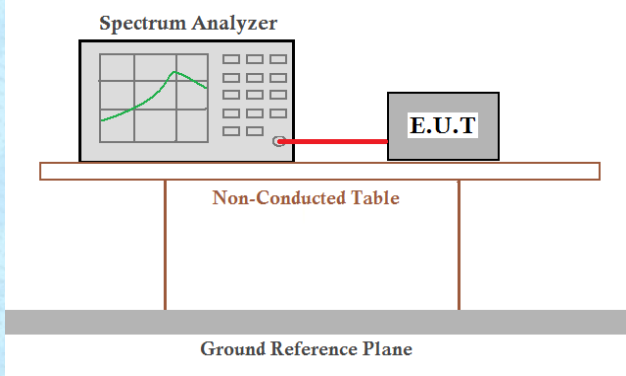
Measurement Data: The detailed test data see Appendix for WIFI_5G.

7.4 Peak Transmit Power

Test Requirement	FCC Part15 E Section 15.407	
Test Method :	ANSI C63.10:2013 & KDB 789033 D02 v02r01	
FCC Limit:	Frequency band (MHz)	Limit
	5150-5250	$\leq 1\text{W}(30\text{dBm})$ for master device
		$\leq 250\text{Mw}(23.98\text{dBm})$ for client device
	5250-5350	$\leq 250\text{Mw}(23.98\text{dBm})$ for client device or $11\text{dBm}+10\log B^*$
	5470-5725	$\leq 250\text{Mw}(23.98\text{dBm})$ for client device or $11\text{dBm}+10\log B^*$
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.		
IC Limit:	the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log 10B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz	
Test setup:		
Test procedure:	Measurement using an RF average power meter (i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied a) The EUT is configured to transmit continuously or to transmit with a constant duty cycle. b) At all times when the EUT is transmitting, it must be transmitting at its maximum power control level. c) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five. (ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in section B). (iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter. (iv) Adjust the measurement in dBm by adding $10 \log(1/x)$ where x is the duty cycle (e.g., $10\log(1/0.25)$ if the duty cycle is 25 percent).	
Test Instruments:	Refer to section 6.0 for details	
Test mode:	Refer to section 5.2 for details	
Test results:	Pass	

Measurement Data: The detailed test data see Appendix for WIFI_5G.

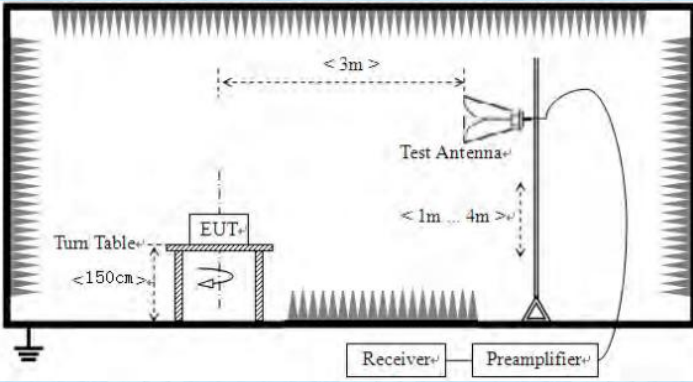
7.5 Power Spectral Density

Test Requirement:	FCC Part15 E Section 15.407	
Test Method :	ANSI C63.10:2013 & KDB 789033 D02 v02r01	
FCC Limit:	Frequency band (MHz)	Limit
	5150-5250	≤17dBm in 1MHz for master device
		≤11dBm in 1MHz for client device
	5250-5350	≤11dBm in 1MHz for client device
	5470-5725	≤11dBm in 1MHz for client device
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.		
IC Limit:	e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.	
Test setup:		
Test procedure:	1) Create an average power spectrum for the EUT operating mode being tested by following the instructions in section E2) for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, "Compute power...". 2) Use the peak search function on the instrument to find the peak of the spectrum. 3) Make the following adjustments to the peak value of the spectrum, if applicable: a) If Method SA-2 or SA-2 Alternative was used, add $10 \log(1/x)$, where x is the duty cycle, to the peak of the spectrum. b) If Method SA-3 Alternative was used and the linear mode was used in step E2)g)(viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging. 4) The result is the PSD.	
Test Instruments:	Refer to section 6.0 for details	
Test mode:	Refer to section 5.2 for details	
Test results:	Pass	

Measurement Data: The detailed test data see Appendix for WIFI_5G.

7.6 Band Edge

Test Requirement:	FCC Part15 E Section 15.407 and 15.205				
Test Method:	ANSI C63.10:2013				
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver setup:					
	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
AV		1MHz	3MHz	Average Value	
Limit:					
	Frequency		Limit (dBuV/m @3m)		Remark
	30MHz-88MHz		40.0		Quasi-peak Value
	88MHz-216MHz		43.5		Quasi-peak Value
	216MHz-960MHz		46.0		Quasi-peak Value
	960MHz-1GHz		54.0		Quasi-peak Value
	Above 1GHz		54.0		Average Value
			68.2		Peak Value
	Undesirable emission 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 EIRP 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 EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band.				
	(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 EIRP of -27 dBm/MHz.				
Test Procedure:	a. The EUT was placed on the top of a rotating table 1.5 m above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.				
	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 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				

Test setup:	For radiated emissions above 1GHz 
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Remarks:

- Only the worst case Main Antenna test data.
- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- The emission levels of other frequencies are very lower than the limit and not show in test report.
- The pre-test were performed on lowest, middle and highest frequencies, only the worst case's (lowest and highest frequencies) data was showed.
- According to KDB 789033 D02 v02r01 section G) 1) (d), for For measurements above 1000 MHz @ 3m distance, the limit of field strength is computed as follows:
 $E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2;$
For example, if $\text{EIRP} = -27\text{dBm}$
 $E[\text{dBuV/m}] = -27 + 95.2 = 68.2\text{dBuV/m}.$

Measurement Data:

All adapter have test, only the worst case adapter 1 report.

Above 1GHz

ANT 1:

Worse case mode:		802.11ac(VHT20)		Test Frequency:		5180MHz	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	50.00	-3.63	46.37	68.20	-21.83	peak	H
5150	46.82	-3.63	43.19	54.00	-10.81	AVG	H
5150	52.50	-3.63	48.87	68.20	-19.33	peak	V
5150	45.17	-3.63	41.54	54.00	-12.46	AVG	V

Worse case mode:		802.11ac(VHT20)		Test Frequency:		5240MHz	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350	49.32	-3.59	45.73	68.20	-22.47	peak	H
5350	45.62	-3.59	42.03	54.00	-11.97	AVG	H
5350	49.90	-3.59	46.31	68.20	-21.89	peak	V
5350	44.28	-3.59	40.69	54.00	-13.31	AVG	V

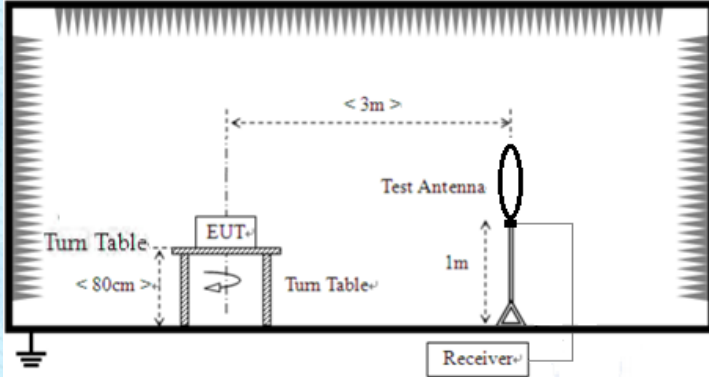
ANT 2:

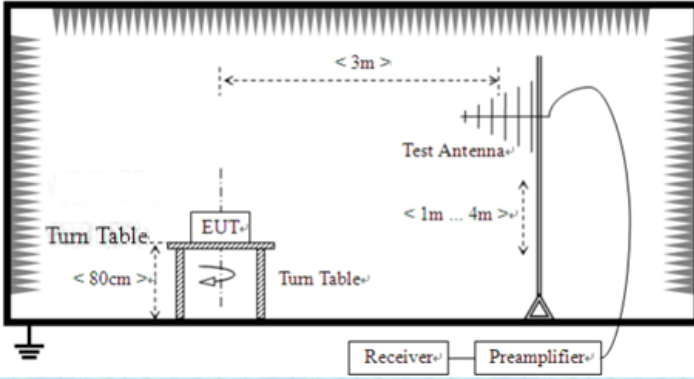
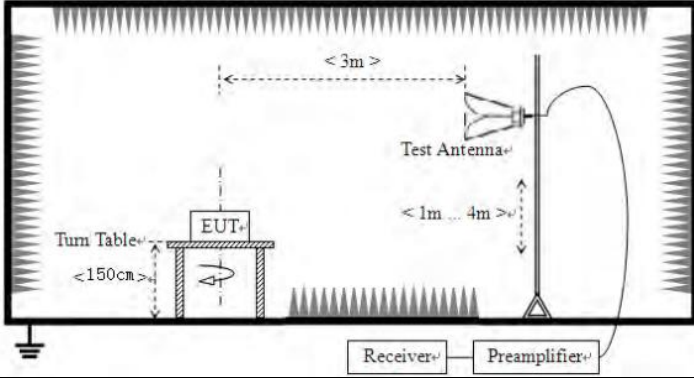
Worse case mode:		802.11ac(VHT20)		Test Frequency:		5180MHz	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	51.09	-3.63	47.46	68.20	-20.74	peak	H
5150	46.54	-3.63	42.91	54.00	-11.09	AVG	H
5150	52.36	-3.63	48.73	68.20	-19.47	peak	V
5150	46.02	-3.63	42.39	54.00	-11.61	AVG	V

Worse case mode:		802.11ac(VHT20)		Test Frequency:		5240MHz	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350	49.34	-3.59	45.75	68.20	-22.45	peak	H
5350	45.76	-3.59	42.17	54.00	-11.83	AVG	H
5350	51.19	-3.59	47.60	68.20	-20.60	peak	V
5350	44.57	-3.59	40.98	54.00	-13.02	AVG	V

7.7 Radiated Emission

Test Requirement :	FCC Part15 C Section 15.209 and 15.205																												
Test Method :	ANSI C63.10: 2013																												
Test Frequency Range:	9kHz to 40GHz																												
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)																												
Receiver setup:	Frequency	Detector	RBW	VBW	Value																								
	9kHz-150KHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value																								
	150kHz-30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value																								
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value																								
	Above 1GHz	Peak	1MHz	3MHz	Peak Value																								
		AV	1MHz	3MHz	Average Value																								
FCC Limit:	<table><tr><th>Frequency (MHz)</th><th>Field strength (microvolts/meter)</th><th>Measurement distance (meters)</th></tr><tr><td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr><tr><td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr><tr><td>1.705-30.0</td><td>30</td><td>30</td></tr><tr><td>30-88</td><td>100**</td><td>3</td></tr><tr><td>88-216</td><td>150**</td><td>3</td></tr><tr><td>216-960</td><td>200**</td><td>3</td></tr><tr><td>Above 960</td><td>500</td><td>3</td></tr></table>					Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)	0.009-0.490	2400/F(kHz)	300	0.490-1.705	24000/F(kHz)	30	1.705-30.0	30	30	30-88	100**	3	88-216	150**	3	216-960	200**	3	Above 960	500	3
	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)																										
	0.009-0.490	2400/F(kHz)	300																										
	0.490-1.705	24000/F(kHz)	30																										
	1.705-30.0	30	30																										
	30-88	100**	3																										
	88-216	150**	3																										
	216-960	200**	3																										
	Above 960	500	3																										
	The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.																												
Test Procedure:	Substitution method was performed to determine the actual ERP emission levels of the EUT.																												
	The following test procedure as below:																												
	1>.Below 1GHz test procedure:																												
	1. The EUT was placed on the top of a rotating table (0.8m for below 1GHz and 1.5 meters for above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.																												
	2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.																												
	3. 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.																												
	4. 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 and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.																												
	5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.																												
	6. 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.																												
	2>.Above 1GHz test procedure:																												
	1. On the test site as test setup graph above,the EUT shall be placed at the 0.8m support on the turntable and in the position closest to normal																												

	use as declared by the provider. - The test antenna shall be oriented initially for vertical polarization and shall be chosen to correspond to the frequency of the transmitter. The output of the test antenna shall be connected to the measuring receiver. - The transmitter shall be switched on, if possible, without modulation and the measuring receiver shall be tuned to the frequency of the transmitter under test. - The test antenna shall be raised and lowered from 1m to 4m until a maximum signal level is detected by the measuring receiver. Then the turntable should be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver. - Repeat step 4 for test frequency with the test antenna polarized horizontally. - Remove the transmitter and replace it with a substitution antenna - Feed the substitution antenna at the transmitter end with a signal generator connected to the antenna by means of a nonradiating cable. With the antennas at both ends vertically polarized, and with the signal generator tuned to a particular test frequency, raise and lower the test antenna to obtain a maximum reading at the spectrum analyzer. Adjust the level of the signal generator output until the previously recorded maximum reading for this set of conditions is obtained. This should be done carefully repeating the adjustment of the test antenna and generator output. - Repeat step 7 with both antennas horizontally polarized for each test frequency. - Calculate power in dBm into a reference ideal half-wave dipole antenna by reducing the readings obtained in steps 7 and 8 by the power loss in the cable between the generator and the antenna, and further corrected for the gain of the substitution antenna used relative to an ideal half-wave dipole antenna by the following formula: $\text{EIRP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}$ where: Pg is the generator output power into the substitution antenna.
Test setup:	For radiated emissions from 9kHz to 30MHz  For radiated emissions from 30MHz to 1GHz

	 For radiated emissions above 1GHz 
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test environment:	Temp.: 25 °C Humid.: 52% Press.: 1012mbar
Test voltage:	AC 120V, 60Hz
Test results:	Pass

Remarks:

1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

Measurement Data:

9 kHz ~ 30 MHz

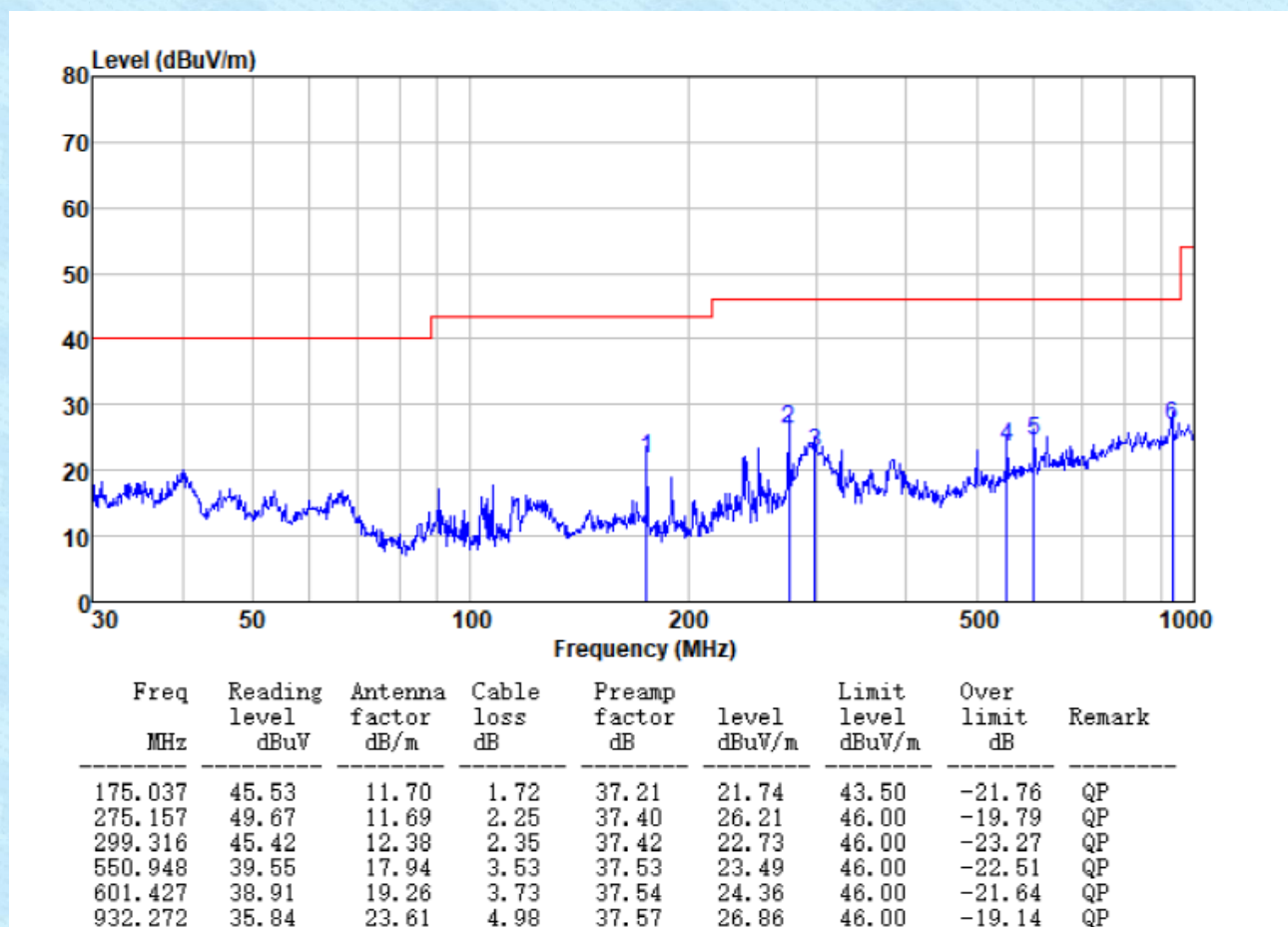
The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

All antennas have test, only the worst case ANT 1 report.

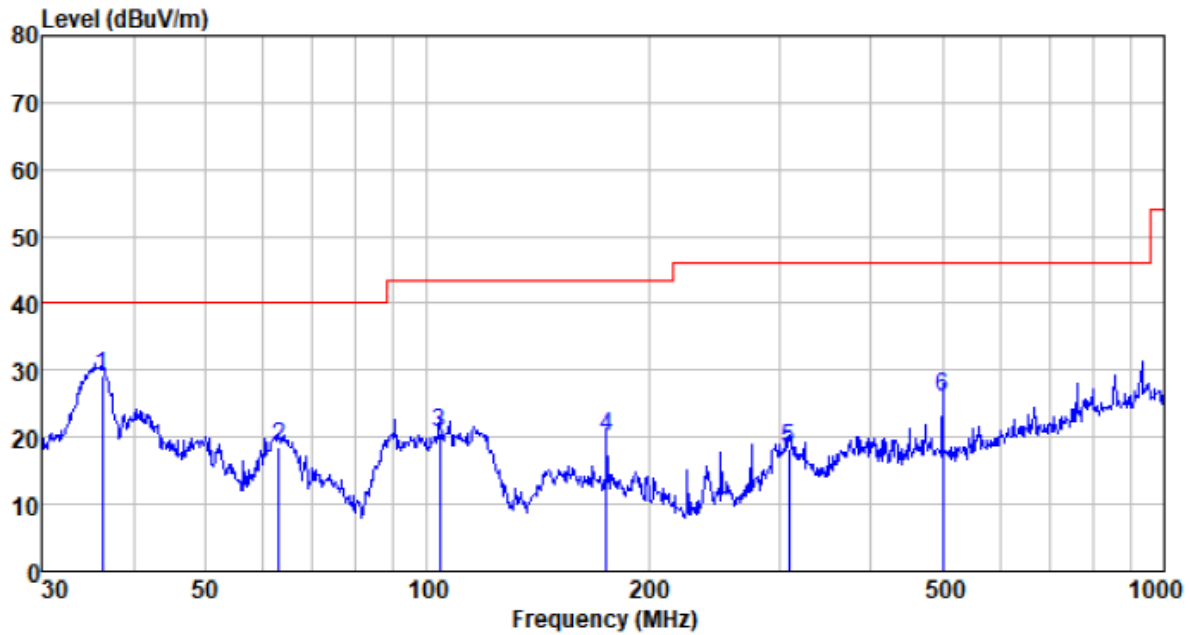
Adapter 1:

30MHz~ 1GH

Test mode:	802.11ac(VHT20)	Test channel:	Lowest	Polarization:	Horizontal
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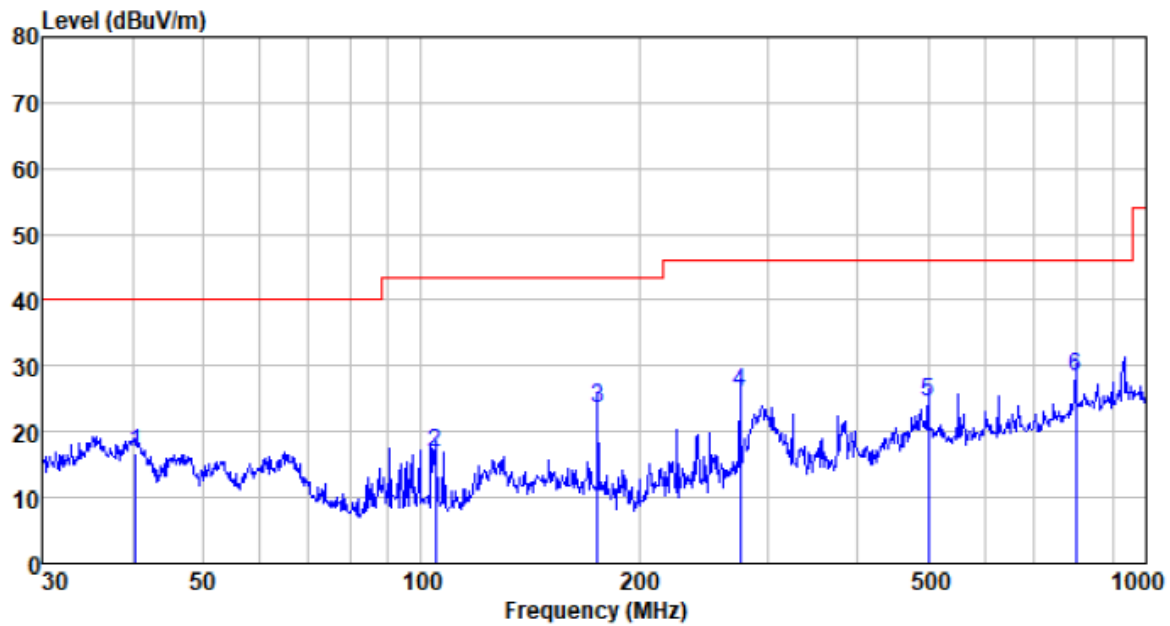


