

TEST REPORT

Report No.: BCTC2607674152-1E

Applicant: Shenzhen LangYi Technology Co.,Ltd

Product Name: Magnetic wireless power bank

Test Model.: M5

Tested Date: 2026-07-02 to 2026-07-31

Issued Date: 2026-07-31

Shenzhen BCTC Technology Co., Ltd.



FCC ID: 2A47D-M5

Product Name: Magnetic wireless power bank

Trademark: N/A

Model/Type Ref.: M5
M5 S

Prepared For: Shenzhen LangYi Technology Co.,Ltd

Address: Floor 2, Building 4, XinJiHui Innovation Industrial Park, ShangXue Village,
BanTian Street, LongGang District,Shenzhen,Guangdong Province, China

Manufacturer: ShenZhen ID MIX Innovative Products Co.,LTD

Address: Room 1401, 3D Building, TianAnYunGu, XueGang Road 2018#, Bantian Street,
Longgang District, Shenzhen, China

Prepared By: Shenzhen BCTC Technology Co., Ltd.

Address: Room 101M, Unit 1, Building1, Pengyuan, No.18, Lilang Road, Shanglilang, Nanwan
Subdistrict, Longgang District, Shenzhen, Guangdong, China.

Sample Received Date: 2026-07-02

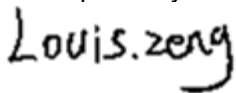
Sample tested Date: 2026-07-02 to 2026-07-31

Report No.: BCTC2607674152-1E

Test Standards: 47 CFR Part 15 Subpart C (clause 15.209)
ANSI C63.10-2020 + Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024

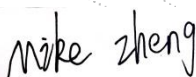
Test Results: PASS

Prepared by :



Louis Zeng /Editor

Reviewer by :



Mike Zheng / Supervisor

Approved by:



Sewen Guo/Manager

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1. Version

Report No.	Issue Date	Description	Approved
BCTC2607674152-1E	2026-07-31	Original	Valid

2. Test Summary

The Product has been tested according to the following specifications:

No.	Test Parameter	Clause No	Results
1	Conducted Emission	15.207	PASS*
2	Radiated Emission	15.209	PASS*
3	20dB Bandwidth	15.215	PASS*
4	Antenna Requirement	15.203	PASS

Note 1: "N/A" means not applicable in this report.

Note 2: "*" indicates that the test results are determined base on CFR 47 FCC Part 15 Subpart C (clause 15.207/209). And the test results are took into account measurement uncertainty(see section 3 for measurement uncertainty information)

3. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2:2011/AMD2:2018. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

No.	Item	Uncertainty
1	3m chamber Radiated spurious emission(9kHz-30MHz)	U=3.7dB
2	3m chamber Radiated spurious emission(30MHz-1GHz)	U=4.8dB
3	3m chamber Radiated spurious emission(1GHz-18GHz)	U=5.5dB
4	3m chamber Radiated spurious emission(18GHz-40GHz)	U=5.0dB
5	Conducted Emission(150kHz-30MHz)	U=3.0dB
6	Power Spectral Density	U=3.46dB
7	Peak Power	U=0.31dB
8	Occupied Bandwidth/Frequency Range	U=3.46%
9	Conducted output power uncertainty	U=0.55dB
10	Frequency Error	U= 53.50 Hz
11	Frequency Drift	U=0.64 KHz
12	Temperature	U= 0.59 °C
13	Humidity	U= 5.3 %

4. Product Information and Test Setup

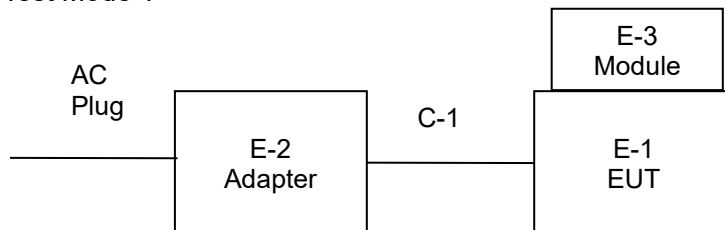
4.1 Product Information

Model/Type reference:	M5 M5 S
Model differences:	All the models are the same circuit and RF module, except model names.
Hardware Version:	N/A
Software Version:	N/A
Type of Modulation:	ASK
Operation Frequency:	115-205kHz; 360-365kHz
Antenna installation:	Loop coil antenna
Ratings:	Input(USB-C): DC 5V/3A, DC 9V/2A Output(USB-C): DC 5V/3A, DC 9V/2.22A, DC 12V/1.67A Wireless Output: 5W/7.5W/10W/15W Total Output: DC 5V/3A Battery: DC 3.85V

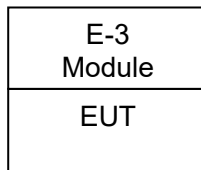
4.2 Test Setup Configuration

See test photographs attached in EUT TEST SETUP Photographs for the actual connections between Product and support equipment.

Test Mode 1



Test Mode 2-4



4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	Magnetic wireless power bank	N/A	M5	N/A	EUT
E-2	AC Adapter	TEKA-UCA20US	/	TEKA	Auxiliary
E-3	Intelligent wireless charging full function test module	V3.1.1	/	EESON	Auxiliary

No.	Cable Type	Quantity	Provider	Length (m)	Shielded	Note
1	DC Cable	--	---	0.8m	---	C-1
2	--	--	---	---	---	---

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4.4 Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test config

Test Mode 1	Charging+10W(115-205kHz)
Test Mode 2	5W(115-205kHz)
Test Mode 3	7.5W(115-205kHz)
Test Mode 4	15W(360-365kHz)

5. Test Facility and Test Instrument Used

5.1 Test Facility

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Technology Co., Ltd.

Address: Room 101M, Unit 1, Building1, Pengyuan, No.18, Lilang Road, Shanglilang, Nanwan Subdistrict, Longgang District, Shenzhen, Guangdong, China.

The site and apparatus are constructed in conformance with the requirements of ANSI C63.4a-2017 and CISPR 16-1-1:2019 other equivalent standards.

FCC Test Firm Registration Number: 754702

ANAB certificate registration number is: CN3479

5.2 Test Instrument Used

Conducted emissions Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Receiver	R&S	ESCI	101421	2025.08.30	2026.08.29
AMN	SCHWHRZBECK	NSLK8128	05152	2026.01.22	2027.01.21
AMN	SCHWHRZBECK	NSLK8127	8127739	2025.09.16	2026.09.15
Pulse Limiter	SCHWHRZBECK	VTSD 9561-F-N	00547	2025.08.30	2026.08.29
Temperature & Humidity	Wetest	HTC-1	/	2025.09.01	2026.08.31
Software	EZ-EMC	Ver.EMC-CON 3A1	/	/	/

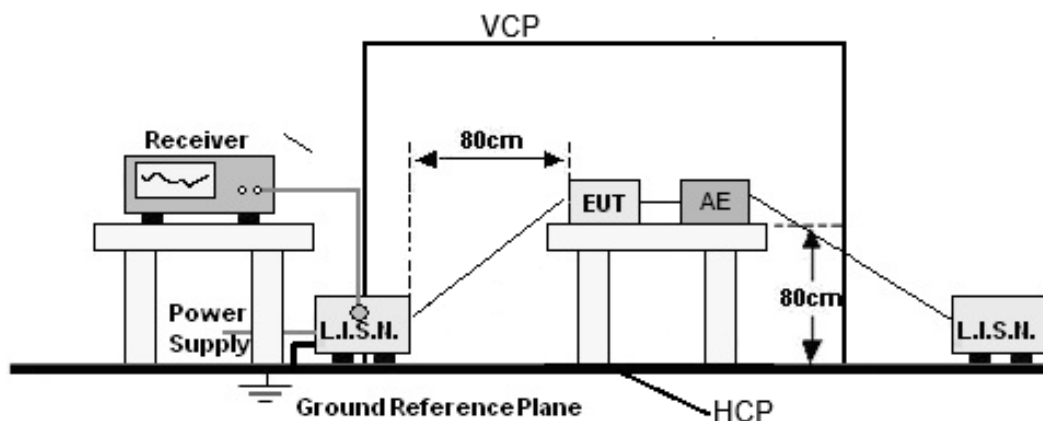
Radiated disturbance 1#					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Shielded room	CRT	9*6*6	/	2023.08.02	2026.08.01
Broadband antenna	Schwarzbeck	VULB9160	3369	2026.05.16	2027.05.15
Receiver	R&S	ESPI	101396	2025.08.30	2026.08.29
Preamplifier	Schwarzbeck	BBV9744	00342	2025.08.30	2026.08.29
Loop Antenna	Schwarzbeck	FMZB1519B	00014	2026.01.05	2027.01.04
RF cable 5# (9kHz-6GHz)	Yunyi	3M	/	2025.08.30	2026.08.29
RF cable 8# (9kHz-1GHz)	Yunyi	7M	/	2025.10.28	2026.10.27
Temperature & Humidity	Wetest	HTC-1	/	2025.09.01	2026.08.31
Software	EZ-EMC	Ver.FA-03A2	/	/	/

