

TEST REPORT FCC PART 15.209

Report Reference No...... : **MTEB26070102-R**

FCC ID..... : **2BGGE-MR662**

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Date of issue..... : **Jul.10,2026**

Representative Laboratory Name. : **Shenzhen Most Technology Service Co., Ltd.**

Address..... : No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park,
Nanshan, Shenzhen, Guangdong, China.

Applicant's name..... : **FUJI MEDICAL INSTRUMENTS MFG.CO., LTD.**

Address..... : 14F Oe Building 1-1-22 Noninbashi, Chuo-ku, Osaka shi, 540-0011
Japan

Test specification/ Standard..... : **FCC Rules and Regulations Part 15 Subpart C (Section 15.209),
ANSIC63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to
C63.10a-2024**

TRF Originator..... : Shenzhen Most Technology Service Co., Ltd.

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Test item description..... : Massage Chair

Trade Mark..... :



Model/Type reference..... : MR662

Listed Models : N/A

Modulation Type..... : ASK

Operation Frequency..... : 115K-148K

Rating..... : 110-120V~, 60Hz, 140W 2.0A

Hardware Version : 1.0~80.0

Software Version : 1.0~80.0

Result..... : **PASS**

TEST REPORT

Equipment under Test : Massage Chair

Model /Type : MR662

Listed Models : N/A

Remark : N/A

Applicant : **FUJI MEDICAL INSTRUMENTS MFG.CO., LTD.**

Address : 14F Oe Building 1-1-22 Noninbashi, Chuo-ku, Osaka shi, 540-0011
Japan

Manufacturer : **FUJI MEDICAL INSTRUMENTS MFG.CO., LTD.**

Address : 14F Oe Building 1-1-22 Noninbashi, Chuo-ku, Osaka shi, 540-0011
Japan

Test Result:	PASS
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2026.07.10	Initial Issue	Alisa Luo

2. TEST STANDARDS

The tests were performed according to following standards:

The tests were performed according to following standards:

[ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024](#) : American National Standard for Testing Unlicensed Wireless Devices
FCC Rules and Regulations Part 15 Subpart C (Section 15.207): Conducted limits.
FCC Rules and Regulations Part 15 Subpart C (Section 15.209): Radiated emission limits; general requirements.

3. SUMMARY

3.1. General Remarks

Date of receipt of test sample	:	2026.07.05
Testing commenced on	:	2026.07.06
Testing concluded on	:	2026.07.10

3.2. Product Description

Product Name:	Massage Chair
Model/Type reference:	MR662
Power Supply:	AC 120V/60Hz
Testing sample ID:	MTYP13450
Modulation:	ASK
Operation frequency:	115K-148K
Antenna type:	Coil Antenna,0dBi

3.3. Equipment Under Test

Power supply system utilised

Power supply voltage	:	☐ 230V / 50 Hz	☒ 120V / 60Hz
		☐ 12 V DC	☐ 24 V DC
		☐ Other (specified in blank below)	

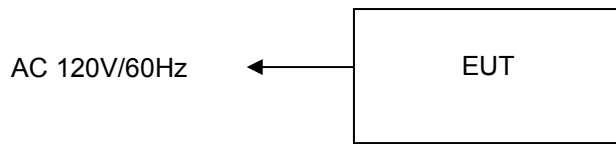
3.4. Short description of the Equipment under Test (EUT)

This is a Massage Chair For more details, refer to the user's manual of the EUT.

3.5. EUT operation mode

Test Item	Test Modes	Test Voltage
Conducted Emission	Full load mode	AC 120V/60Hz
	Half load mode	AC 120V/60Hz
	Null load mode	AC 120V/60Hz
Radiated Emission	Full load mode	AC 120V/60Hz
	Half load mode	AC 120V/60Hz
	Null load mode	AC 120V/60Hz
Note: The mode is a was the worst case and only the data of the worst case record in this report.		

3.6. Block Diagram of Test Setup



3.7. Test Item (Equipment Under Test) Description*

Short designation	EUT Name	EUT Description	Serial number	Hardware status	Software status
EUT A	/	/	/	/	/
EUT B	/	/	/	/	/

*: declared by the applicant. According to customers information EUTs A and B are the same devices.

3.8. Auxiliary Equipment (AE) Description

AE short designation	EUT Name (if available)	EUT Description	Serial number (if available)	Software (if used)
AE 1			/	/
AE 2				

3.9. Antenna Information*

Short designation	Antenna Name	Antenna Type	Frequency Range	Serial number	Antenna Peak Gain
Antenna 1	---	/	Coil Antenna	---	

*: declared by the applicant.

3.10. EUT configuration

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

○ - supplied by the manufacturer

● - Supplied by the lab

○ ADAPTER	M/N:	
	Manufacturer:	

3.11. Modifications

No modifications were implemented to meet testing criteria.

4. TEST ENVIRONMENT

4.1. Address of the test laboratory

Shenzhen Most Technology Service Co., Ltd.

No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.
The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

Test Facility

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

FCC-Registration No.: 0031192610

Shenzhen Most Technology Service Co., Ltd. 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 our files.