Test mode:	802.11ac(VHT20)	Test channel:	Lowest	Polarization:	Vertical
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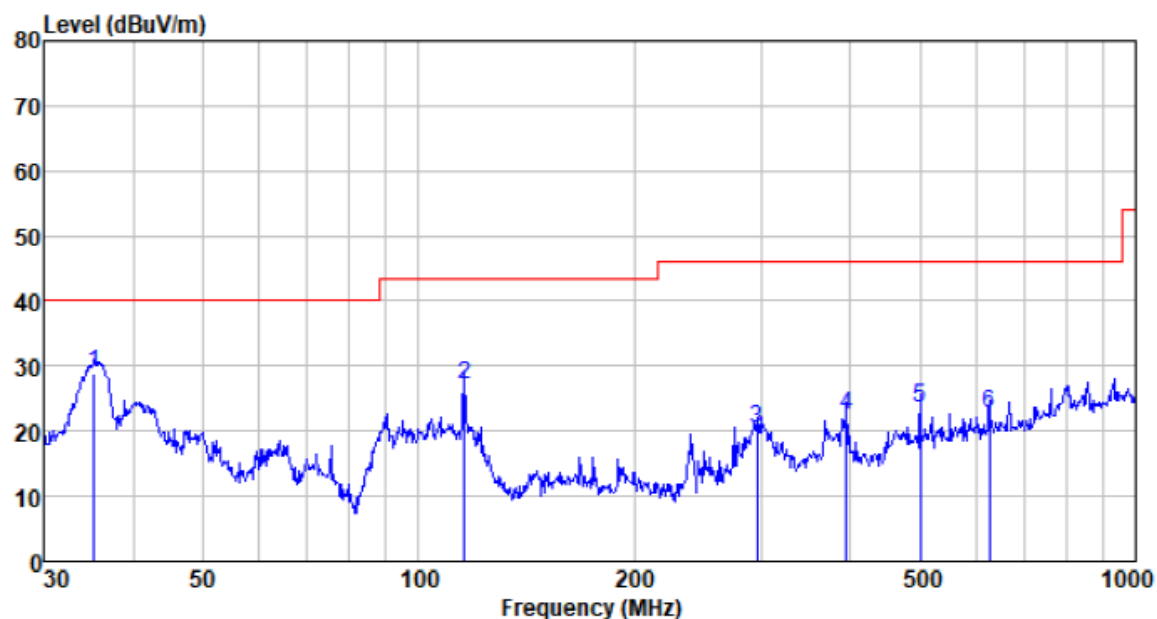
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
36.254	51.27	12.69	0.62	35.44	29.14	40.00	-10.86	QP
62.871	42.24	11.82	0.88	36.36	18.58	40.00	-21.42	QP
104.170	46.76	9.47	1.23	36.76	20.70	43.50	-22.80	QP
175.037	43.97	11.70	1.72	37.21	20.18	43.50	-23.32	QP
309.998	40.76	12.68	2.42	37.43	18.43	46.00	-27.57	QP
501.179	43.51	16.65	3.31	37.51	25.96	46.00	-20.04	QP

Test mode:	802.11ac(VHT20)	Test channel:	Middle	Polarization:	Horizontal
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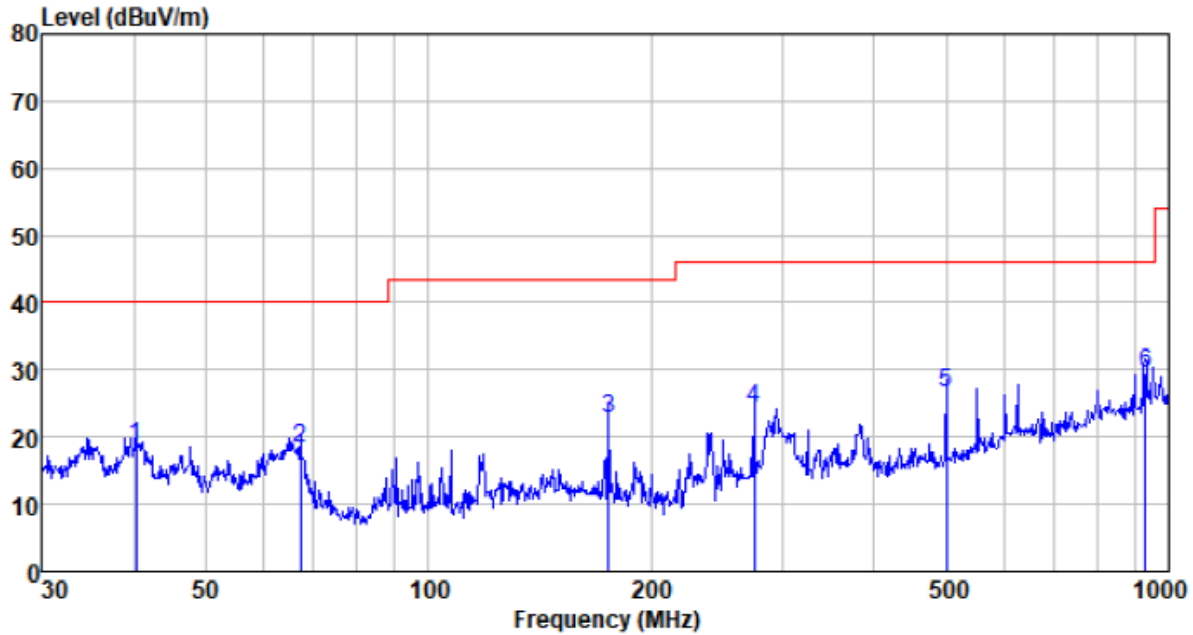
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
40.417	38.69	13.23	0.66	35.69	16.89	40.00	-23.11	QP
104.536	42.77	9.50	1.23	36.76	16.74	43.50	-26.76	QP
175.037	47.36	11.70	1.72	37.21	23.57	43.50	-19.93	QP
275.157	49.37	11.69	2.25	37.40	25.91	46.00	-20.09	QP
501.179	42.14	16.65	3.31	37.51	24.59	46.00	-21.41	QP
798.980	39.33	22.23	4.45	37.62	28.39	46.00	-17.61	QP

