TEST REPORT

Applicant:	FaceSec Japan Co., Ltd.
Address of Applicant:	Libera Iwamotocho Bldg 8F, 3-5-14, Iwamoto-cho, Chiyoda-ku, Tokyo, 1010032, Japan
Manufacturer:	FaceSec Japan Co., Ltd.
Address of Manufacturer:	Libera Iwamotocho Bldg 8F, 3-5-14, Iwamoto-cho, Chiyoda-ku, Tokyo, 1010032, Japan
Factory:	CTT CO. LTD
Address of Factory:	197 N, Xinhua Blvd, Tongqiao, Zhongkai, Huizhou, Guangdong, 516032,P.R. China

Equipment Under Test (EUT)

Product Name:	Biometric Recognition Device
Model No.:	BRD-WS-BD
Trade Mark:	FaceSec
FCC ID:	2AX2F-FBD01WS
Applicable standards:	FCC CFR Title 47 Part 15 Subpart E Section 15.407
Date of sample receipt:	October 30, 2020
Date of Test:	October 30, 2020-December 09, 2020
Date of report issue:	December 09, 2020
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	*December 09, 2020*	*Original*

Prepared By:	Tiger. Chen	***Date:***	*December 09, 2020*
	Project Engineer		
Check By:	Robinson Luo	***Date:***	*December 09, 2020*
	Reviewer		

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4 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203	PASS
AC Power Line Conducted Emission	15.207	PASS
Peak Transmit Power	15.407(a)(1)	PASS
Power Spectral Density	15.407(a)(1)	PASS
Undesirable Emission	15.407(b)(6), 15.205/15.209	PASS
Radiated Emission	15.205/15.209	PASS
Band Edge	15.407(b)(1)	PASS
Frequency Stability	15.407(g)	PASS

Remark:

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

Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes
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:	Biometric Recognition Device
Model No.:	BRD-WS-BD
Serial No.:	FC6NDC19420977
Hardware Version:	P10
Software Version:	BXMJ_2G_DVT_2.6.2.28.d.s.u_06221204-ota
Test sample(s) ID:	GTS202010000211-1
Sample(s) Status:	Engineer sample
Operation Frequency:	

Band	Mode	Frequency Range(MHz)	Number of channels
U-NII Band I	IEEE 802.11a	5180-5240	4
	IEEE 802.11n/ac 20MHz	5180-5240	4
	IEEE 802.11n/ac 40MHz	5190-5230	2
	IEEE 802.11ac 80MHz	5210	1
U-NII Band II-A	IEEE 802.11a	5260-5320	4
	IEEE 802.11n/ac 20MHz	5260-5320	4
	IEEE 802.11n/ac 40MHz	5270-5310	2
	IEEE 802.11ac 80MHz	5290	1
U-NII Band II-C	IEEE 802.11a	5500-5700	11
	IEEE 802.11n/ac 20MHz	5500-5700	11
	IEEE 802.11n/ac 40MHz	5510-5670	5
	IEEE 802.11ac 80MHz	5530-5610	2

Modulation technology:	OFDM
Antenna Type:	FPC Antenna
Antenna gain:	1.54dBi(declare by applicant)
Power supply:	Input: DC 12.0V

Channel list for 802.11a/n(HT20)/ac(HT20)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180MHz	40	5200MHz	44	5220MHz	48	5240MHz
52	5260MHz	56	5280MHz	60	5300MHz	64	5320MHz
100	5500MHz	104	5520MHz	108	5540MHz	112	5560MHz
116	5580MHz	120	5600MHz	124	5620MHz	128	5640MHz
132	5660MHz	136	5680MHz	140	5700MHz		

Channel list for 802.11n(HT40)/ac(HT40)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190MHz	46	5230MHz	54	5270MHz	62	5310MHz
102	5510MHz	110	5550MHz	118	5590MHz	126	5630MHz
134	5670MHz						

Channel list for 802.11ac(HT80)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210MHz	58	5290MHz	106	5530MHz	122	5610MHz

5.2 Test mode

Transmitting mode	Keep the EUT in transmitting with modulation..

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	Mode	Data rate
802.11a/n(HT20)	6/6.5 Mbps	802.11ac(HT80)	29.3 Mbps
802.11n/ac(HT40)	13.5 Mbps		

5.3 Test Facility

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

● **FCC —Registration No.: 381383**

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. Registration 381383.

● **IC —Registration No.: 9079A**

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 with Registration No.: 9079A

● **NVLAP (LAB CODE:600179-0)**

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). LAB CODE:600179-0

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
Supplied by client	Adapter	FSP050-DIBAN2	N/A

5.6 Deviation from Standards

None.

5.7 Abnormalities from Standard Conditions

None.

5.8 Additional Instructions

Test Software	QRCT
Power level setup	Default

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. 25 2020	June. 24 2021
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June. 25 2020	June. 24 2021
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	June. 25 2020	June. 24 2021
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	June. 25 2020	June. 24 2021
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
8	Coaxial Cable	GTS	N/A	GTS213	June. 25 2020	June. 24 2021
9	Coaxial Cable	GTS	N/A	GTS211	June. 25 2020	June. 24 2021
10	Coaxial cable	GTS	N/A	GTS210	June. 25 2020	June. 24 2021
11	Coaxial Cable	GTS	N/A	GTS212	June. 25 2020	June. 24 2021
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June. 25 2020	June. 24 2021
13	Amplifier(2GHz-20GHz)	HP	84722A	GTS206	June. 25 2020	June. 24 2021
14	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June. 25 2020	June. 24 2021
15	Band filter	Amindeon	82346	GTS219	June. 25 2020	June. 24 2021
16	Power Meter	Anritsu	ML2495A	GTS540	June. 25 2020	June. 24 2021
17	Power Sensor	Anritsu	MA2411B	GTS541	June. 25 2020	June. 24 2021
18	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	June. 25 2020	June. 24 2021
19	Splitter	Agilent	11636B	GTS237	June. 25 2020	June. 24 2021
20	Loop Antenna	ZHINAN	ZN30900A	GTS534	June. 25 2020	June. 24 2021
21	Breitband hornantenne	SCHWARZBECK	BBHA 9170	GTS579	Oct. 18 2020	Oct. 17 2021
22	Amplifier	TDK	PA-02-02	GTS574	Oct. 18 2020	Oct. 17 2021
23	Amplifier	TDK	PA-02-03	GTS576	Oct. 18 2020	Oct. 17 2021
24	PSA Series Spectrum Analyzer	Rohde & Schwarz	FSP	GTS578	June. 25 2020	June. 24 2021