RF Conducted Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Spectrum Analyzer	Keysight	N9020A	MY51287403	2025.08.30	2026.08.29
Signal Generator	Keysight	N5182A	MY50144088	2025.08.30	2026.08.29
Power Sensor	Keysight	U2001	MY51250006	2025.10.28	2026.10.27
Temperature & Humidity	Wetest	HTC-1	/	2025.09.01	2026.08.31
Communication test set	R&S	CMW500	157483	2025.08.30	2026.08.29
Radio frequency control box	MWRFTest	MW100-RFCB	\	\	\
Software	MWRFTest	MTS 8310	V 3.0.0.0	\	\
D.C. Power Supply	Elektro-Automatik GmbH & Co.KG	D-41747 Viersen	6230316	2025.09.30	2026.08.29
Temperature and humidity test chamber	Auchno	OJN-9606-408 L	19120183	2025.07.09	2026.07.08
Temperature and humidity test chamber	Auchno	OJN-9606-408 L	19120183	2026.07.07	2027.07.06

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6. Conducted Emissions

6.1 Block Diagram Of Test Setup



6.2 Limit

FREQUENCY (MHz)	Limit (dBuV)	
	Quas-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

Notes:

- *Decreasing linearly with logarithm of frequency.
- The lower limit shall apply at the transition frequencies.

6.3 Test Procedure

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

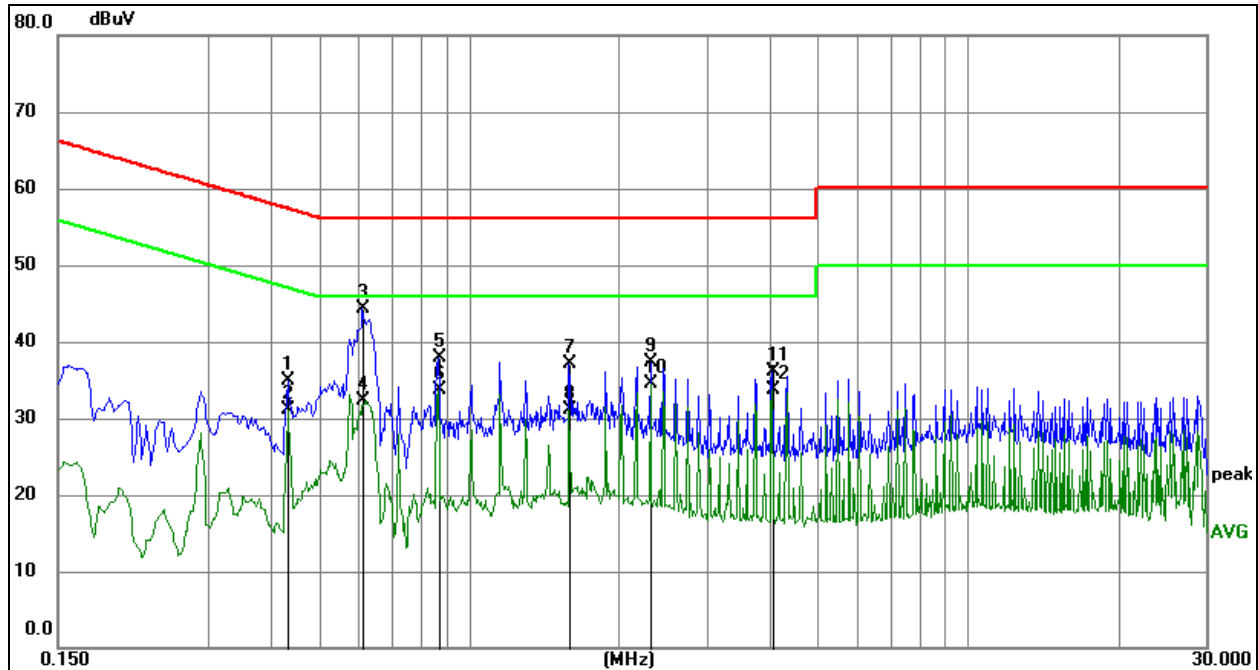
- The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
- The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak and AVG detector in Max Hold mode. Run the receiver's pre-scan to record the maximum disturbance generated from Product in all power lines in the full band.
- For each frequency whose maximum record was higher or close to limit, measure its QP and AVG values and record.

6.4 EUT Operating Conditions

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.

6.5 Test Result

Temperature:	25.5 °C	Relative Humidity:	54%RH
Pressure:	101KPa	Phase:	L
Test Mode:	Mode 1	Test Voltage :	AC 120V/60Hz



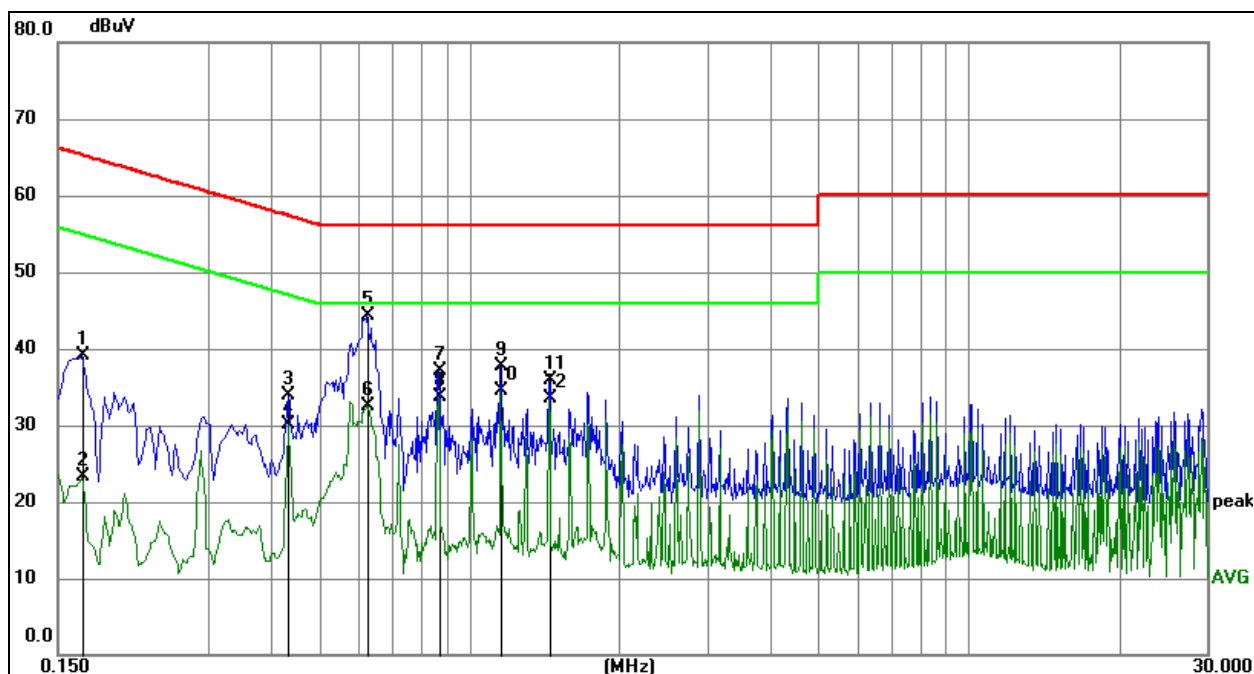
Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = LISN factor + Cable Loss+ Limiter (10dB).
3. Margin = (Reading+ Factor)-Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.4335	24.43	10.52	34.95	57.19	-22.24	QP
2	0.4335	20.62	10.52	31.14	47.19	-16.05	AVG
3	0.6134	33.80	10.53	44.33	56.00	-11.67	QP
4	0.6134	21.75	10.53	32.28	46.00	-13.72	AVG
5	0.8700	27.34	10.54	37.88	56.00	-18.12	QP
6	0.8700	23.19	10.54	33.73	46.00	-12.27	AVG
7	1.5900	26.51	10.55	37.06	56.00	-18.94	QP
8	1.5900	20.61	10.55	31.16	46.00	-14.84	AVG
9	2.3145	26.73	10.55	37.28	56.00	-18.72	QP
10 *	2.3145	24.02	10.55	34.57	46.00	-11.43	AVG
11	4.0515	25.35	10.67	36.02	56.00	-19.98	QP
12	4.0515	22.97	10.67	33.64	46.00	-12.36	AVG

* Indicates the worst data.