Test mode:	802.11ac(VHT20)	Test channel:	Middle	Polarization:	Vertical
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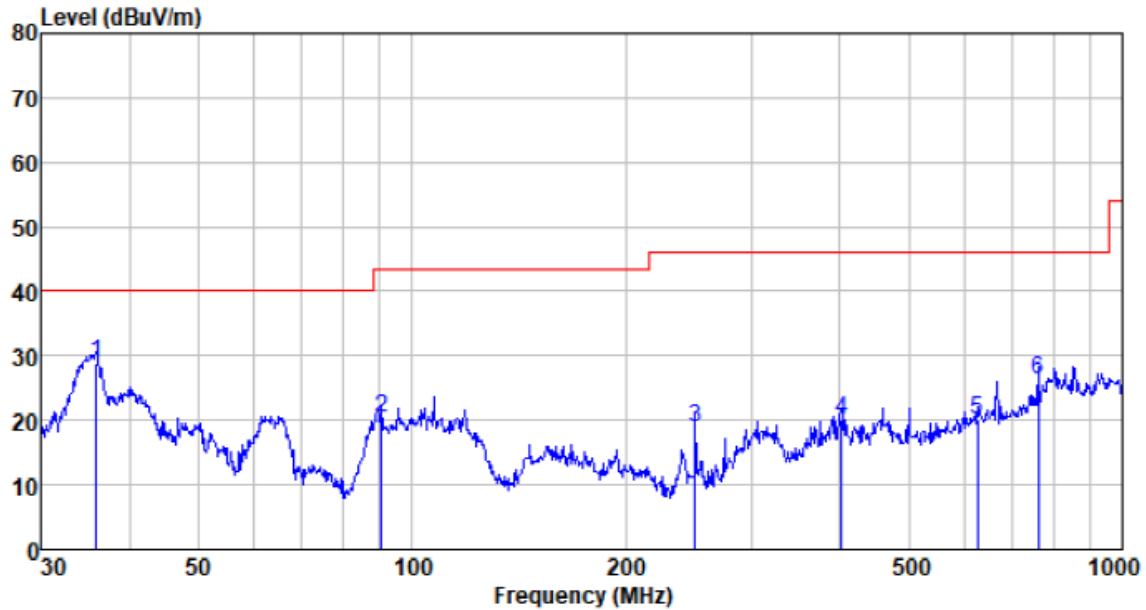
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
35.251	51.12	12.54	0.61	35.37	28.90	40.00	-11.10	QP
115.726	52.04	10.56	1.33	36.85	27.08	43.50	-16.42	QP
296.184	43.08	12.29	2.34	37.42	20.29	46.00	-25.71	QP
394.855	42.46	14.60	2.83	37.52	22.37	46.00	-23.63	QP
501.179	41.14	16.65	3.31	37.51	23.59	46.00	-22.41	QP
625.078	36.76	19.71	3.82	37.56	22.73	46.00	-23.27	QP

Test mode:	802.11ac(VHT20)	Test channel:	Highest	Polarization:	Horizontal
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
40.276	40.30	13.24	0.66	35.68	18.52	40.00	-21.48	QP
67.202	42.65	11.08	0.92	36.41	18.24	40.00	-21.76	QP
175.037	46.47	11.70	1.72	37.21	22.68	43.50	-20.82	QP
275.157	47.67	11.69	2.25	37.40	24.21	46.00	-21.79	QP
501.179	44.16	16.65	3.31	37.51	26.61	46.00	-19.39	QP
929.008	38.58	23.55	4.96	37.57	29.52	46.00	-16.48	QP

Test mode:	802.11ac(VHT20)	Test channel:	Highest	Polarization:	Vertical
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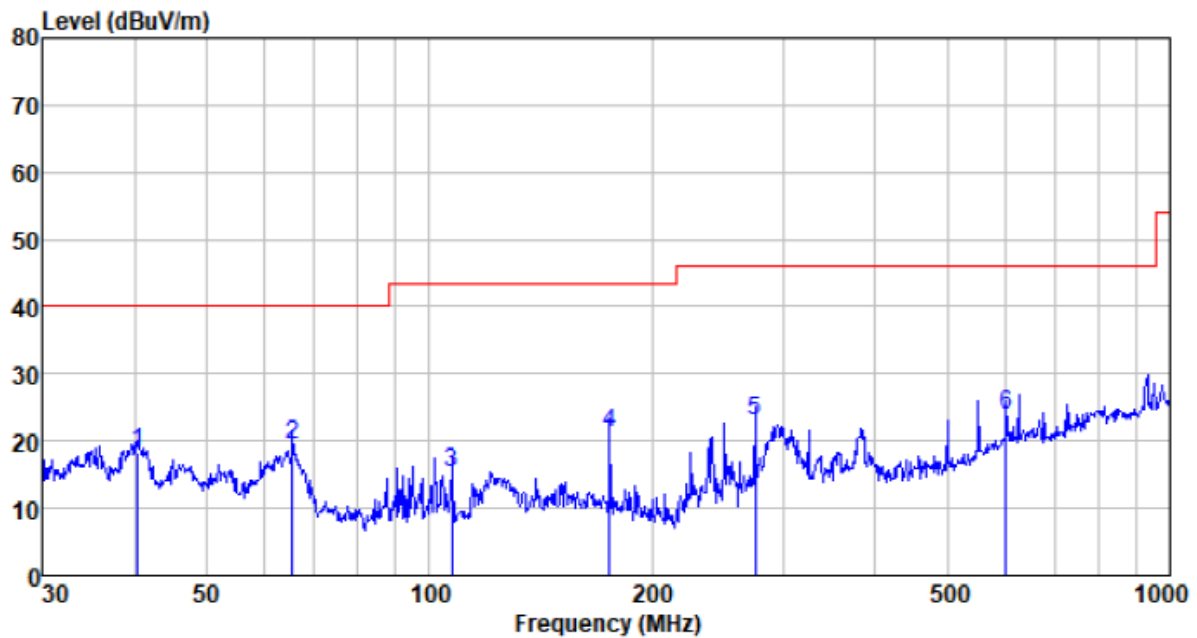


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
35.875	50.94	12.63	0.62	35.41	28.78	40.00	-11.22	QP
90.537	47.36	8.48	1.11	36.64	20.31	43.50	-23.19	QP
250.301	43.42	10.74	2.12	37.38	18.90	46.00	-27.10	QP
401.839	39.88	14.75	2.86	37.52	19.97	46.00	-26.03	QP
625.078	34.17	19.71	3.82	37.56	20.14	46.00	-25.86	QP
760.704	37.87	21.70	4.32	37.62	26.27	46.00	-19.73	QP

Adapter 2:

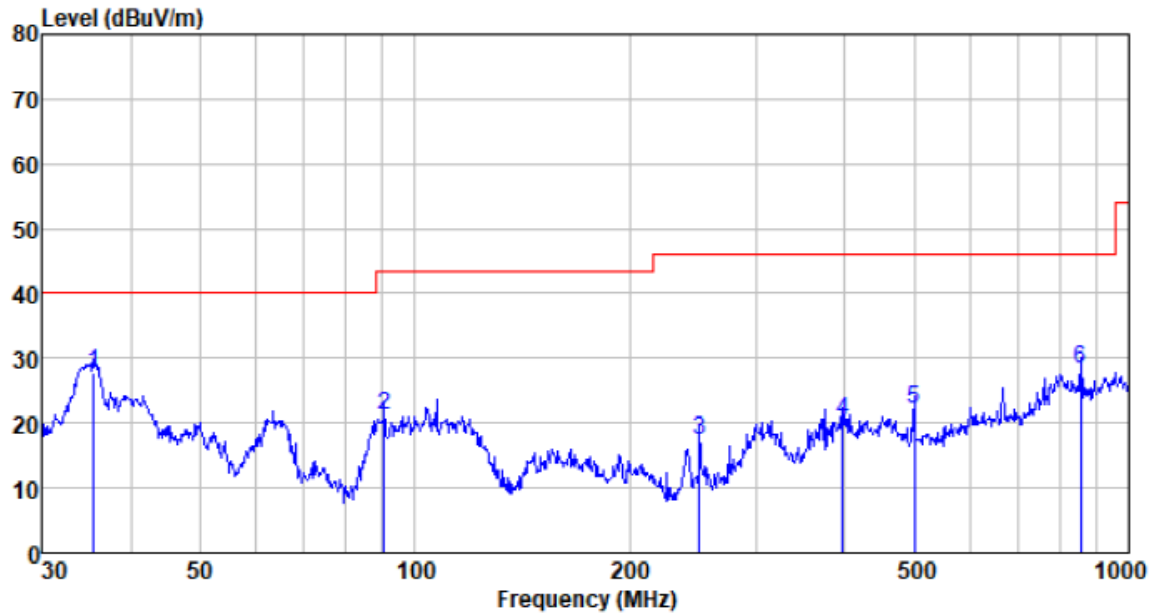
30MHz~ 1GHz

Test mode:	802.11ac(VHT20)	Test channel:	Lowest	Polarziation:	Horizontal
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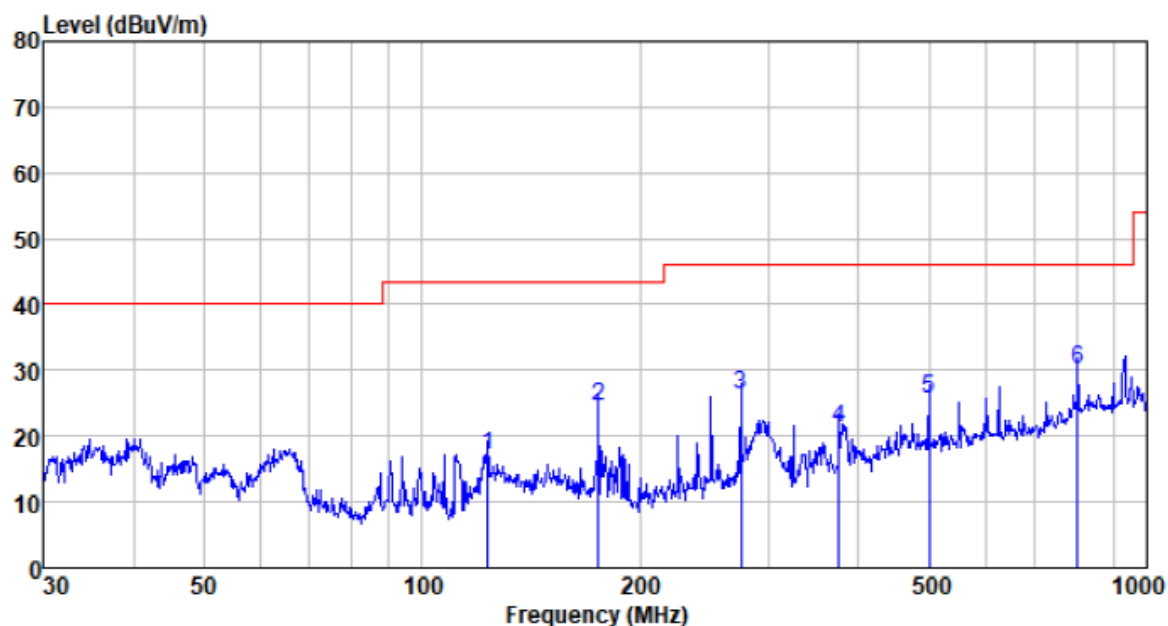
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
40.417	40.00	13.23	0.66	35.69	18.20	40.00	-21.80	QP
65.343	43.66	11.40	0.90	36.39	19.57	40.00	-20.43	QP
107.134	41.27	9.73	1.25	36.78	15.47	43.50	-28.03	QP
175.037	44.97	11.70	1.72	37.21	21.18	43.50	-22.32	QP
275.157	46.43	11.69	2.25	37.40	22.97	46.00	-23.03	QP
601.427	38.61	19.26	3.73	37.54	24.06	46.00	-21.94	QP

Test mode:	802.11ac(VHT20)	Test channel:	Lowest	Polarization:	Vertical
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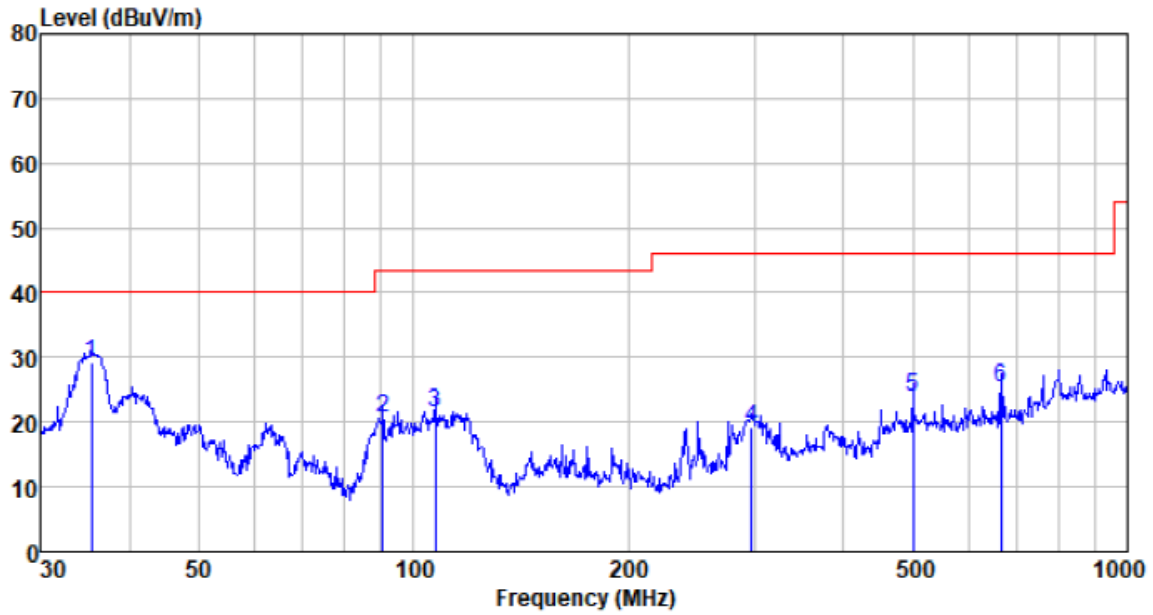
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
35.499	49.94	12.58	0.61	35.39	27.74	40.00	-12.26	QP
90.537	48.35	8.48	1.11	36.64	21.30	43.50	-22.20	QP
250.301	41.93	10.74	2.12	37.38	17.41	46.00	-28.59	QP
397.633	40.47	14.65	2.84	37.52	20.44	46.00	-25.56	QP
501.179	39.82	16.65	3.31	37.51	22.27	46.00	-23.73	QP
857.025	38.53	22.64	4.68	37.61	28.24	46.00	-17.76	QP

