

TEST REPORT

Report No.	CISRR250723185
Project No.	CISR250723185
FCC ID	2AWMKBTP-KP70B
Applicant	Guangzhou Pinzhong Electronic Technology Co.,Ltd.
Address	Room611-612,Greenland Center of Financial City,No.662, Huangpu Avenue Middle Road,Tianhe District,Guangzhou City,China
Manufacturer	Guangzhou Pinzhong Electronic Technology Co.,Ltd.
Address	Room611-612,Greenland Center of Financial City,No.662, Huangpu Avenue Middle Road,Tianhe District,Guangzhou City,China
Product Name	Receiver
Trade Mark	
Model/Type reference	BTP-KP70B
Listed Model(s)	N/A
Standard	Part 15 Subpart C Section 15.249
Test date	August 4, 2025 to August 7, 2025
Issue date	August 7, 2025
Test result	Complied

Lucas Huang

Prepared by: Lucas Huang



The test results relate only to the tested samples.

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1. REPORT VERSION

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

2. SUMMARY OF TEST RESULT

No.	Test Item	Standard Requirement	Result
1	Antenna requirement	47 CFR Part 15.203	Pass
2	Occupied Bandwidth	47 CFR 15.215(c)	Pass
3	Field strength of fundamental	47 CFR 15.249(a) 47 CFR 15.249(b)(1)	Pass
4	Band edge emissions (Radiated)	47 CFR 15.249(d)	Pass
5	Emissions in frequency bands	47 CFR 15.249(a) 47 CFR 15.249(d) 47 CFR 15.249(e)	Pass

Note:

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

3. SUMMARY

3.1. Product Description

Main unit information:	
Product Name:	Receiver
Trade Mark:	
Model No.:	BTP-KP70B
Listed Model(s):	N/A
Model difference:	N/A
Power supply:	Input: DC 5V
Hardware version:	V1
Software version:	V1
Accessory unit (AU) information:	
Battery information:	N/A

3.2. Radio Specification Description

Technology:	2.4G
Modulation:	GFSK
Operation frequency:	2402MHz~2480MHz
Channel number:	40
Antenna type:	PCB antenna
Antenna gain:	0.71dBi

Channel list:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2402	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474

7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

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	

4. 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

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	2402
CH-M	2440
CH-H	2480

4.2. Test mode

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 Bluetooth linking mode with AE.

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	Lenovo	ThinkPad

4.4. Test sample information

Type	sample no.
Engineer sample	CISRR250723185-S01
Normal sample	CISRR250723185-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

4.6. Statement of the measurement uncertainty

No.	Test Items	Measurement Uncertainty
1	20dB Bandwidth	0.002%
2	Radiated Band Edge Emission	3.76dB for 30MHz-1GHz 3.80dB for above 1GHz
3	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

AC Conducted Emission						
Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	EMI Test Receiver	Rohde&schwarz	ESCI7	100853	2025-01-08	2026-01-07
2	Artificial power network	Schwarzbeck	NSLK8127	8127-01096	2025-01-08	2026-01-07
3	8-wire Impedance Stabilization Network	Schwarzbeck	NTFM 8158	8158-00337	2025-01-08	2026-01-07
4	Artificial power network	Schwarzbeck	ENV216	/	2025-01-08	2026-01-07

20 dB Bandwidth						
Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	MXG RF Signal Generator	Agilent	N5181A	MY50145362	2025-01-08	2026-01-07
2	Spectrum analyzer	R&S	FSV-40N	102130	2025-01-08	2026-01-07
3	Vector Signal Generator	Agilent	N5182A	MY50142364	2025-01-08	2026-01-07

Radiated Band Edge Emission Radiated Spurious Emission						
Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	EMI Test Receiver	Rohde&schwarz	ESCI7	100853	2025-01-08	2026-01-07
2	Amplifier	Tonscend	TAP9K3G 40	AP23A8060270	2025-01-08	2026-01-07
3	Prime amplifier	Tonscend	TAP0101 8050	AP23A8060280	2025-01-08	2026-01-07
4	9*6*6 anechoic chamber	SKET	9.3*6.3*6	N/A	2024-09-02	2027-09-01
5	Spectrum analyzer	Agilent	N9020A	MY50530263	2025-01-08	2026-01-07
6	Spectrum analyzer	R&S	FSV-40N	102130	2025-01-08	2026-01-07
7	Bilog Antenna	Schwarzbeck	VULB 9163	1463	2023-01-09	2026-01-08
8	Horn Antenna	SCHWARZBECK	BBHA 9120 D	2487	2023-01-09	2026-01-08
9	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	/	2023-01-09	2026-01-08
10	RF Cable	Tonscend	Cable 1	/	2025-01-08	2026-01-07
11	RF Cable	Tonscend	Cable 2	/	2025-01-08	2026-01-07
12	RF Cable	SKET	Cable 3	/	2025-01-08	2026-01-07
13	L.I.S.N.#1	Schwarzbeck	NSLK8127	/	2025-01-08	2026-01-07

14	L.I.S.N.#2	ROHDE&SCHWA RZ	ENV216	/	2025-01-08	2026-01-07
15	Horn Antenna	SCHWARZBECK	BBHA917 0	1130	2023-01-09	2026-01-08
16	Preamplifier	Tonscend	TAP1804 0048	AP21C806126	2025-01-08	2026-01-07
17	Variable-frequency power source	Pinhong	PH1110	/	2025-01-08	2026-01-07
18	6dB Attenuator	SKET	DC-6G	/	2025-01-08	2026-01-07
19	Antenna tower	SKT	Bk-4AT- BS	AT202104010 1-V1	2025-01-08	2026-01-07

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.

