

TEST REPORT

Report No.	CISRR25042526606
Project No.	CISR250425266
FCC ID	2BFQI-S9
Applicant	Jiangxi Jichi Technology Co., Ltd
Address	PlantNo.3,BlockB13-1-2,B14-1,JinggangshanEconomicandDevelopment Zone,Ji'anCity,Jiangxi Province,China
Manufacturer	Jiangxi Jichi Technology Co., Ltd
Address	PlantNo.3,BlockB13-1-2,B14-1,JinggangshanEconomicandDevelopment Zone,Ji'anCity,Jiangxi Province,China
Product Name	MOUSE
Trade Mark	N/A
Model/Type reference	S9
Listed Model(s)	S9Pro, S9Ultra, S9Max
Standard	Part 15 Subpart C Section 15.249
Test date	April 26, 2025 to April 29, 2025
Issue date	May 7, 2025
Test result	Complied



Prepared by: Jimmy Huang



Approved by: Genry Long

The test results relate only to the tested samples.

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1. REPORT VERSION

Version No.	Issue date	Description
00	May 7, 2025	Original

2. SUMMARY OF TEST RESULT

Report clause	Test Item	Standard Requirement	Result
5.1	Antenna Requirement	15.203/15.247 (c)	PASS
5.2	AC Conducted Emission	15.207	PASS
5.3	20 dB Bandwidth	15.215 (c)	PASS
5.4	Radiated Band Edge Emission	15.205/15.209	PASS
5.5	Radiated Spurious Emission	15.249(a)(c)/15.205/15.209	PASS

Note:

- The measurement uncertainty is not included in the test result.

3. SUMMARY

3.1. Product Description

Main unit information:	
Product Name:	MOUSE
Trade Mark:	N/A
Model No.:	S9
Listed Model(s):	S9Pro, S9Ultra, S9Max
Model difference:	The difference between different models is that in this application, due to different sales channels and different model names.
Power supply:	N/A
Hardware version:	N/A
Software version:	N/A
Accessory unit (AU) information:	
Battery:	DC 3.7V

3.2. Radio Specification Description

Technology:	2.4G
Modulation:	GFSK
Operation frequency:	2405MHz~2476MHz
Channel number:	12
Antenna type:	PCB Antenna
Antenna gain:	-1.66dBi

Channel list:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2405	3	2422	6	2447	9	2473
1	2407	4	2423	7	2451	10	2474
2	2408	5	2427	8	2452	11	2476

3.3. Modification of EUT

No modifications are made to the EUT during all test items.

3.4. Testing Site

Laboratory Name	Shenzhen Bangce Testing Technology Co., Ltd.
Laboratory Location	101, building 10, Yunli Intelligent Park, Shutianpu community, Matian Street, Guangming District, Shenzhen, Guangdong, China
FCC registration number	736346

3.5. Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS \text{ (dBuV/m)} = RA \text{ (dBuV)} + AF \text{ (dB/m)} + CL \text{ (dB)} - AG \text{ (dB)}$$

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

3.6. DISTURBANCE Calculation

The AC mains conducted disturbance is calculated by adding the 10dB Pulse Limiter and Cable Factor and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$CD \text{ (dBuV)} = RA \text{ (dBuV)} + PL \text{ (dB)} + CL \text{ (dB)}$$

Where CD = Conducted Disturbance	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	PL = 10 dB Pulse Limiter Factor

4. TEST CONFIGURATION

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

4.1. Test frequency list

Channel	Frequency (MHz)
CH-L	2405
CH-M	2447
CH-H	2476

4.2. Test mode

For RF test items:

The engineering prototype is provided with key switching channel to realize EUT continuous transmission..Power setting Default.

No	Test mode	Description
TM1	TX mode	Keep the EUT in continuously transmitting mode with GFSK modulation at lowest, middle and highest channel.
TM2	Link mode	Keep the EUT in Normal linking mode with AE.
TM3	Charging mode	Keep the EUT in charging status

Remark:

- The EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.All patterns have predictions, and the report only shows the worst pattern data.

4.3. Support unit used in test configuration and system

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

Item	Equipment name	Trade Name	Model No.
1	PC	asus	LAPTOP-EF3AIDJL

4.4. Test sample information

Type	sample no.
Engineer sample	CISR250425266--S01
Normal sample	CISR250425266--S01

4.5. Testing environmental condition

Type	Requirement	Actual
Temperature:	15~35°C	25°C
Relative Humidity:	25~75%	50%

Air Pressure:	860~1060mbar	1000mbar
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4.6. Statement of the measurement uncertainty

No.	Test Items	Measurement Uncertainty
1	AC Conducted Emission	1.63dB
2	Peak Output Power	1.34dB
3	Power Spectral Density	1.34dB
4	20dB Bandwidth	0.002%
5	Duty cycle	-
6	Conducted Band Edge and Spurious Emission	1.93dB
7	Radiated Band Edge Emission	3.76dB for 30MHz-1GHz 3.80dB for above 1GHz
8	Radiated Spurious Emission	3.76dB for 30MHz-1GHz 3.80dB for above 1GHz

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=1.96$.

4.7. Equipment Used during the Test

Equipment	Manufacture	Model No.	Serial No.	Last cal.	Cal Interval
9*6*6 anechoic chamber	SKET	9.3*6.3*6	N/A	2024.09.01	3Year
Spectrum analyzer	Agilent	N9020A	MY50530263	2025.01.08	1Year
Receiver	ROHDE&SCHWARZ	ESCI	100853	2025.01.08	1Year
Spectrum analyzer	R&S	FSV-40N	/	2025.01.08	1Year
Bilog Antenna	Schwarzbeck	VULB 9163	1463	2025.01.08	2Year
Horn Antenna	SCHWARZBECK	BBHA 9120 D	2487	2025.01.08	2Year
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	/	2025.01.08	2Year
RF Cable	Tonscend	Cable 1	/	2025.01.08	1Year
RF Cable	Tonscend	Cable 2	/	2025.01.08	1Year
RF Cable	SKET	Cable 3	/	2025.01.08	1Year
Pre-amplifier	Tonscend	TAP9K3G32	AP21G806153	2025.01.08	1Year
Pre-amplifier	Tonscend	TAP01018050	AP22E806229	2025.01.08	1Year
L.I.S.N.#1	Schwarzbeck	NSLK8127	/	2025.01.08	1Year
L.I.S.N.#2	ROHDE&SCHWARZ	ENV216	/	2025.01.08	1Year
Horn Antenna	SCHWARZBECK	BBHA9170	1130	2025.01.08	2 Year
Preamplifier	Tonscend	TAP18040048	AP21C806126	2025.01.08	1Year
variable-frequency power source	Pinhong	PH1110	/	2025.01.08	1Year
6dB Attenuator	SKET	DC-6G	/	N/A	N/A
Artificial power network	Schwarzbeck	NSLK8127	8127-01096	2025.01.08	1Year
EMI Test Receiver	Rohde&schwarz	ESCI7	100853	2025.01.08	1Year
8-wire Impedance Stabilization Network	Schwarzbeck	NTFM 8158	8158-00337	2025.01.08	1Year
Artificial power network	Schwarzbeck	ENV216	/	2025.01.08	1Year
Antenna tower	SKET	Bk-4AT-BS	AT2021040101-V1	N/A	N/A

5. TEST CONDITIONS AND RESULTS

5.1. Antenna Requirement

Standard Applicable

FCC CFR Title 47 Part 15 Subpart C Section 15.203:

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.

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1) (I):

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

Description

The EUT antenna is PCB antenna (-1.66dBi), the directional gain of the antenna less than 6dBi. It comply with the standard requirement. In case of replacement of broken antenna the same antenna type must be used. Antenna structure please refer to the EUT internal photographs antenna photo.

Remark: The antenna gain is provided by the customer, if the data provided by the customer is not accurate, Shenzhen Bangce Testing Technology Co., Ltd. does not assume any responsibility.