A2LA-Lab Cert. No.: 6343.01

Shenzhen Most Technology Service Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

4.2. Environmental conditions

Radiated Emission:

Temperature:	23 ° C
Humidity:	48 %
Atmospheric pressure:	950-1050mbar

Conducted testing:

Temperature:	24 ° C
Humidity:	45 %
Atmospheric pressure:	950-1050mbar

4.3. Test Description

FCC and IC Requirements		
FCC Part 15.203	Antenna Requirement	PASS
FCC Part 15.207	AC Power Conducted Emission	PASS
FCC Part 15.209	Radiated emission; Radiated Spurious Emissions	PASS
FCC Part 15.215	20dB Occupied Bandwidth	PASS

Remark:

1. The measurement uncertainty is not included in the test result.
2. NA = Not Applicable; NP = Not Performed

4.4. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 „Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements“ and is documented in the Shenzhen Most Technology Service Co., Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Most Technology Service Co., Ltd. is reported:

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	30~1000MHz	4.10 dB	(1)
Radiated Emission	1~18GHz	4.32 dB	(1)
Radiated Emission	18-40GHz	5.54 dB	(1)
Conducted Disturbance	0.15~30MHz	3.12 dB	(1)
20dB Bandwidth	/	5%	(1)
Maximum Conducted Output Power	/	0.80dB	(1)
Spurious RF Conducted Emission	/	1.6dB	(1)

- (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

4.5. Equipments Used during the Test

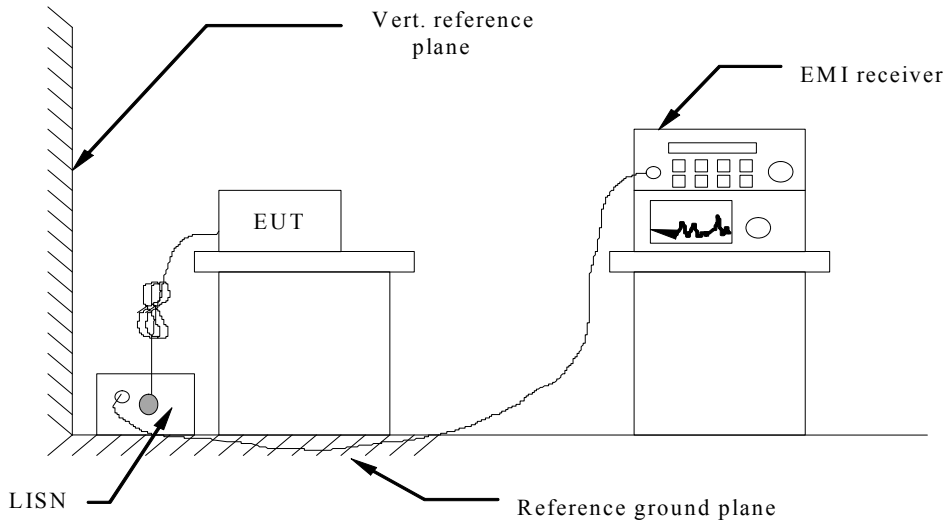
Item	Equipment	Manufacturer	Model No.	Serial No.	Firmware versions	Last Cal.
1.	L.I.S.N.	R&S	ENV216	100093	/	2026/02/28
2.	Three-phase artificial power network	Schwarzback Mess	NNLK8129	8129178	/	2026/02/28
3.	Receiver	R&S	ESCI	100492	V3.0-10-2	2026/02/28
4.	Receiver	R&S	ESPI	101202	V3.0-10-2	2026/02/28
5.	Spectrum analyzer	Agilent	9020A	/	A14.16	2026/02/28
6.	Bilong Antenna	Sunol Sciences	JB3	A121206	/	2025/11/22
7.	Horn antenna	HF Antenna	HF Antenna	/	/	2026/03/08
8.	Loop antenna	Beijing Daze	ZN30900B	/	/	2026/03/28
10.	Wireless Communication Test Set	R&S	CMW500	155873	V3.7.40	2026/02/28
11.	Preamplifier	Millitech	KA-LNA18-40-01	18050001	/	2026/02/28
12.	High gain antenna	A-INFOMW	LB-180400KF	J211060273	/	2026/02/28
13.	Spectrum analyzer	R&S	FSP	100019	V4.40 SP2	2026/02/28
14.	Pre-amplifier	lenscend	TAP011840	AP21C806124	/	2026/02/28
15.	RF Cable(below1GHz)	Times	9kHz-1GHz	/	/	2026/02/28
16.	RF Cable(above1GHz)	Times	1-18G	/	/	2026/02/28
17.	RF Cable(9KHz-40GHz)	Tonscend	170660	/	/	2026/02/28
18.	vector Signal Generator	ROHDE & SCHWARZ	SMBV100B		/	2026/02/28
19.	Signal Generator	Agilent	5181A		/	2026/02/28
20.	splitter	Mini-Circuits	ZAP-50W	NN256400424	/	2026/02/28
21.	Humid & Temp Programmable Tester	Haida	HD-2257	110807201	/	2026/02/28
22.	X-series USB Peak and Average Power Sensor	Agilent	U2021XA	MY54080019	/	2026/02/28
23.	4 Ch.Simultaneous Sampling 14 Bits 2 MS/s	Agilent	U2531A	TW54063507	/	2026/02/28
24.	splitter	Mini-Circuits	ZAP-50W	NN256400424	/	2026/02/28
25.	Power meter	R&S	NRVS	100444	/	2026/02/28
26.	Testing software	Fala	EZ-EMC(CE)	/	Ver.FA-03A1	/
27.	Testing software	Fala	EZ-EMC(RE)	/	Ver.FA-03A3	/
27.	Testing software	WCS	WCS	/	Ver.23.06.1401	/

Note: The Cal.Interval was one year.

5. TEST CONDITIONS AND RESULTS

5.1. AC Power Conducted Emission

TEST CONFIGURATION



TEST PROCEDURE

- 1 The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.1 meters is used and is placed on the ground plane as per ANSIC63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024.
- 2 Support equipment, if needed, was placed as per ANSIC63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
- 3 All I/O cables were positioned to simulate typical actual usage as per ANSIC63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
- 4 The EUT received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5 All support equipments received AC power from a second LISN, if any.
- 6 The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7 Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
- 8 During the above scans, the emissions were maximized by cable manipulation.