Description

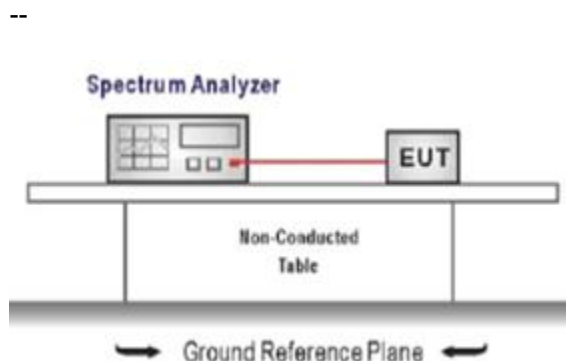
The EUT antenna is PCB Antenna, antenna structure please refer to the EUT internal photographs antenna photo.

5.2. 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.

Operating Environment:

Temperature:	22.2 °C	Humidity:	56.3 %	Atmospheric Pressure:	103 kPa
Pre test mode:	TM1				
Final test mode:	TM1				

Test Setup Diagram

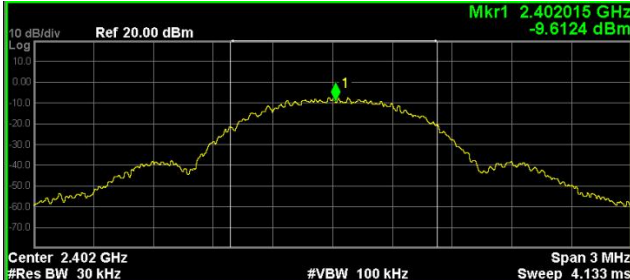
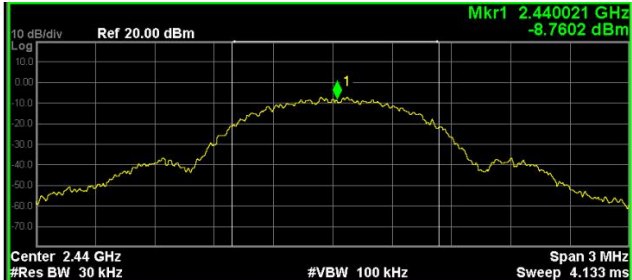
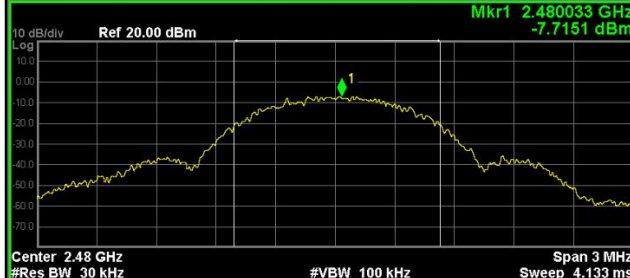


Test Result

Pass

Test Data

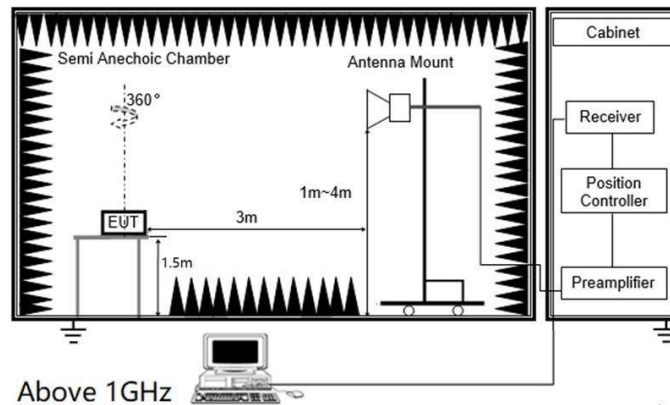
Test Result of 20dB Bandwidth Measurement		
Test Frequency(MHz)	20dB Bandwidth(MHz)	Limit(MHz)
2402	1.168	Non-Specified
2440	1.188	Non-Specified
2480	1.184	Non-Specified

20dB Bandwidth	
 Center 2.402 GHz #Res BW 30 kHz #VBW 100 kHz Span 3 MHz Sweep 4.133 ms Occupied Bandwidth 1.0320 MHz Total Power 3.89 dBm Transmit Freq Error 8.295 kHz OBW Power 99.00 % x dB Bandwidth 1.168 MHz x dB -20.00 dB	 Center 2.44 GHz #Res BW 30 kHz #VBW 100 kHz Span 3 MHz Sweep 4.133 ms Occupied Bandwidth 1.0446 MHz Total Power 4.07 dBm Transmit Freq Error 14.685 kHz OBW Power 99.00 % x dB Bandwidth 1.188 MHz x dB -20.00 dB
2402MHz	2440MHz
 Center 2.48 GHz #Res BW 30 kHz #VBW 100 kHz Span 3 MHz Sweep 4.133 ms Occupied Bandwidth 1.0308 MHz Total Power 4.67 dBm Transmit Freq Error 11.111 kHz OBW Power 99.00 % x dB Bandwidth 1.184 MHz x dB -20.00 dB	
2480MHz	