5.2. AC Conducted Emission

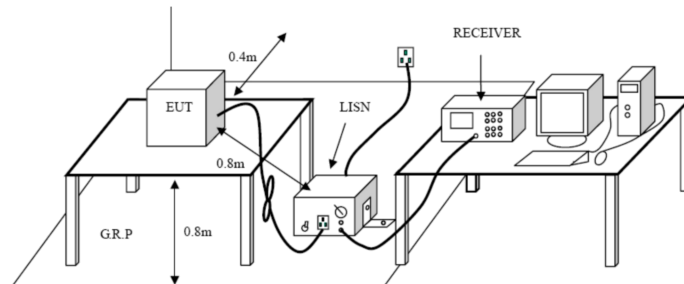
Limit:

FCC CFR Title 47 Part 15 Subpart C Section 15.207

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 configuration:



Test procedure:

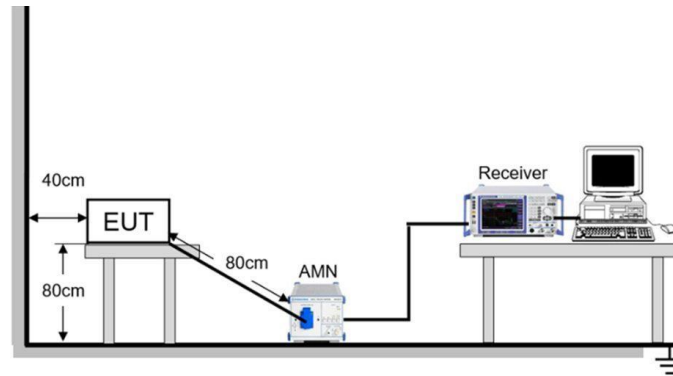
1. The EUT was setup according to ANSI C63.10 requirements.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
3. The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment.
4. The peripheral devices are also connected to the main power through a LISN. (Refer to the block diagram of the test setup and photographs)
5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
8. During the above scans, the emissions were maximized by cable manipulation.

E.U.T. Operation

Operating Environment:

Temperature :	23.4 °C	Humidity:	56.7 %	Atmospheric Pressure:	103 kPa
Pre test mode:	TM1, TM2, TM3				
Final test mode:	TM1, TM2, TM3				

Test Setup Diagram



Test Result

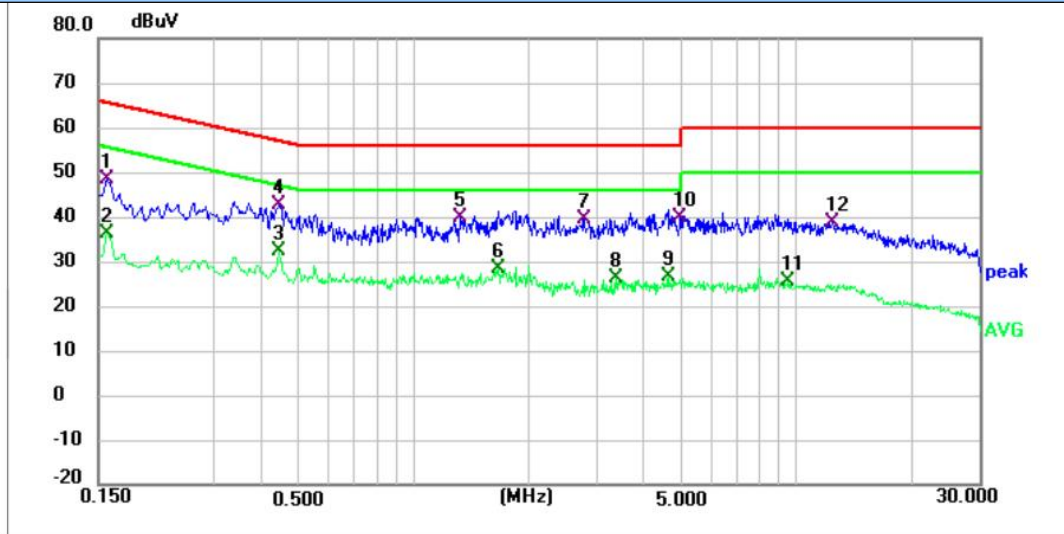
Pass

Test Data

Note:

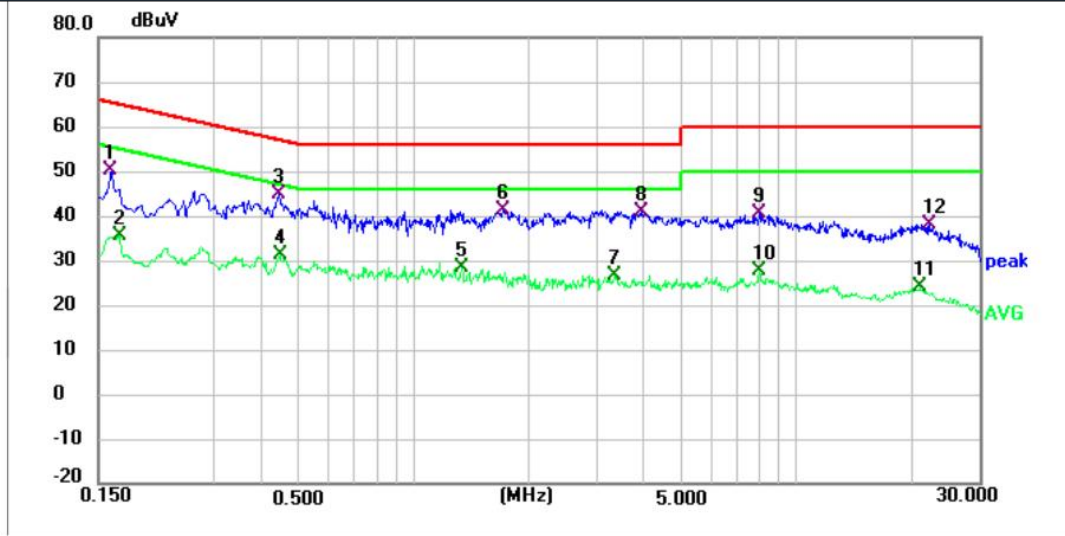
Have pre-scan all test mode, found TM3 mode which it was worst case, so only show the worst case's data on this report.

Mode3 / Line: Line



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.158	37.99	10.27	48.26	65.57	-17.31	QP
2	0.158	26.12	10.27	36.39	55.57	-19.18	AVG
3	0.442	22.18	10.27	32.45	47.02	-14.57	AVG
4 *	0.444	32.35	10.27	42.62	56.99	-14.37	QP
5	1.330	29.41	10.47	39.88	56.00	-16.12	QP
6	1.670	17.82	10.55	28.37	46.00	-17.63	AVG
7	2.782	28.73	10.84	39.57	56.00	-16.43	QP
8	3.390	15.18	11.05	26.23	46.00	-19.77	AVG
9	4.626	14.94	11.52	26.46	46.00	-19.54	AVG
10	4.966	28.09	11.65	39.74	56.00	-16.26	QP
11	9.510	12.22	13.34	25.56	50.00	-24.44	AVG
12	12.434	23.93	14.73	38.66	60.00	-21.34	QP

Mode3 / Line: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.162	39.77	10.28	50.05	65.36	-15.31	QP
2	0.170	25.25	10.27	35.52	54.96	-19.44	AVG
3 *	0.442	34.60	10.29	44.89	57.02	-12.13	QP
4	0.446	20.83	10.29	31.12	46.95	-15.83	AVG
5	1.338	17.88	10.47	28.35	46.00	-17.65	AVG
6	1.710	30.86	10.56	41.42	56.00	-14.58	QP
7	3.350	15.57	11.04	26.61	46.00	-19.39	AVG
8	3.926	29.77	11.27	41.04	56.00	-14.96	QP
9	7.998	27.65	12.94	40.59	60.00	-19.41	QP
10	7.998	14.91	12.94	27.85	50.00	-22.15	AVG
11	21.086	8.54	15.56	24.10	50.00	-25.90	AVG
12	22.282	22.67	15.41	38.08	60.00	-21.92	QP

Note:

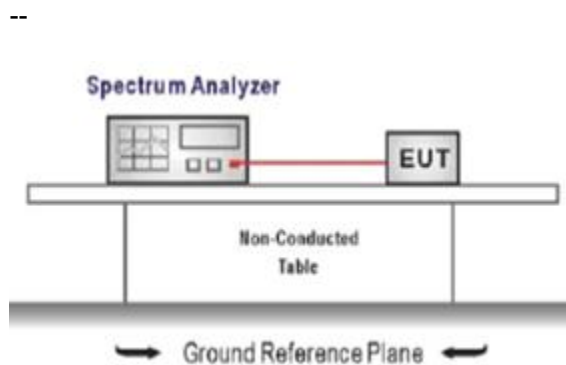
- 1). Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
- 2). Margin = Result - Limit

5.3. 20 dB Bandwidth

Limit:

Test configuration:

Test procedure:



1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously
3. Use the following spectrum analyzer settings:
Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel
RBW $\geq$ 1% of the 20 dB bandwidth, VBW $\geq$ RBW
Sweep = auto, Detector function = peak, Trace = max hold
4. Measure and record the results in the test report.