AC Power Conducted Emission Limit

For unintentional device, according to RSS Gen 8.8 and § 15.207(a) Line Conducted Emission Limits is as following:

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 RESULTS

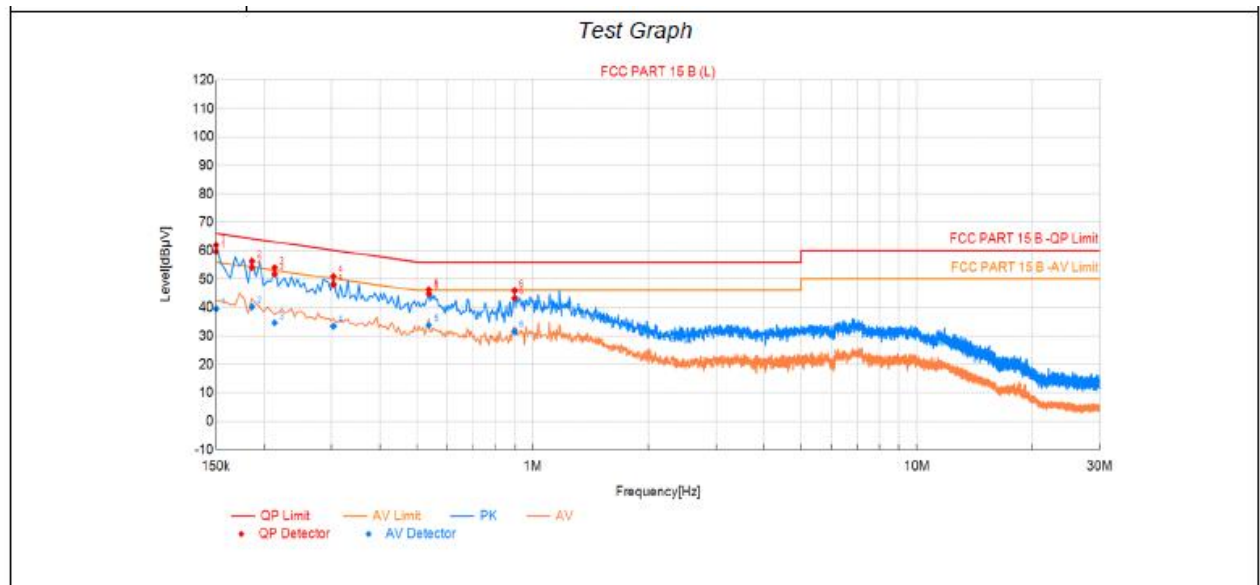
Pass---The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.
(Test mode: Full load mode)

Power Supply

AC 120V/60Hz

Line

L

**Final Data List**

NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.15	9.60	50.11	59.71	66.00	6.29	29.97	39.57	56.00	16.43	PASS
2	0.186	9.60	44.49	54.09	64.21	10.12	30.68	40.28	54.21	13.93	PASS
3	0.213	9.60	42.21	51.81	63.09	11.28	25.03	34.63	53.09	18.46	PASS
4	0.303	9.59	38.55	48.14	60.16	12.02	23.85	33.44	50.16	16.72	PASS
5	0.537	9.59	35.27	44.86	56.00	11.14	24.23	33.82	46.00	12.18	PASS
6	0.897	9.60	33.70	43.30	56.00	12.70	21.98	31.58	46.00	14.42	PASS