5.3. Field strength of fundamental

Test Requirement:	Except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:				
	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	
The field strength of emissions in this band shall not exceed 2500 millivolts/meter.					
Test Method:		ANSI C63.10-2020 section 6.6			
Procedure:		ANSI C63.10-2020 section 6.6			
Operating Environment:					
Temperature :	22.6 °C	Humidity:	56.5 %	Atmospheric Pressure:	102.8 kPa
Pre test mode:		TM1			
Final test mode:		TM1			

Test Setup Diagram



Test Result

PASS

Test Data

Test channel:2402MHz

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
2402.00	91.09	29.18	4.02	38.35	-5.15	85.94	114	28.06	Peak	Horizontal
2402.00	80.97	29.18	4.02	38.35	-5.15	75.82	94	18.18	Average	Horizontal
2402.00	82.41	29.18	4.02	38.35	-5.15	77.26	114	36.74	Peak	Vertical
2402.00	67.28	29.18	4.02	38.35	-5.15	62.13	94	31.87	Average	Vertical

Test channel:2440MHz

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
2440.00	90.16	29.23	4.02	38.2	-4.95	85.21	114	28.79	Peak	Horizontal
2440.00	81.10	29.23	4.02	38.2	-4.95	76.15	94	17.85	Average	Horizontal
2440.00	82.23	29.23	4.02	38.2	-4.95	77.28	114	36.72	Peak	Vertical
2440.00	67.39	29.23	4.02	38.2	-4.95	62.44	94	31.56	Average	Vertical

Test channel:2480MHz

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
2480.00	92.49	29.2	4.02	38.3	-5.08	87.41	114	26.59	Peak	Horizontal
2480.00	81.34	29.2	4.02	38.3	-5.08	76.26	94	17.74	Average	Horizontal
2480.00	82.22	29.2	4.02	38.3	-5.08	77.14	114	36.86	Peak	Vertical
2480.00	68.19	29.2	4.02	38.3	-5.08	63.11	94	30.89	Average	Vertical

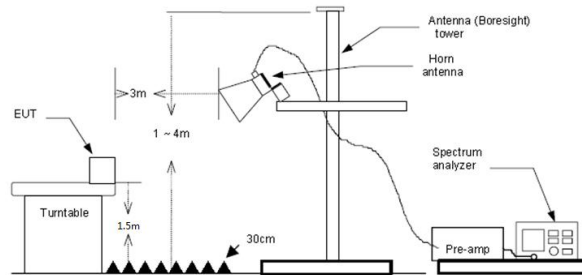
5.4. Radiated Band edge Emission

Limit:

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.

Test configuration:



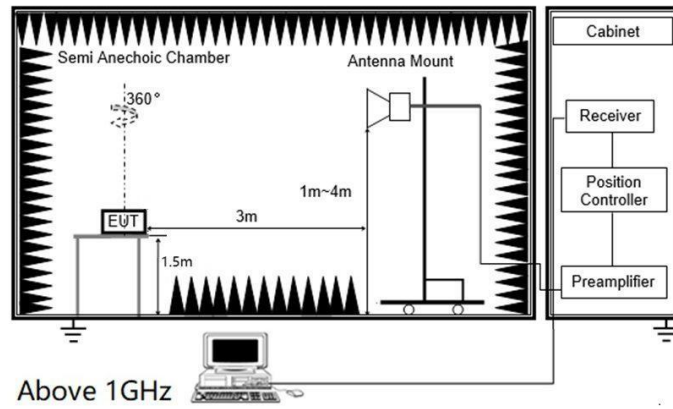
Test procedure:

1. The EUT was setup and tested according to ANSI C63.10 .
2. The EUT is placed on a turn table which is 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

Operating Environment:

Temperature:	22.2 °C	Humidity:	56.5 %	Atmospheric Pressure:	103 kPa
Pre test mode:	TM1, TM2				
Final test mode:	TM1, TM2				

Test Setup Diagram



Test Result

Pass

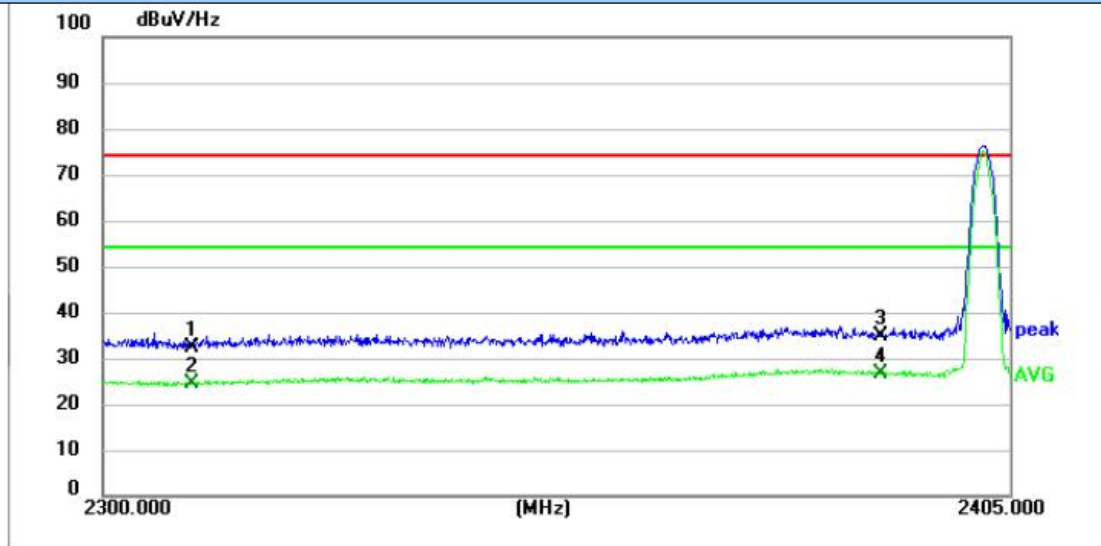
Test Data

Note:

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

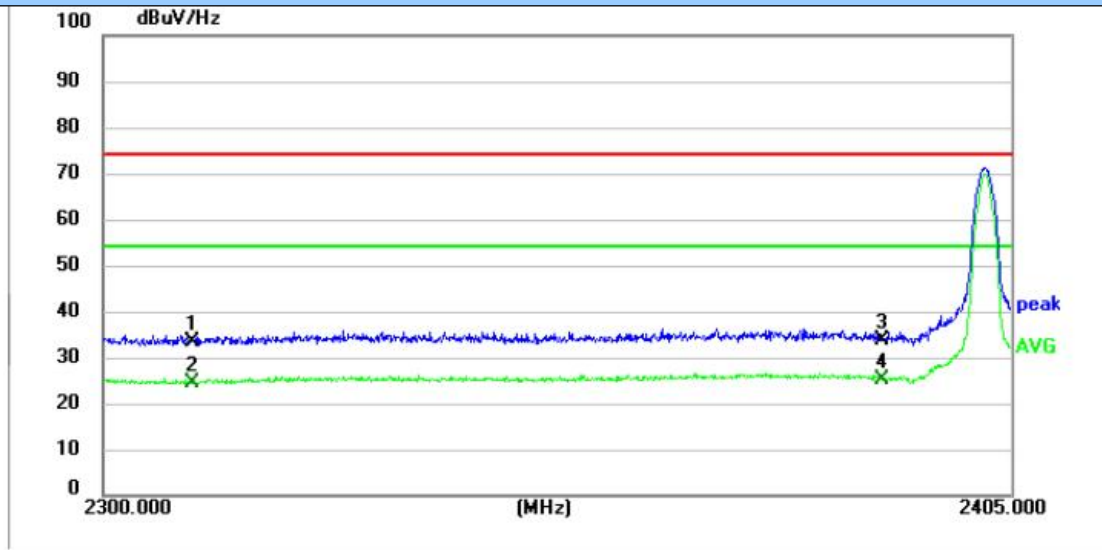
Have pre-scan all test mode, found TM1 mode which it was worst case, so only show the worst case's data on this report.

TM1/ Polarization: Horizontal / CH: L



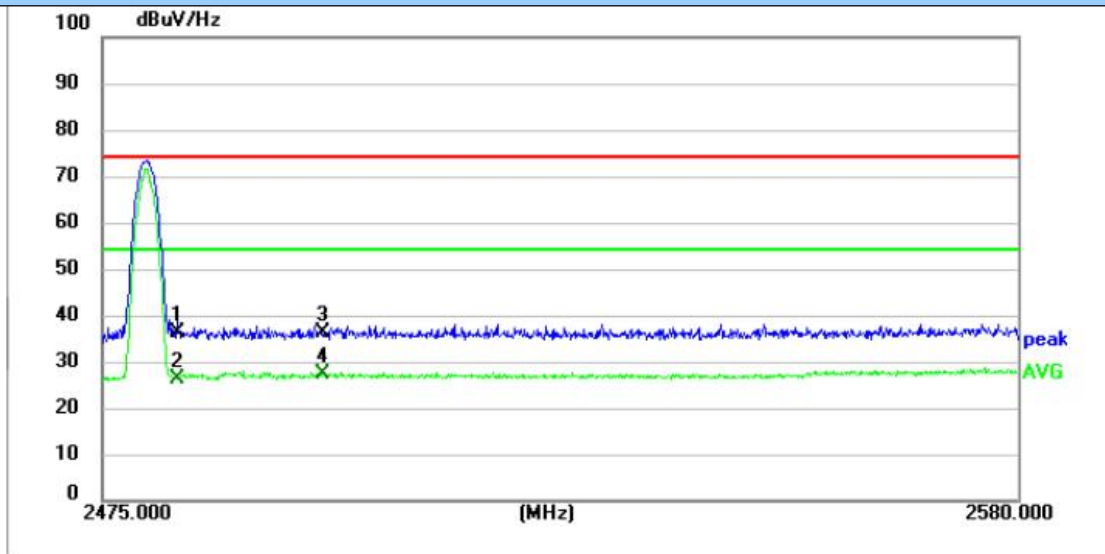
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	2310.0000	49.86	-17.52	32.34	74.00	-41.66	peak
2	2310.0000	41.93	-17.52	24.41	54.00	-29.59	AVG
3	2390.0000	51.98	-17.32	34.66	74.00	-39.34	peak
4 *	2390.0000	43.95	-17.32	26.63	54.00	-27.37	AVG