E.U.T. Operation

Operating Environment:

Temperature :	22.6 °C	Humidity:	56.9 %	Atmospheric Pressure:	103 kPa
Pre test mode:	TM1				
Final test mode:	TM1				

Test Setup Diagram

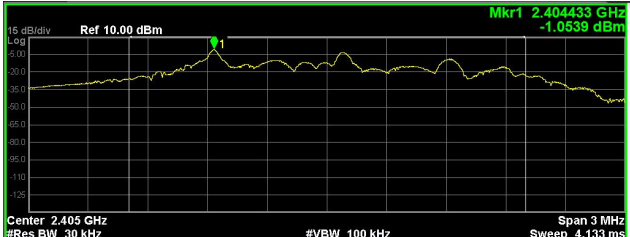
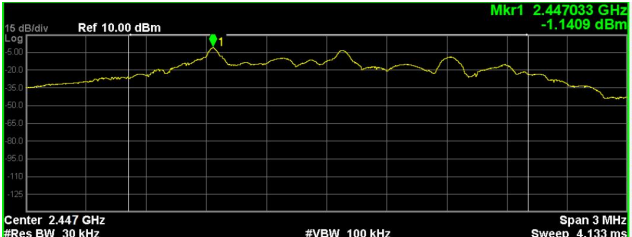


Test Result

Pass

Test Data

Test Result of 20dB Bandwidth Measurement		
Test Frequency(MHz)	20dB Bandwidth(MHz)	Limit(MHz)
2405	1.787	Non-Specified
2447	1.793	Non-Specified
2476	1.775	Non-Specified

20dB Bandwidth	
 Center 2.405 GHz #Res BW 30 kHz #VBW 100 kHz Span 3 MHz Sweep 4.133 ms Occupied Bandwidth 1.9873 MHz Total Power 5.61 dBm Transmit Freq Error 2.945 kHz % of OBW Power 99.00 % x dB Bandwidth 1.787 MHz x dB -20.00 dB	 Center 2.447 GHz #Res BW 30 kHz #VBW 100 kHz Span 3 MHz Sweep 4.133 ms Occupied Bandwidth 1.9881 MHz Total Power 5.66 dBm Transmit Freq Error 8.783 kHz % of OBW Power 99.00 % x dB Bandwidth 1.793 MHz x dB -20.00 dB
2405MHz	2447MHz
 Center 2.476 GHz #Res BW 30 kHz #VBW 100 kHz Span 3 MHz Sweep 4.133 ms Occupied Bandwidth 1.9475 MHz Total Power 5.40 dBm Transmit Freq Error 22.333 kHz % of OBW Power 99.00 % x dB Bandwidth 1.775 MHz x dB -20.00 dB	
2476MHz	

5.4. Radiated Band edge Emission

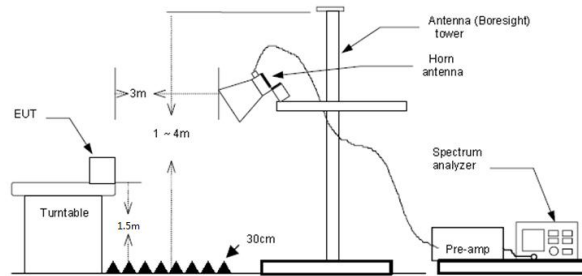
Limit:

Test configuration:

Test procedure:

FFCC CFR Title 47 Part 15 Subpart C Section 15.249 (d):

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in § 15.209, whichever is the lesser attenuation.



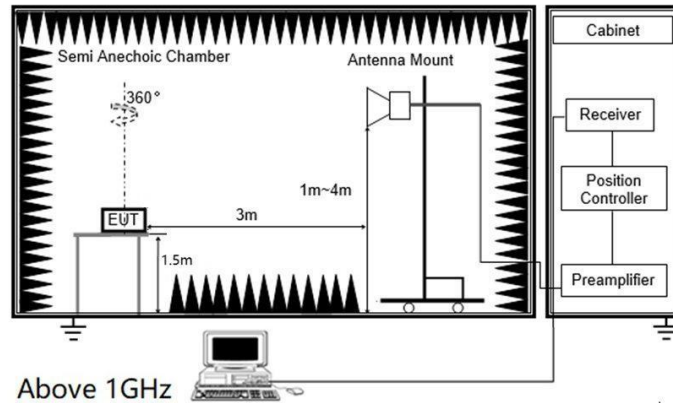
1. The EUT was setup and tested according to ANSI C63.10 .
2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10 on radiated measurement.
5. Use the following spectrum analyzer settings:
 - a) Span shall wide enough to fully capture the emission being measured
 - b) Set RBW=100kHz for <1GHz, VBW=3*RBW, Sweep time=auto, Detector=peak, Trace=max hold
 - c) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=peak, Trace=max hold for Peak measurement
 - d) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=Average, Trace=RMS for Average measurement

E.U.T. Operation

Operating Environment:

Temperature :	23.3 °C	Humidity:	56 %	Atmospheric Pressure:	103 kPa
Pre test mode:	TM1, TM2, TM3				
Final test mode:	TM1, TM2, TM3				

Test Setup Diagram



Test Result

Pass

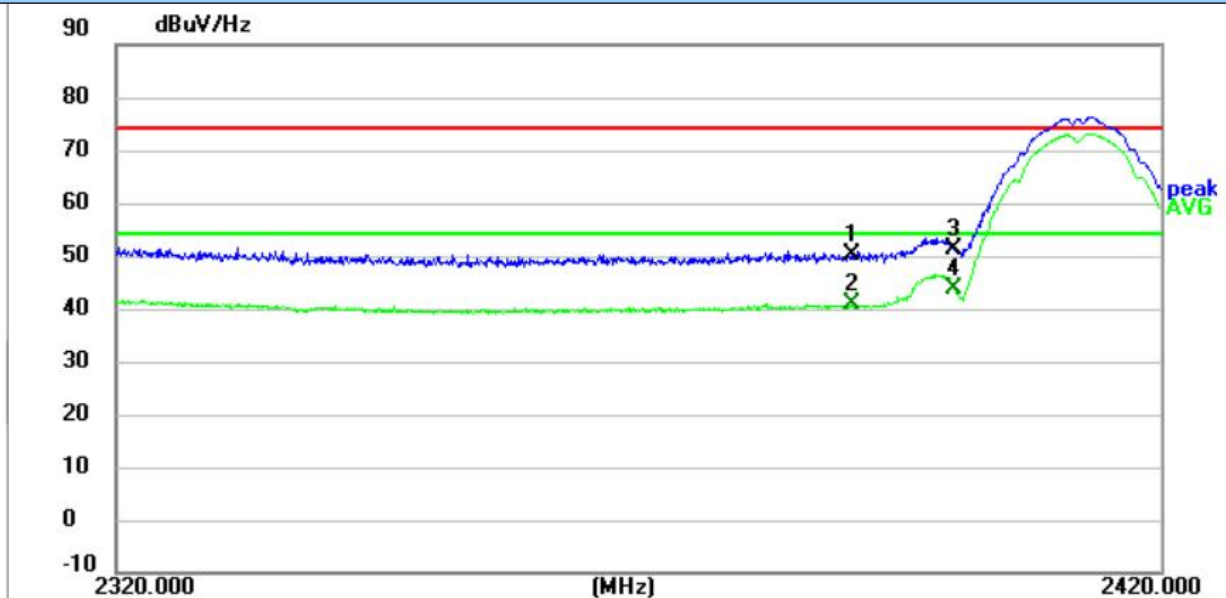
Test Data

Note:

- 1) Level= Reading + Factor; Factor =Antenna Factor+ Cable Loss- Preamp Factor
- 2) Margin = Limit - Level
- 3) Average measurement was not performed if peak level is lower than average limit
- 4) Have pre-scan all test mode, found TM1 mode which it was worst case, so only show the worst case' s data on this report.
- 5) The other emission levels were very low against the limit.