Note: (1)Level=Reading+Factor

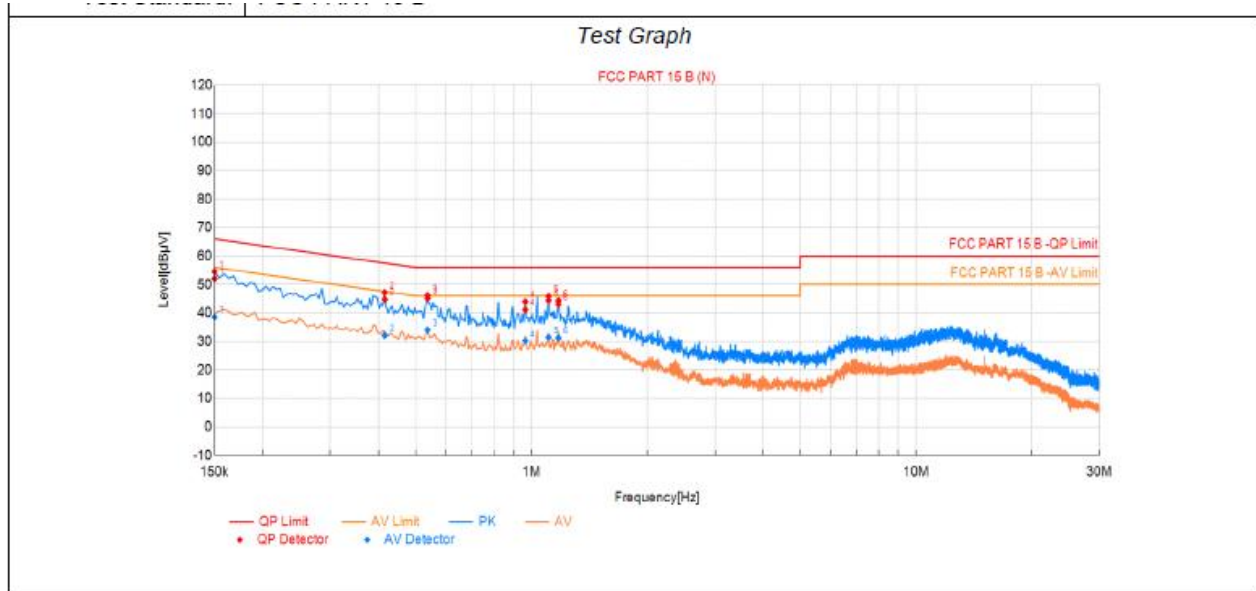
(2)Margin=Limit-Level

Power Supply

AC 120V/60Hz

Line

N

**Final Data List**

NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.15	9.60	42.52	52.12	66.00	13.88	29.00	38.60	56.00	17.40	PASS
2	0.4155	9.59	35.19	44.78	57.54	12.76	22.62	32.21	47.54	15.33	PASS
3	0.537	9.59	35.56	45.15	56.00	10.85	24.51	34.10	46.00	11.90	PASS
4	0.9645	9.60	31.56	41.16	56.00	14.84	20.65	30.25	46.00	15.75	PASS
5	1.1085	9.60	34.86	44.46	56.00	11.54	21.92	31.52	46.00	14.48	PASS
6	1.176	9.60	33.48	43.08	56.00	12.92	21.71	31.31	46.00	14.69	PASS

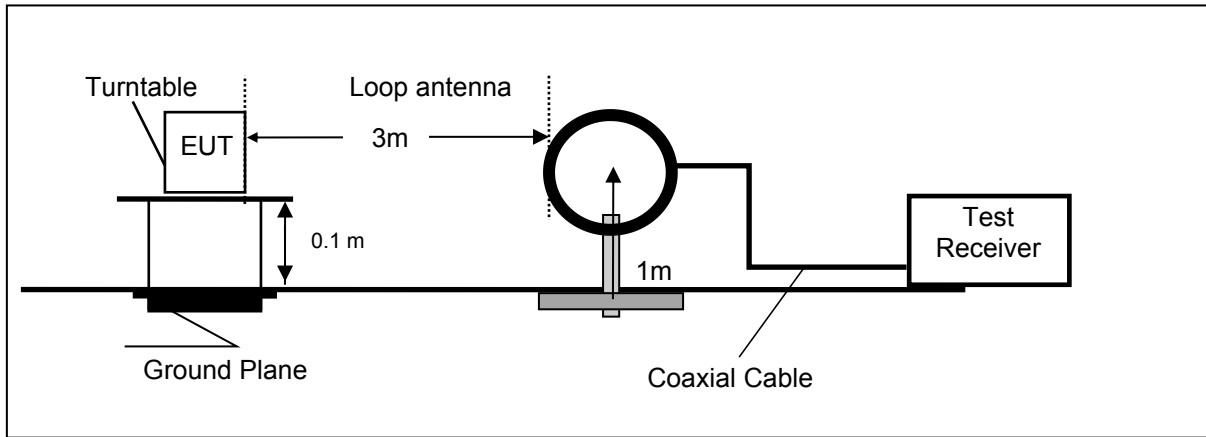
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

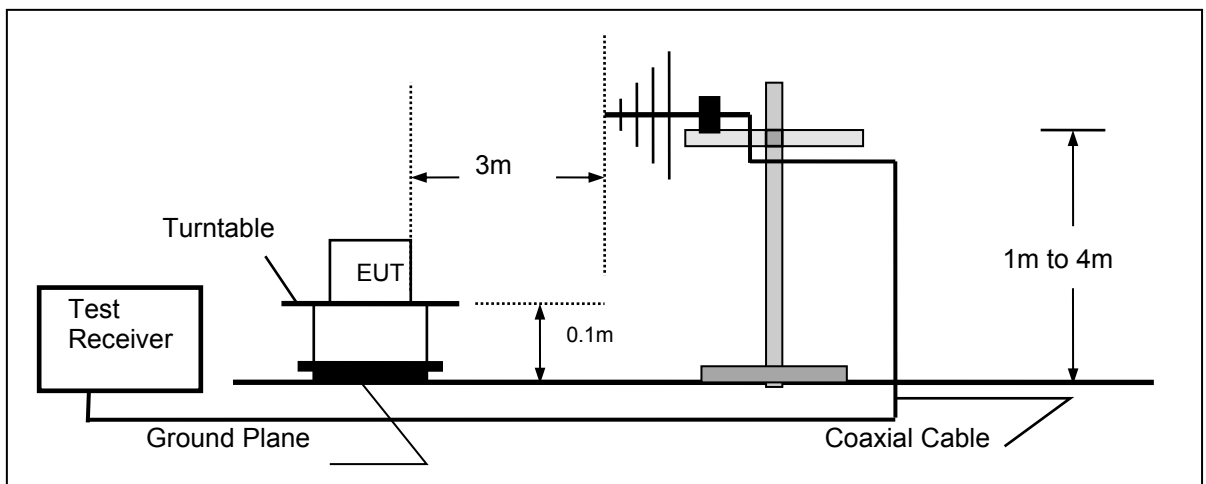
5.2. Radiated Emission

TEST CONFIGURATION

Frequency range 9 KHz – 30MHz



Frequency range 30MHz – 1000MHz



TEST PROCEDURE

1. The EUT was placed on a turn table which is 0.1m above ground plane when testing frequency range 9 KHz – 1GHz. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0° to 360° to acquire the highest emissions from EUT.
2. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
3. Repeat above procedures until all frequency measurements have been completed.
4. The distance between test antenna and EUT as following table states:

Test Frequency range	Test Antenna Type	Test Distance
9KHz-30MHz	Active Loop Antenna	3
30MHz-1GHz	Ultra-Broadband Antenna	3
1GHz-18GHz	Double Ridged Horn Antenna	3
18GHz-25GHz	Horn Antenna	1

5. Setting test receiver/spectrum as following table states:

Test Frequency range	Test Receiver/Spectrum Setting	Detector
9KHz-150KHz	RBW=200Hz/VBW=3KHz, Sweep time=Auto	QP
150KHz-30MHz	RBW=9KHz/VBW=100KHz, Sweep time=Auto	QP
30MHz-1GHz	RBW=120KHz/VBW=1000KHz, Sweep time=Auto	QP
1GHz-40GHz	Peak Value: RBW=1MHz/VBW=3MHz, Sweep time=Auto Average Value: RBW=1MHz/VBW=10Hz, Sweep time=Auto	Peak

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:

$$FS = RA + AF + CL - AG$$

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

$$\text{Transd} = AF + CL - AG$$

RADIATION LIMIT

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emission out of authorized band shall not exceed the following table at a 3 meters measurement distance.