Temperature:	25.5 °C	Relative Humidity:	54%RH
Pressure:	101KPa	Phase:	N
Test Mode:	Mode 1	Test Voltage :	AC 120V/60Hz


Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = LISN factor + Cable Loss+ Limiter (10dB).
3. Margin = (Reading+ Factor)-Limit

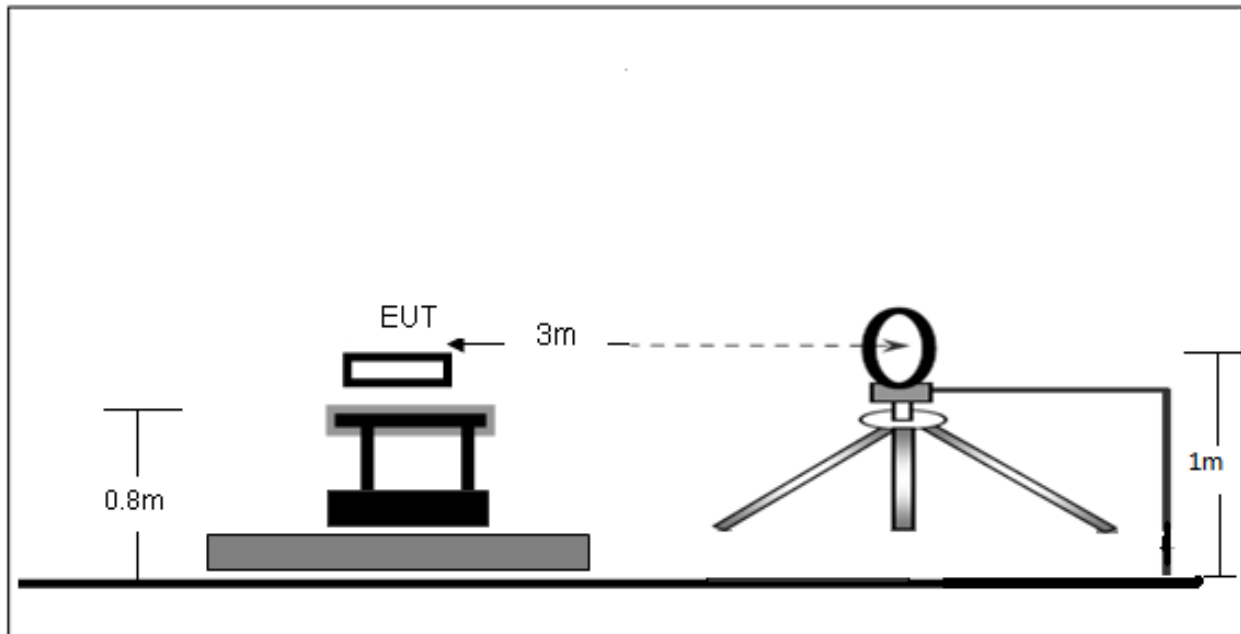
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1680	28.49	10.57	39.06	65.06	-26.00	QP
2	0.1680	12.80	10.57	23.37	55.06	-31.69	AVG
3	0.4335	23.41	10.52	33.93	57.19	-23.26	QP
4	0.4335	19.59	10.52	30.11	47.19	-17.08	AVG
5	0.6270	33.71	10.53	44.24	56.00	-11.76	QP
6	0.6270	21.98	10.53	32.51	46.00	-13.49	AVG
7	0.8700	26.54	10.54	37.08	56.00	-18.92	QP
8	0.8700	23.08	10.54	33.62	46.00	-12.38	AVG
9	1.1580	27.20	10.53	37.73	56.00	-18.27	QP
10 *	1.1580	24.04	10.53	34.57	46.00	-11.43	AVG
11	1.4460	25.42	10.53	35.95	56.00	-20.05	QP
12	1.4460	22.97	10.53	33.50	46.00	-12.50	AVG

* Indicates the worst data.

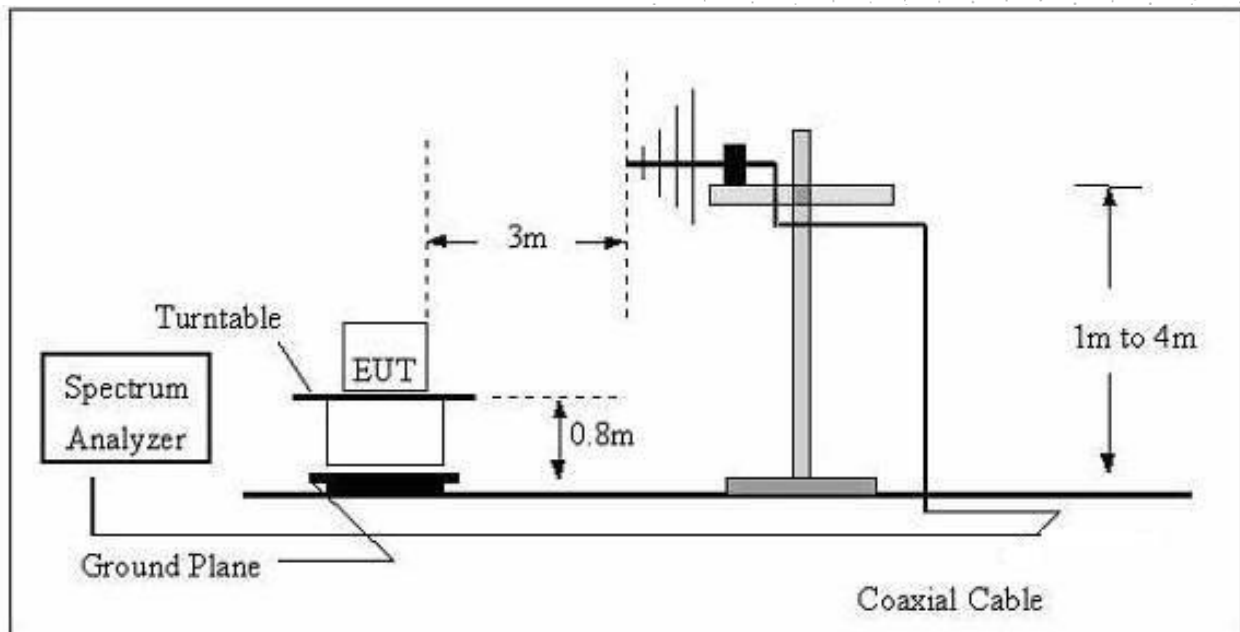
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



7.2 Limit

FCC §15.209; §15.205.

Frequency	Field Strength	Distance	Field Strength Limit at 3m Distance	
(MHz)	uV/m	(m)	uV/m	dBuV/m
0.009 ~ 0.490	2400/F(kHz)	300	$10000 * 2400/F(\text{kHz})$	$20\log^{(2400/F(\text{kHz}))} + 80$
0.490 ~ 1.705	24000/F(kHz)	30	$100 * 24000/F(\text{kHz})$	$20\log^{(24000/F(\text{kHz}))} + 40$
1.705 ~ 30	30	30	$100 * 30$	$20\log^{(30)} + 40$
30 ~ 88	100	3	100	$20\log^{(100)}$
88 ~ 216	150	3	150	$20\log^{(150)}$
216 ~ 960	200	3	200	$20\log^{(200)}$
Above 960	500	3	500	$20\log^{(500)}$

7.3 Test Procedure

Receiver Parameter	Setting
Attenuation	Auto
9kHz~150kHz	RBW 200Hz for QP
150kHz~30MHz	RBW 9kHz for QP
30MHz~1000MHz	RBW 120kHz for QP

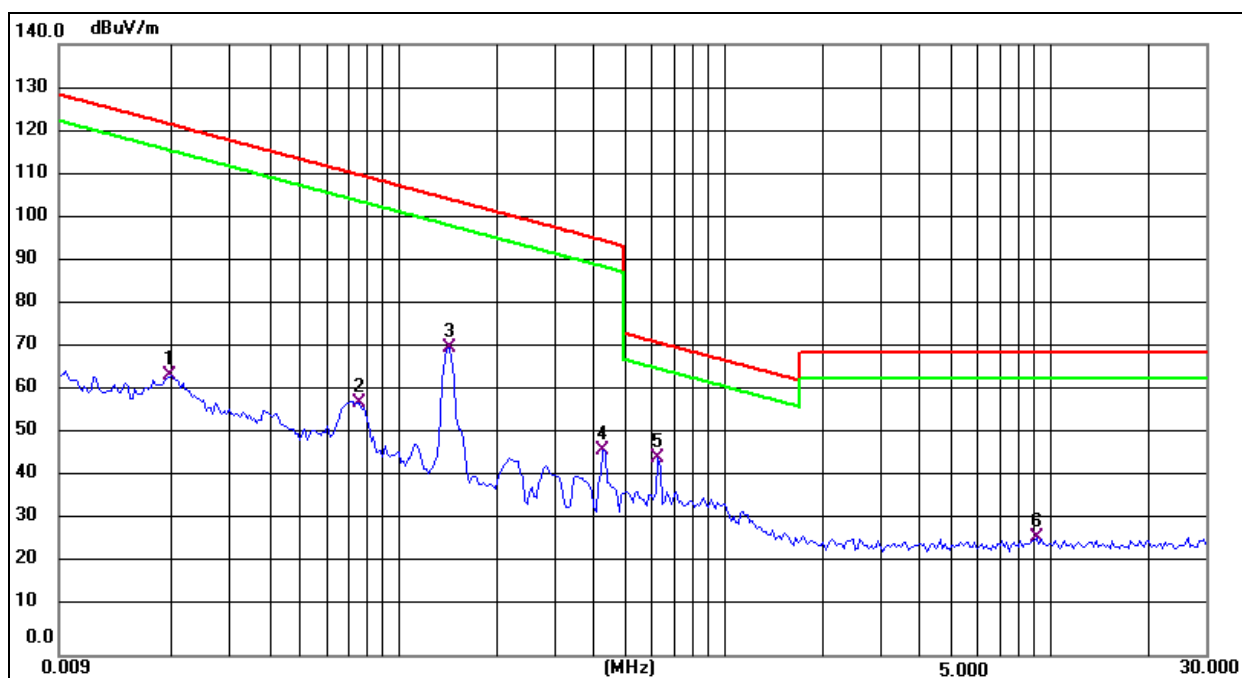
Below 1GHz test procedure as below:

- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 metre to 1.5 metre(Above 18GHz the distance is 1 meter and table is 1.5 metre).
- Test the EUT in the lowest channel ,the middle channel ,the Highest channel.

7.4 Test Result

Below 30MHz

Temperature:	23.1℃	Relative Humidity:	55%RH
Pressure:	101 kpa	Test Voltage :	AC 120V/60Hz
Test Mode :	Mode 1	Polarization:	Coaxial(the worst mode)



Remark:

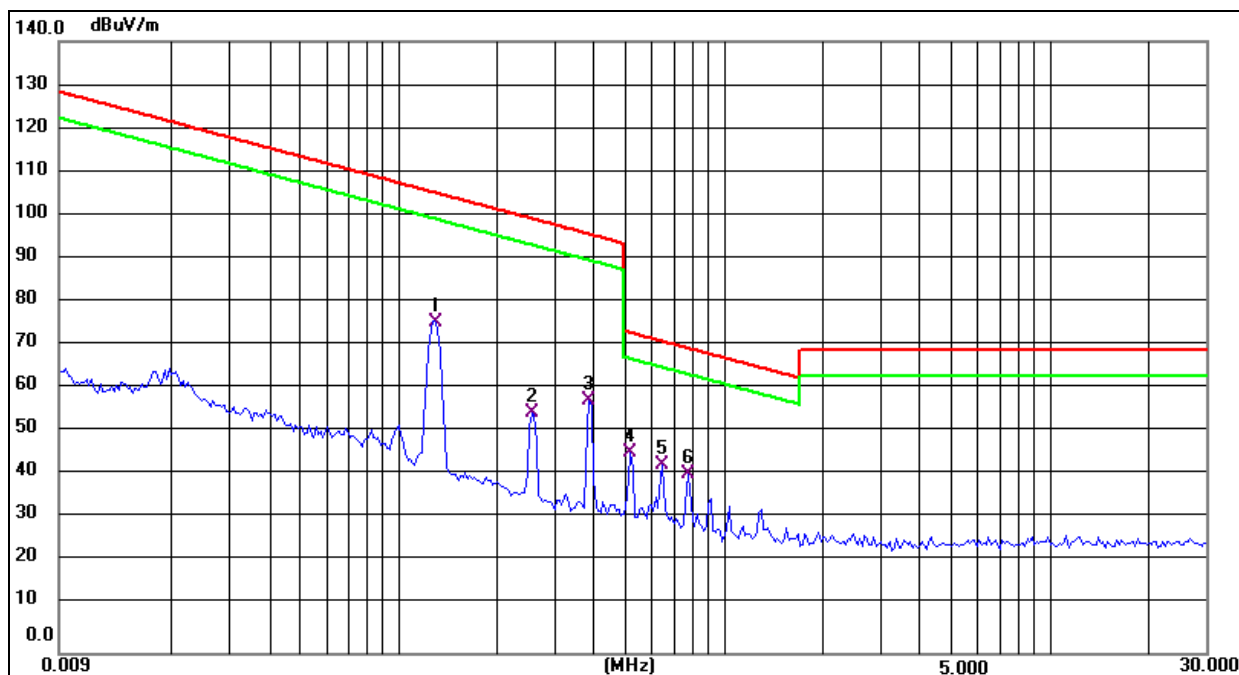
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Margin = (Reading + Factor) – Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0199	75.76	-11.56	64.20	121.61	-57.41	QP
2	0.0754	69.40	-11.33	58.07	110.05	-51.98	QP
3	0.1419	81.70	-11.28	70.42	104.56	-34.14	QP
4	0.4208	58.54	-11.46	47.08	95.12	-48.04	QP
5 *	0.6211	56.62	-11.21	45.41	71.75	-26.34	QP
6	9.0310	37.80	-10.70	27.10	69.54	-42.44	QP

* Indicates the worst data.

Temperature:	23.1℃	Relative Humidity:	55%RH
Pressure:	101 kpa	Test Voltage :	DC 3.85V
Test Mode :	Mode 2	Polarization:	Coaxial(the worst mode)



Remark:

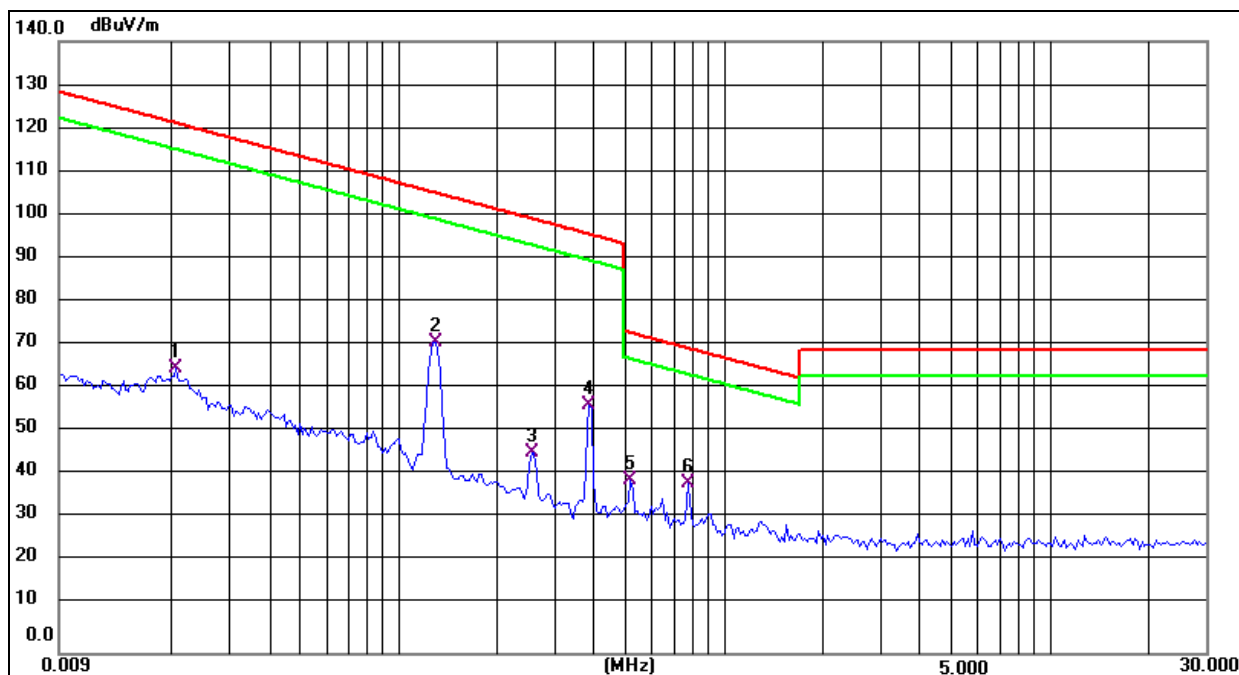
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Margin = (Reading + Factor) – Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.1287	87.11	-11.17	75.94	105.41	-29.47	QP
2	0.2545	66.13	-11.06	55.07	99.49	-44.42	QP
3	0.3818	69.46	-11.51	57.95	95.97	-38.02	QP
4 *	0.5113	57.49	-11.42	46.07	73.43	-27.36	QP
5	0.6416	54.33	-11.19	43.14	71.47	-28.33	QP
6	0.7669	52.49	-11.25	41.24	69.92	-28.68	QP

* Indicates the worst data.