TM1/ Polarization: Vertical / CH: L



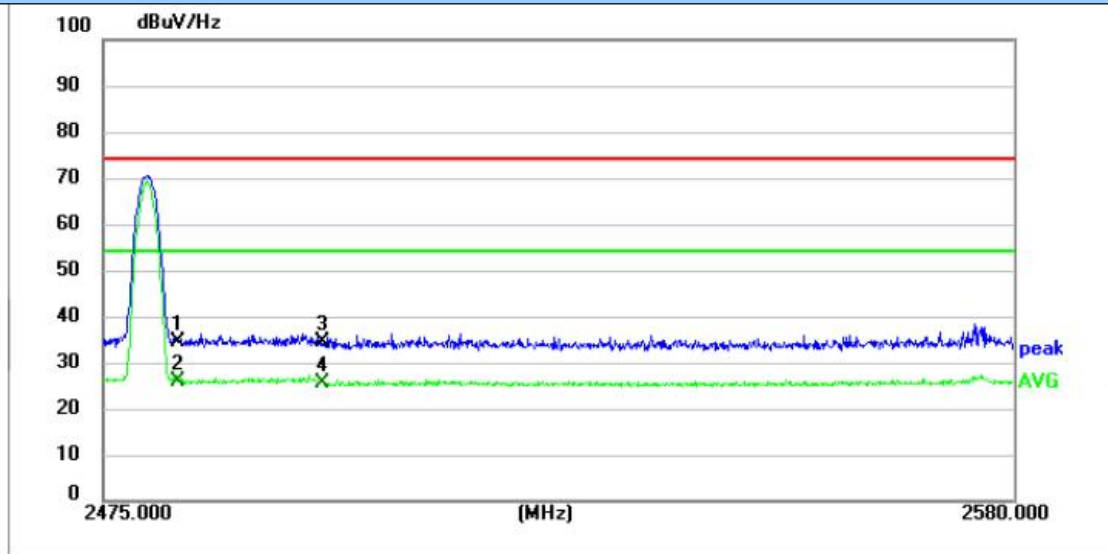
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	2310.0000	50.87	-17.52	33.35	74.00	-40.65	peak
2	2310.0000	41.93	-17.52	24.41	54.00	-29.59	AVG
3	2390.0000	51.08	-17.32	33.76	74.00	-40.24	peak
4 *	2390.0000	42.36	-17.32	25.04	54.00	-28.96	AVG

TM1/ Polarization: Horizontal / CH: H



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	2483.5000	53.11	-17.03	36.08	74.00	-37.92	peak
2	2483.5000	43.41	-17.03	26.38	54.00	-27.62	AVG
3	2500.0000	53.04	-16.94	36.10	74.00	-37.90	peak
4 *	2500.0000	44.40	-16.94	27.46	54.00	-26.54	AVG

TM1/ Polarization: Vertical / CH: H



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	2483.5000	51.39	-17.03	34.36	74.00	-39.64	peak
2 *	2483.5000	42.77	-17.03	25.74	54.00	-28.26	AVG
3	2500.0000	51.36	-16.94	34.42	74.00	-39.58	peak
4	2500.0000	42.58	-16.94	25.64	54.00	-28.36	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

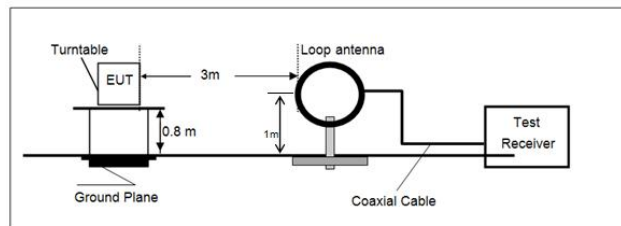
As shown in § 15.35(b), for frequencies above 1000 MHz, the field strength limits in paragraphs (a) and (b) of this section are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any 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

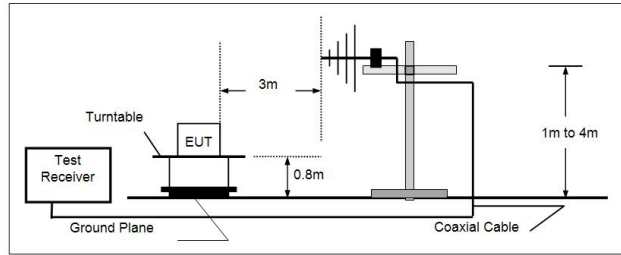
Frequency	Limit (dBuV/m @3m)	Value
30MHz~88MHz	40.00	Quasi-peak
88MHz~216MHz	43.50	Quasi-peak
216MHz~960MHz	46.00	Quasi-peak
960MHz~1GHz	54.00	Quasi-peak
Above 1GHz(Field strength of fundamental)	94.00	Average
	114.00	Peak
Above 1GHz(Field strength of harmonics)	54.00	Average
	74.00	Peak

Test configuration:

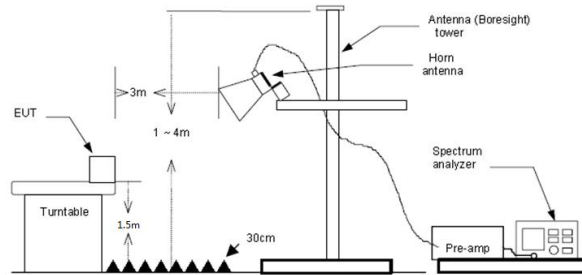
9kHz~30MHz



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

Operating Environment:

Temperature :	22.2 °C	Humidity:	56.5 %	Atmospheric Pressure:	103 kPa
Pre test mode:	TM1, TM2, TM3				
Final test mode:	TM1, TM2, TM3				

Test Result

Pass

Test Data

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.