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.15 2019	May.14 2022
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 25 2020	June. 24 2021
3	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	June. 25 2020	June. 24 2021
4	ENV216 2-L-V-NETZNACHB.DE	ROHDE&SCHWARZ	ENV216	GTS226	June. 25 2020	June. 24 2021
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. 25 2020	June. 24 2021
8	Absorbing clamp	Elektronik-Feinmechanik	MDS21	GTS229	June. 25 2020	June. 24 2021
9	ISN	SCHWARZBECK	NTFM 8158	GTD565	June. 25 2020	June. 24 2021

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. 25 2020	June. 24 2021
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 25 2020	June. 24 2021
3	Spectrum Analyzer	Agilent	E4440A	GTS533	June. 25 2020	June. 24 2021
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	June. 25 2020	June. 24 2021
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	June. 25 2020	June. 24 2021
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	June. 25 2020	June. 24 2021
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	June. 25 2020	June. 24 2021
8	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	June. 25 2020	June. 24 2021

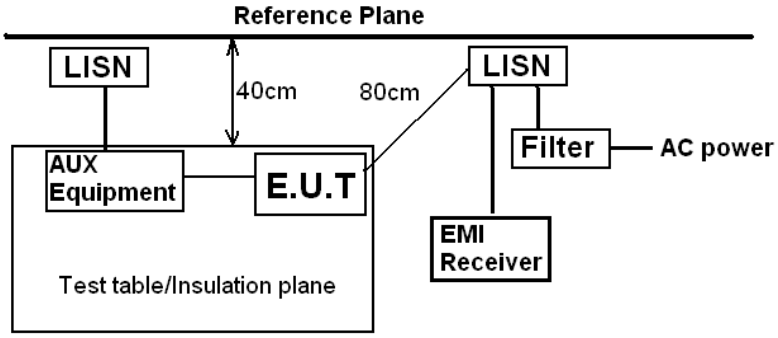
General used equipment:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (mm-dd-yy)**	**Cal.Due date (mm-dd-yy)**
1	Humidity/ Temperature Indicator	KTJ	TA328	GTS243	June. 25 2020	June. 24 2021
2	Barometer	ChangChun	DYM3	GTS255	June. 25 2020	June. 24 2021

7 Test results and Measurement Data

7.1 Antenna requirement:

Standard requirement:	FCC Part15 C 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.	
E.U.T Antenna:	
The antenna is FPC antenna, the best case gain of the antenna is 1.54dBi, reference to the appendix II for details	

7.2 Conducted Emissions

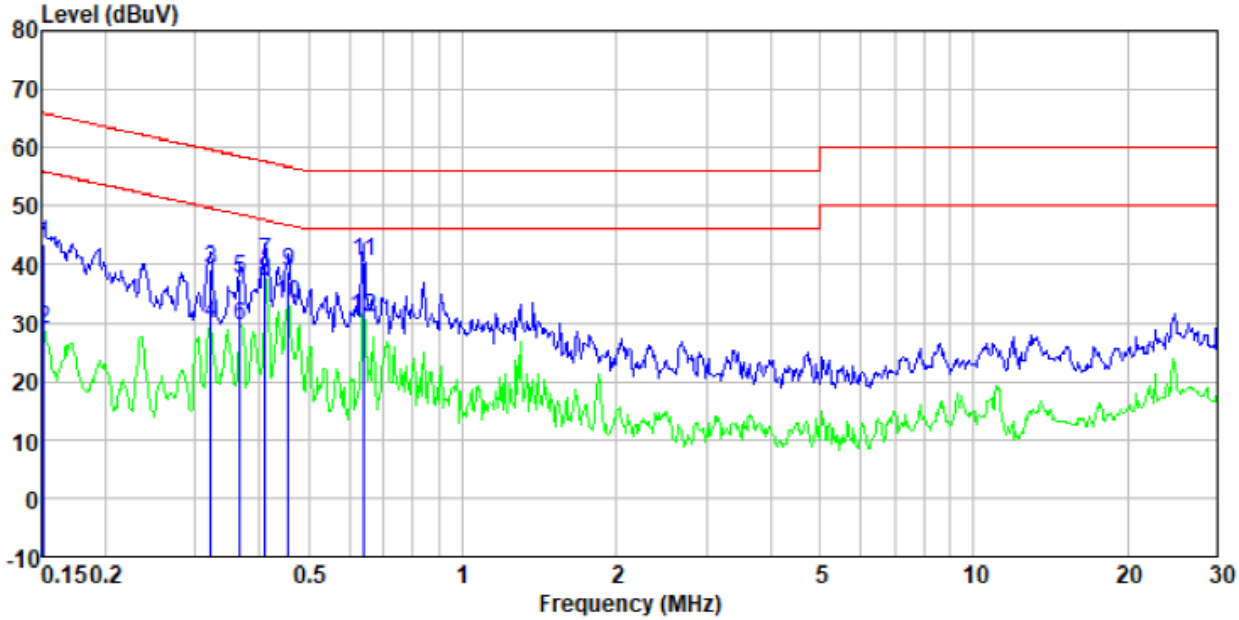
Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.10:2013
Test Frequency Range:	150KHz to 30MHz
Class / Severity:	Class B
Receiver setup:	RBW=9KHz, VBW=30KHz
Limit:	Frequency range (MHz) / Limit (dBuV): Quasi-peak / Average 0.15-0.5: 66 to 56* / 56 to 46* 0.5-5: 56 / 46 5-30: 60 / 50 * 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:	 *Remark:* *E.U.T: Equipment Under Test* *LISN: Line Impedence Stabilization Network* *Test table height=0.8m*
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:

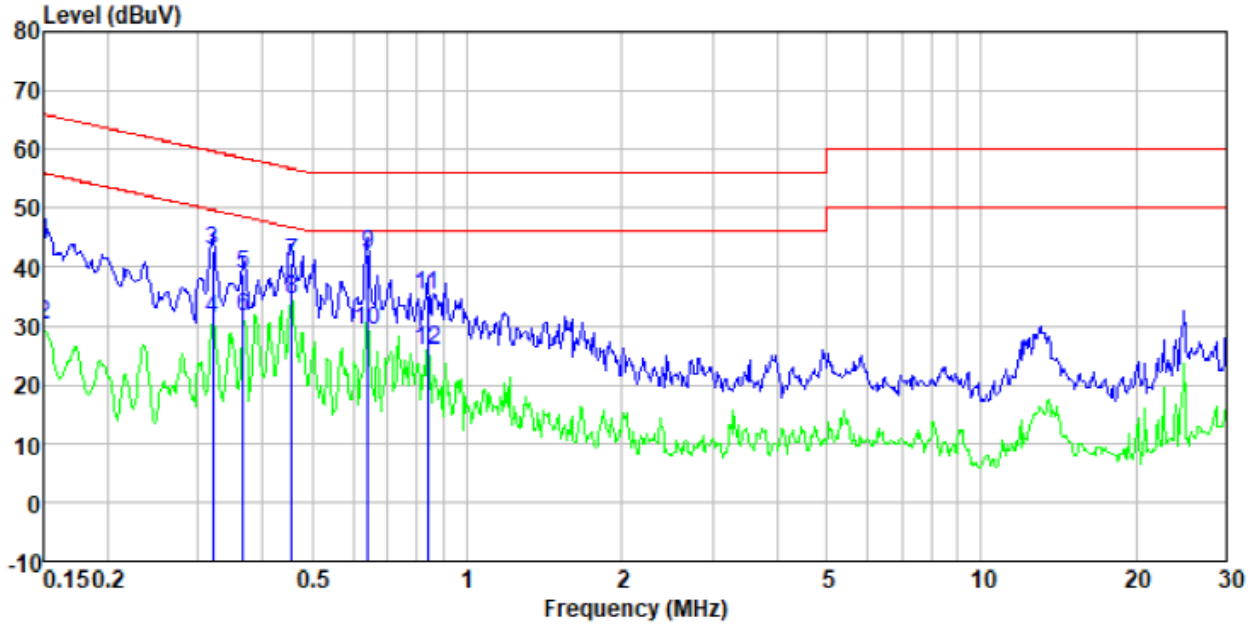
Pre-scan all test modes, found worst case at 802.11a(HT20) 5240MHz, and so only show the test result of 802.11a(HT20) 5240MHz

Line:



Freq MHz	Reading level dBuV	LISN/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.15	22.84	20.40	0.07	43.31	65.91	-22.60	QP
0.15	8.49	20.40	0.07	28.96	55.91	-26.95	Average
0.32	18.67	20.39	0.10	39.16	59.66	-20.50	QP
0.32	9.42	20.39	0.10	29.91	49.66	-19.75	Average
0.37	16.95	20.37	0.10	37.42	58.56	-21.14	QP
0.37	9.09	20.37	0.10	29.56	48.56	-19.00	Average
0.41	20.03	20.35	0.11	40.49	57.64	-17.15	QP
0.41	16.78	20.35	0.11	37.24	47.64	-10.40	Average
0.46	18.32	20.33	0.11	38.76	56.76	-18.00	QP
0.46	12.78	20.33	0.11	33.22	46.76	-13.54	Average
0.64	20.00	20.27	0.12	40.39	56.00	-15.61	QP
0.64	10.35	20.27	0.12	30.74	46.00	-15.26	Average

Neutral:

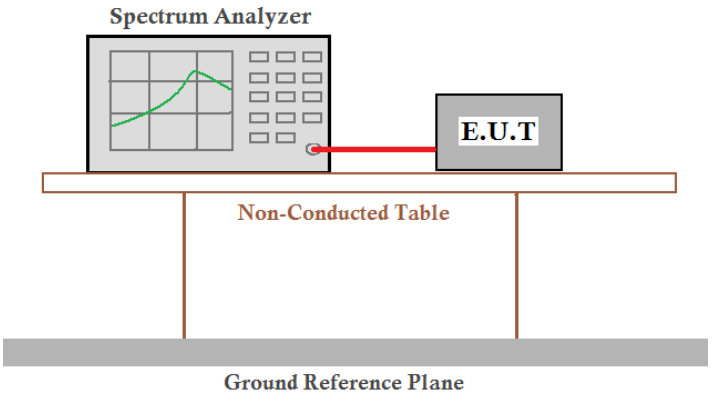


Freq MHz	Reading level dBuV	LISN/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.15	23.68	20.40	0.07	44.15	66.00	-21.85	QP
0.15	9.83	20.40	0.07	30.30	56.00	-25.70	Average
0.32	22.27	20.39	0.10	42.76	59.71	-16.95	QP
0.32	10.67	20.39	0.10	31.16	49.71	-18.55	Average
0.37	18.31	20.37	0.10	38.78	58.56	-19.78	QP
0.37	11.00	20.37	0.10	31.47	48.56	-17.09	Average
0.46	20.47	20.33	0.11	40.91	56.76	-15.85	QP
0.46	13.99	20.33	0.11	34.43	46.76	-12.33	Average
0.64	21.66	20.27	0.12	42.05	56.00	-13.95	QP
0.64	8.93	20.27	0.12	29.32	46.00	-16.68	Average
0.84	14.73	20.23	0.14	35.10	56.00	-20.90	QP
0.84	5.51	20.23	0.14	25.88	46.00	-20.12	Average