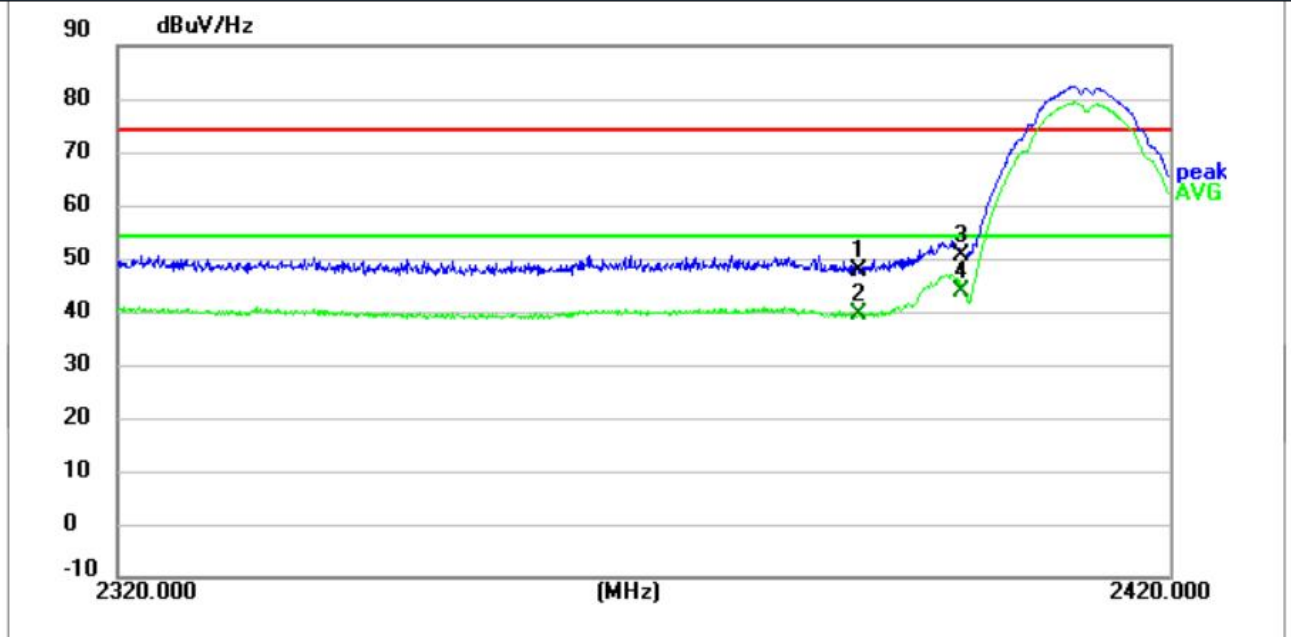
Have pre-scan all test mode, found TM1 mode which it was worst case, so only show the worst case's data on this report.

Mode1 / Polarization: Horizontal / CH: L



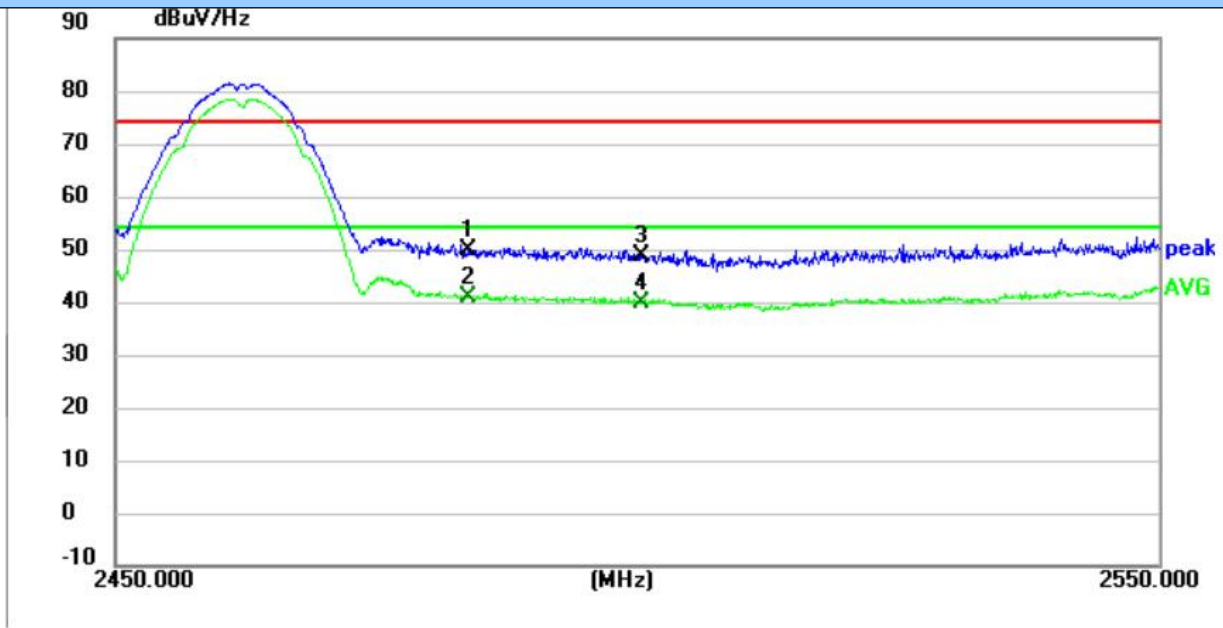
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	2390.0000	47.71	2.34	50.05	74.00	23.95	peak
2	2390.0000	38.40	2.34	40.74	54.00	13.26	AVG
3	2400.0000	48.83	2.38	51.21	74.00	22.79	peak
4 *	2400.0000	41.22	2.38	43.60	54.00	10.40	AVG

Mode1 / Polarization: Vertical / CH: L



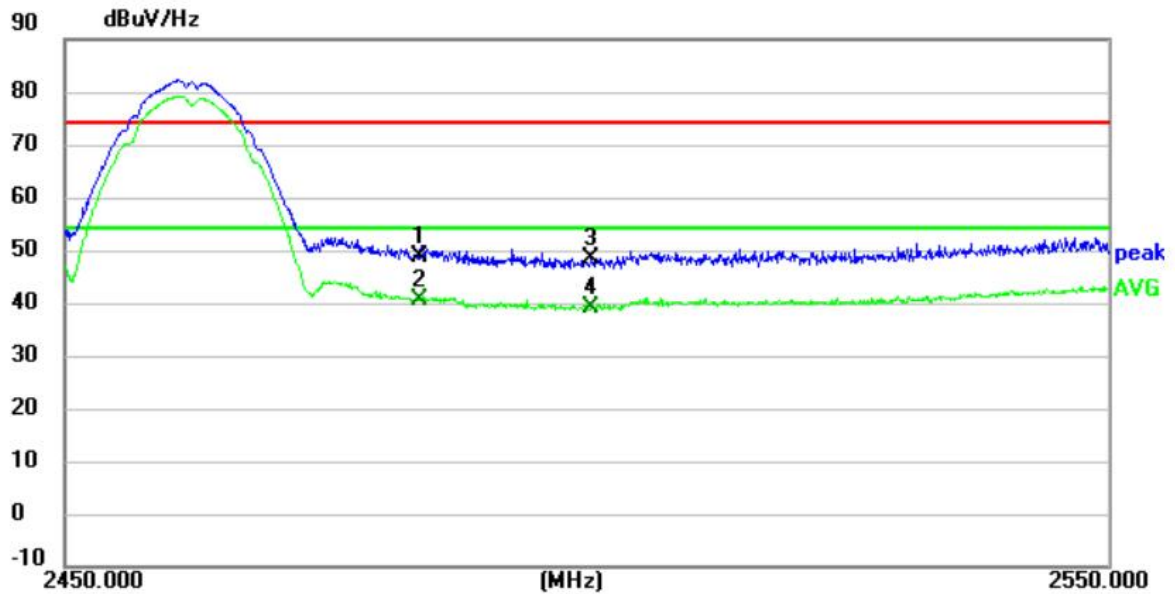
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	2390.0000	45.29	2.34	47.63	74.00	26.37	peak
2	2390.0000	37.06	2.34	39.40	54.00	14.60	AVG
3	2400.0000	48.30	2.38	50.68	74.00	23.32	peak
4 *	2400.0000	41.52	2.38	43.90	54.00	10.10	AVG