Temperature:	23.1℃	Relative Humidity:	55%RH
Pressure:	101 kpa	Test Voltage :	DC 3.85V
Test Mode :	Mode 3	Polarization:	Coaxial(the worst mode)



Remark:

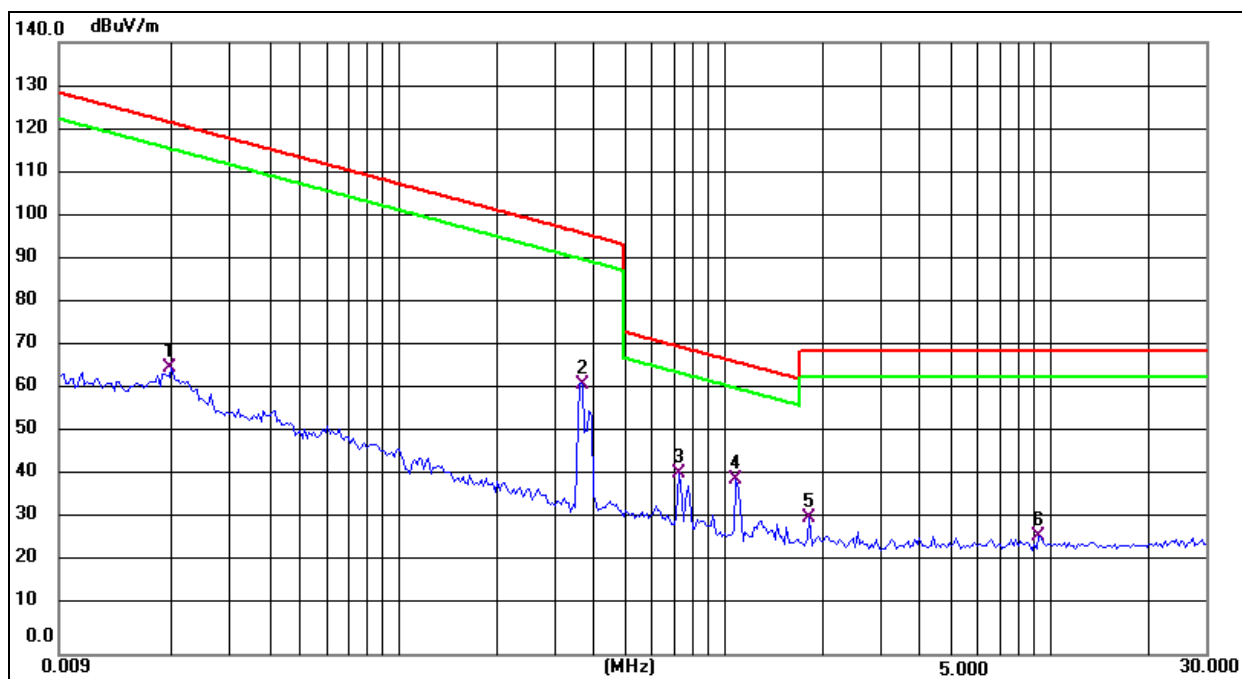
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Margin = (Reading + Factor) – Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0206	76.77	-11.51	65.26	121.31	-56.05	QP
2	0.1287	82.44	-11.17	71.27	105.41	-34.14	QP
3	0.2545	57.18	-11.06	46.12	99.49	-53.37	QP
4	0.3818	68.46	-11.51	56.95	95.97	-39.02	QP
5	0.5113	51.19	-11.42	39.77	73.43	-33.66	QP
6 *	0.7669	50.28	-11.25	39.03	69.92	-30.89	QP

* Indicates the worst data.

Temperature:	23.1℃	Relative Humidity:	55%RH
Pressure:	101 kpa	Test Voltage :	DC 3.85V
Test Mode :	Mode 4	Polarization:	Coaxial(the worst mode)



Remark:

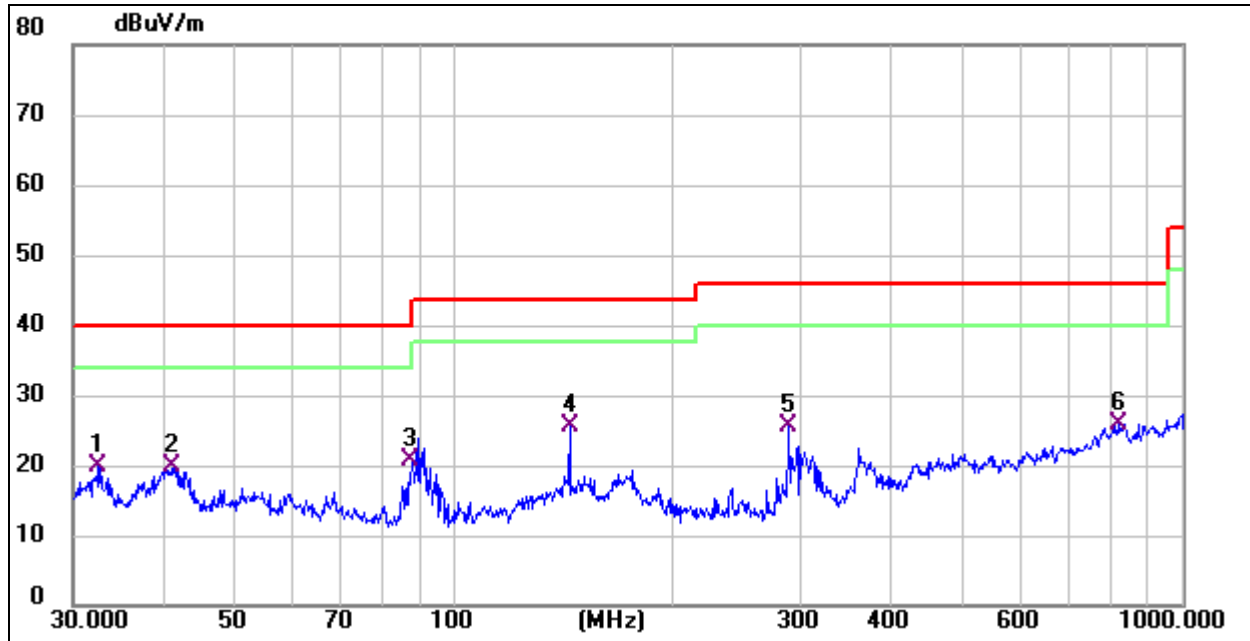
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Margin = (Reading + Factor) – Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0199	77.17	-11.56	65.61	121.61	-56.00	QP
2	0.3636	73.37	-11.55	61.82	96.39	-34.57	QP
3	0.7188	52.59	-11.20	41.39	70.48	-29.09	QP
4 *	1.0783	51.64	-11.46	40.18	66.97	-26.79	QP
5	1.8122	42.62	-11.39	31.23	69.54	-38.31	QP
6	9.1787	37.95	-10.72	27.23	69.54	-42.31	QP

* Indicates the worst data.

Temperature:	22.1°C	Relative Humidity:	54%RH
Pressure:	101 kPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 1	Polarization:	Horizontal



Remark:

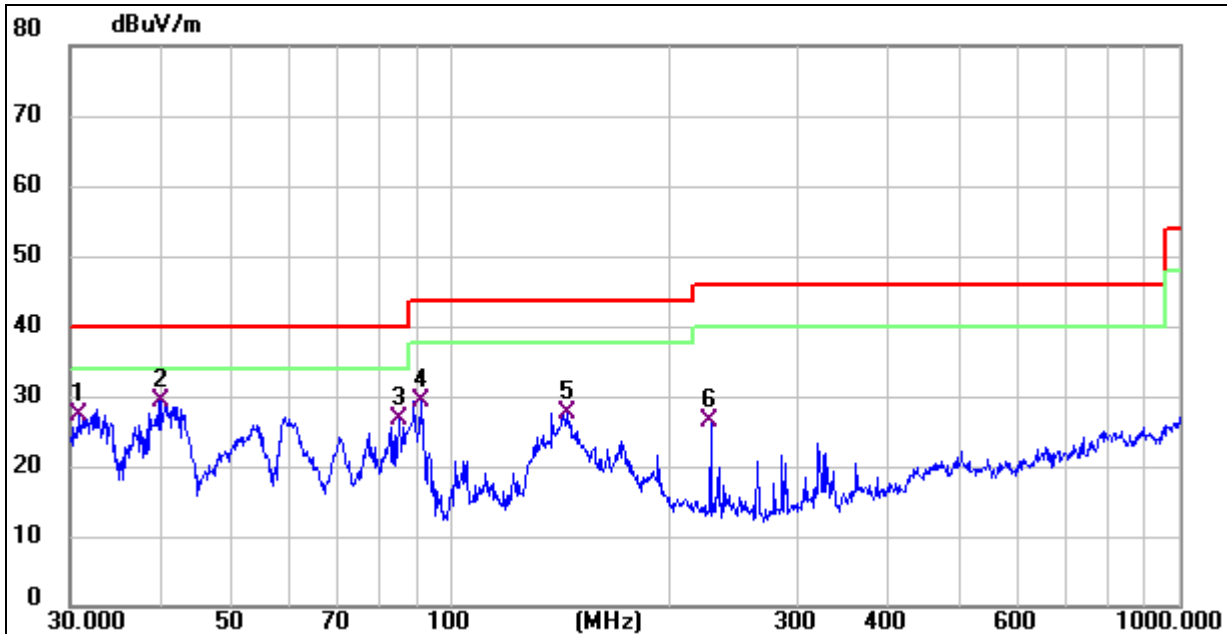
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Margin = (Reading + Factor) – Limit

No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector
1	32.4742	31.55	-11.71	19.84	40.00	-20.16	QP
2	41.2476	30.64	-10.85	19.79	40.00	-20.21	QP
3	87.5813	34.93	-14.30	20.63	40.00	-19.37	QP
4 *	143.9977	36.05	-10.60	25.45	43.50	-18.05	QP
5	288.0241	36.95	-11.32	25.63	46.00	-20.37	QP
6	821.4223	25.60	0.32	25.92	46.00	-20.08	QP

* Indicates the worst data.