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 and 99% Occupied Bandwidth

Test Requirement:	FCC Part15 E Section 15.407
Test Method:	KDB 789033 D02 General U-NII Test Procedures New Rules v02r01
Limit:	N/A
Test setup:	
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

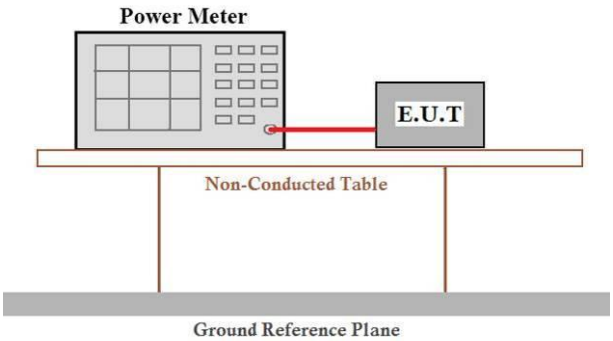
Measurement Data: The detailed test data see Appendix for WIFI 5G

7.4 Peak Transmit Power

Test Requirement:	FCC Part15 E Section 15.407
Test Method:	KDB 789033 D02 General U-NII Test Procedures New Rules v02r01
Limit:	

Frequency band (MHz)	Limit
5150-5250	≤1W(30dBm) for master device
	≤250mW(23.98dBm) for client device
5250-5350	≤250mW(23.98dBm) for client device or 11dBm+10logB*
5470-5725	≤250mW(23.98dBm) for client device or 11dBm+10logB*
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 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).

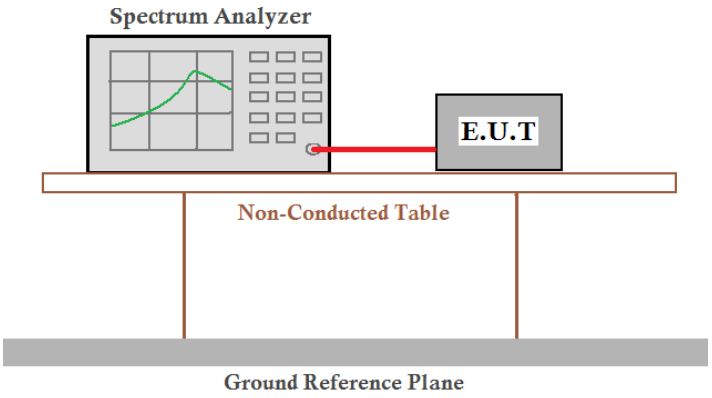
(iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.

(iv) Adjust the measurement in dBm by adding 10 log(1/x) where x is the duty cycle (e.g., 10log(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

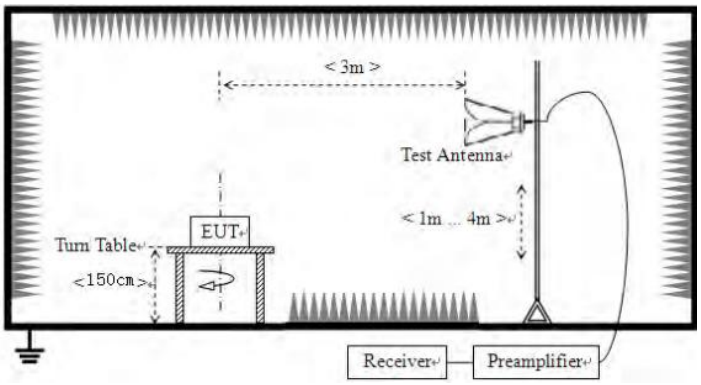
7.5 Power Spectral Density

Test Requirement:	FCC Part15 E Section 15.407
Test Method:	KDB 789033 D02 General U-NII Test Procedures New Rules v02r01
Limit:	<table><tr><th>Frequency band (MHz)</th><th>Limit</th></tr><tr><td rowspan="2">5150-5250</td><td>≤17dBm in 1MHz for master device</td></tr><tr><td>≤11dBm in 1MHz for client device</td></tr><tr><td>5250-5350</td><td>≤11dBm in 1MHz for client device</td></tr><tr><td>5470-5725</td><td>≤11dBm in 1MHz for client device</td></tr><tr><td colspan="2">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.</td></tr></table>
Test setup:	
Test procedure:	1) Create an average power spectrum for the EUT operating mode being tested by following the instructions in section E)2) 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 E)2)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

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 E Section 15.407 and 5.205</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.10:2013</td></tr>
<tr><td>Test site:</td><td>Measurement Distance: 3m (Semi-Anechoic Chamber)</td></tr>
<tr><td>Receiver setup:</td><td>
<table>
<tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr>
<tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>100KHz</td><td>300KHz</td><td>Quasi-peak Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr>
<tr><td>AV</td><td>1MHz</td><td>3MHz</td><td>Average Value</td></tr>
</table>
</td></tr>
<tr><td>Limit:</td><td>
<table>
<tr><td>Frequency</td><td>Limit (dBuV/m @3m)</td><td>Remark</td></tr>
<tr><td>30MHz-88MHz</td><td>40.0</td><td>Quasi-peak Value</td></tr>
<tr><td>88MHz-216MHz</td><td>43.5</td><td>Quasi-peak Value</td></tr>
<tr><td>216MHz-960MHz</td><td>46.0</td><td>Quasi-peak Value</td></tr>
<tr><td>960MHz-1GHz</td><td>54.0</td><td>Quasi-peak Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>54.0</td><td>Average Value</td></tr>
<tr><td>68.2</td><td>Peak Value</td></tr>
</table>
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.
</td></tr>
<tr><td>Test Procedure:</td><td>
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 rotable 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
</td></tr>
</table>

	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:

1. *Only show the worst case test data.*
2. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
3. *The emission levels of other frequencies are very lower than the limit and not show in test report.*
4. *The pre-test were performed on lowest, middle and highest frequencies, only the worst case's (lowest and highest frequencies) data was showed.*
5. *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[dBuV/m] = EIRP[dBm] + 95.2;
   For example, if EIRP = -27dBm
   E[dBuV/m] = -27 + 95.2 = 68.2dBuV/m.