Mode1 / Polarization: Horizontal / CH: H



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	2483.5000	47.22	2.66	49.88	74.00	24.12	peak
2 *	2483.5000	38.32	2.66	40.98	54.00	13.02	AVG
3	2500.0000	46.11	2.80	48.91	74.00	25.09	peak
4	2500.0000	37.02	2.80	39.82	54.00	14.18	AVG

Mode1 / Polarization: Vertical / CH: H



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	2483.5000	46.07	2.66	48.73	74.00	25.27	peak
2 *	2483.5000	38.00	2.66	40.66	54.00	13.34	AVG
3	2500.0000	45.58	2.80	48.38	74.00	25.62	peak
4	2500.0000	36.20	2.80	39.00	54.00	15.00	AVG

5.5. Radiated Spurious Emission

Limit:

FCC CFR Title 47 Part 15 Subpart C Section 15.209

Frequency	Limit (dBuV/m)	Value
0.009 MHz ~0.49 MHz	2400/F(kHz) @300m	Quasi-peak
0.49 MHz ~ 1.705 MHz	24000/F(kHz) @30m	Quasi-peak
1.705 MHz ~30 MHz	30 @30m	Quasi-peak

Limit dBuV/m @3m = Limit dBuV/m @300m + 40*log(300/3)

Limit dBuV/m @3m = Limit dBuV/m @30m +40*log(30/3)

FCC CFR Title 47 Part 15 Subpart C Section 15.249

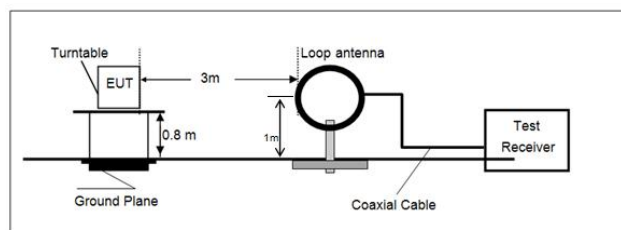
As shown in § 15.35(b), for frequencies above 1000 MHz, the field strength limits in paragraphs (a) and (b) of this section are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For point-to-point operation under paragraph (b) of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the Antenna azimuth.

Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
902-928 MHz	50	500
2400-2483.5 MHz	50	500
5725-5875 MHz	50	500
24.0-24.25 GHz	250	2500

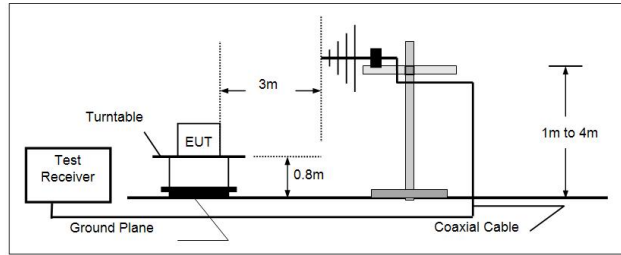
Frequency	Limit (dBuV/m @3m)	Value
30MHz~88MHz	40.00	Quasi-peak
88MHz~216MHz	43.50	Quasi-peak
216MHz~960MHz	46.00	Quasi-peak
960MHz~1GHz	54.00	Quasi-peak
Above 1GHz(Field strength of fundamental)	94.00	Average
	114.00	Peak
Above 1GHz(Field strength of harmonics)	54.00	Average
	74.00	Peak

Test configuration:

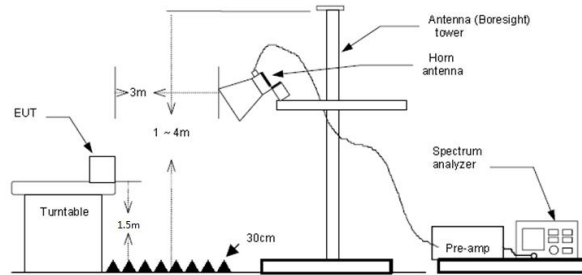
9kHz~30MHz



30 MHz ~ 1 GHz



Above 1 GHz



Test procedure:

1. The EUT was setup and tested according to ANSI C63.10.
2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Use the following spectrum analyzer settings
 - a) Span shall wide enough to fully capture the emission being measured;
 - b) Below 1 GHz:
RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold;
If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
 - c) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=peak, Trace=max hold for Peak measurement
 - d) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=Average, Trace=RMS for Average measurement

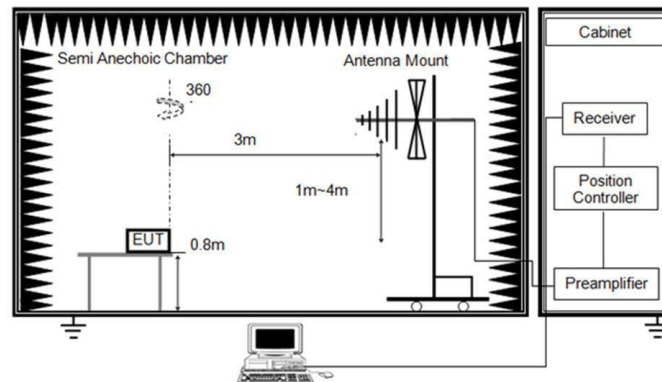
E.U.T. Operation

Operating Environment:

Temperature :	23.3 °C	Humidity:	56 %	Atmospheric Pressure:	103 kPa
Pre test mode:	TM1				

Final test mode:	TM1
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Test Setup Diagram



Below 1 GHz and above 30 MHz

Test Result

Pass

Test Data

Note:

- 1) Level= Reading + Factor/Transd; Factor/Transd =Antenna Factor+ Cable Loss- Preamp Factor
- 2) Margin = Limit – Level
- 3) Average measurement was not performed if peak level is lower than average limit(54 dBuV/m) for above 1GHz.
- 4) The other emission levels were very low against the limit.
- 5) This test was performed with EUT in X, Y, Z position and the worse case was found when EUT in X position.

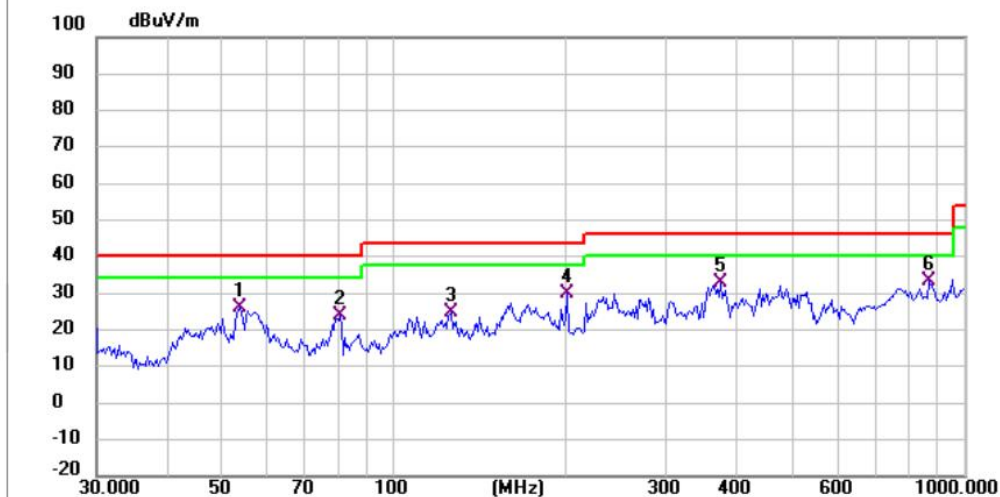
For 9 kHz ~ 30 MHz

The EUT was pre-scanned this frequency band, found the radiated level 20dB lower than the limit, so don't show data on this report.