TM1/ Polarization: Horizontal / CH: L



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	49.3594	52.45	-29.15	23.30	40.00	-16.70	QP
2 *	79.2426	68.61	-34.82	33.79	40.00	-6.21	QP
3	100.5806	58.30	-30.85	27.45	43.50	-16.05	QP
4	215.2678	57.76	-29.64	28.12	43.50	-15.38	QP
5	782.3453	51.89	-16.77	35.12	46.00	-10.88	QP
6	952.0937	50.41	-13.99	36.42	46.00	-9.58	QP

TM1/ Polarization: Vertical / CH: L



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	48.6720	53.38	-29.18	24.20	40.00	-15.80	QP
2	79.2425	63.61	-34.82	28.79	40.00	-11.21	QP
3	215.2678	61.26	-29.64	31.62	43.50	-11.88	QP
4	459.1144	43.90	-23.10	20.80	46.00	-25.20	QP
5	782.3453	50.89	-16.77	34.12	46.00	-11.88	QP
6 *	952.0937	49.41	-13.99	35.42	46.00	-10.58	QP

Note:

1) For 9 kHz ~ 30 MHz Measurement

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.

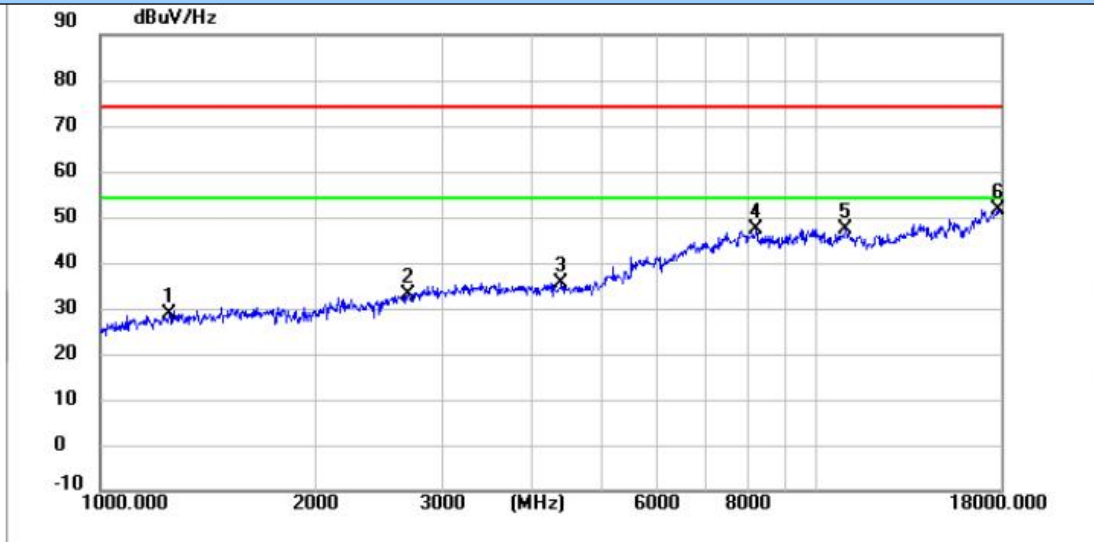
2) Level= Reading + Factor; Factor =Antenna Factor+ Cable Loss- Preamp Factor

3) Margin = Limit – Level

For 1 GHz ~ 25 GHz

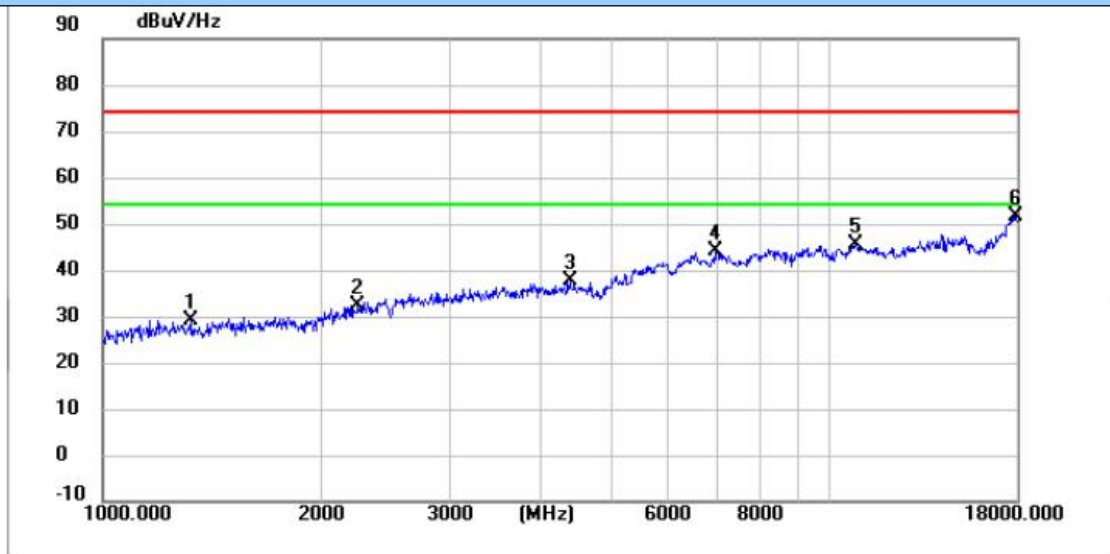
Have pre-scan all test mode, found TM1 mode which it was worst case, so only show the worst case's data on this report.