In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a)

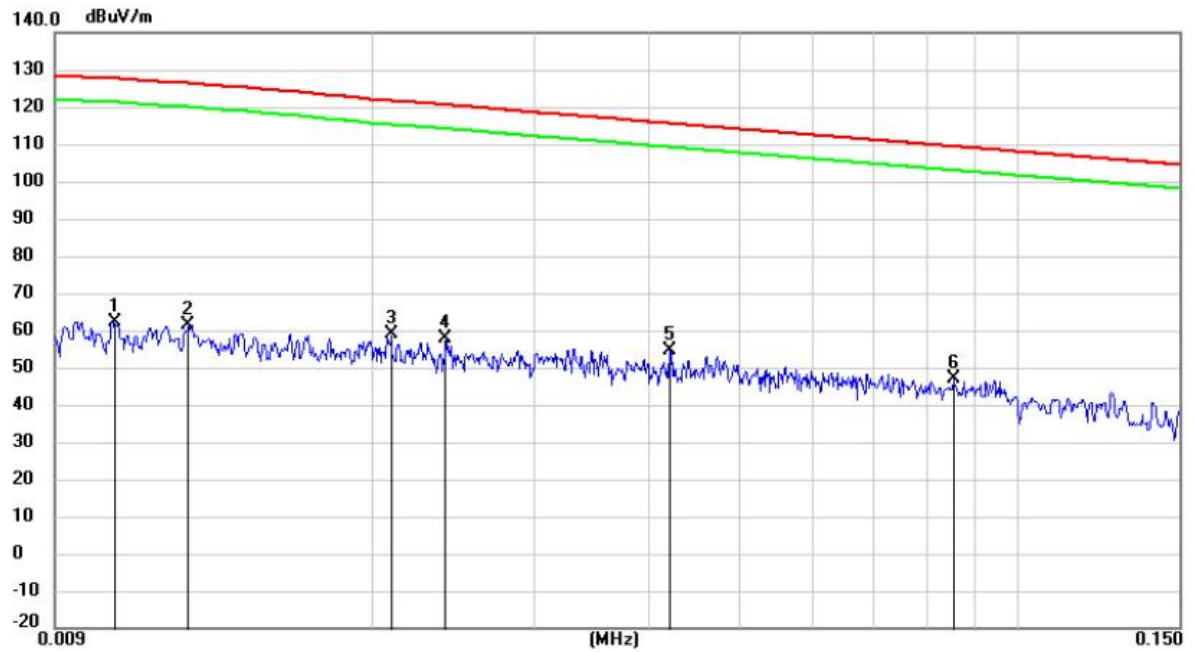
Except when the requirements applicable to a given device state otherwise, emissions from licence-exempt transmitters shall comply with the field strength limits shown in table below. Additionally, the level of any transmitter emission shall not exceed the level of the transmitter's fundamental emission

Unwanted emissions that fall into restricted bands shall comply with the limits specified in RSS-Gen; and Unwanted emissions that do not fall within the restricted frequency bands shall comply either with the limits specified in the applicable RSS or with those specified in this RSS-Gen.

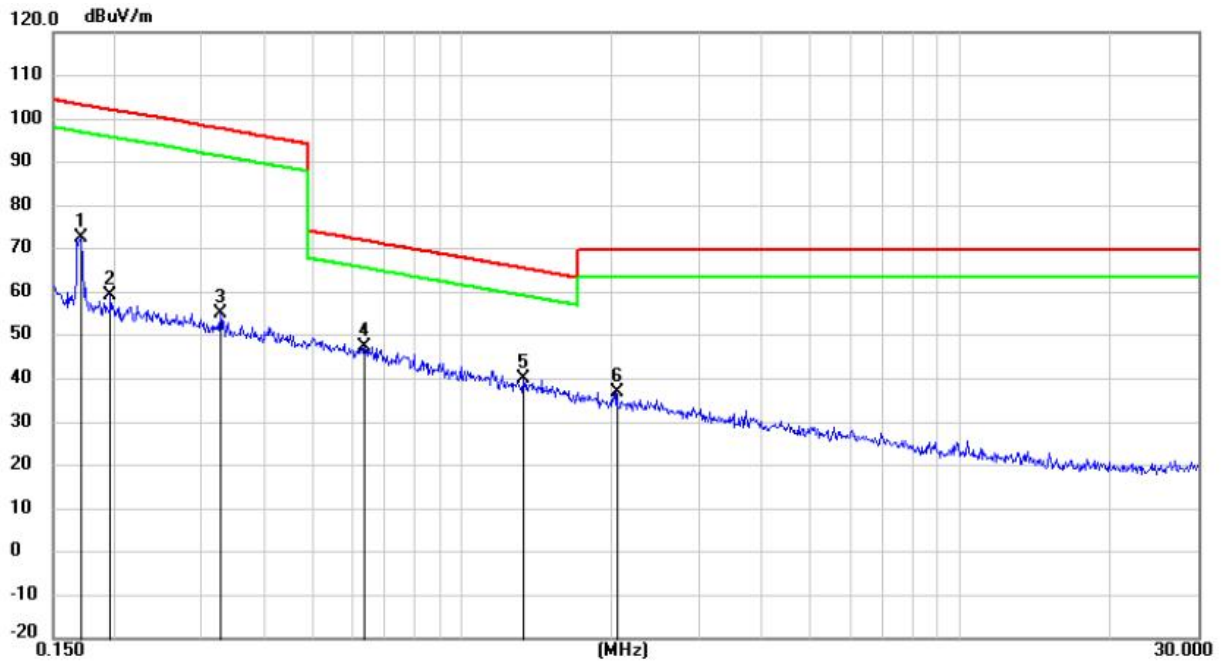
Frequency (MHz)	Distance (Meters)	Radiated (dBµV/m)	Radiated (µV/m)
0.009-0.49	3	$20\log(2400/F(\text{KHz})) + 40\log(300/3)$	$2400/F(\text{KHz})$
0.49-1.705	3	$20\log(24000/F(\text{KHz})) + 40\log(30/3)$	$24000/F(\text{KHz})$
1.705-30	3	$20\log(30) + 40\log(30/3)$	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