For 30 MHz ~ 1000 MHz

Have pre-scan all test mode, found TM1 mode CH00 which it was worst case, so only show the worst case's data on this report.

Mode1 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	53.6931	55.92	-29.97	25.95	40.00	14.05	QP
2	80.0805	58.96	-34.98	23.98	40.00	16.02	QP
3	125.4457	57.52	-32.87	24.65	43.50	18.85	QP
4	200.6880	59.77	-29.83	29.94	43.50	13.56	QP
5	374.6225	58.64	-25.51	33.13	46.00	12.87	QP
6 *	869.1300	48.47	-15.25	33.22	46.00	12.78	QP

Mode1 / Polarization: Vertical

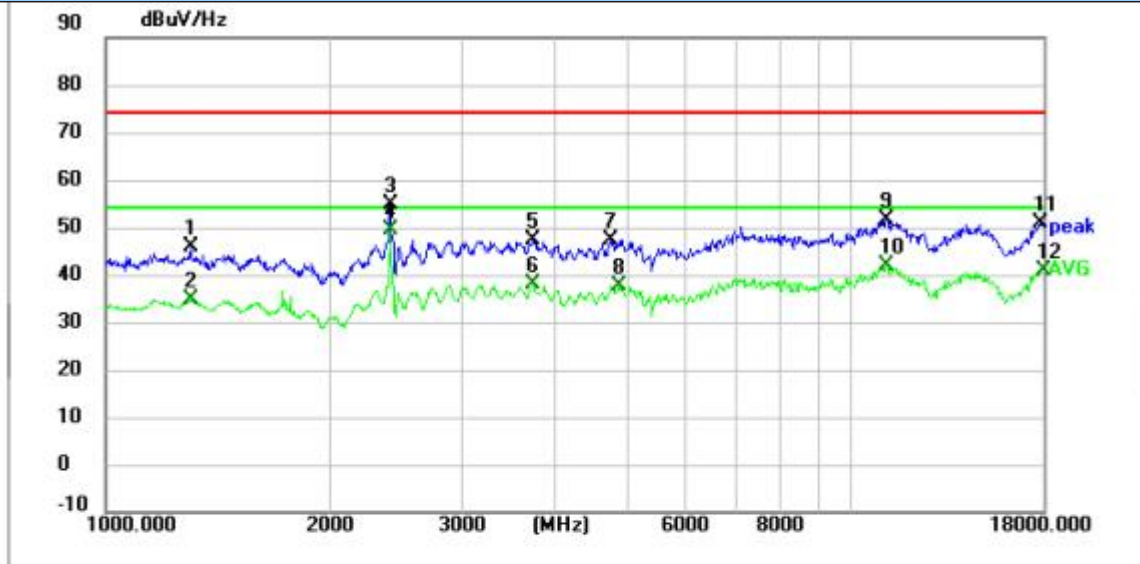


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	42.8997	55.07	-29.93	25.14	40.00	14.86	QP
2	78.9651	59.79	-34.76	25.03	40.00	14.97	QP
3	106.7587	60.16	-30.69	29.47	43.50	14.03	QP
4	200.6880	62.40	-29.83	32.57	43.50	10.93	QP
5	312.1792	61.09	-26.84	34.25	46.00	11.75	QP
6 *	566.6221	57.83	-20.15	37.68	46.00	8.32	QP

For 1 GHz ~ 18 GHz

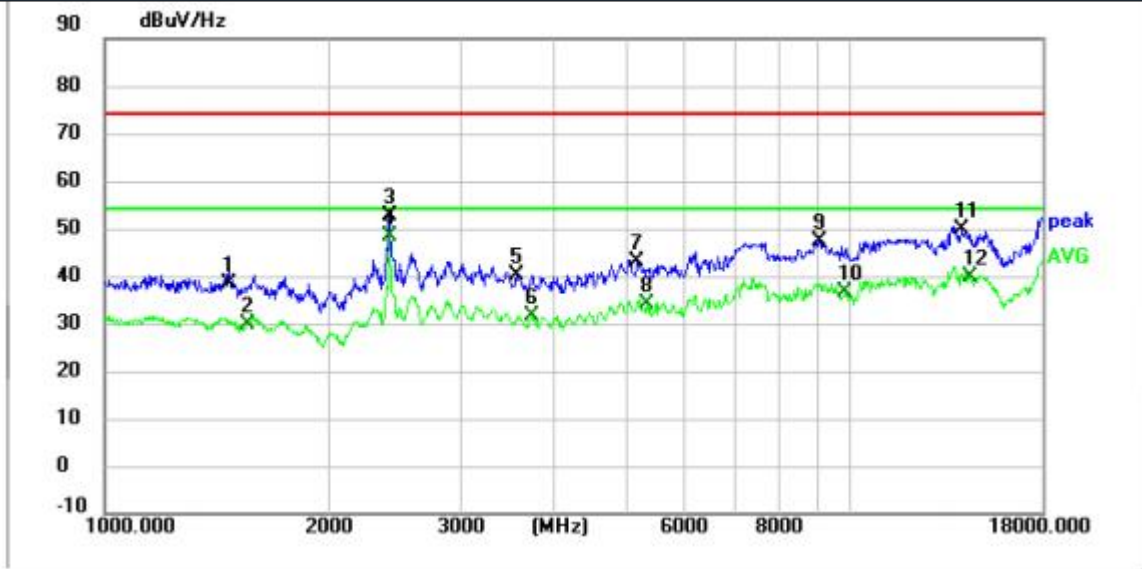
Have pre-scan all test mode, found TM1 mode which it was worst case, so only show the worst case's data on this report.

Mode1 / Polarization: Horizontal / CH: L



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	1304.3000	47.42	-1.61	45.81	74.00	28.19	peak
2	1307.7000	36.28	-1.62	34.66	54.00	19.34	AVG
3	2412.7000	52.41	2.38	54.79	74.00	19.21	peak
4 *	2412.7000	47.09	2.38	49.47	54.00	4.53	AVG
5	3743.8000	40.36	6.80	47.16	74.00	26.84	peak
6	3743.8000	31.08	6.80	37.88	54.00	16.12	AVG
7	4746.8000	37.44	9.97	47.41	74.00	26.59	peak
8	4865.8000	26.56	11.11	37.67	54.00	16.33	AVG
9	11137.1000	23.34	28.11	51.45	74.00	22.55	peak
10	11137.1000	13.80	28.11	41.91	54.00	12.09	AVG
11	17869.1000	60.64	-9.59	51.05	74.00	22.95	peak
12	18000.0000	49.81	-8.90	40.91	54.00	13.09	AVG