Temperature:	22.1℃	Relative Humidity:	54%RH
Pressure:	101 kpa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 1	Polarization:	Vertical



Remark:

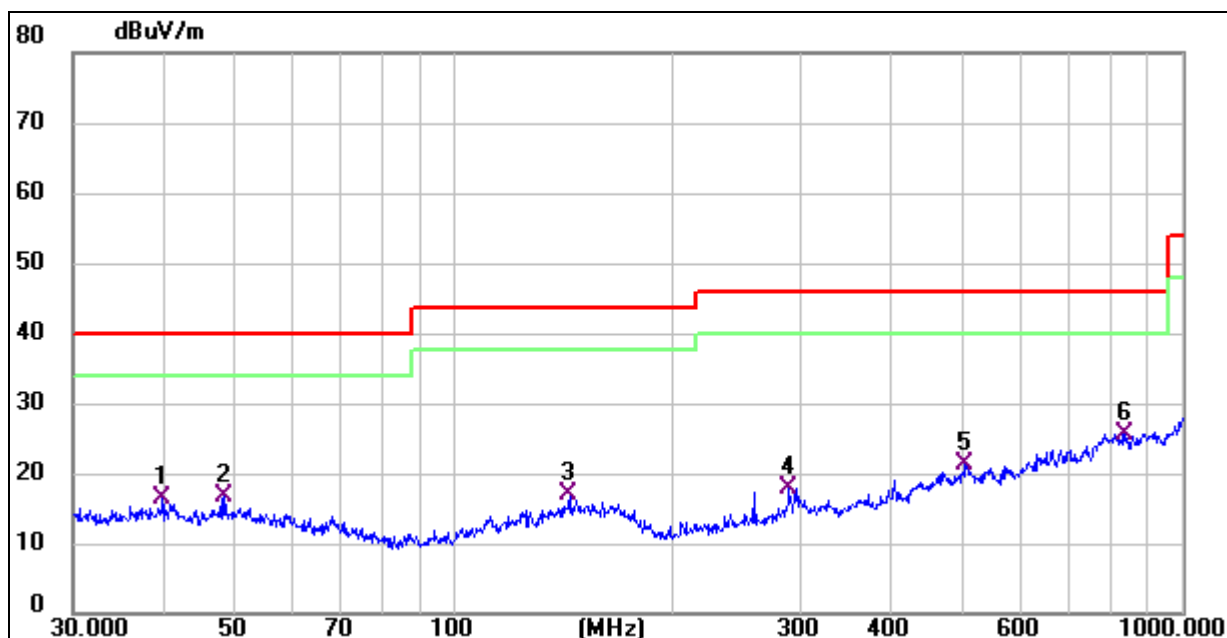
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Margin = (Reading + Factor) – Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.8210	38.73	-11.49	27.24	40.00	-12.76	QP
2 *	40.0176	40.30	-10.89	29.41	40.00	-10.59	QP
3	84.7316	41.52	-14.86	26.66	40.00	-13.34	QP
4	91.0574	44.01	-14.80	29.21	43.50	-14.29	QP
5	143.9977	38.05	-10.60	27.45	43.50	-16.05	QP
6	226.9732	39.55	-13.03	26.52	46.00	-19.48	QP

* Indicates the worst data.

Temperature:	22.1℃	Relative Humidity:	54%RH
Pressure:	101 kPa	Test Voltage:	DC 3.85V
Test Mode:	Mode 2	Polarization:	Horizontal



Remark:

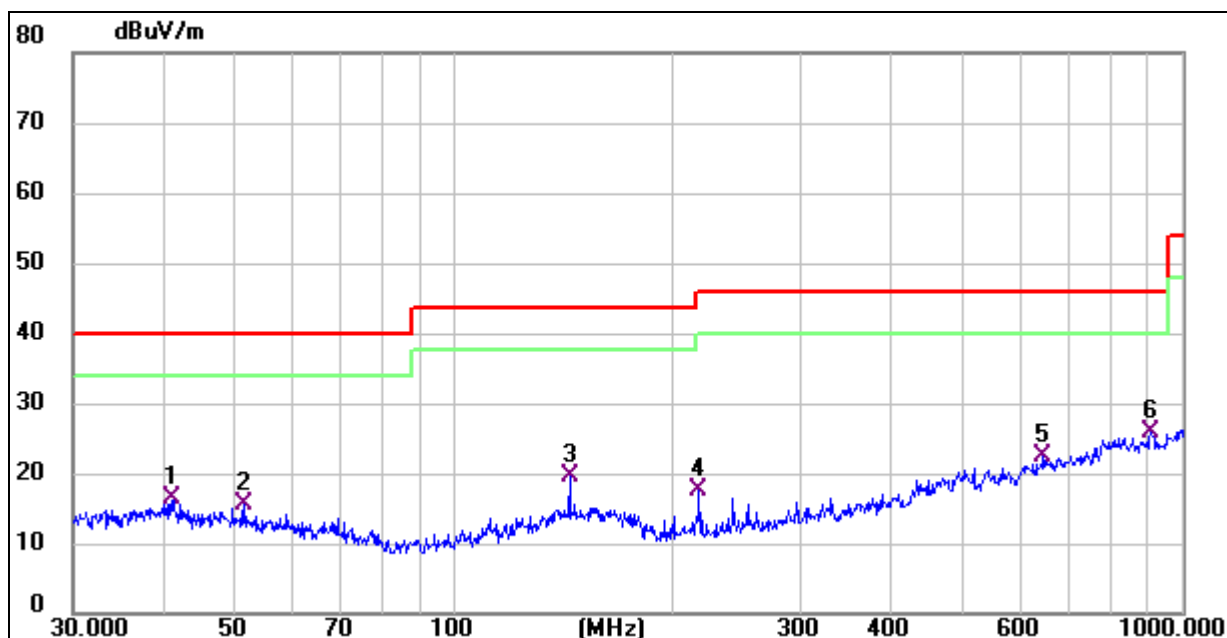
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Margin = (Reading + Factor) – Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	39.8449	27.41	-10.94	16.47	40.00	-23.53	QP
2	48.4562	27.19	-10.59	16.60	40.00	-23.40	QP
3	144.0146	27.69	-10.60	17.09	43.50	-26.41	QP
4	288.0241	29.28	-11.32	17.96	46.00	-28.04	QP
5	503.4689	26.64	-5.32	21.32	46.00	-24.68	QP
6 *	830.5943	25.00	0.63	25.63	46.00	-20.37	QP

* Indicates the worst data.

