

CFR 47 FCC PART 15 SUBPART C

TEST REPORT

For

Power Bank

MODEL NUMBER: QM10010PQ

REPORT NUMBER: E04A26031423F00601

ISSUE DATE: June 11, 2026

FCC ID: 2AU4P-QM10010PQS

Prepared for

Tennrich International Corp.

**1-3, Alley 5, Lane 305, Sec 1, Shin Nan Road, Lu Chu District, Taoyuan City,
Taiwan 338**

Prepared by

Guangdong Global Testing Technology Co., Ltd.

**Room 101-105, 203-210, Building 1, No.2, Keji 8 Road, Songshan Lake Park,
Dongguan city, Guangdong, People's Republic of China, 523808**

**This report is based on a single evaluation of the submitted sample(s) of the above
mentioned product, it does not imply an assessment of the production of the products.**

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	June 11, 2026	Initial Issue	

Summary of Test Results

Test Item	Limit/Requirement	Result
Antenna Requirement	FCC Part 15.203	Pass
AC Power Line Conducted Emission	FCC Part 15.207	Pass
20dB Bandwidth	FCC Part 15.215	Pass
Radiated Emission	FCC Part 15.205/15.209	Pass

Note:

1. N/A: In this whole report not applicable.

*This test report is only published to and used by the applicant, and it is not for evidence purpose in China.

*The measurement result for the sample received is <Pass> according to <CFR 47 FCC PART 15 SUBPART C> when <Accuracy Method> decision rule is applied.

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Tennrich International Corp.
Address: 1-3, Alley 5, Lane 305, Sec 1, Shin Nan Road, Lu Chu District, Taoyuan City, Taiwan 338

Manufacturer Information

Company Name: Shrinton Electron Technology Ltd.
Address: Room 301, Building 1, No. 413 Qingxi Science and Technology Road, Qingxi Town, Dongguan City, Guangdong Province

EUT Information

Product Description: Power Bank
Model: QM10010PQ
Series Model: /
Brand: Energizer
Sample Received Date: May 08 2026
Sample Status: Normal
Sample ID: A26031423 001
Date of Tested: May 08, 2026 to June 11, 2026

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 15 SUBPART C	Pass

Prepared By:

Jasie

Jasie Xie
Project Engineer

Approved By:

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Laboratory Leader

Checked By:

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Alan He

Laboratory Leader



2. TEST METHODOLOGY

All tests were performed in accordance with the standard CFR 47 FCC PART 15
SUBPART C

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 6947.01) Guangdong Global Testing Technology Co., Ltd. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1343) Guangdong Global Testing Technology Co., Ltd. has been recognized to perform compliance testing on equipment subject to Supplier's Declaration of Conformity (SDoC) and Certification rules ISED (Company No.: 30714) Guangdong Global Testing Technology Co., Ltd. has been registered and fully described in a report filed with ISED. The Company Number is 30714 and the test lab Conformity Assessment Body Identifier (CABID) is CN0148.
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Note: All tests measurement facilities use to collect the measurement data are located at
Room 101-105, 203-210, Building 1, No.2, Keji 8 Road, Songshan Lake Park, Dongguan
city, Guangdong, People's Republic of China, 523808

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Items	k	Uncertainty
20dB Emission Bandwidth	2	± 9.2 PPM
Temperature	2	$\pm 0.5^{\circ}\text{C}$
Humidity	2	$\pm 3\%$
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.		

Test Item	Measurement Frequency Range	K	U(dB)
Conducted emissions from the AC mains power ports (AMN)	150 kHz ~ 30 MHz	2	3.37
Radiated emissions	9 kHz ~ 30 MHz	2	4.16
Radiated emissions	30 MHz ~ 1 GHz	2	3.79
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.			

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name		Power Bank
Model		QM10010PQ
Series Model		/
Model Difference		/
Hardware Version		V1.0
Software Version		V1.0
Ratings		Battery Capacity:10000mAh/38.5Wh (Max.) Rated Capacity: 5V/6100mAh Rated Input: USB-C PD 5V = 3A, 9V = 2A,12V = 1.5A Rated Input: USB-C1 Cable PD 5V = 3A, 9V = 2A, 12V = 1.5A Rated Output 1: USB-C PD 5V = 3A, 9V = 2.22A, 10V = 2.25A, 12V = 1.67A Rated Output 2: USB-C1 Cable PD 5V = 3A, 9V = 2.22A, 10V = 2.25A, 12V = 1.67A Rated Output3: USB-C2 Cable 5V = 2A Wireless Output: 2W/5W/7.5W/10W/15W Total Output: 22.5W(Max.)
Power Supply	Battery	DC 3.85V, 10000mAh, 38.5Wh
Operation Mode		Wireless Charging
Operating Frequency		111-205KHz for Phone charging 300-360KHz for Watch charging
Wireless Charging Power		5W/7.5W/10W/15W for Phone charging 2W for Watch charging
Modulation Technique		ASK
Antenna Type		Coil Antenna

5.2. TEST MODE

Test Mode	Description
M01	The EUT charges 15W load (Phone)
M02	The EUT charges 10W load (Phone)
M03	The EUT charges 7.5W load (Phone)
M04	The EUT charges 5W load (Phone)
M05	The EUT charges 2W load (Watch)

5.3. SUPPORT UNITS FOR SYSTEM TEST

The following support units or accessories were used to form a representative test configuration during the tests.

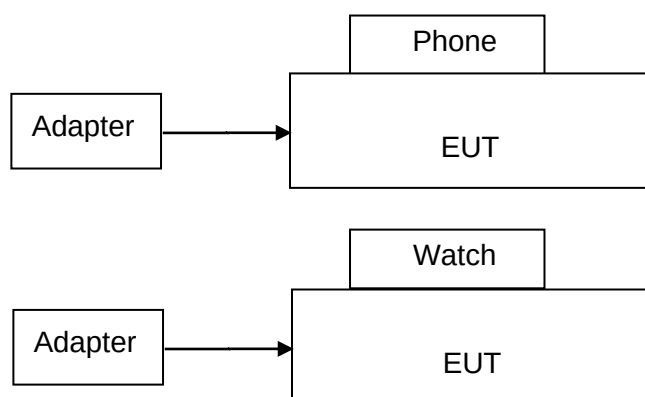
No.	Equipment	Manufacturer	Model No.	Serial No.	Note
1	Adapter	Xiaomi	MDY-11-EX	N/A	GTG Support
2	Phone	Xiao Mi	Mi 10	N/A	GTG Support
3	Phone	Apple Inc	A2404	N/A	GTG Support
4	Phone	SAMSUNG	Samsung Galaxy S9	N/A	GTG Support
5	Cement Resistor	N/A	N/A	N/A	GTG Support
6	Watch	Apple	A1859	N/A	GTG Support

The following cables were used to form a representative test configuration during the tests.

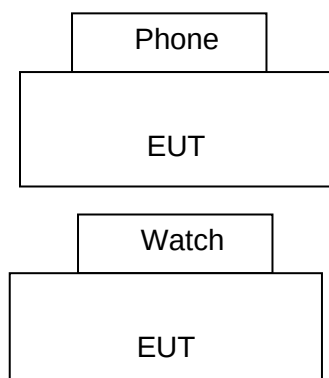
Item	Type of cable	Shielded Type	Ferrite Core	Length
C-1	USB cable	Shielded	without ferrite	1.0 m

5.4. SETUP DIAGRAM

AC conducted emission:



Radiated Emission:



6. MEASURING EQUIPMENT AND SOFTWARE USED

Test Equipment of Radiated emissions below 1GHz					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
3m Semi-anechoic Chamber	ETS	9m*6m*6m	Q2146	2025/08/23	2026/08/22
EMI Test Receiver	Rohde & Schwarz	ESCI3	101409	2025/08/23	2026/08/22
Spectrum Analyzer	KEYSIGHT	N9020A	MY51283932	2025/08/25	2026/08/24
Spectrum Analyzer	Rohde & Schwarz	FSV40	101413	2025/08/25	2026/08/24
Pre-Amplifier	HzEMC	HPA-9K0130	HYP A21001	2025/08/23	2026/08/22
Biconilog Antenna	Schwarzbeck	VULB 9168	01315	2025/09/20	2028/09/19
Biconilog Antenna	ETS	3142E	00243646	2025/02/22	2028/02/21
Loop Antenna	ETS	6502	243668	2025/02/22	2028/02/21
Test Software	Farad	EZ-EMC (Ver.FA-03A2 RE)	N/A	N/A	N/A

Test Equipment of Conducted emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Shielded Room	CHENG YU	8m*5m*4m	N/A	2025/08/23	2026/08/22
EMI Test Receiver	Rohde & Schwarz	ESR3	102647	2025/08/23	2026/08/22
LISN/AMN	Rohde & Schwarz	ENV216	102843	2025/08/23	2026/08/22
NNLK 8129 RC	Schwarzbeck	NNLK 8129 RC	5046	2025/08/23	2026/08/22
Test Software	Farad	EZ-EMC (Ver. EMC-con-3A1 1+)	N/A	N/A	N/A

7. RADIATED TEST RESULTS

LIMITS

Please refer to CFR 47 FCC §15.205 and §15.209.

Radiation Disturbance Test Limit for FCC (Class B) (9 kHz ~ 1 GHz)

Emissions radiated outside of the specified frequency bands above 30 MHz		
Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
		Quasi-Peak
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

FCC Emissions radiated outside of the specified frequency bands below 30 MHz			
Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)	Field Strength Limit (dBuV/m) at 3 m
			Quasi-Peak
0.009-0.490	2400/F(kHz)	300	128.5-93.8
0.490-1.705	24000/F(kHz)	30	73.8-63.0
1.705-30.0	30	30	69.5

FCC Restricted bands of operation refer to FCC §15.205 (a):

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

Note:¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6c

TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyser

RBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
VBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
Sweep	Auto

1. The testing follows the guidelines in ANSI C63.10-2020 clause 6.4.
2. The EUT was arranged to its worst case and then 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. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m height antenna tower.
5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak and average detector mode re-measured. 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 and average detector and reported.

7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.

8. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω . For example, the measurement frequency X KHz resulted in a level of Y dBuV/m, which is equivalent to $Y-51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding 15.209(a) limit.

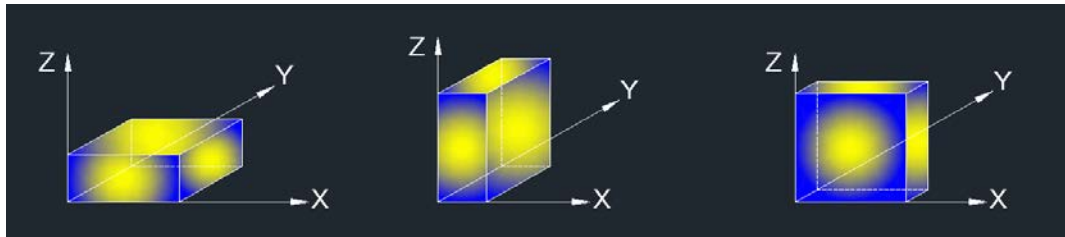
Below 1 GHz and above 30 MHz

The setting of the spectrum analyser

RBW	120 kHz
VBW	300 kHz
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

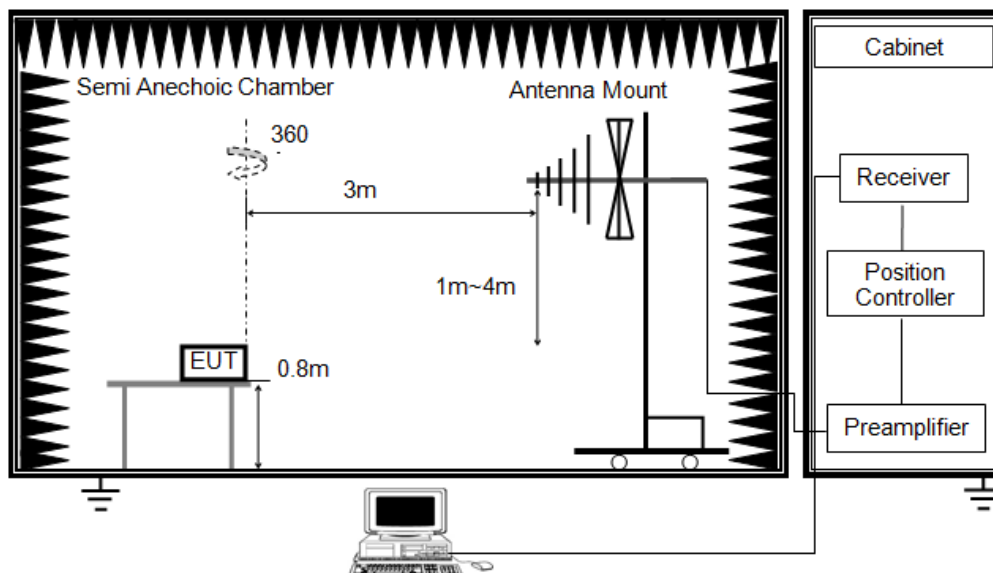
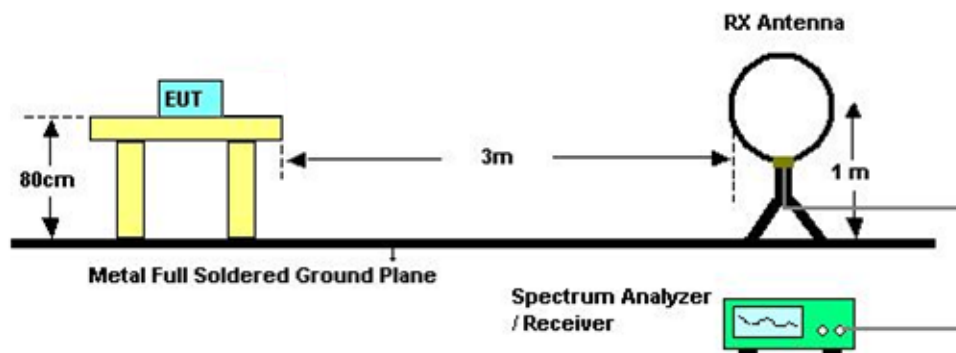
1. The testing follows the guidelines in ANSI C63.10-2020 clause 6.5.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. 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.

X axis, Y axis, Z axis positions:



Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

TEST SETUP



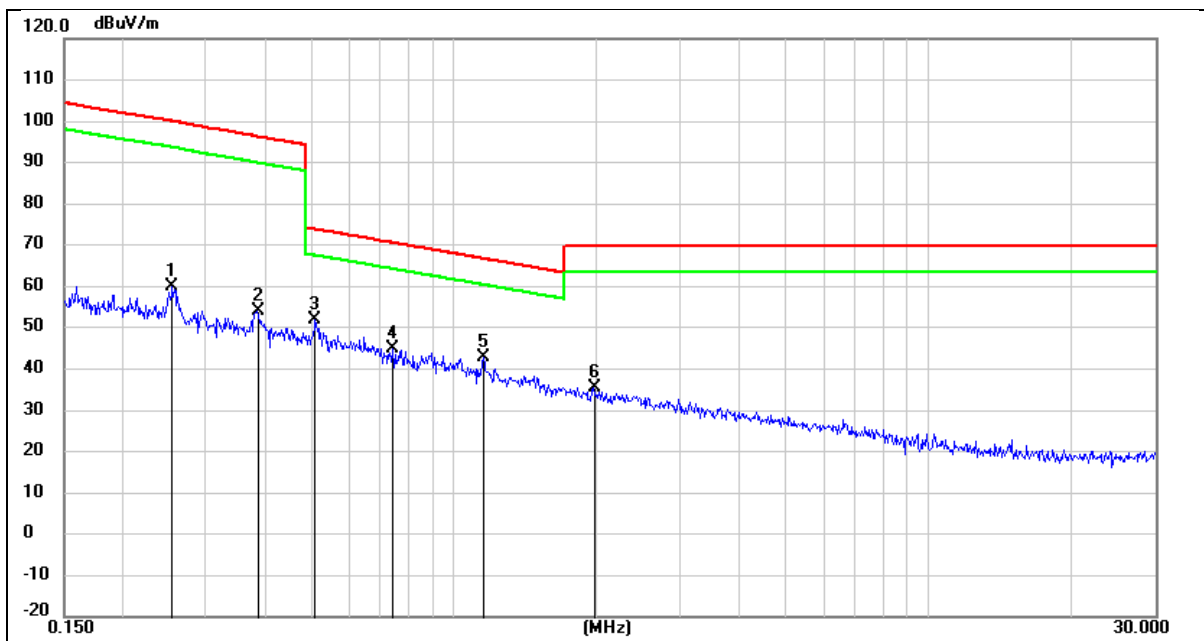
TEST ENVIRONMENT

Temperature	22.5°C	Relative Humidity	50%
Atmosphere Pressure	101kPa		

TEST RESULTS**7.1. RADIATED SPURIOUS EMISSION**

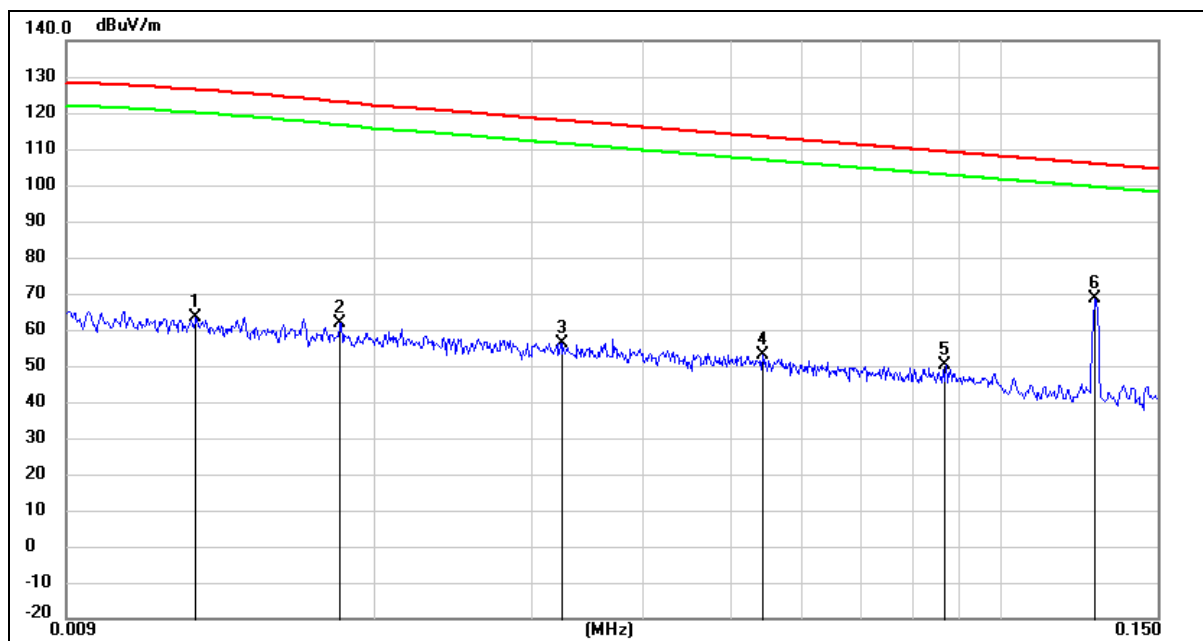
Undesirable radiated Spurious Emission below 30MHz (9KHz to 30MHz)

All modes have been tested and the worst result as bellow:



Mode: M01 Antenna: coaxial

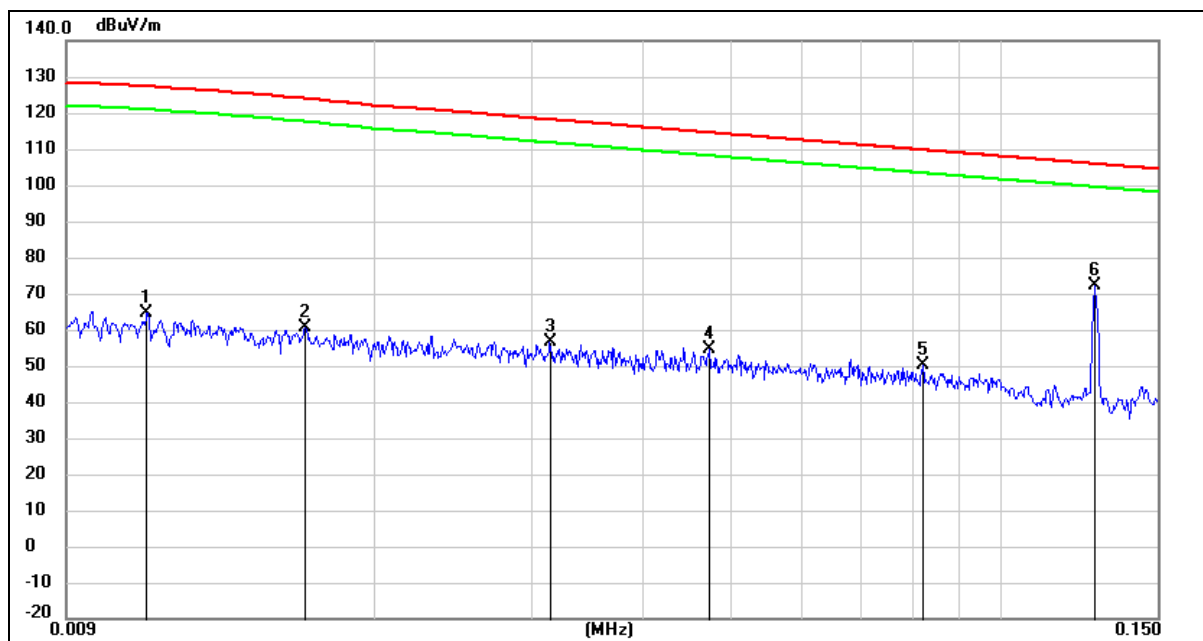
No.	Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB/m)	Measure- ment (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.2548	49.42	10.59	60.01	99.65	-39.64	peak
2	0.3852	43.65	10.55	54.20	95.93	-41.73	peak
3 *	0.5101	41.53	10.51	52.04	73.48	-21.44	peak
4	0.7391	34.56	10.53	45.09	70.25	-25.16	peak
5	1.1473	32.22	10.56	42.78	66.42	-23.64	peak
6	1.9697	24.91	10.63	35.54	69.54	-34.00	peak



Mode: M01

Antenna: coaxial

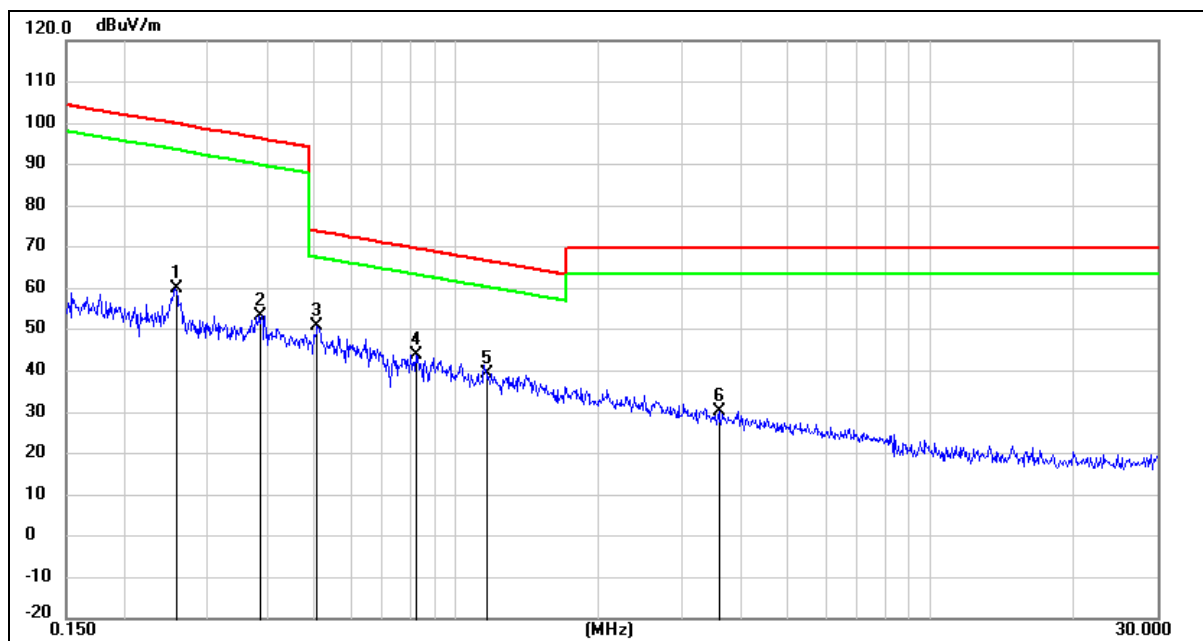
No.	Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB/m)	Measure-Ment (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0126	45.97	17.42	63.39	126.03	-62.64	peak
2	0.0182	46.98	14.95	61.93	122.66	-60.73	peak
3	0.0324	43.24	13.05	56.29	117.46	-61.17	peak
4	0.0542	41.65	11.39	53.04	112.96	-59.92	peak
5	0.0868	39.35	10.89	50.24	108.85	-58.61	peak
6 *	0.1278	57.88	10.72	68.60	105.48	-36.88	peak



Mode: M01

Antenna: coplanar

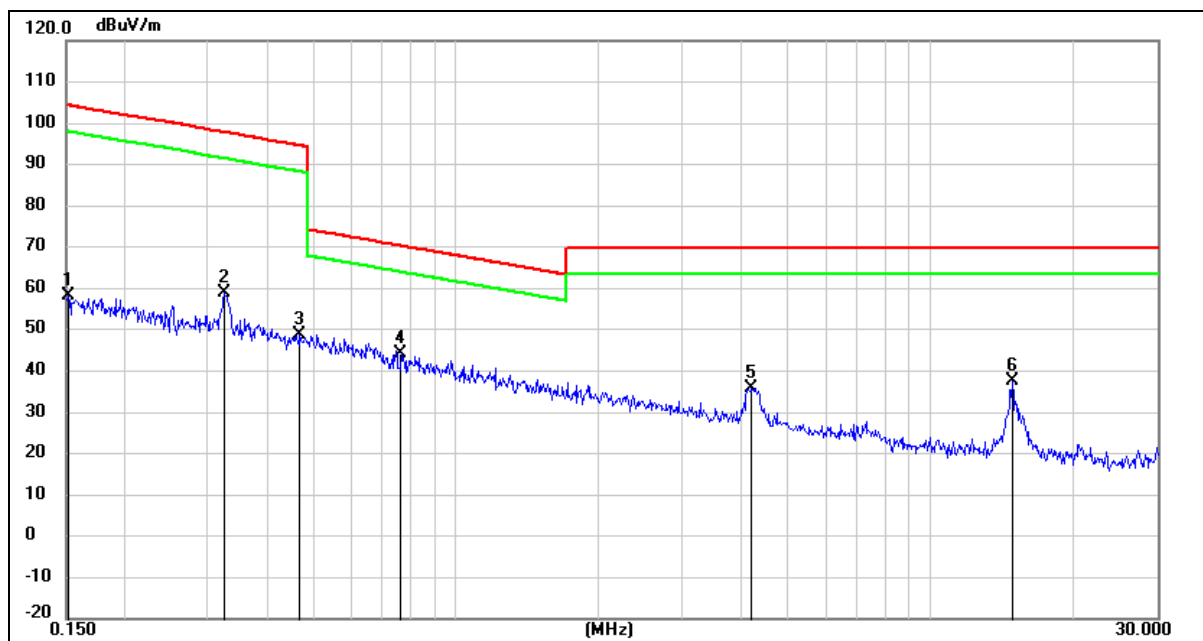
No.	Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB/m)	Measure-Ment (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0111	46.59	18.08	64.67	126.94	-62.27	peak
2	0.0167	44.91	15.61	60.52	123.57	-63.05	peak
3	0.0314	43.44	13.13	56.57	117.71	-61.14	peak
4	0.0472	42.99	11.72	54.71	114.16	-59.45	peak
5	0.0820	39.24	10.92	50.16	109.34	-59.18	peak
6 *	0.1278	61.59	10.72	72.31	105.48	-33.17	peak



Mode: M01

Antenna: coplanar

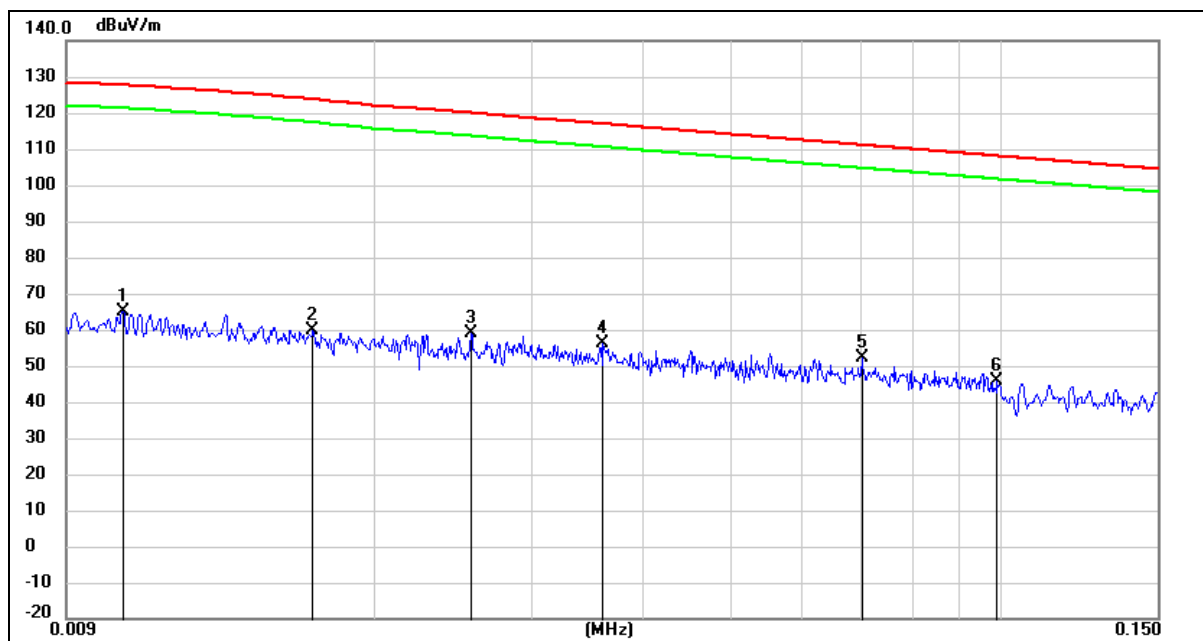
No.	Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB/m)	Measure-Ment (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.2562	49.49	10.59	60.08	99.60	-39.52	peak
2	0.3871	42.75	10.55	53.30	95.88	-42.58	peak
3 *	0.5101	40.38	10.51	50.89	73.48	-22.59	peak
4	0.8217	33.25	10.54	43.79	69.32	-25.53	peak
5	1.1534	28.86	10.56	39.42	66.37	-26.95	peak
6	3.5654	19.41	10.76	30.17	69.54	-39.37	peak