Mode1 / Polarization: Vertical / CH: L

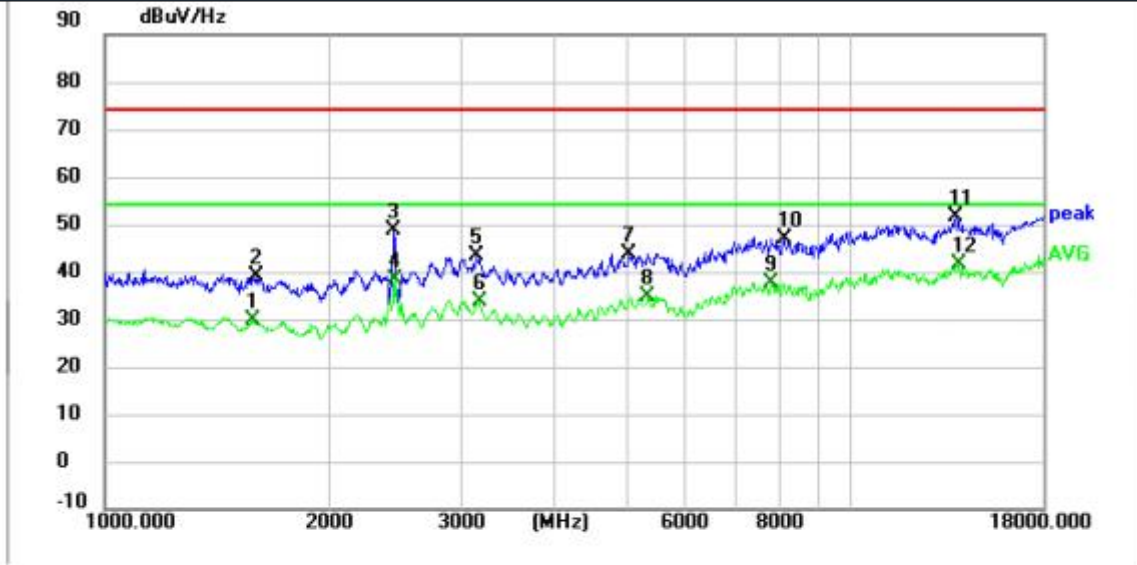


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	1467.5000	39.72	-1.33	38.39	74.00	35.61	peak
2	1557.6000	31.15	-1.37	29.78	54.00	24.22	AVG
3	2412.7000	50.14	2.38	52.52	74.00	21.48	peak
4 *	2412.7000	45.98	2.38	48.36	54.00	5.64	AVG
5	3575.5000	34.00	6.33	40.33	74.00	33.67	peak
6	3730.2000	24.75	6.79	31.54	54.00	22.46	AVG
7	5175.2000	30.00	13.19	43.19	74.00	30.81	peak
8	5319.7000	20.26	13.68	33.94	54.00	20.06	AVG
9	9071.6000	24.22	23.10	47.32	74.00	26.68	peak
10	9819.6000	11.50	25.20	36.70	54.00	17.30	AVG
11	14095.1000	60.66	-10.71	49.95	74.00	24.05	peak
12	14484.4000	50.34	-10.62	39.72	54.00	14.28	AVG

Test channel:2405MHz

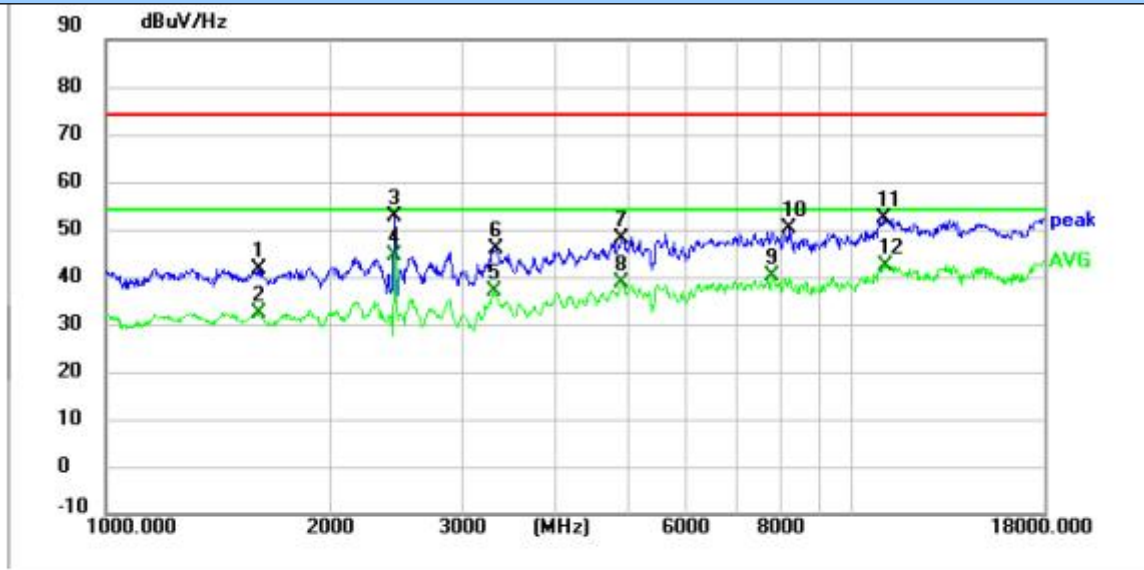
Freq. (MHz)	Reading (dBuv)	Ant. Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)	Level (dBuv)	Limit (dBuV/m)	Margin (dB)	Remark	Polarity
2405.00	92.47	29.18	4.02	38.35	-5.15	87.32	114	26.68	Peak	Horizontal
2405.00	80.22	29.18	4.02	38.35	-5.15	75.07	94	18.93	Average	Horizontal
2405.00	81.80	29.18	4.02	38.35	-5.15	76.65	114	37.35	Peak	Vertical
2405.00	67.16	29.18	4.02	38.35	-5.15	62.01	94	31.99	Average	Vertical

Mode1 / Polarization: Horizontal / CH: M



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	1583.1000	31.04	-1.27	29.77	54.00	24.23	AVG
2	1595.0000	40.42	-1.24	39.18	74.00	34.82	peak
3	2439.9000	46.20	2.39	48.59	74.00	25.41	peak
4	2443.3000	35.93	2.39	38.32	54.00	15.68	AVG
5	3150.5000	37.02	6.36	43.38	74.00	30.62	peak
6	3170.9000	27.23	6.45	33.68	54.00	20.32	AVG
7	5042.6000	30.75	12.94	43.69	74.00	30.31	peak
8	5333.3000	21.16	13.63	34.79	54.00	19.21	AVG
9	7806.8000	15.60	22.10	37.70	54.00	16.30	AVG
10	8116.2000	24.23	22.69	46.92	74.00	27.08	peak
11	13773.8000	62.66	-11.18	51.48	74.00	22.52	peak
12 *	13916.6000	52.47	-10.93	41.54	54.00	12.46	AVG