Temperature:	22.1°C	Relative Humidity:	54%RH
Pressure:	101 kpa	Test Voltage:	DC 3.85V
Test Mode:	Mode 2	Polarization:	Vertical



Remark:

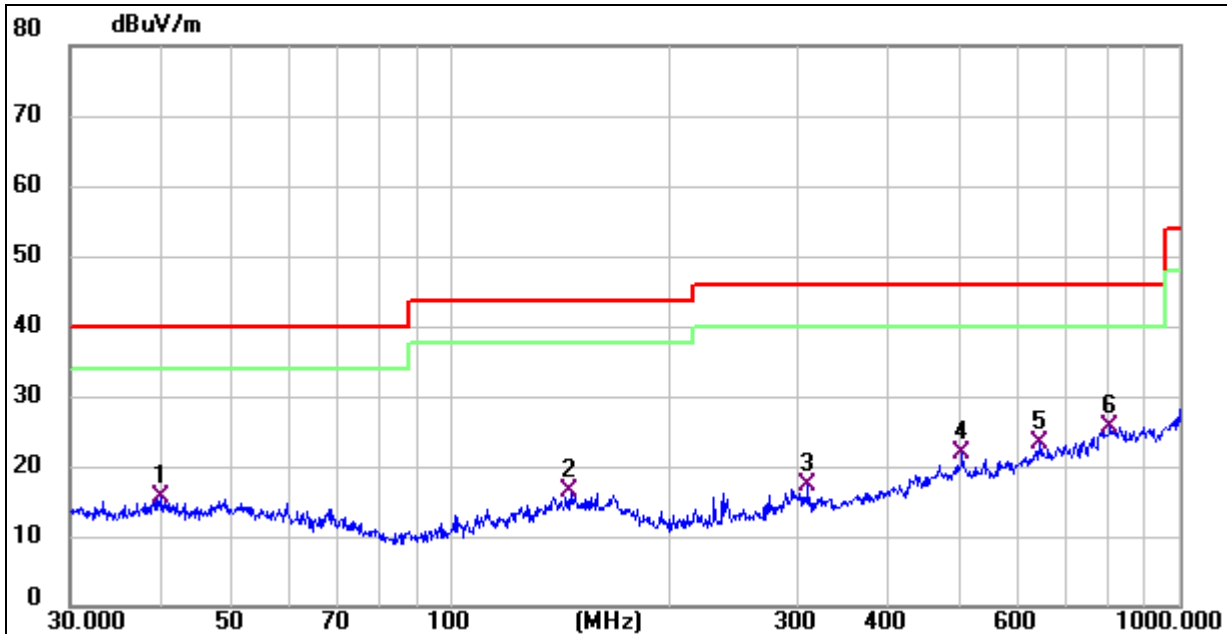
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Margin = (Reading + Factor) – Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	41.1561	27.24	-10.83	16.41	40.00	-23.59	QP
2	51.5048	26.12	-10.49	15.63	40.00	-24.37	QP
3	143.9977	30.11	-10.60	19.51	43.50	-23.99	QP
4	216.6055	30.49	-12.94	17.55	46.00	-28.45	QP
5	644.9687	25.44	-2.95	22.49	46.00	-23.51	QP
6 *	904.2601	24.96	0.77	25.73	46.00	-20.27	QP

* Indicates the worst data.

Temperature:	22.1℃	Relative Humidity:	54%RH
Pressure:	101 kPa	Test Voltage:	DC 3.85V
Test Mode:	Mode 3	Polarization:	Horizontal



Remark:

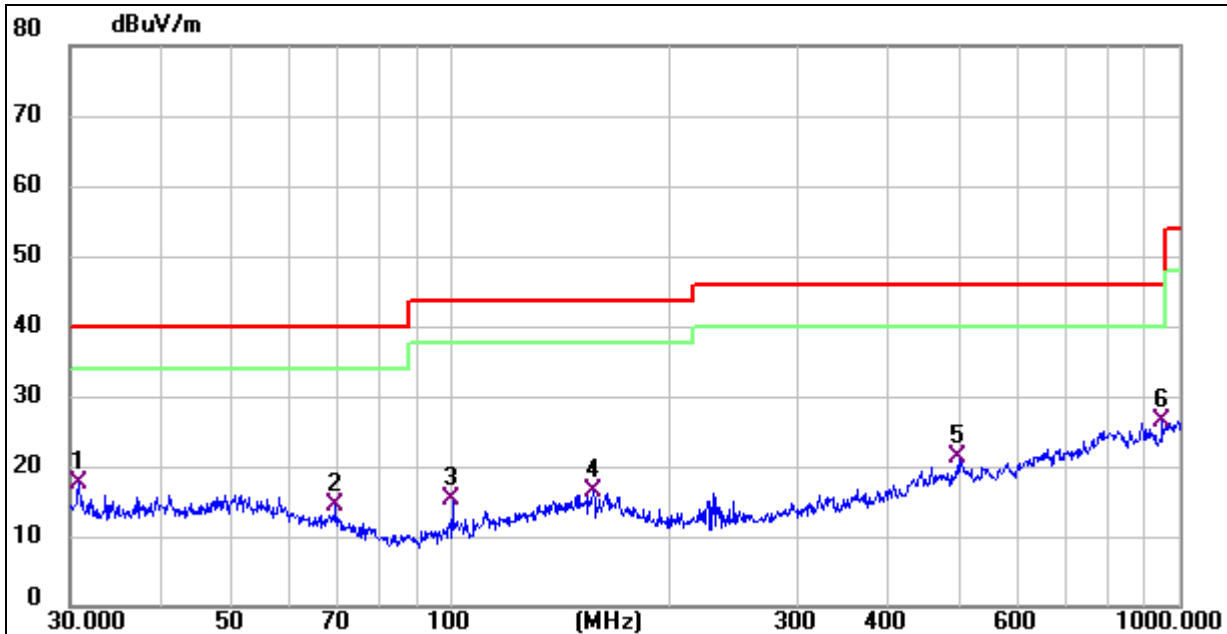
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Margin = (Reading + Factor) – Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	40.0176	26.37	-10.89	15.48	40.00	-24.52	QP
2	146.2196	27.04	-10.66	16.38	43.50	-27.12	QP
3	309.0571	27.78	-10.51	17.27	46.00	-28.73	QP
4	504.4113	27.04	-5.27	21.77	46.00	-24.23	QP
5	644.9687	26.13	-2.95	23.18	46.00	-22.82	QP
6 *	803.7567	25.37	0.34	25.71	46.00	-20.29	QP

* Indicates the worst data.

Temperature:	22.1°C	Relative Humidity:	54%RH
Pressure:	101 kpa	Test Voltage:	DC 3.85V
Test Mode:	Mode 3	Polarization:	Vertical



Remark:

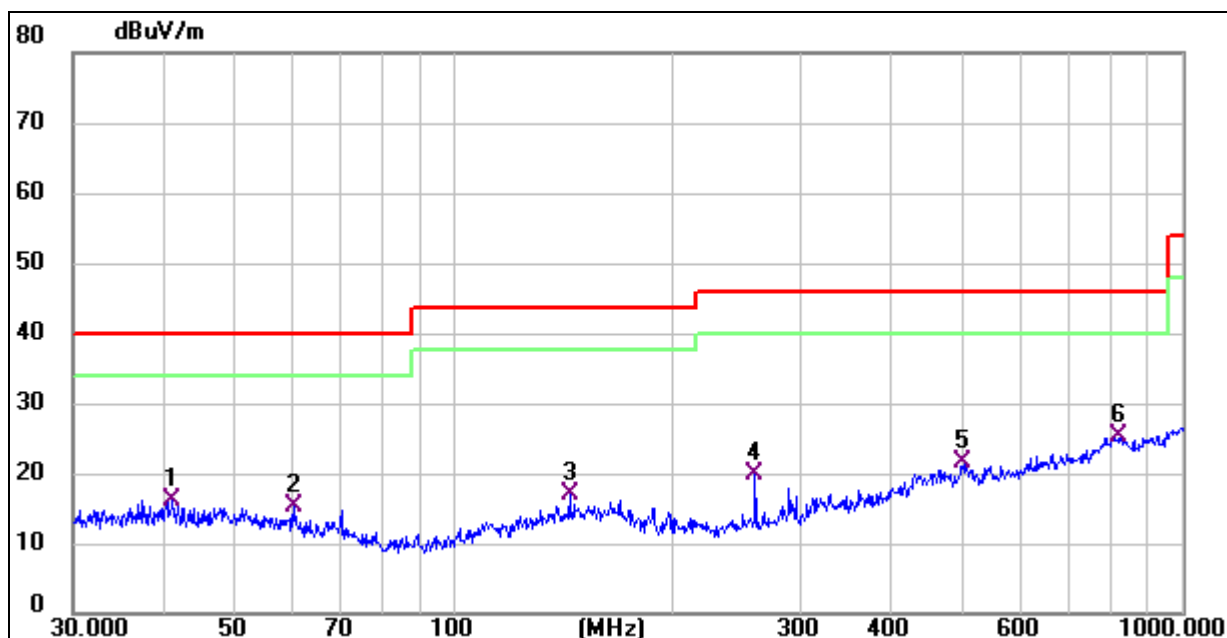
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Margin = (Reading + Factor) – Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.8571	28.94	-11.48	17.46	40.00	-22.54	QP
2	69.3731	27.41	-12.99	14.42	40.00	-25.58	QP
3	100.5689	29.46	-14.11	15.35	43.50	-28.15	QP
4	156.6224	26.54	-10.02	16.52	43.50	-26.98	QP
5	498.8996	26.85	-5.50	21.35	46.00	-24.65	QP
6 *	948.3175	25.69	0.63	26.32	46.00	-19.68	QP

* Indicates the worst data.