TM1/ Polarization: Horizontal / CH: L



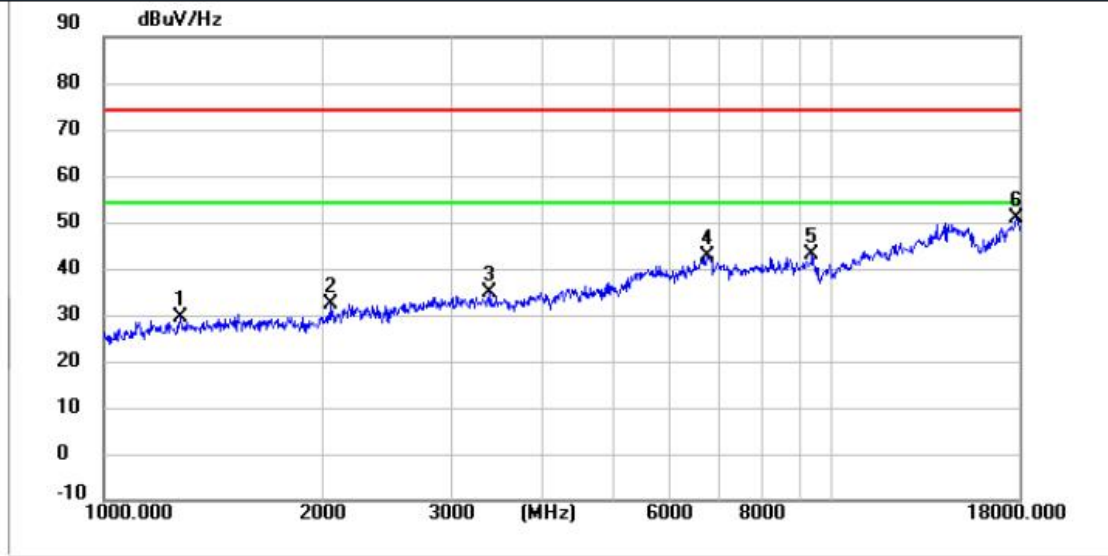
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	1246.5000	50.11	-21.38	28.73	74.00	-45.27	peak
2	2691.5000	48.84	-15.78	33.06	74.00	-40.94	peak
3	4394.9000	46.93	-11.31	35.62	74.00	-38.38	peak
4	8226.7000	40.62	6.82	47.44	74.00	-26.56	peak
5	10948.4000	34.30	13.15	47.45	74.00	-26.55	peak
6 *	17886.1000	28.27	23.28	51.55	74.00	-22.45	peak

TM1/ Polarization: Vertical / CH: L



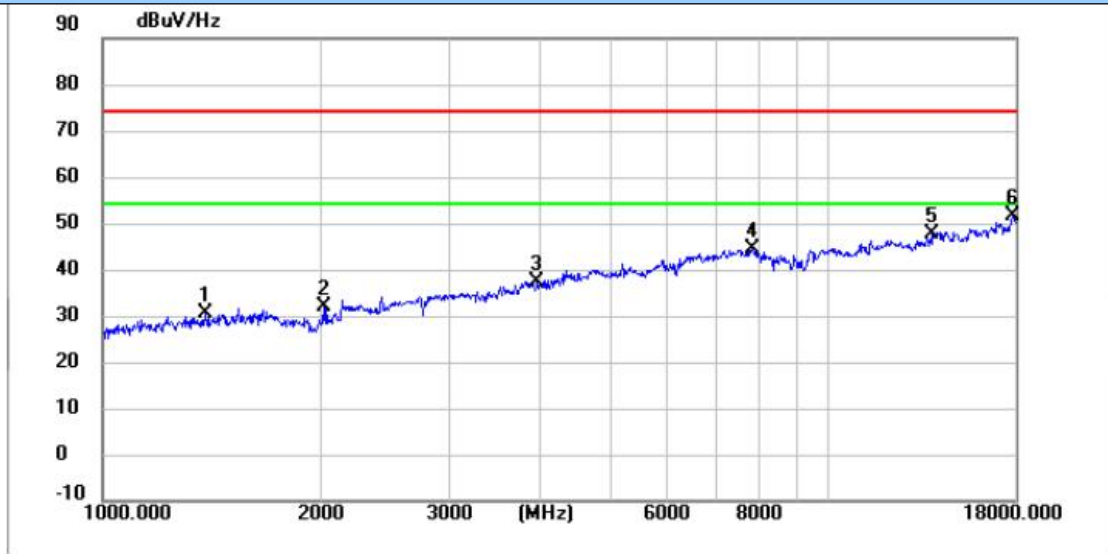
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	1321.3000	50.42	-21.24	29.18	74.00	-44.82	peak
2	2246.1000	50.12	-17.70	32.42	74.00	-41.58	peak
3	4381.3000	49.20	-11.38	37.82	74.00	-36.18	peak
4	6961.9000	40.82	3.32	44.14	74.00	-29.86	peak
5	10853.2000	32.58	12.79	45.37	74.00	-28.63	peak
6 *	17976.2000	27.83	23.95	51.78	74.00	-22.22	peak