Mode1 / Polarization: Vertical / CH: M

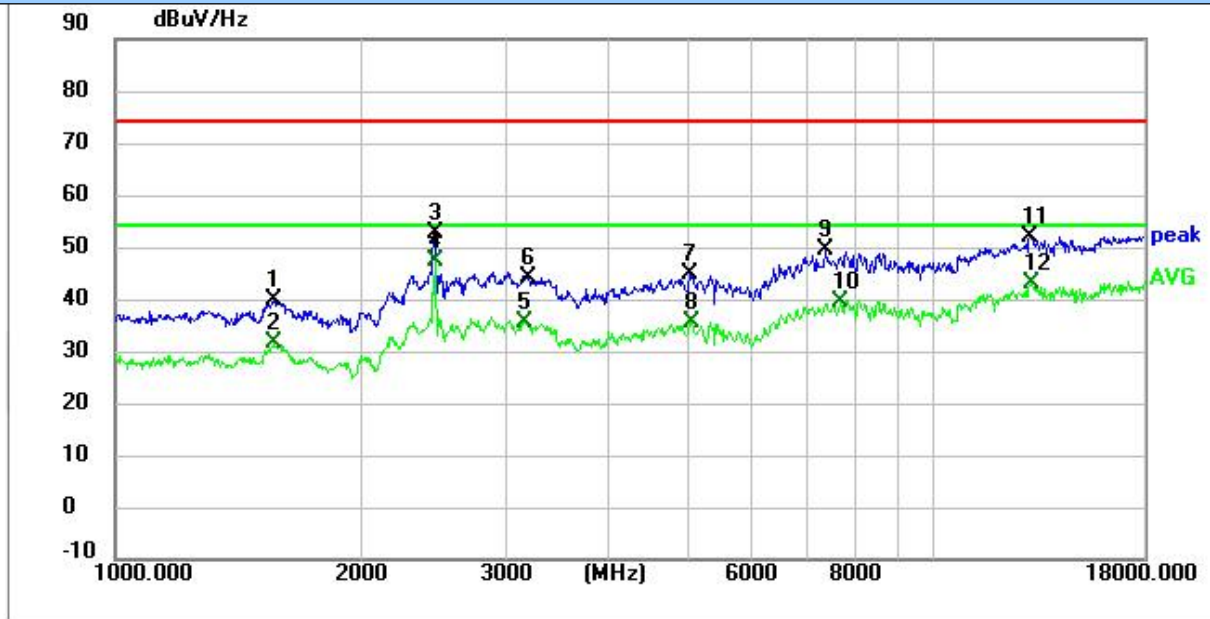


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	1605.2000	42.79	-1.21	41.58	74.00	32.42	peak
2	1605.2000	33.54	-1.21	32.33	54.00	21.67	AVG
3	2434.8000	50.15	2.39	52.54	74.00	21.46	peak
4 *	2439.9000	41.95	2.39	44.34	54.00	9.66	AVG
5	3320.5000	30.37	6.43	36.80	54.00	17.20	AVG
6	3337.5000	39.52	6.44	45.96	74.00	28.04	peak
7	4903.2000	36.69	11.41	48.10	74.00	25.90	peak
8	4903.2000	27.18	11.41	38.59	54.00	15.41	AVG
9	7811.9000	18.12	22.14	40.26	54.00	13.74	AVG
10	8233.5000	27.49	22.76	50.25	74.00	23.75	peak
11	10999.4000	24.13	28.10	52.23	74.00	21.77	peak
12	11106.5000	14.40	28.07	42.47	54.00	11.53	AVG

Test channel:2447MHz

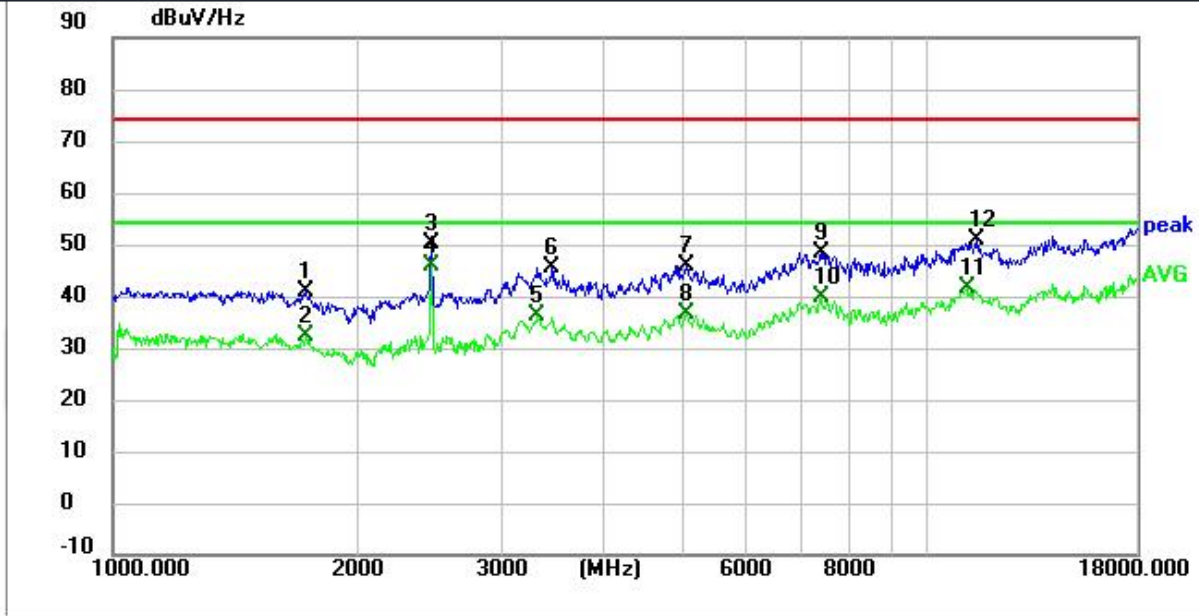
Freq. (MHz)	Reading (dBuv)	Ant. Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)	Level (dBuv)	Limit (dBuV/m)	Margin (dB)	Remark	Polarity
2447.00	91.16	29.23	4.02	38.2	-4.95	86.21	114	27.79	Peak	Horizontal
2447.00	81.21	29.23	4.02	38.2	-4.95	76.26	94	17.74	Average	Horizontal
2447.00	82.98	29.23	4.02	38.2	-4.95	78.03	114	35.97	Peak	Vertical
2447.00	69.07	29.23	4.02	38.2	-4.95	64.12	94	29.88	Average	Vertical

Mode1 / Polarization: Horizontal / CH: H



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	1564.4000	41.30	-1.34	39.96	74.00	34.04	peak
2	1566.1000	32.97	-1.34	31.63	54.00	22.37	AVG
3	2462.0000	50.12	2.49	52.61	74.00	21.39	peak
4 *	2462.0000	44.75	2.49	47.24	54.00	6.76	AVG
5	3164.1000	29.18	6.43	35.61	54.00	18.39	AVG
6	3203.2000	37.67	6.58	44.25	74.00	29.75	peak
7	5039.2000	31.78	12.90	44.68	74.00	29.32	peak
8	5051.1000	22.41	13.03	35.44	54.00	18.56	AVG
9	7380.1000	27.32	22.12	49.44	74.00	24.56	peak
10	7679.3000	16.71	22.66	39.37	54.00	14.63	AVG
11	13071.7000	64.08	-12.09	51.99	74.00	22.01	peak
12	13172.0000	54.88	-11.96	42.92	54.00	11.08	AVG

Mode1 / Polarization: Vertical / CH: H



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	1722.5000	41.52	-0.73	40.79	74.00	33.21	peak
2	1731.0000	32.94	-0.67	32.27	54.00	21.73	AVG
3	2462.0000	47.61	2.49	50.10	74.00	23.90	peak
4 *	2462.0000	43.34	2.49	45.83	54.00	8.17	AVG
5	3320.5000	29.76	6.43	36.19	54.00	17.81	AVG
6	3458.2000	39.18	6.24	45.42	74.00	28.58	peak
7	5064.7000	32.78	13.03	45.81	74.00	28.19	peak
8	5064.7000	23.40	13.03	36.43	54.00	17.57	AVG
9	7400.5000	26.39	22.12	48.51	74.00	25.49	peak
10	7400.5000	17.60	22.12	39.72	54.00	14.28	AVG
11	11142.2000	13.35	28.11	41.46	54.00	12.54	AVG
12	11444.8000	22.54	28.28	50.82	74.00	23.18	peak

Test channel:2476MHz

Freq. (MHz)	Reading (dBuv)	Ant. Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correc tion Factor (dB/m)	Level (dBuv)	Limit (dBu V/m)	Margin (dB)	Remark	Polarity
2476.00	94.38	29.2	4.02	38.3	-5.08	89.30	114	24.70	Peak	Horizontal
2476.00	80.27	29.2	4.02	38.3	-5.08	75.19	94	18.81	Average	Horizontal
2476.00	82.51	29.2	4.02	38.3	-5.08	77.43	114	36.57	Peak	Vertical
2476.00	67.58	29.2	4.02	38.3	-5.08	62.50	94	31.50	Average	Vertical

Note:

1) Level= Reading + Factor; Factor =Antenna Factor+ Cable Loss- Preamp Factor

2) Margin = Limit – Level

3) Average measurement was not performed if peak level is lower than average limit (54dBuV/m) for above 1GHz.

6. TEST SETUP PHOTOS

Please refer to report for Test CISRR25042526605 of the EUT.

7. EXTERNAL AND INTERNAL PHOTOS

7.1 External photos

Please refer to report for Test CISRR25042526605 of the EUT.

7.2 Internal photos

Please refer to report for Test CISRR25042526605 of the EUT.

-----End of the report-----