Radiated Emissions Below 9K~30MHz

Coaxial

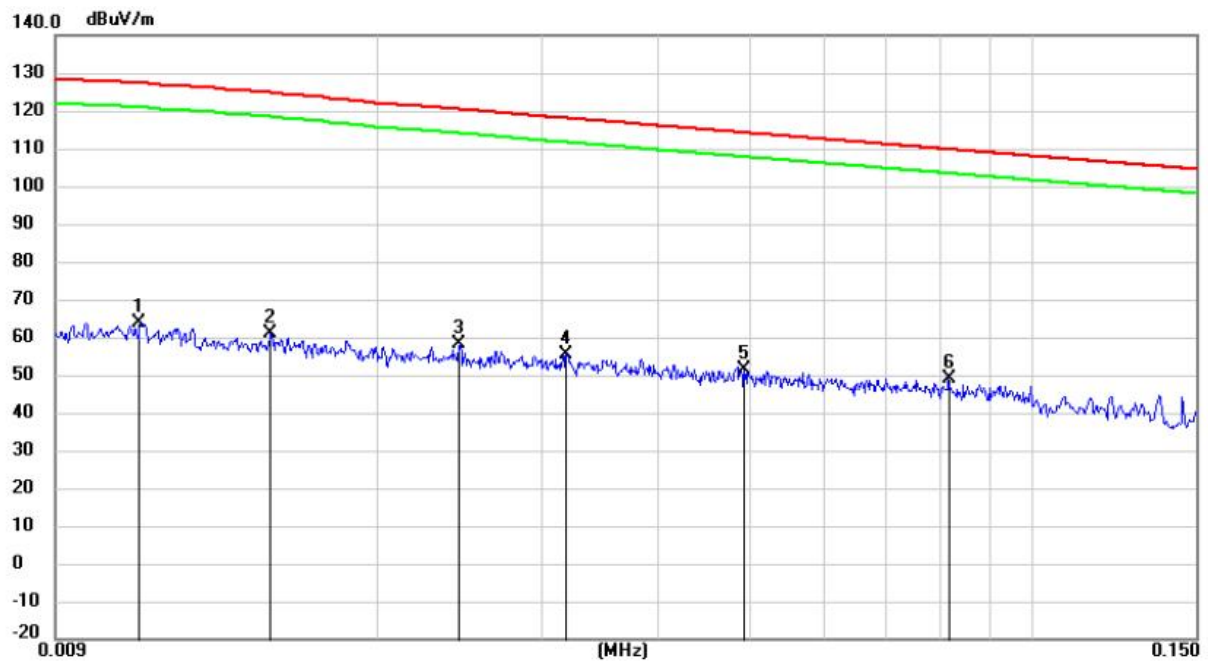


No.	Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB/m)	Measure-Ment (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0104	44.01	18.38	62.39	127.36	-64.97	peak
2	0.0126	43.96	17.42	61.38	126.03	-64.65	peak
3	0.0208	45.02	14.09	59.11	121.30	-62.19	peak
4	0.0240	44.20	13.80	58.00	120.17	-62.17	peak
5 *	0.0420	42.35	12.19	54.54	115.17	-60.63	peak
6	0.0851	36.07	10.90	46.97	109.02	-62.05	peak