TM1/ Polarization: Horizontal / CH: M



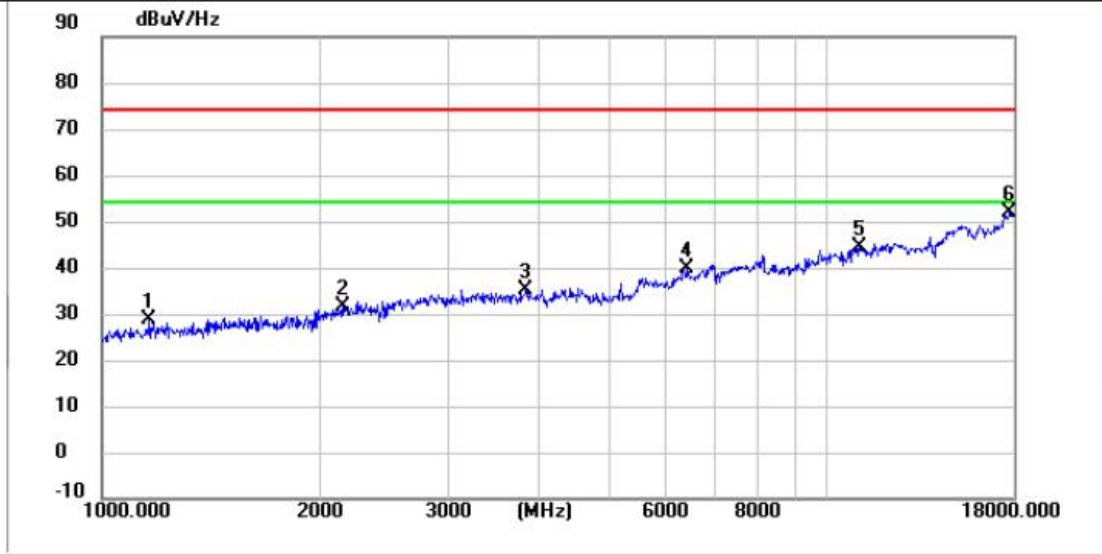
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	1277.1000	50.66	-21.32	29.34	74.00	-44.66	peak
2	2059.1000	50.74	-18.26	32.48	74.00	-41.52	peak
3	3383.4000	48.58	-13.72	34.86	74.00	-39.14	peak
4	6727.3000	41.50	1.21	42.71	74.00	-31.29	peak
5	9374.2000	33.45	9.54	42.99	74.00	-31.01	peak
6 *	17913.3000	27.37	23.49	50.86	74.00	-23.14	peak

TM1/ Polarization: Vertical / CH: M



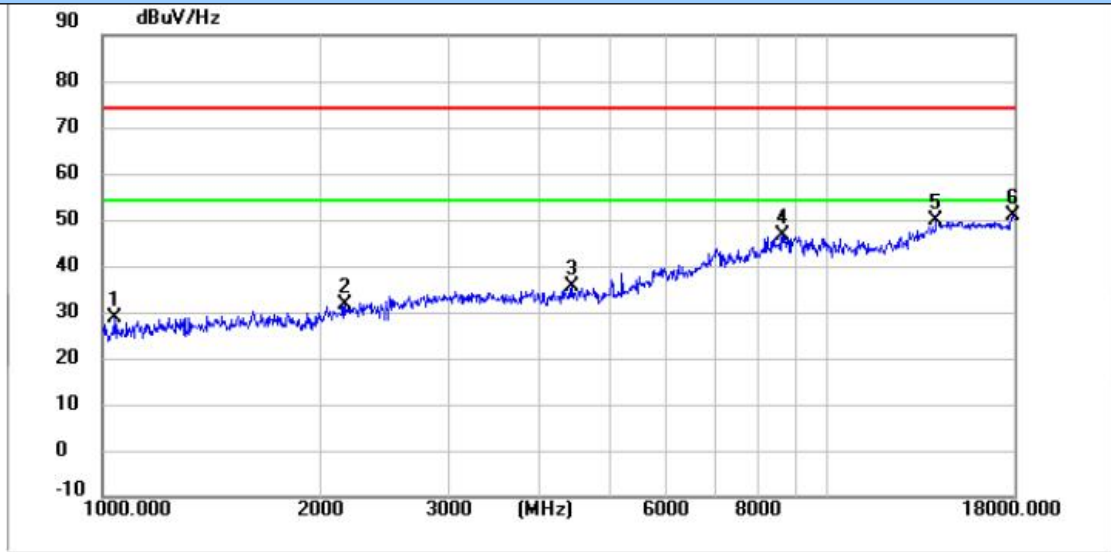
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	1384.2000	51.54	-21.14	30.40	74.00	-43.60	peak
2	2018.3000	50.51	-18.40	32.11	74.00	-41.89	peak
3	3959.7000	49.77	-12.39	37.38	74.00	-36.62	peak
4	7847.6000	38.45	5.95	44.40	74.00	-29.60	peak
5	13821.4000	29.79	17.92	47.71	74.00	-26.29	peak
6 *	17896.3000	28.27	23.36	51.63	74.00	-22.37	peak

TM1/ Polarization: Horizontal / CH: H



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	1164.9000	50.42	-21.60	28.82	74.00	-45.18	peak
2	2152.6000	49.63	-18.03	31.60	74.00	-42.40	peak
3	3844.1000	48.04	-12.72	35.32	74.00	-38.68	peak
4	6392.4000	41.76	-1.88	39.88	74.00	-34.12	peak
5	11047.0000	31.20	13.43	44.63	74.00	-29.37	peak
6 *	17802.8000	29.25	22.58	51.83	74.00	-22.17	peak

TM1/ Polarization: Vertical / CH: H



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	1040.8000	50.82	-22.04	28.78	74.00	-45.22	peak
2	2157.7000	49.70	-18.00	31.70	74.00	-42.30	peak
3	4434.0000	46.70	-11.11	35.59	74.00	-38.41	peak
4	8643.2000	39.08	7.54	46.62	74.00	-27.38	peak
5	14118.9000	31.43	18.54	49.97	74.00	-24.03	peak
6 *	17967.7000	26.83	23.89	50.72	74.00	-23.28	peak

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.
- 4) Because the test data for the 18-25G frequency band was too low, it failed to be reflected.

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