Measurement Data:

Worse case mode:		802.11a		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	50.3	-3.63	46.67	68.2	-21.53	peak	H
5150	46.62	-3.63	42.99	54	-11.01	AVG	H
5150	54.84	-3.63	51.21	68.2	-16.99	peak	V
5150	46.46	-3.63	42.83	54	-11.17	AVG	V

Worse case mode:		802.11a		Test channel:		64	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350	52.35	-3.59	48.76	68.2	-19.44	peak	H
5350	43.6	-3.59	40.01	54	-13.99	AVG	H
5350	54.41	-3.59	50.82	68.2	-17.38	peak	V
5350	43.48	-3.59	39.89	54	-14.11	AVG	V

Worse case mode:		802.11a		Test channel:		100	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5460	50.4	-3.54	46.86	68.2	-21.34	peak	H
5460	45.31	-3.54	41.77	54	-12.23	AVG	H
5460	50.06	-3.54	46.52	68.2	-21.68	peak	V
5460	41.57	-3.54	38.03	54	-15.97	AVG	V

Worse case mode:		802.11a		Test channel:		140	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	50.9	-3.45	47.45	68.2	-20.75	peak	H
5725	45.11	-3.45	41.66	54	-12.34	AVG	H
5725	54.1	-3.45	50.65	68.2	-17.55	peak	V
5725	43.69	-3.45	40.24	54	-13.76	AVG	V

Worse case mode:		802.11n(HT20)		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	52.98	-3.63	49.35	68.2	-18.85	peak	H
5150	46.11	-3.63	42.48	54	-11.52	AVG	H
5150	54.9	-3.63	51.27	68.2	-16.93	peak	V
5150	41.21	-3.63	37.58	54	-16.42	AVG	V

Worse case mode:		802.11n(HT20)		Test channel:		64	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350	55.46	-3.59	51.87	68.2	-16.33	peak	H
5350	44.2	-3.59	40.61	54	-13.39	AVG	H
5350	55.03	-3.59	51.44	68.2	-16.76	peak	V
5350	44.11	-3.59	40.52	54	-13.48	AVG	V

Worse case mode:		802.11n(HT20)		Test channel:		100	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5460	51.21	-3.54	47.67	68.2	-20.53	peak	H
5460	46.94	-3.54	43.4	54	-10.6	AVG	H
5460	55.91	-3.54	52.37	68.2	-15.83	peak	V
5460	43.24	-3.54	39.7	54	-14.3	AVG	V

Worse case mode:		802.11n(HT20)		Test channel:		140	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	55.44	-3.45	51.99	68.2	-16.21	peak	H
5725	41.25	-3.45	37.8	54	-16.2	AVG	H
5725	50.48	-3.45	47.03	68.2	-21.17	peak	V
5725	43.41	-3.45	39.96	54	-14.04	AVG	V

Worse case mode:		802.11n(HT40)		Test channel:		38	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	53	-3.63	49.37	68.2	-18.83	peak	H
5150	44.32	-3.63	40.69	54	-13.31	AVG	H
5150	53.64	-3.63	50.01	68.2	-18.19	peak	V
5150	42.51	-3.63	38.88	54	-15.12	AVG	V

Worse case mode:		802.11n(HT40)		Test channel:		62	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350	52.98	-3.59	49.39	68.2	-18.81	peak	H
5350	44.04	-3.59	40.45	54	-13.55	AVG	H
5350	50.5	-3.59	46.91	68.2	-21.29	peak	V
5350	44.66	-3.59	41.07	54	-12.93	AVG	V

Worse case mode:		802.11n(HT40)		Test channel:		102	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5460	52.16	-3.54	48.62	68.2	-19.58	peak	H
5460	42.29	-3.54	38.75	54	-15.25	AVG	H
5460	52.16	-3.54	48.62	68.2	-19.58	peak	V
5460	43.87	-3.54	40.33	54	-13.67	AVG	V

Worse case mode:		802.11n(HT40)		Test channel:		134	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	52.63	-3.45	49.18	68.2	-19.02	peak	H
5725	43.02	-3.45	39.57	54	-14.43	AVG	H
5725	52.61	-3.45	49.16	68.2	-19.04	peak	V
5725	44.12	-3.45	40.67	54	-13.33	AVG	V

Worse case mode:		802.11ac(HT20)		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	51.7	-3.63	48.07	68.2	-20.13	peak	H
5150	44.16	-3.63	40.53	54	-13.47	AVG	H
5150	55.99	-3.63	52.36	68.2	-15.84	peak	V
5150	43.35	-3.63	39.72	54	-14.28	AVG	V

Worse case mode:		802.11ac(HT20)		Test channel:		64	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350	55.57	-3.59	51.98	68.2	-16.22	peak	H
5350	45.34	-3.59	41.75	54	-12.25	AVG	H
5350	51.21	-3.59	47.62	68.2	-20.58	peak	V
5350	45.07	-3.59	41.48	54	-12.52	AVG	V