Coaxial

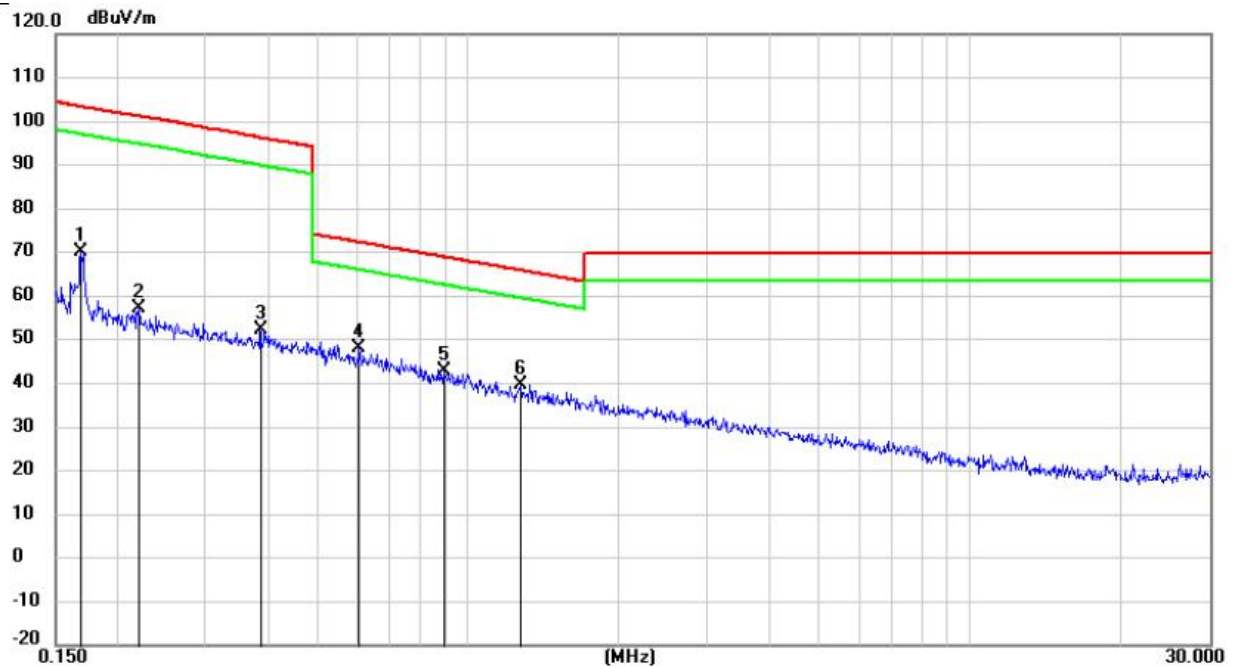
No.	Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB/m)	Measure-Ment (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.1720	61.98	10.67	72.65	102.90	-30.25	peak
2	0.1955	48.48	10.64	59.12	101.78	-42.66	peak
3	0.3251	44.49	10.57	55.06	97.43	-42.37	peak
4 *	0.6338	36.89	10.52	47.41	71.59	-24.18	peak
5	1.3238	29.37	10.58	39.95	65.18	-25.23	peak
6	2.0441	26.30	10.63	36.93	69.54	-32.61	peak

coplanar



No.	Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB/m)	Measure-Ment (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0111	45.56	18.08	63.64	126.94	-63.30	peak
2	0.0153	44.66	16.23	60.89	124.41	-63.52	peak
3	0.0244	44.39	13.76	58.15	120.03	-61.88	peak
4	0.0317	42.36	13.11	55.47	117.64	-62.17	peak
5	0.0492	39.90	11.54	51.44	113.78	-62.34	peak
6 *	0.0817	37.88	10.93	48.81	109.37	-60.56	peak

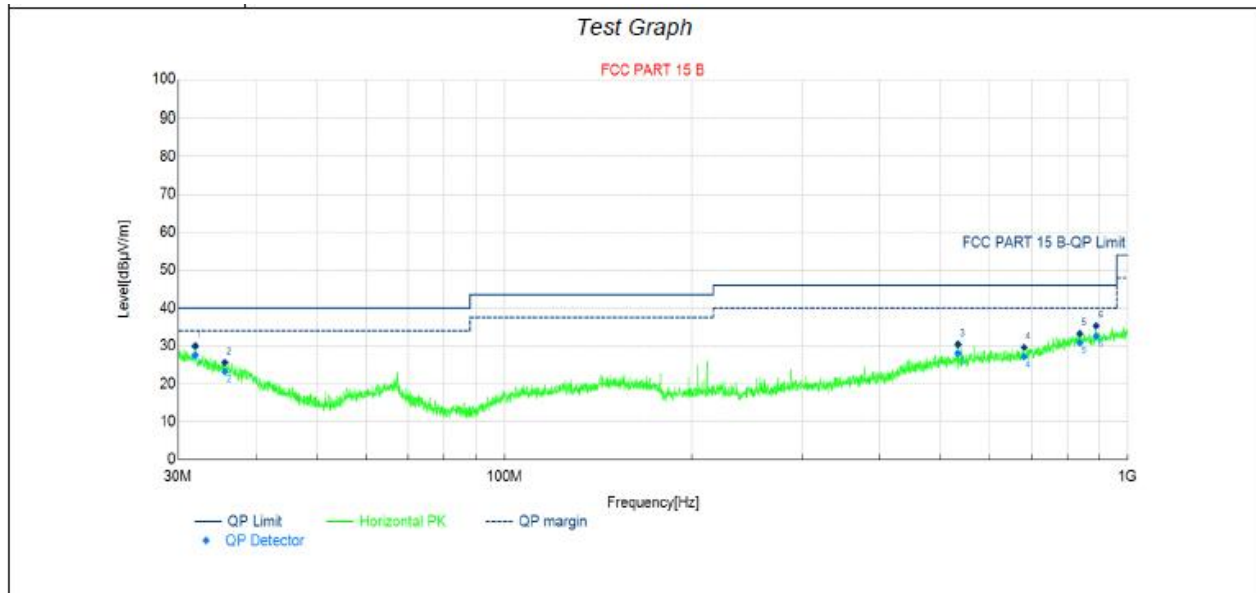
coplanar



No.	Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB/m)	Measure-Ment (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.1685	59.38	10.67	70.05	103.08	-33.03	peak
2	0.2197	46.48	10.62	57.10	100.89	-43.79	peak
3	0.3852	41.67	10.55	52.22	95.93	-43.71	peak
4 *	0.6043	37.41	10.52	47.93	71.98	-24.05	peak
5	0.8897	32.14	10.54	42.68	68.63	-25.95	peak
6	1.2687	29.02	10.57	39.59	65.55	-25.96	peak

For 30MHz-1GHz

(Test mode: Full load mode)