Mode: M04

Antenna: coaxial

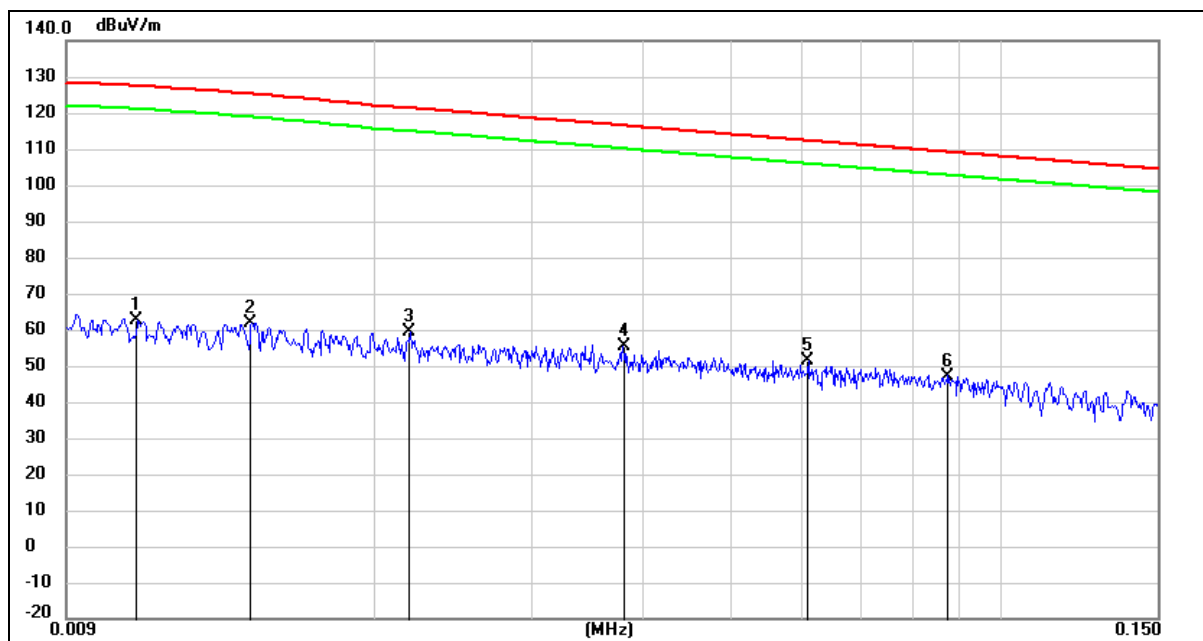
No.	Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB/m)	Measure-Ment (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.1516	47.49	10.68	58.17	103.99	-45.82	peak
2	0.3234	48.48	10.57	59.05	97.48	-38.43	peak
3	0.4661	38.18	10.52	48.70	94.27	-45.57	peak
4 *	0.7630	33.77	10.53	44.30	69.97	-25.67	peak
5	4.1796	25.12	10.80	35.92	69.54	-33.62	peak
6	14.8281	26.78	10.65	37.43	69.54	-32.11	peak



Mode: M04

Antenna: coaxial

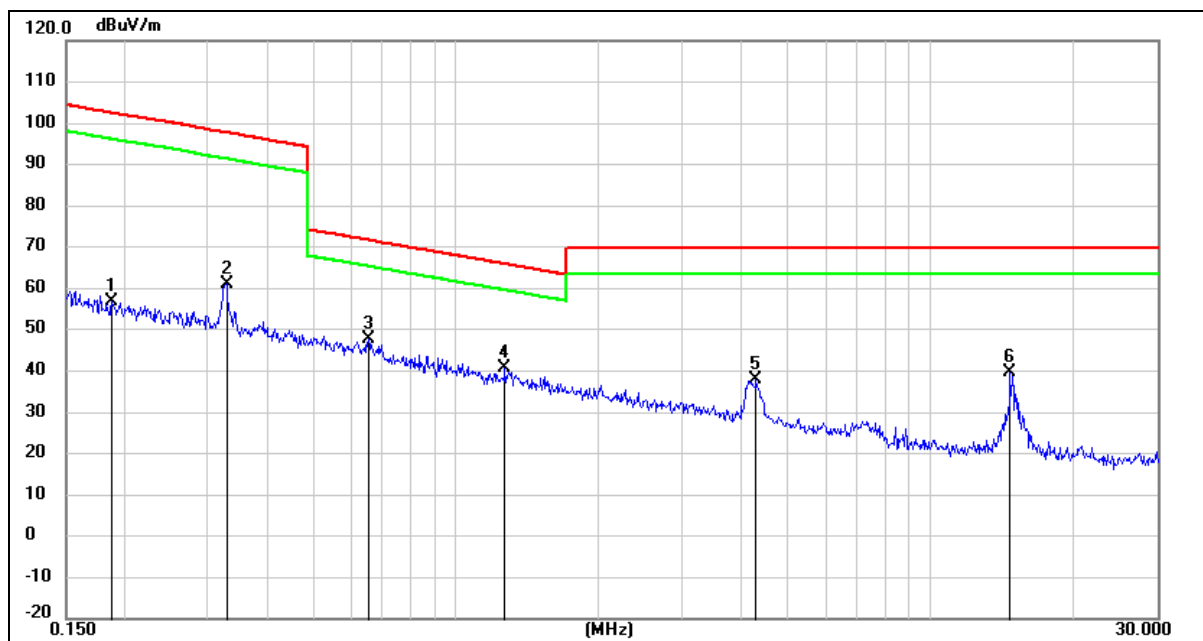
No.	Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB/m)	Measure-Ment (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0104	46.68	18.38	65.06	127.36	-62.30	peak
2	0.0170	44.25	15.48	59.73	123.39	-63.66	peak
3	0.0256	45.29	13.66	58.95	119.61	-60.66	peak
4	0.0360	43.61	12.73	56.34	116.56	-60.22	peak
5 *	0.0702	41.24	11.07	52.31	110.68	-58.37	peak
6	0.0995	34.88	10.78	45.66	107.65	-61.99	peak



Mode: M04

Antenna: coplanar

No.	Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB/m)	Measure-Ment (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0108	44.21	18.21	62.42	127.12	-64.70	peak
2	0.0145	45.17	16.58	61.75	124.89	-63.14	peak
3	0.0218	45.38	14.00	59.38	120.95	-61.57	peak
4	0.0380	42.76	12.55	55.31	116.06	-60.75	peak
5 *	0.0610	40.22	11.25	51.47	111.91	-60.44	peak
6	0.0874	36.32	10.88	47.20	108.79	-61.59	peak



Mode: M04

Antenna: coplanar

No.	Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB/m)	Measure-Ment (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.1884	46.21	10.65	56.86	102.11	-45.25	peak
2	0.3268	50.46	10.57	61.03	97.39	-36.36	peak
3 *	0.6508	37.23	10.52	47.75	71.36	-23.61	peak
4	1.2621	30.10	10.57	40.67	65.59	-24.92	peak
5	4.2692	27.22	10.81	38.03	69.54	-31.51	peak
6	14.6718	29.14	10.66	39.80	69.54	-29.74	peak

Note:

1.Measurement = Reading Level + Correct Factor.

2.Margin= Measurement - Limit.

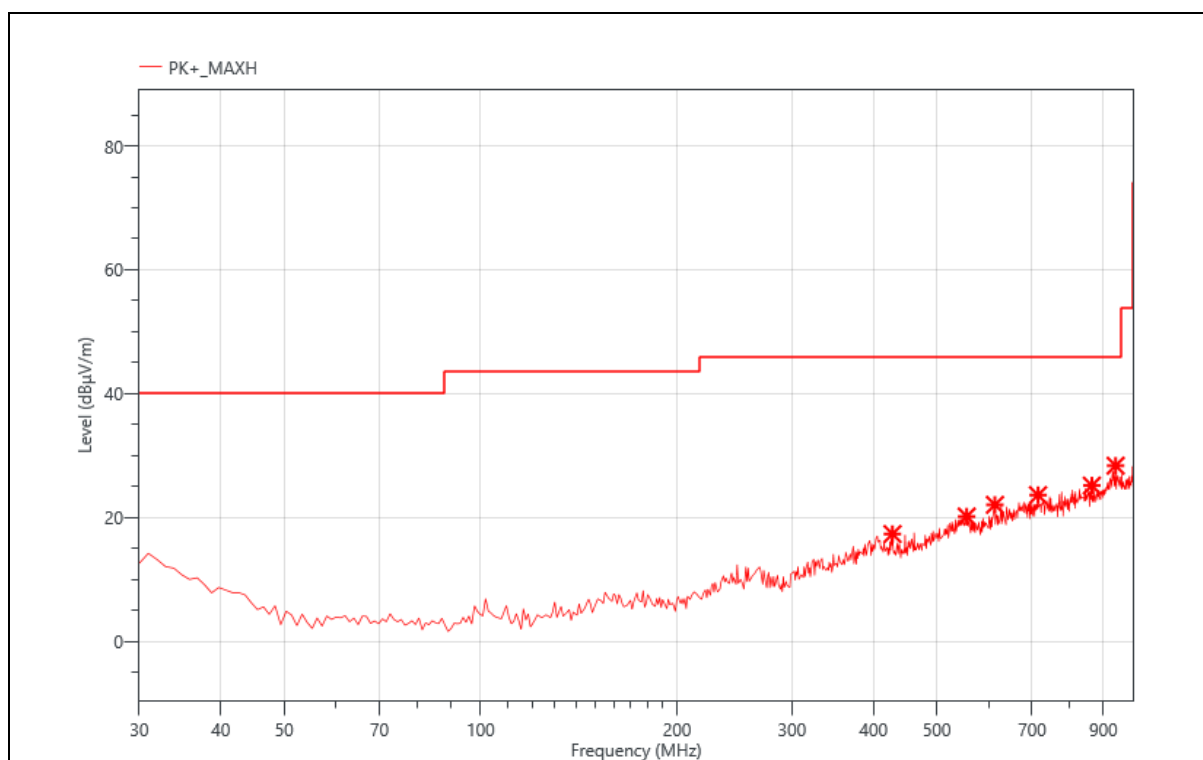
3. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Undesirable radiated Spurious Emission below 1GHz (30MHz to 1GHz)