Worse case mode:		802.11ac		Test channel:		100	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5460	55.82	-3.54	52.28	68.2	-15.92	peak	H
5460	42.98	-3.54	39.44	54	-14.56	AVG	H
5460	54.16	-3.54	50.62	68.2	-17.58	peak	V
5460	42.23	-3.54	38.69	54	-15.31	AVG	V

Worse case mode:		802.11ac		Test channel:		140	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	55.99	-3.45	52.54	68.2	-15.66	peak	H
5725	45.91	-3.45	42.46	54	-11.54	AVG	H
5725	55.28	-3.45	51.83	68.2	-16.37	peak	V
5725	44.67	-3.45	41.22	54	-12.78	AVG	V

Worse case mode:		802.11ac(VHT40)		Test channel:		38	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	53.34	-3.63	49.71	68.2	-18.49	peak	H
5150	46.49	-3.63	42.86	54	-11.14	AVG	H
5150	55.29	-3.63	51.66	68.2	-16.54	peak	V
5150	41.38	-3.63	37.75	54	-16.25	AVG	V

Worse case mode:		802.11ac(VHT40)		Test channel:		62	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350	50.64	-3.59	47.05	68.2	-21.15	peak	H
5350	43.9	-3.59	40.31	54	-13.69	AVG	H
5350	55.26	-3.59	51.67	68.2	-16.53	peak	V
5350	41.92	-3.59	38.33	54	-15.67	AVG	V

Worse case mode:		802.11ac(VHT40)		Test channel:		102	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5460	53.27	-3.54	49.73	68.2	-18.47	peak	H
5460	41.29	-3.54	37.75	54	-16.25	AVG	H
5460	51.28	-3.54	47.74	68.2	-20.46	peak	V
5460	41.55	-3.54	38.01	54	-15.99	AVG	V

Worse case mode:		802.11ac(VHT40)		Test channel:		134	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	51.97	-3.45	48.52	68.2	-19.68	peak	H
5725	41.6	-3.45	38.15	54	-15.85	AVG	H
5725	55.74	-3.45	52.29	68.2	-15.91	peak	V
5725	44.82	-3.45	41.37	54	-12.63	AVG	V

Worse case mode:		802.11ac(VHT80)		Test channel:		42	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	52.86	-3.63	49.23	68.2	-18.97	peak	H
5150	44.02	-3.63	40.39	54	-13.61	AVG	H
5150	52.06	-3.63	48.43	68.2	-19.77	peak	V
5150	46.15	-3.63	42.52	54	-11.48	AVG	V
5350	50.52	-3.59	46.93	68.2	-21.27	peak	H
5350	43.53	-3.59	39.94	54	-14.06	AVG	H
5350	50.98	-3.59	47.39	68.2	-20.81	peak	V
5350	42.98	-3.59	39.39	54	-14.61	AVG	V

Worse case mode:		802.11ac(VHT80)		Test channel:		106	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5460	52.31	-3.54	48.77	68.2	-19.43	peak	H
5460	42.31	-3.54	38.77	54	-15.23	AVG	H
5460	55.16	-3.54	51.62	68.2	-16.58	peak	V
5460	43.59	-3.54	40.05	54	-13.95	AVG	V
5725	50.49	-3.45	47.04	68.2	-21.16	peak	H
5725	41.17	-3.45	37.72	54	-16.28	AVG	H
5725	55.57	-3.45	52.12	68.2	-16.08	peak	V
5725	44.47	-3.45	41.02	54	-12.98	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

Limit:

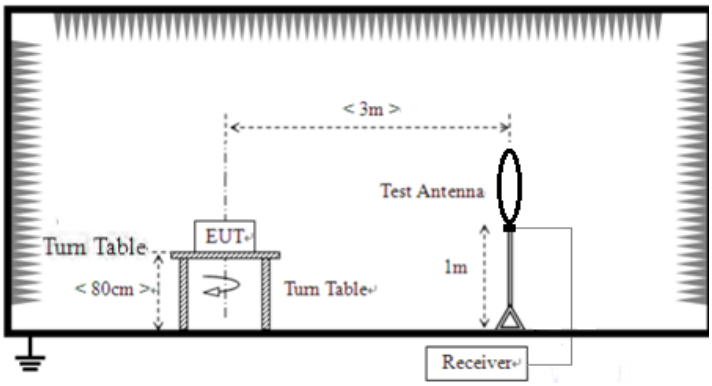
Frequency	Limit (uV/m)	Value	Measurement Distance
0.009MHz-0.490MHz	2400/F(KHz)	QP	300m
0.490MHz-1.705MHz	24000/F(KHz)	QP	30m
1.705MHz-30MHz	30	QP	30m
30MHz-88MHz	100	QP	3m
88MHz-216MHz	150	QP	
216MHz-960MHz	200	QP	
960MHz-1GHz	500	QP	
Above 1GHz	500	Average	
	5000	Peak	

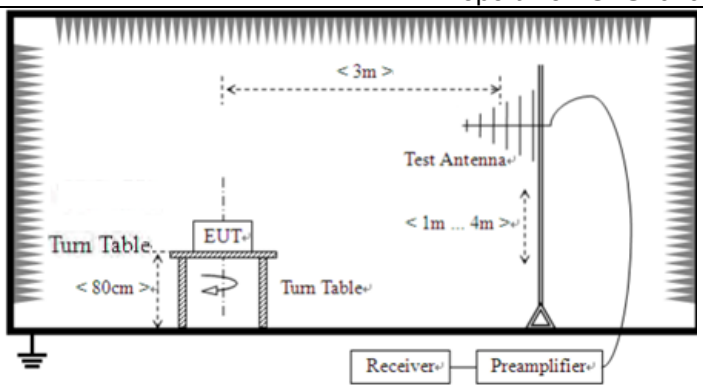
Test Procedure:

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:

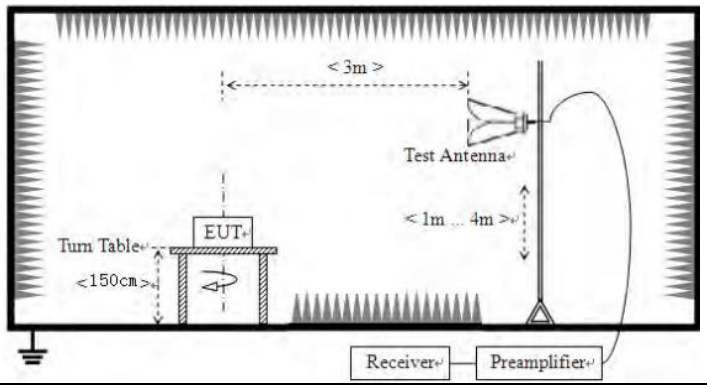
1. The EUT was placed on the top of a rotating table (0.8m for below 1GHz and 1.5 meters for above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, 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 rotable 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. 2. 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. 3. 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. 4. 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. 5. Repeat step 4 for test frequency with the test antenna polarized horizontally. 6. Remove the transmitter and replace it with a substitution antenna 7. 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. 8. Repeat step 7 with both antennas horizontally polarized for each test frequency. 9. 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: EIRP(dBm) = Pg(dBm) – cable loss (dB) + 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 to1GHz



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:

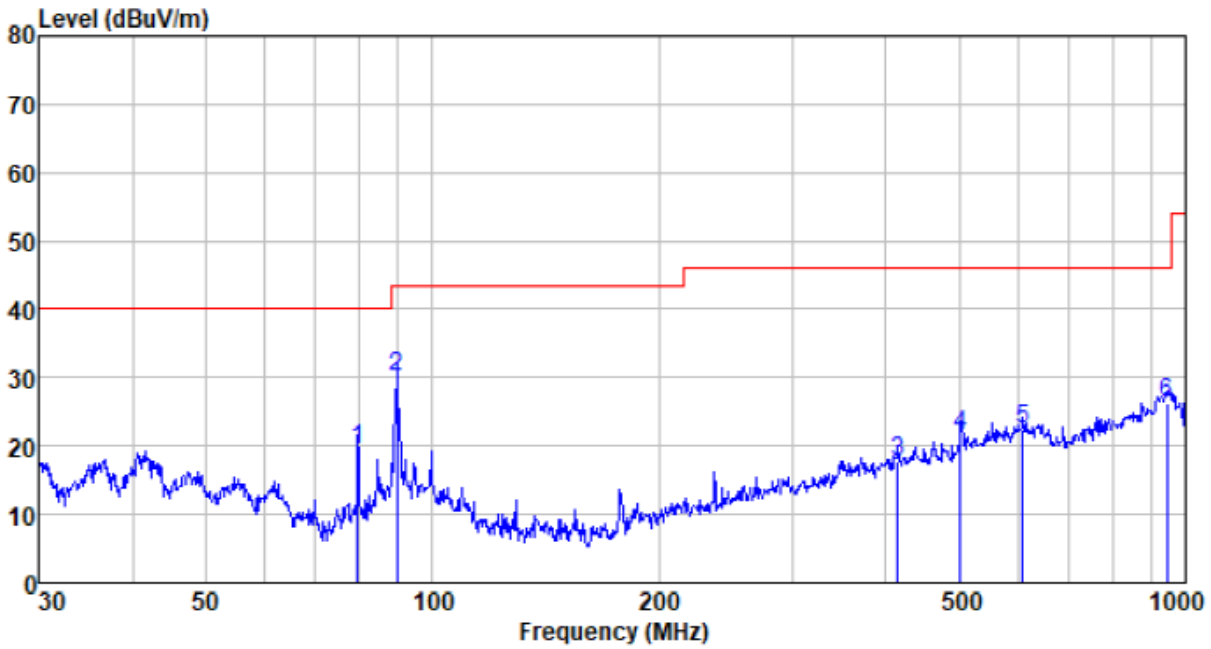
9 kHz ~ 30 MHz

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.

30MHz~ 1GHz

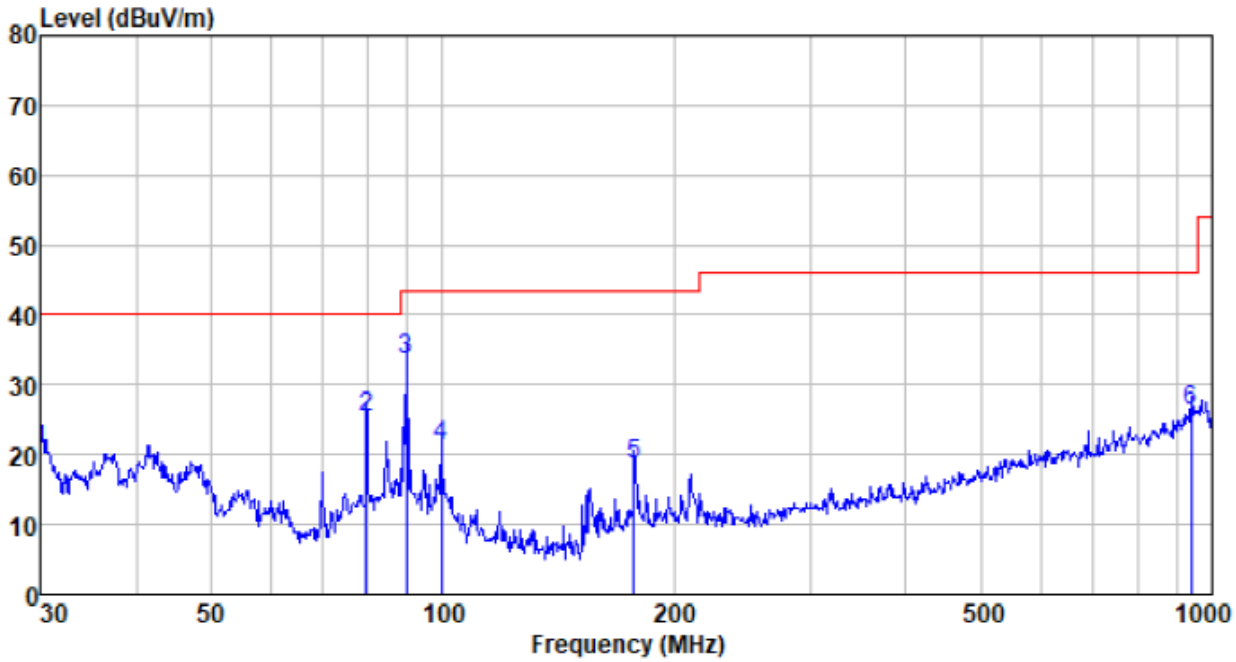
Pre-scan all test modes, found worst case at 802.11a(HT20) 5240MHz, and so only show the test result of 802.11a(HT20) 5240MHz