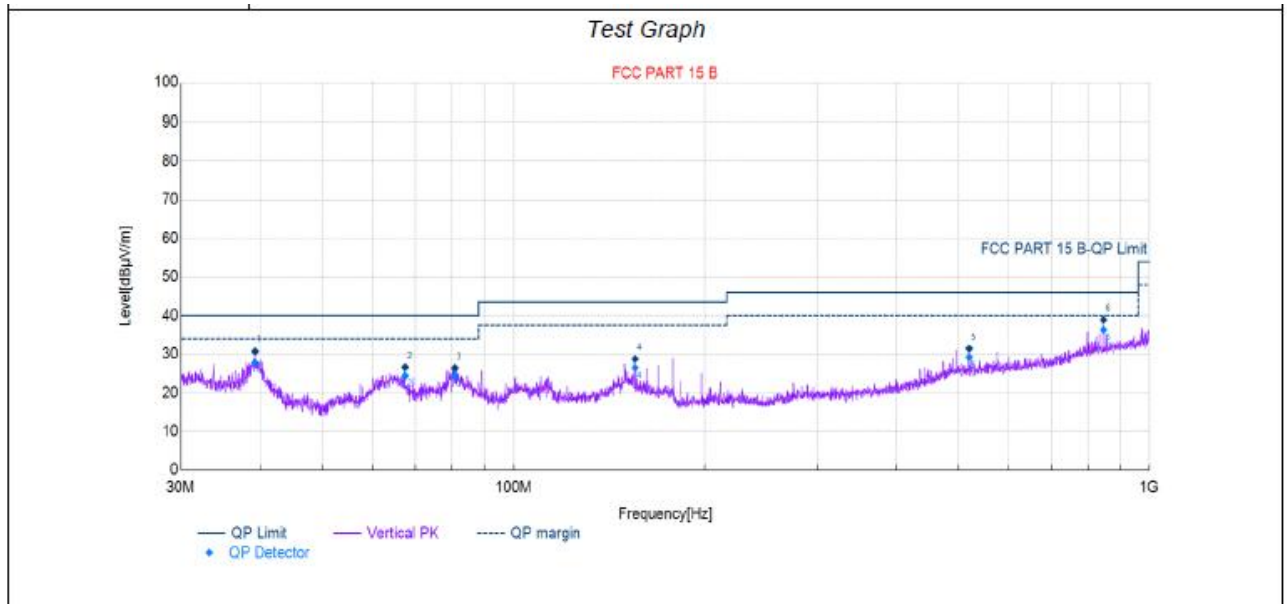
Horizontal**Final Data List**

NO.	Frequency [MHz]	Factor [dB/m]	QP Reading [dBμV/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Pol	Verdict
1	31.8981	24.23	3.35	27.58	40.00	12.42	Horizontal	PASS
2	35.5912	21.56	1.67	23.23	40.00	16.77	Horizontal	PASS
3	533.9159	23.07	4.96	28.03	46.00	17.97	Horizontal	PASS
4	681.2185	24.86	2.35	27.21	46.00	18.79	Horizontal	PASS
5	837.0150	28.31	2.55	30.86	46.00	15.14	Horizontal	PASS
6	889.1936	28.88	3.71	32.59	46.00	13.41	Horizontal	PASS

Note: (1) Level=Reading+Factor

(2) Margin=Limit-Level

Vertical

**Final Data List**

NO.	Frequency [MHz]	Factor [dB/m]	QP Reading [dBμV/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Pol	Verdict
1	39.1933	14.40	13.36	27.76	40.00	12.24	Vertical	PASS
2	67.4837	9.12	15.28	24.40	40.00	15.60	Vertical	PASS
3	80.7657	10.08	14.12	24.20	40.00	15.80	Vertical	PASS
4	155.1645	17.49	9.04	26.53	43.50	16.97	Vertical	PASS
5	520.0608	22.92	6.29	29.21	46.00	16.79	Vertical	PASS
6	845.8643	28.40	7.96	36.36	46.00	9.64	Vertical	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

5.3. 20dB Bandwidth

TEST CONFIGURATION



TEST PROCEDURE

The 20dB bandwidth and 99% bandwidth is measured with a spectrum analyzer connected via a receive antenna placed near the EUT while the EUT is operating in transmission mode.

The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

The occupied bandwidth (OBW), that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission

TEST RESULTS

Test Frequency (KHz)	20dB bandwidth (KHz)	Result
124.3	2.726	Pass

Test plot as follows:



5.4. Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR 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.

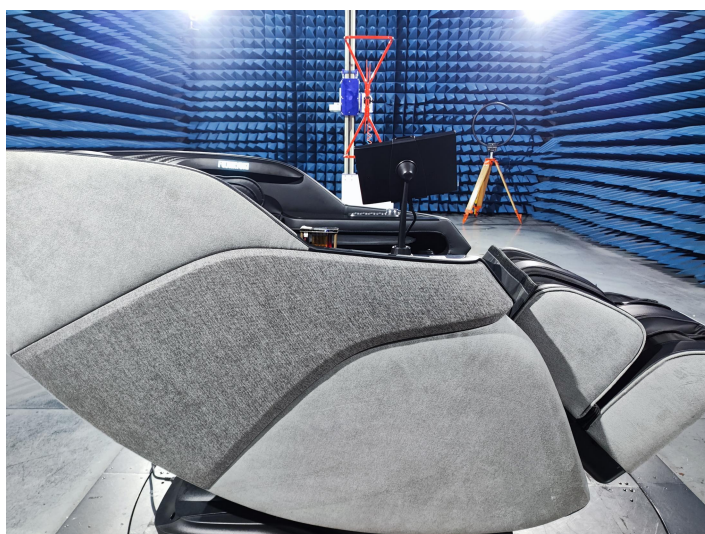
Antenna Connected Construction

Device is equipped with permanent attached antenna, which isn't displaced by other antenna. Therefore, the equipment complies with the antenna requirement of Section 15.203 and RSS-Gen Section 6.8.

6. Test Setup Photos of the EUT



9K-30MHz



30MHz-1G

7. External and Internal Photos of the EUT

See related photo report.

.....**End of Report**.....