All modes have been tested and the worst result as bellow:

Test Result

Mode:	M01
Power:	DC 3.85V
TE:	Berny
Date	2026/05/12
T/A/P	24.8°C/51%/101Kpa

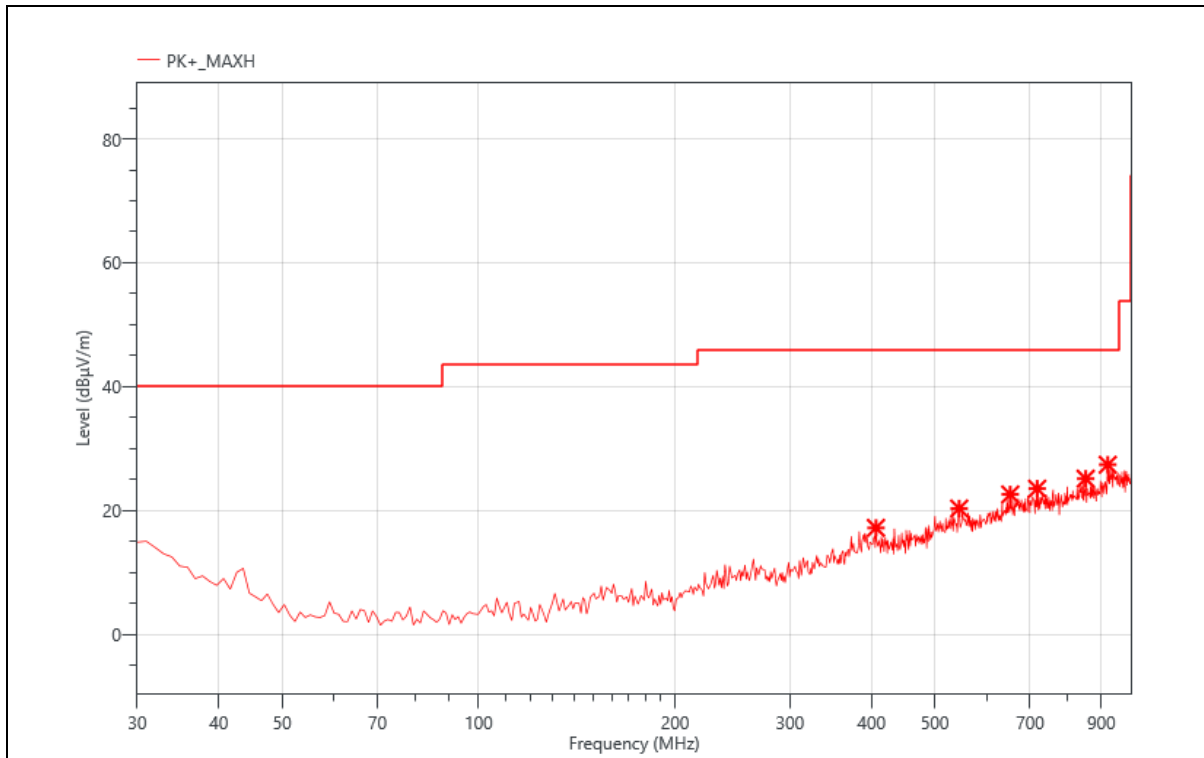


Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	427.700	31.18	-13.85	17.33	46.00	28.67	PK+	H
2	555.740	29.94	-9.78	20.16	46.00	25.84	PK+	H
3	613.940	31.08	-9.03	22.05	46.00	23.95	PK+	H
4	714.820	30.17	-6.55	23.62	46.00	22.38	PK+	H
5	864.200	29.96	-4.8	25.16	46.00	20.84	PK+	H
6	939.860	30.53	-2.16	28.37	46.00	17.63	PK+	H

Note: [Margin=Limit-Meas.]; [Meas.=Reading+Corr.]

Mode:	M01
Power:	DC 3.85V
TE:	Berny
Date	2026/05/12
T/A/P	24.8°C/51%/101Kpa

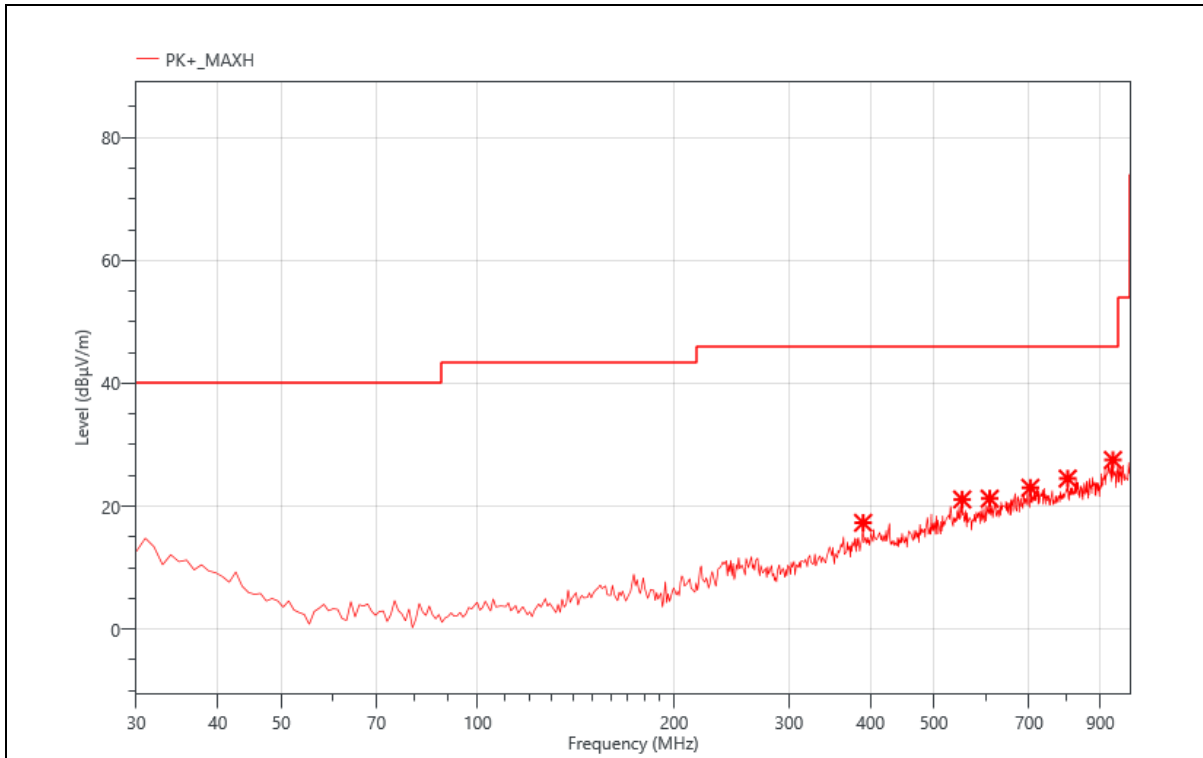


Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.
1	406.360	30.60	-13.41	17.19	46.00	28.81	PK+	V
2	545.070	30.05	-9.72	20.33	46.00	25.67	PK+	V
3	652.740	30.56	-7.96	22.60	46.00	23.40	PK+	V
4	717.730	30.01	-6.49	23.52	46.00	22.48	PK+	V
5	851.590	30.20	-5.06	25.14	46.00	20.86	PK+	V
6	920.460	30.14	-2.75	27.39	46.00	18.61	PK+	V

Note: [Margin=Limit-Meas.]; [Meas.=Reading+Corr.]