Temperature:	22.1℃	Relative Humidity:	54%RH
Pressure:	101 kPa	Test Voltage:	DC 3.85V
Test Mode:	Mode 4	Polarization:	Horizontal



Remark:

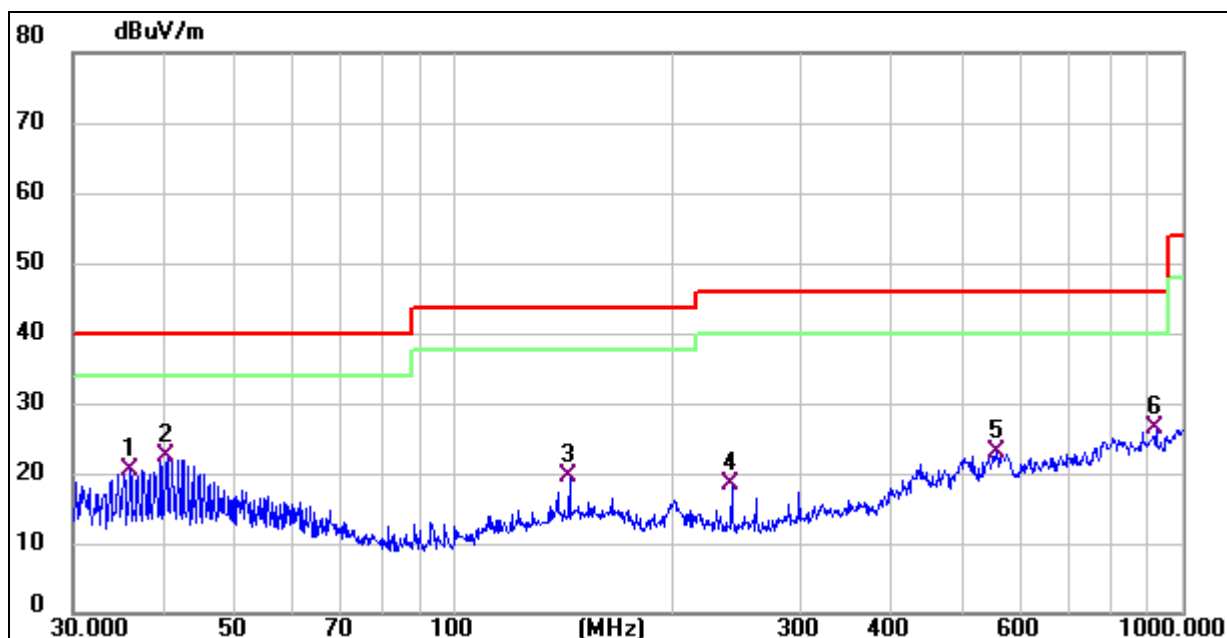
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Margin = (Reading + Factor) – Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	40.9977	26.92	-10.78	16.14	40.00	-23.86	QP
2	60.4212	27.19	-11.87	15.32	40.00	-24.68	QP
3	144.0314	27.69	-10.61	17.08	43.50	-26.42	QP
4	259.1732	31.88	-12.10	19.78	46.00	-26.22	QP
5	501.7652	27.01	-5.41	21.60	46.00	-24.40	QP
6 *	823.7299	25.18	0.16	25.34	46.00	-20.66	QP

* Indicates the worst data.

Temperature:	22.1℃	Relative Humidity:	54%RH
Pressure:	101 kpa	Test Voltage:	DC 3.85V
Test Mode:	Mode 4	Polarization:	Vertical



Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Margin = (Reading + Factor) – Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	35.9417	31.97	-11.45	20.52	40.00	-19.48	QP
2 *	40.3181	33.17	-10.86	22.31	40.00	-17.69	QP
3	144.0146	30.20	-10.60	19.60	43.50	-23.90	QP
4	240.1838	30.77	-12.31	18.46	46.00	-27.54	QP
5	555.4094	28.42	-5.36	23.06	46.00	-22.94	QP
6	921.3304	25.87	0.49	26.36	46.00	-19.64	QP

* Indicates the worst data.

8. 20dB Bandwidth Test

1. Set RBW = 1%~5% OBW.
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission.

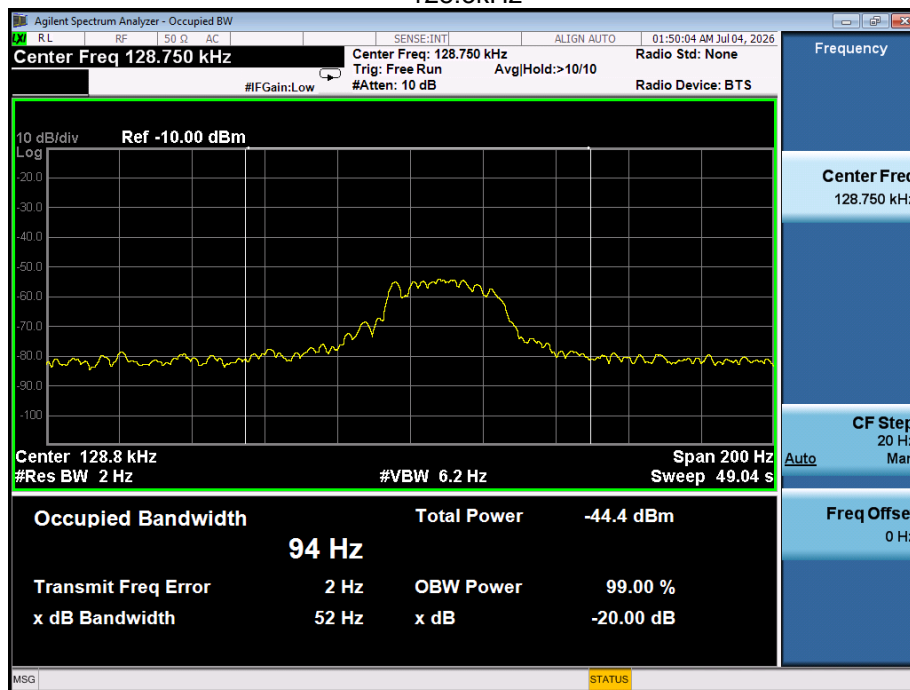
TEST SETUP



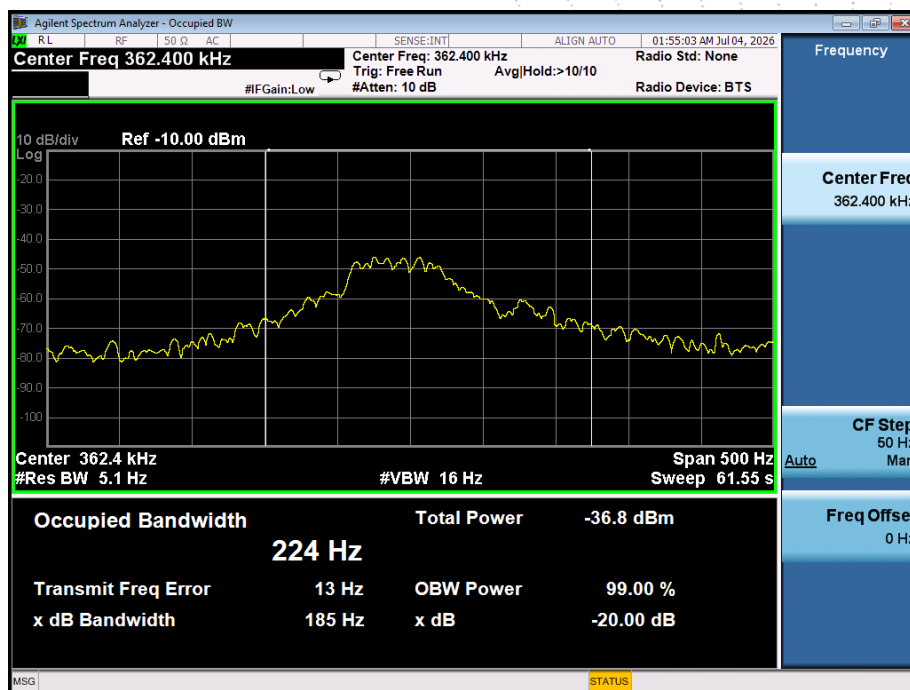
Temperature:	26 °C	Relative Humidity:	54%RH
Pressure:	101kPa		

Frequency (kHz)	20dB bandwidth (kHz)	Result
128.8	0.052	Pass
362.4	0.185	Pass

128.3kHz



362.9kHz



9. Antenna Requirements

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. 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. The antenna used for this product is Inductive loop coil antenna.

10. EUT Test Setup Photographs

Conducted Measurement Photos



NO
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Radiated Measurement Photos



STATEMENT

1. The equipment lists are traceable to the International System of Units (SI)
2. The test report can not be partially copied unless prior written approval is issued from our lab.
3. The test report is invalid without the "special seal for inspection and testing".
4. The test report is invalid without the signature of the approver.
5. The test process and test result is only related to the Unit Under Test.
6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.
7. The quality system of our laboratory is in accordance with ISO/IEC 17025:2017.
8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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***** END *****