Test mode:	802.11ac(VHT20)	Test channel:	Middle	Polarziation:	Horizontal
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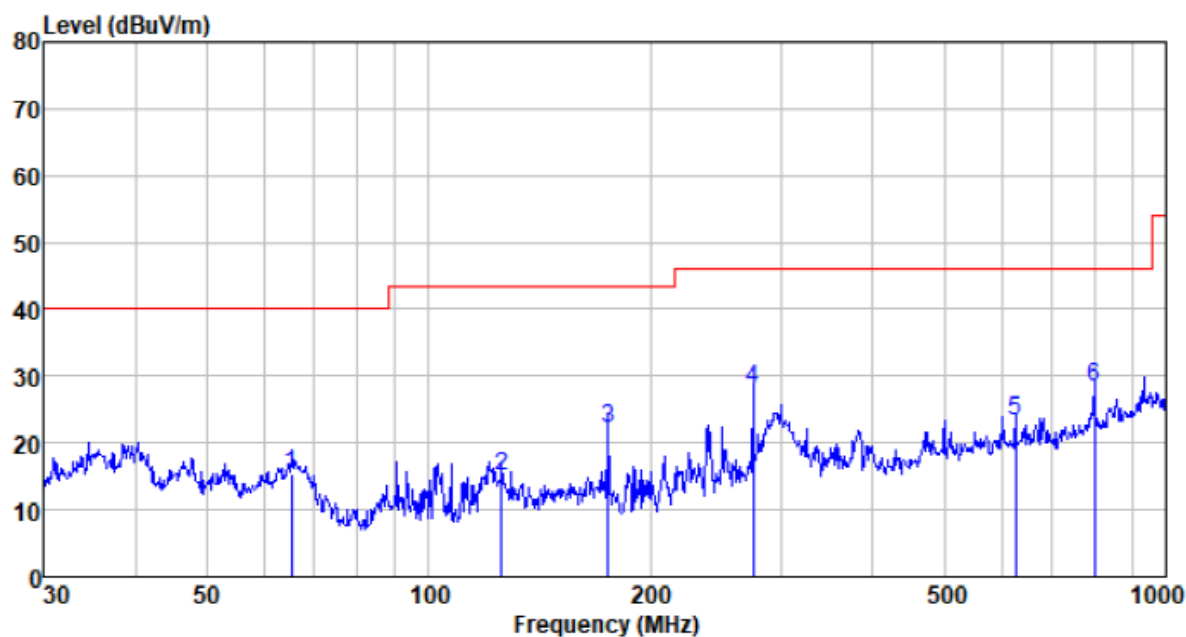
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
123.266	41.37	11.20	1.38	36.90	17.05	43.50	-26.45	QP
175.037	48.27	11.70	1.72	37.21	24.48	43.50	-19.02	QP
275.157	49.63	11.69	2.25	37.40	26.17	46.00	-19.83	QP
375.939	41.74	14.21	2.75	37.50	21.20	46.00	-24.80	QP
501.179	43.20	16.65	3.31	37.51	25.65	46.00	-20.35	QP
801.786	40.89	22.25	4.46	37.62	29.98	46.00	-16.02	QP

Test mode:	802.11ac(VHT20)	Test channel:	Middle	Polarization:	Vertical
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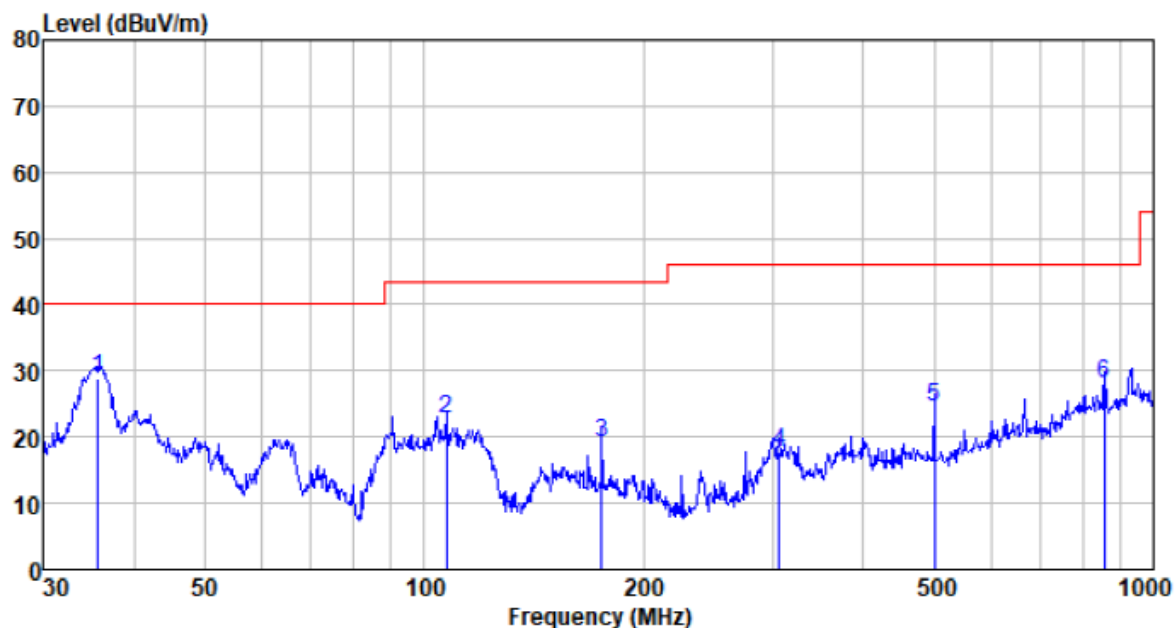
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
35.375	51.33	12.56	0.61	35.38	29.12	40.00	-10.88	QP
90.537	47.64	8.48	1.11	36.64	20.59	43.50	-22.91	QP
107.134	47.31	9.73	1.25	36.78	21.51	43.50	-21.99	QP
297.224	41.99	12.32	2.35	37.42	19.24	46.00	-26.76	QP
501.179	41.52	16.65	3.31	37.51	23.97	46.00	-22.03	QP
665.804	39.04	20.04	3.97	37.60	25.45	46.00	-20.55	QP

Test mode:	802.11ac(VHT20)	Test channel:	Highest	Polarization:	Horizontal
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
65.114	39.38	11.44	0.90	36.39	15.33	40.00	-24.67	QP
125.446	39.18	11.34	1.40	36.92	15.00	43.50	-28.50	QP
175.037	45.94	11.70	1.72	37.21	22.15	43.50	-21.35	QP
275.157	51.37	11.69	2.25	37.40	27.91	46.00	-18.09	QP
625.078	37.45	19.71	3.82	37.56	23.42	46.00	-22.58	QP
798.980	39.19	22.23	4.45	37.62	28.25	46.00	-17.75	QP