Mode:	M04
Power:	DC 3.85V
TE:	Berny
Date	2026/05/12
T/A/P	24.8°C/51%/101Kpa

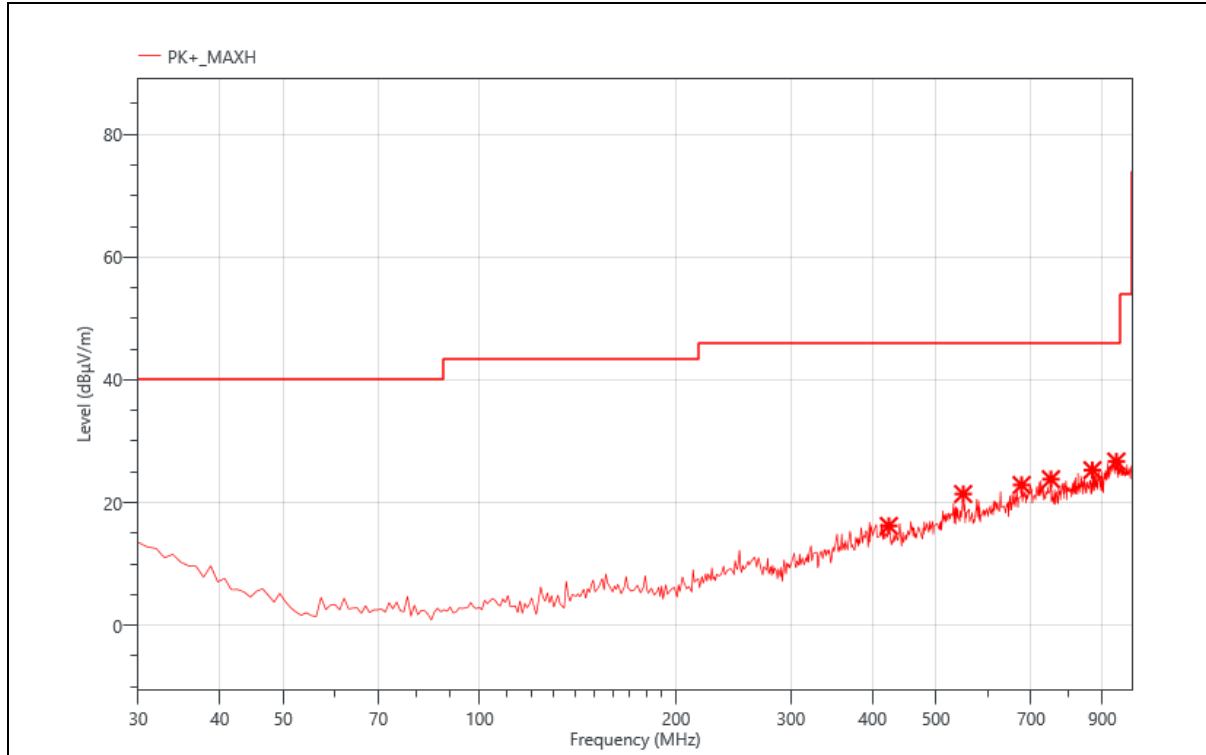


Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	389.870	31.32	-14.01	17.31	46.00	28.69	PK+	V
2	552.830	30.76	-9.65	21.11	46.00	24.89	PK+	V
3	609.090	30.38	-9.14	21.24	46.00	24.76	PK+	V
4	703.180	29.90	-6.89	23.01	46.00	22.99	PK+	V
5	802.120	30.20	-5.69	24.51	46.00	21.49	PK+	V
6	940.830	29.70	-2.17	27.53	46.00	18.47	PK+	V

Note: [Margin=Limit-Meas.]; [Meas.=Reading+Corr.]

Mode:	M04
Power:	DC 3.85V
TE:	Berny
Date	2026/05/12
T/A/P	24.8°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	423.820	29.93	-13.73	16.20	46.00	29.80	PK+	H
2	550.890	30.95	-9.54	21.41	46.00	24.59	PK+	H
3	676.990	30.13	-7.26	22.87	46.00	23.13	PK+	H
4	750.710	30.53	-6.71	23.82	46.00	22.18	PK+	H
5	869.050	30.01	-4.72	25.29	46.00	20.71	PK+	H
6	945.680	28.84	-2.14	26.70	46.00	19.30	PK+	H

Note: [Margin=Limit-Meas.]; [Meas.=Reading+Corr.]

8. AC POWER LINE CONDUCTED EMISSION

LIMITS

Please refer to CFR 47 FCC §15.207 (a)

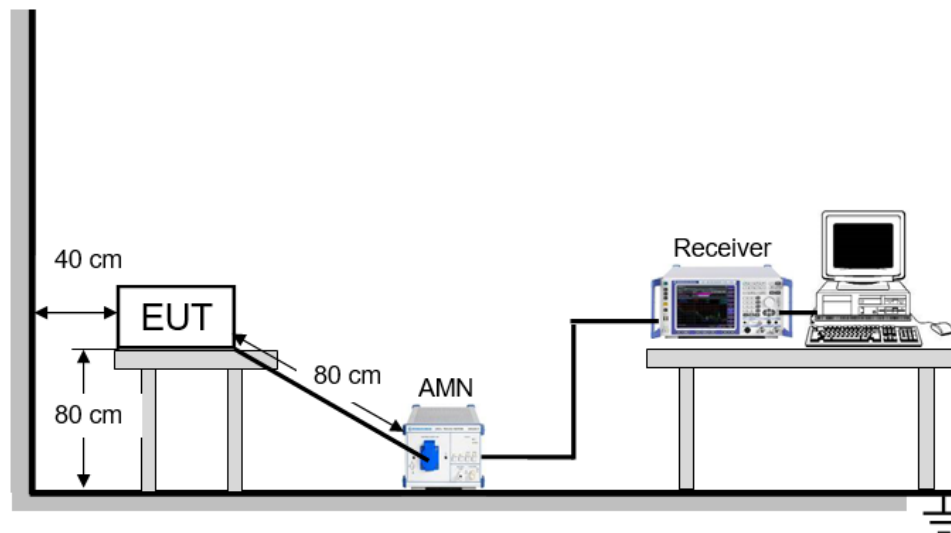
FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

TEST PROCEDURE

The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2020. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

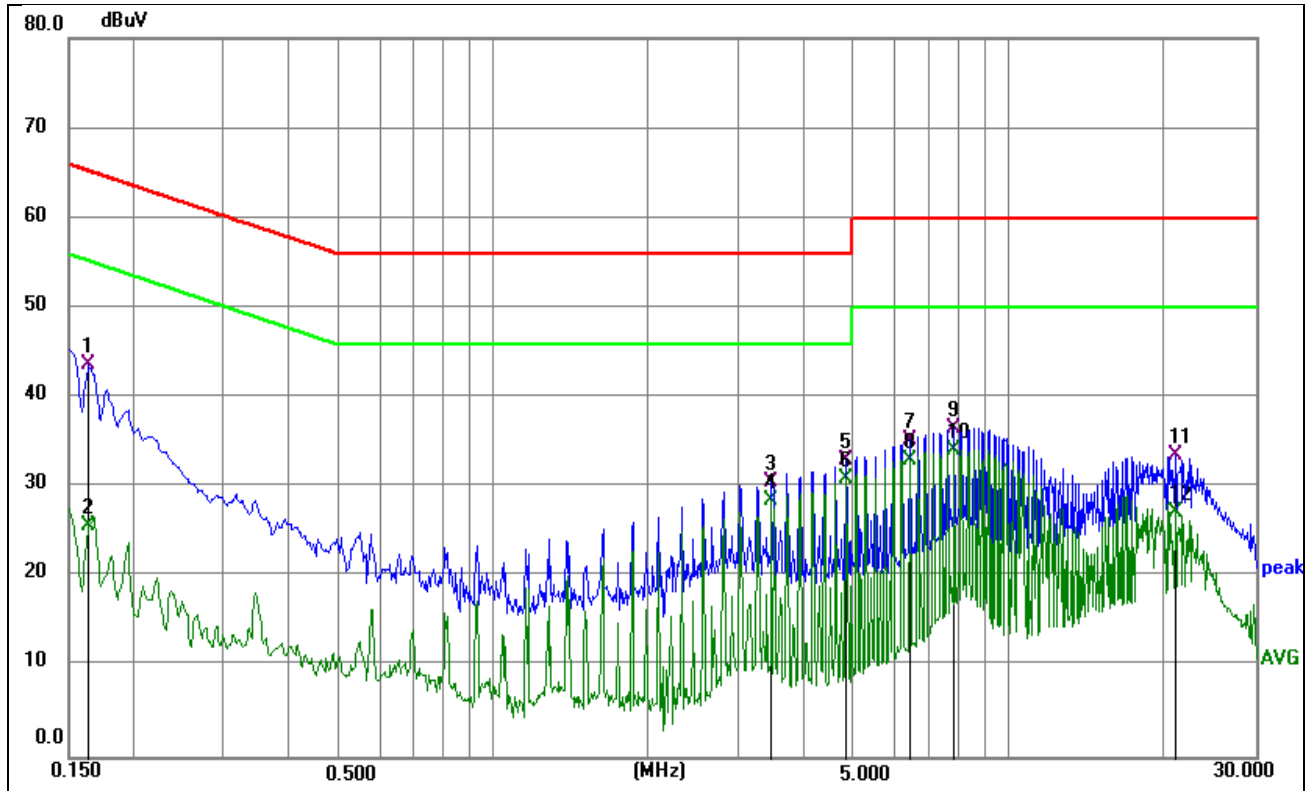
The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST SETUP



TEST ENVIRONMENT

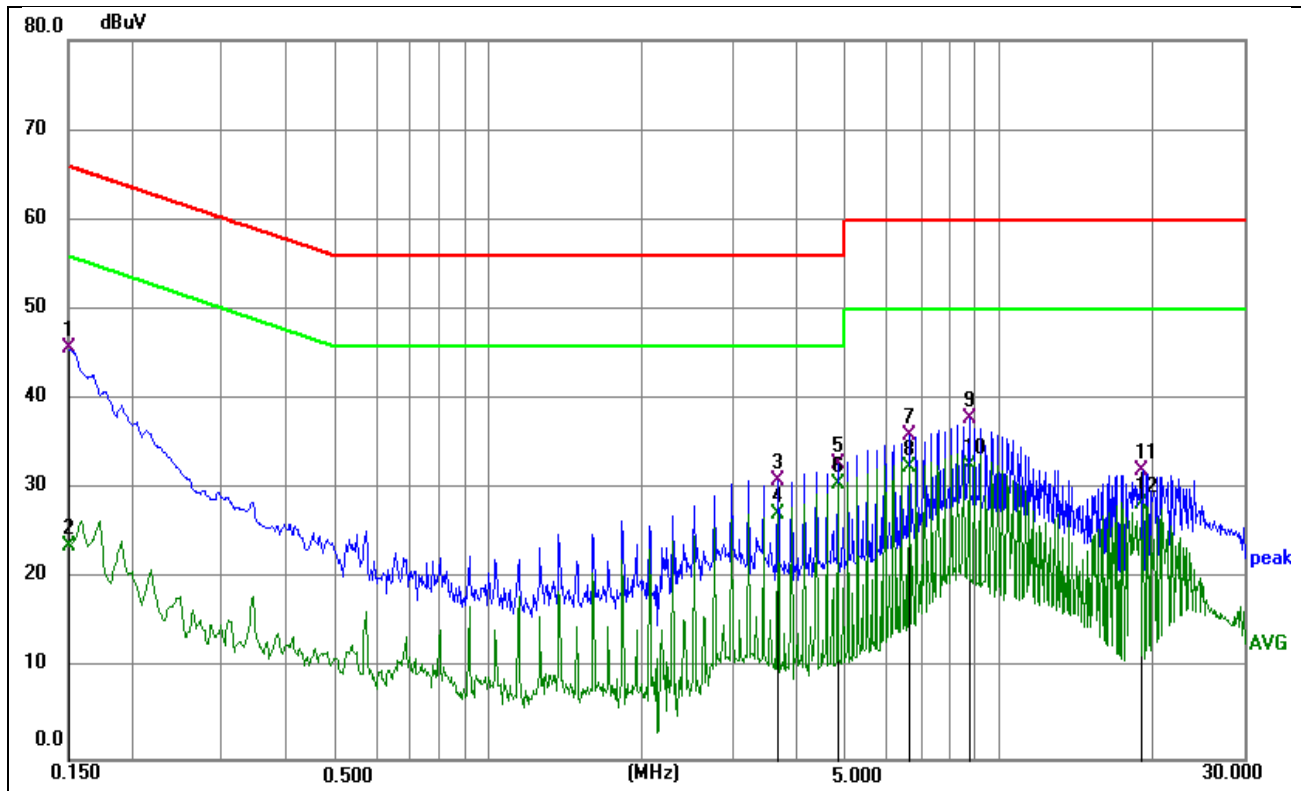
Temperature	23.2°C	Relative Humidity	52%
Atmosphere Pressure	100kPa		