Horizontal:



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
79.521	47.65	7.40	1.02	36.54	19.53	40.00	-20.47	QP
89.590	55.06	10.57	1.11	36.63	30.11	43.50	-13.39	QP
414.722	36.79	15.63	2.92	37.52	17.82	46.00	-28.18	QP
502.940	38.44	17.35	3.32	37.51	21.60	46.00	-24.40	QP
607.787	36.64	19.51	3.75	37.55	22.35	46.00	-23.65	QP
945.440	36.19	22.48	5.03	37.56	26.14	46.00	-19.86	QP

Vertical:



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
30.000	43.97	11.20	0.55	35.00	20.72	40.00	-19.28	QP
79.521	53.63	7.40	1.02	36.54	25.51	40.00	-14.49	QP
89.590	58.60	10.57	1.11	36.63	33.65	43.50	-9.85	QP
99.528	44.53	12.13	1.19	36.72	21.13	43.50	-22.37	QP
177.509	45.41	8.80	1.73	37.23	18.71	43.50	-24.79	QP
938.833	36.36	22.46	4.99	37.56	26.25	46.00	-19.75	QP

Above 1GHz:

Worse case mode:	802.11ac(VHT80)	Test channel:	42					
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10420.00	36.8	39.06	8.29	35.71	48.44	68.2	-19.76	Vertical
15630.00	35.17	38.2	10.65	35.36	48.66	68.2	-19.54	Vertical
10420.00	36.76	39.06	8.29	35.71	48.4	68.2	-19.8	Horizontal
15630.00	37.92	38.2	10.65	35.36	51.41	68.2	-16.79	Horizontal
10420.00	27.51	39.06	8.29	35.71	39.15	54	-14.85	Vertical
15630.00	26.3	38.2	10.65	35.36	39.79	54	-14.21	Vertical
10420.00	26.83	39.06	8.29	35.71	38.47	54	-15.53	Horizontal
15630.00	25.48	38.2	10.65	35.36	38.97	54	-15.03	Horizontal

Worse case mode:	802.11ac(VHT80)	Test channel:	106					
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
11060.00	35.42	39.31	8.56	36.39	46.9	68.2	-21.3	Vertical
16590.00	38.73	39.38	11.08	35.96	53.23	68.2	-14.97	Vertical
11060.00	35.87	39.31	8.56	36.39	47.35	68.2	-20.85	Horizontal
16590.00	34.76	39.38	11.08	35.96	49.26	68.2	-18.94	Horizontal
11060.00	27.1	39.31	8.56	36.39	38.58	54	-15.42	Vertical
16590.00	25.38	39.38	11.08	35.96	39.88	54	-14.12	Vertical
11060.00	26.01	39.31	8.56	36.39	37.49	54	-16.51	Horizontal
16590.00	27.7	39.38	11.08	35.96	42.2	54	-11.8	Horizontal

Worse case mode:	802.11ac(VHT80)	Test channel:	122					
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
11220.00	37.35	39.34	8.62	36.36	48.95	68.2	-19.25	Vertical
16830.00	37.96	39.58	11.13	36.17	52.5	68.2	-15.7	Vertical
11220.00	35.18	39.34	8.62	36.36	46.78	68.2	-21.42	Horizontal
16830.00	37.13	39.58	11.13	36.17	51.67	68.2	-16.53	Horizontal
11220.00	26.52	39.34	8.62	36.36	38.12	54	-15.88	Vertical
16830.00	26.66	39.58	11.13	36.17	41.2	54	-12.8	Vertical
11220.00	27.69	39.34	8.62	36.36	39.29	54	-14.71	Horizontal
16830.00	26.02	39.58	11.13	36.17	40.56	54	-13.44	Horizontal

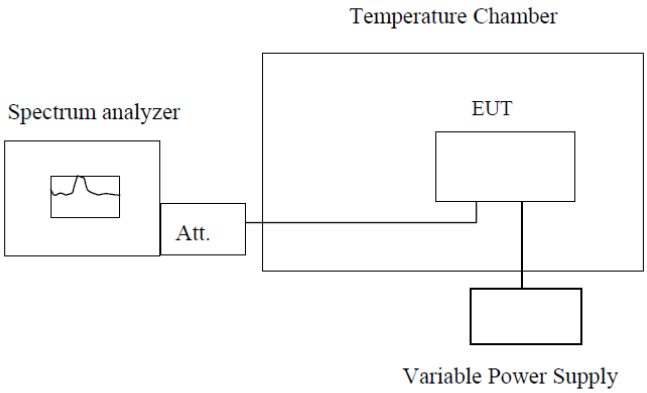
Notes:

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. all were test, only the worst data recorded in the report.

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---