Test mode:	802.11ac(VHT20)	Test channel:	Highest	Polarization:	Vertical
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
35.749	51.02	12.61	0.62	35.41	28.84	40.00	-11.16	QP
107.134	48.64	9.73	1.25	36.78	22.84	43.50	-20.66	QP
175.037	42.99	11.70	1.72	37.21	19.20	43.50	-24.30	QP
306.754	40.30	12.59	2.39	37.43	17.85	46.00	-28.15	QP
501.179	42.10	16.65	3.31	37.51	24.55	46.00	-21.45	QP
857.025	38.22	22.64	4.68	37.61	27.93	46.00	-18.07	QP

Above 1GHz**ANT 1:**

802.11ac(VHT20) 5180MHz					PK			
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	27.88	38.96	8.27	35.64	39.47	68.20	-28.73	Vertical
15540	29.06	38.40	10.57	35.35	42.68	68.20	-25.52	Vertical
10360	29.01	38.96	8.27	35.64	40.60	68.20	-27.60	Horizontal
15540	27.56	38.40	10.57	35.35	41.18	68.20	-27.02	Horizontal
802.11ac(VHT20) 5180MHz					AV			
10360	18.76	38.96	8.27	35.64	30.35	54.00	-23.65	Vertical
15540	17.54	38.40	10.57	35.35	31.16	54.00	-22.84	Vertical
10360	19.33	38.96	8.27	35.64	30.92	54.00	-23.08	Horizontal
15540	22.42	38.40	10.57	35.35	36.04	54.00	-17.96	Horizontal

802.11ac(VHT20) 5200MHz					PK			
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	29.17	39.01	8.29	35.67	40.80	68.20	-27.40	Vertical
15600	29.01	38.30	10.62	35.36	42.57	68.20	-25.63	Vertical
10400	25.03	39.01	8.29	35.67	36.66	68.20	-31.54	Horizontal
15600	26.09	38.30	10.62	35.36	39.65	68.20	-28.55	Horizontal
802.11ac(VHT20) 5200MHz					AV			
10400	20.68	39.01	8.29	35.67	32.31	54.00	-21.69	Vertical
15600	18.90	38.30	10.62	35.36	32.46	54.00	-21.54	Vertical
10400	19.27	39.01	8.29	35.67	30.90	54.00	-23.10	Horizontal
15600	20.49	38.30	10.62	35.36	34.05	54.00	-19.95	Horizontal

802.11ac(VHT20) 5240MHz					PK			
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	30.11	39.15	8.32	35.78	41.80	68.20	-26.40	Vertical
15720	27.58	38.00	10.72	35.37	40.93	68.20	-27.27	Vertical
10480	29.78	39.15	8.32	35.78	41.47	68.20	-26.73	Horizontal
15720	29.25	38.00	10.72	35.37	42.60	68.20	-25.60	Horizontal
802.11ac(VHT20) 5240MHz					AV			
10480	19.98	39.15	8.32	35.78	31.67	54.00	-22.33	Vertical
15720	21.98	38.00	10.72	35.37	35.33	54.00	-18.67	Vertical
10480	17.27	39.15	8.32	35.78	28.96	54.00	-25.04	Horizontal
15720	19.32	38.00	10.72	35.37	32.67	54.00	-21.33	Horizontal

ANT 2:

802.11ac(VHT20) 5180MHz					PK			
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	27.81	38.96	8.27	35.64	39.40	68.20	-28.80	Vertical
15540	29.54	38.40	10.57	35.35	43.16	68.20	-25.04	Vertical
10360	29.28	38.96	8.27	35.64	40.87	68.20	-27.33	Horizontal
15540	27.45	38.40	10.57	35.35	41.07	68.20	-27.13	Horizontal
802.11ac(VHT20) 5180MHz					AV			
10360	19.43	38.96	8.27	35.64	31.02	54.00	-22.98	Vertical
15540	17.92	38.40	10.57	35.35	31.54	54.00	-22.46	Vertical
10360	19.23	38.96	8.27	35.64	30.82	54.00	-23.18	Horizontal
15540	22.90	38.40	10.57	35.35	36.52	54.00	-17.48	Horizontal

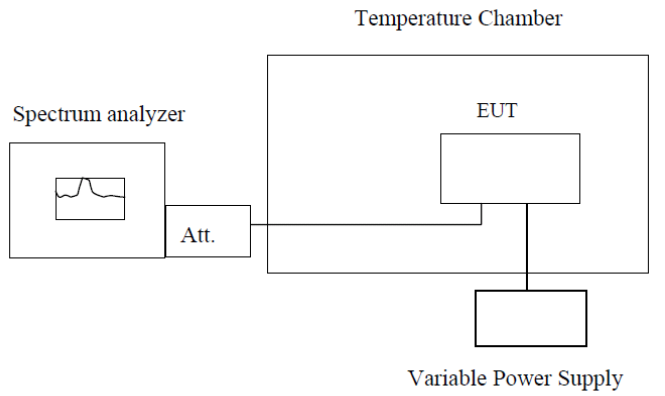
802.11ac(VHT20) 5200MHz					PK			
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10400	29.51	39.01	8.29	35.67	41.14	68.20	-27.06	Vertical
15600	28.92	38.30	10.62	35.36	42.48	68.20	-25.72	Vertical
10400	24.98	39.01	8.29	35.67	36.61	68.20	-31.59	Horizontal
15600	26.36	38.30	10.62	35.36	39.92	68.20	-28.28	Horizontal
802.11ac(VHT20) 5200MHz					AV			
10400	20.51	39.01	8.29	35.67	32.14	54.00	-21.86	Vertical
15600	18.84	38.30	10.62	35.36	32.40	54.00	-21.60	Vertical
10400	19.60	39.01	8.29	35.67	31.23	54.00	-22.77	Horizontal
15600	20.43	38.30	10.62	35.36	33.99	54.00	-20.01	Horizontal

802.11ac(VHT20) 5240MHz					PK			
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	30.10	39.15	8.32	35.78	41.79	68.20	-26.41	Vertical
15720	27.85	38.00	10.72	35.37	41.20	68.20	-27.00	Vertical
10480	29.64	39.15	8.32	35.78	41.33	68.20	-26.87	Horizontal
15720	29.19	38.00	10.72	35.37	42.54	68.20	-25.66	Horizontal
802.11ac(VHT20) 5240MHz					AV			
10480	20.27	39.15	8.32	35.78	31.96	54.00	-22.04	Vertical
15720	21.90	38.00	10.72	35.37	35.25	54.00	-18.75	Vertical
10480	17.23	39.15	8.32	35.78	28.92	54.00	-25.08	Horizontal
15720	19.55	38.00	10.72	35.37	32.90	54.00	-21.10	Horizontal

Notes:

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. Test result margin more than 20dB under PK limit, then average measurement needn't be performed.

7.8 Frequency stability

Test Requirement:	FCC Part15 C Section 15.407(g)
Test Method:	ANSI C63.10:2013, FCC Part 2.1055,
Limit:	Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified
Test Procedure:	The EUT was setup to ANSI C63.4, 2003; tested to 2.1055 for compliance to FCC Part 15.407(g) requirements.
Test setup:	 Note : Measurement setup for testing on Antenna connector
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data: The detailed test data see Appendix for WIFI_5G.

8 Test Setup Photo

Reference to the **appendix I** for details.

9 EUT Constructional Details

Reference to the **appendix II** for details.

---END---