TEST RESULTS

Phase: L1

Mode: M01

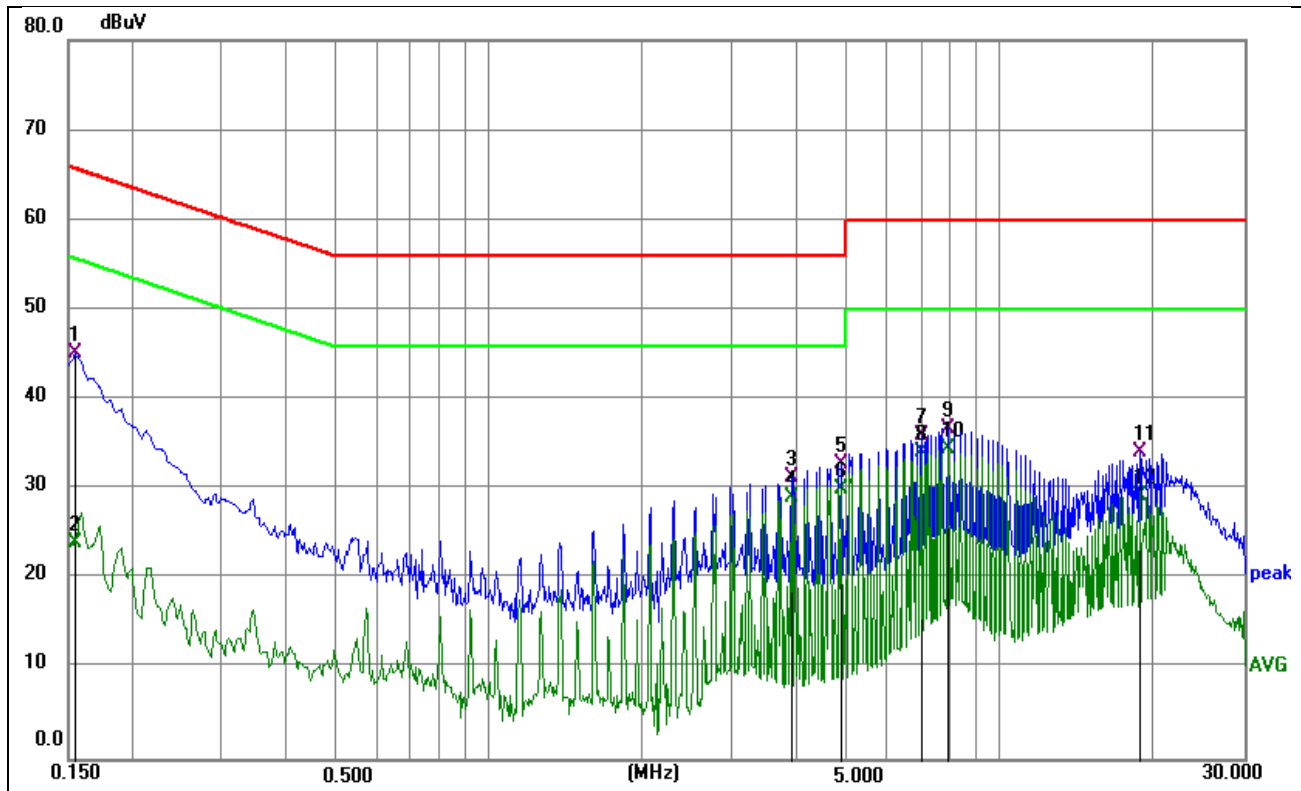
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1635	34.00	9.71	43.71	65.28	-21.57	QP
2	0.1635	16.07	9.71	25.78	55.28	-29.50	AVG
3	3.4620	20.96	9.78	30.74	56.00	-25.26	QP
4	3.4620	18.78	9.78	28.56	46.00	-17.44	AVG
5	4.8480	23.25	9.83	33.08	56.00	-22.92	QP
6	4.8480	21.13	9.83	30.96	46.00	-15.04	AVG
7	6.4320	25.45	9.93	35.38	60.00	-24.62	QP
8	6.4320	23.19	9.93	33.12	50.00	-16.88	AVG
9	7.8450	26.63	10.03	36.66	60.00	-23.34	QP
10	7.8450	24.26	10.03	34.29	50.00	-15.71	AVG
11	20.9940	23.25	10.40	33.65	60.00	-26.35	QP
12	20.9940	17.00	10.40	27.40	50.00	-22.60	AVG



Phase: N

Mode: M01

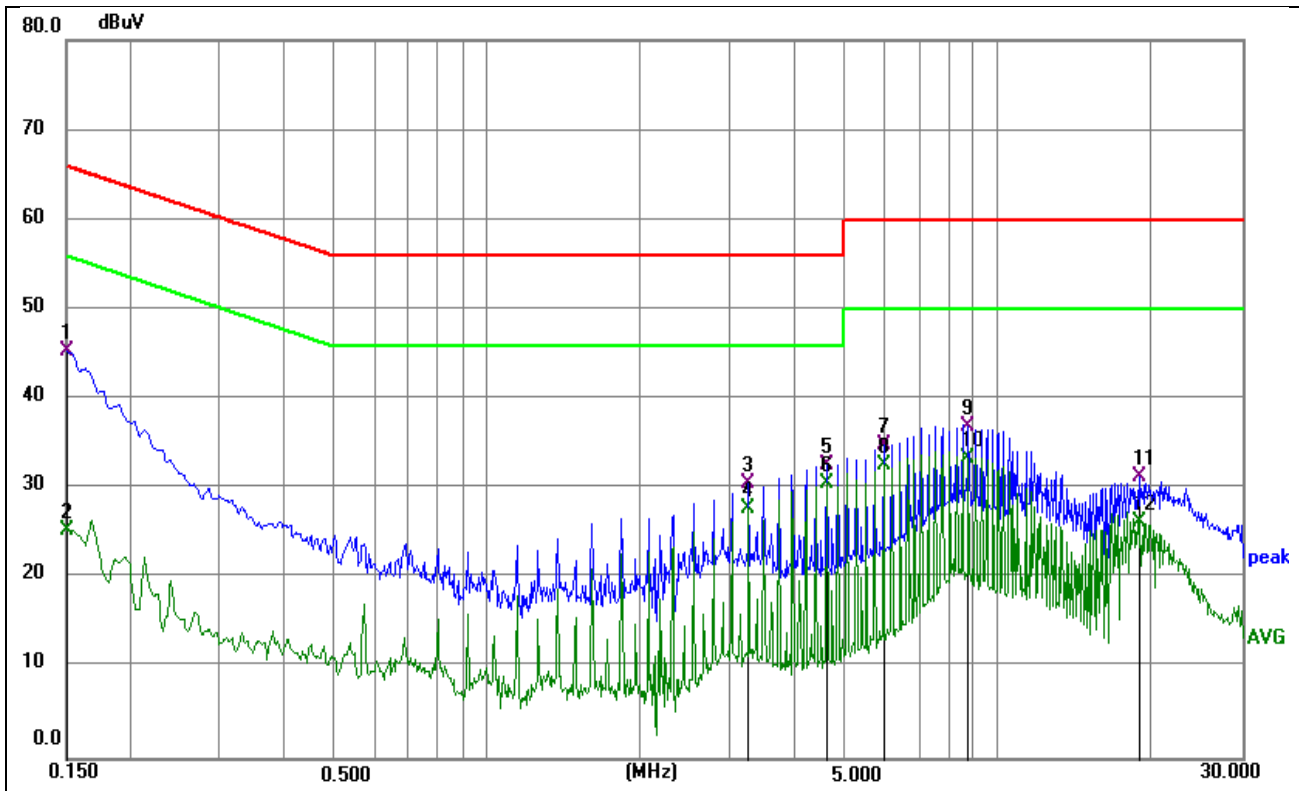
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1507	36.08	9.64	45.72	65.96	-20.24	QP
2	0.1507	14.05	9.64	23.69	55.96	-32.27	AVG
3	3.6780	21.36	9.73	31.09	56.00	-24.91	QP
4	3.6780	17.63	9.73	27.36	46.00	-18.64	AVG
5	4.8120	23.20	9.77	32.97	56.00	-23.03	QP
6	4.8120	20.82	9.77	30.59	46.00	-15.41	AVG
7	6.6480	26.13	9.87	36.00	60.00	-24.00	QP
8	6.6480	22.61	9.87	32.48	50.00	-17.52	AVG
9	8.6865	28.03	10.00	38.03	60.00	-21.97	QP
10	8.6865	22.82	10.00	32.82	50.00	-17.18	AVG
11	19.0634	21.85	10.40	32.25	60.00	-27.75	QP
12	19.0634	18.08	10.40	28.48	50.00	-21.52	AVG



Phase: L1

Mode: M04

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1544	35.42	9.71	45.13	65.76	-20.63	QP
2	0.1544	14.42	9.71	24.13	55.76	-31.63	AVG
3	3.9030	21.61	9.79	31.40	56.00	-24.60	QP
4	3.9030	19.37	9.79	29.16	46.00	-16.84	AVG
5	4.8795	23.13	9.83	32.96	56.00	-23.04	QP
6	4.8795	20.24	9.83	30.07	46.00	-15.93	AVG
7	6.9900	26.16	9.97	36.13	60.00	-23.87	QP
8	6.9900	24.16	9.97	34.13	50.00	-15.87	AVG
9	7.9214	26.89	10.03	36.92	60.00	-23.08	QP
10	7.9214	24.48	10.03	34.51	50.00	-15.49	AVG
11	18.7845	23.88	10.33	34.21	60.00	-25.79	QP
12	18.7845	19.07	10.33	29.40	50.00	-20.60	AVG



Phase: N

Mode: M04

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1500	35.78	9.64	45.42	66.00	-20.58	QP
2	0.1500	15.79	9.64	25.43	56.00	-30.57	AVG
3	3.2460	20.99	9.71	30.70	56.00	-25.30	QP
4	3.2460	18.19	9.71	27.90	46.00	-18.10	AVG
5	4.6275	22.88	9.76	32.64	56.00	-23.36	QP
6	4.6275	20.83	9.76	30.59	46.00	-15.41	AVG
7	5.9730	25.10	9.83	34.93	60.00	-25.07	QP
8	5.9730	22.87	9.83	32.70	50.00	-17.30	AVG
9	8.7675	27.08	10.01	37.09	60.00	-22.91	QP
10	8.7675	23.51	10.01	33.52	50.00	-16.48	AVG
11	19.0185	20.95	10.40	31.35	60.00	-28.65	QP
12	19.0185	16.04	10.40	26.44	50.00	-23.56	AVG

Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.
5. All the modes have been tested, only the worst data was recorded in the report.

9. 20DB BANDWIDTH

LIMITS

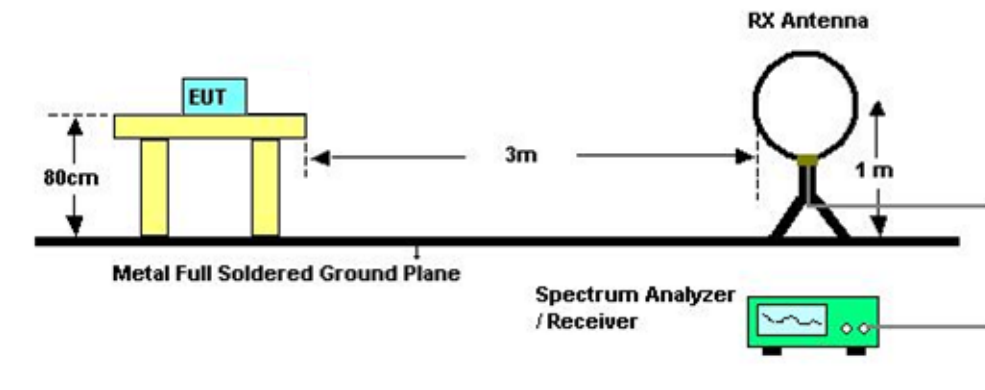
Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. In the case of intentional radiators operating under the provisions of subpart E, the emission bandwidth may span across multiple contiguous frequency bands identified in that subpart. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

TEST PROCEDURE

- a.) The EUT operates at maximum output power according to the user manual.
- b.) If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.
- c.) If the EUT is a floor standing device, it is placed on the ground.
- d.) Auxiliary equipment and cables were positioned to simulate normal operation conditions.
- f.) The EUT is connected to DC Power Source or an adapter.
- e.) The measurement distance is 3 meter.
- f.) The EUT was set into operation.
- g.) Adjust the test instrument for the following setting.

RBW	1kHz
VBW	3*RBW
Detector	Peak
Sweep time	Auto
Trace Mode	Max hold

- h.) Allow trace to fully stabilize.

TEST SETUP**TEST ENVIRONMENT**

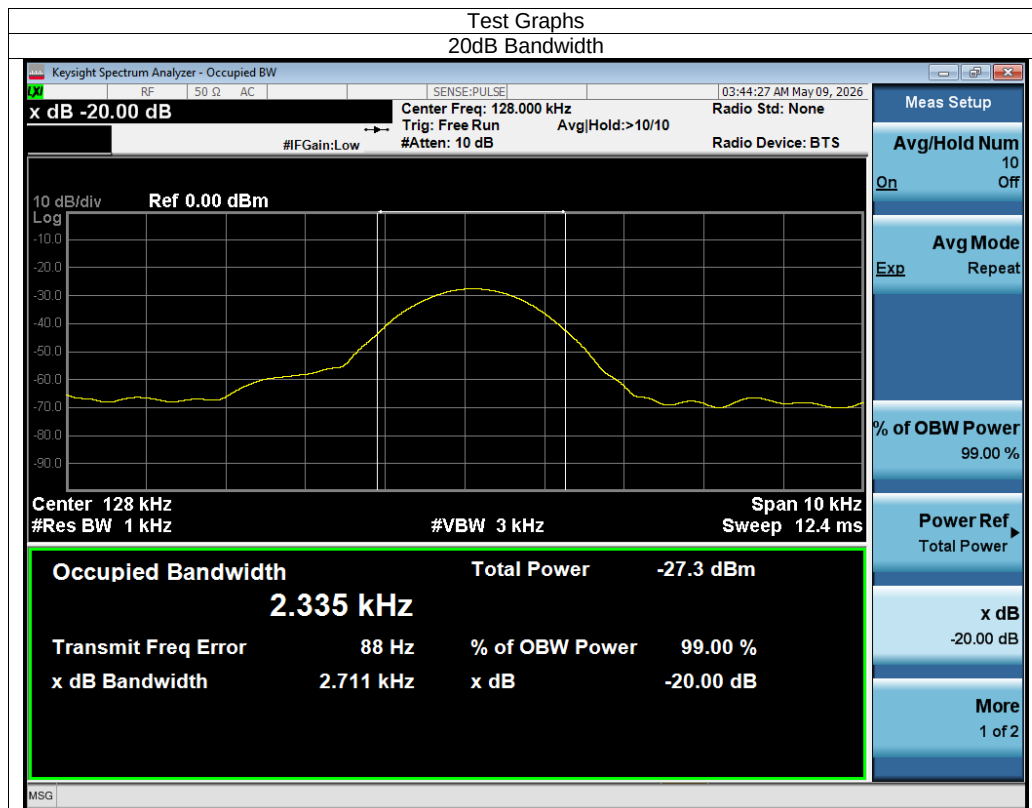
Temperature	22.6°C	Relative Humidity	51%
Atmosphere Pressure	101kPa		

TEST RESULTS

For Phone

Frequency (kHz)	20dB Bandwidth (kHz)	Result
128	2.711	Pass

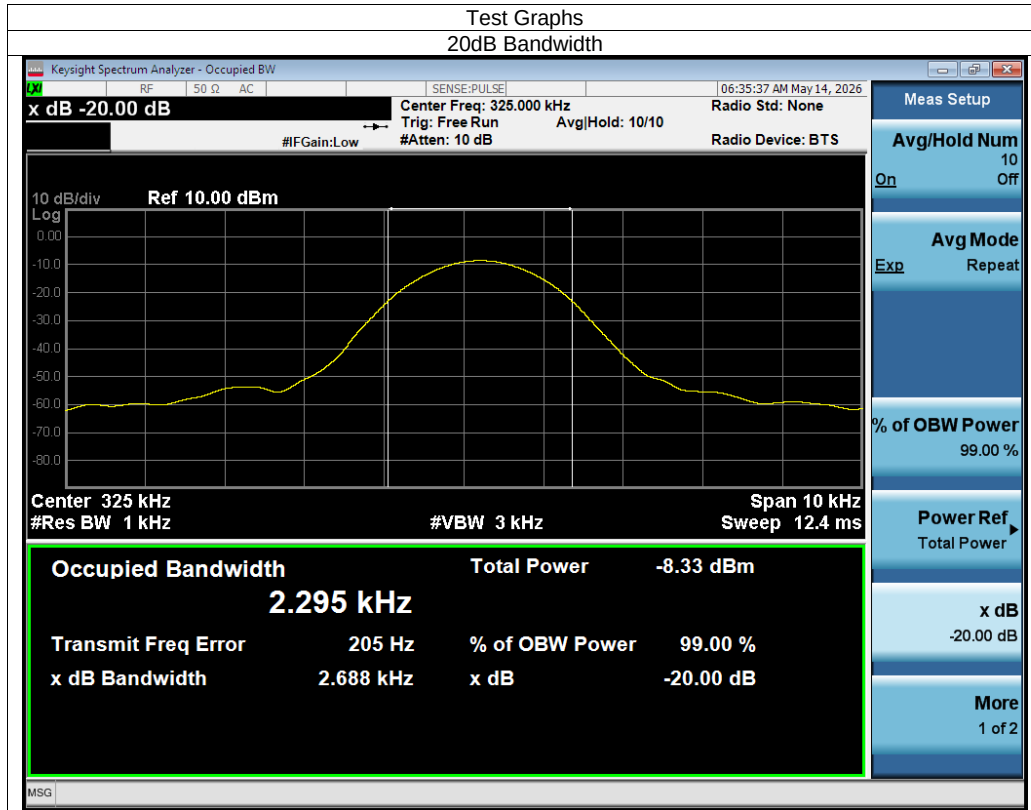
For Phone:



For Watch

Frequency (kHz)	20dB Bandwidth (kHz)	Result
325	2.688	Pass

For Watch:



10. ANTENNA REQUIREMENT

REQUIREMENT

Please refer to FCC §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 shall be considered sufficient to comply with the provisions of this section. 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

Pass.

END OF REPORT