

TEST REPORT

Report No.: BCTC2306253894-1E

Applicant: Sharge Technology (Shenzhen) Co., LTD

Product Name: SHARGE ICEMAG POWER BANK 10000mAh

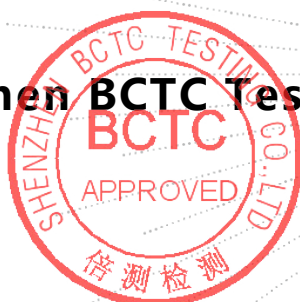
Model/Type
reference: SP020A

Tested Date: 2023-07-01 to 2023-07-11

Issued Date: 2023-07-11



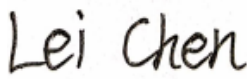
Shenzhen BCTC Testing Co., Ltd.



FCC ID: 2BB2Z-SP020A

Product Name: SHARGE ICEMAG POWER BANK 10000mAh
Trademark: SHARGE
Model/Type reference: SP020A
Prepared For: Sharge Technology (Shenzhen) Co., LTD
Address: Room 305, floor 3, xinzhongtai Industrial Park, building 3, Hengfeng community, Yousong community, Longhua street, Longhua District, Shenzhen, China
Manufacturer: Sharge Technology (Shenzhen) Co., LTD
Address: Room 305, floor 3, xinzhongtai Industrial Park, building 3, Hengfeng community, Yousong community, Longhua street, Longhua District, Shenzhen, China
Prepared By: Shenzhen BCTC Testing Co., Ltd.
Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China.
Sample Received Date: 2023-07-01
Sample tested Date: 2023-07-01 to 2023-07-11
Issue Date: 2023-07-11
Report No.: BCTC2306253894-1E
Test Standards: FCC Part15.209
ANSI C63.10-2013
Test Results: PASS

Tested by:



Lei Chen/Project Handler

Approved by:



Zero Zhou/Reviewer

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(Note: N/A Means Not Applicable)

1. Version

Report No.	Issue Date	Description	Approved
BCTC2306253894-1E	2023-07-11	Original	Valid

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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



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. 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=4.3dB
3	Conducted Emission (150kHz-30MHz)	U=3.2dB
4	humidity uncertainty	U=5.3%
5	Temperature uncertainty	U=0.59°C

CO., LTD.

4. Product Information And Test Setup

4.1 Product Information

Model/Type reference: SP020A
 Model differences: N/A
 Hardware Version: N/A
 Software Version: N/A
 Operation Frequency: 115kHz-205kHz
 Modulation type: ASK
 Antenna installation: loop coil antenna
 Ratings: USB-C Input: DC 5V/3A, 9V/2A
 USB-C Output: DC 5V/2.4A, 9V/2.22A, 12V/1.67A
 Wireless charging Output: 5W, 7.5W
 Battery: DC 3.7V

4.2 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	SHARGE ICEMAG POWER BANK 10000mAh	SHARGE SHARGE	SP020A	N/A	EUT
E-2	Adapter	---	CD122	---	Auxiliary
E-3	Dummy load	N/A	DL02	N/A	Auxiliary

Notes:

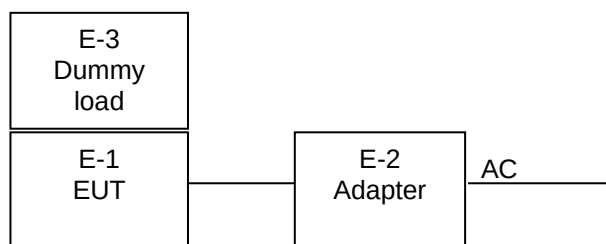
1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4.3 Test Setup Configuration

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

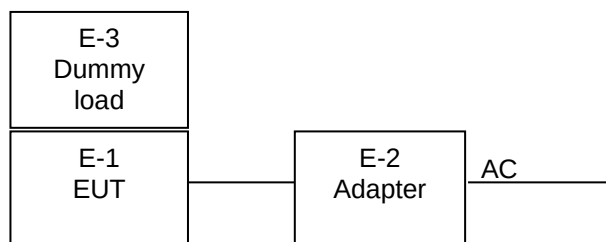
Conducted Emission:

Test Mode 1-2

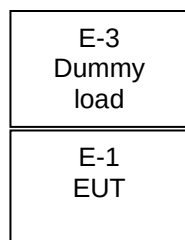


Radiated Spurious Emission:

Test Mode 1-2



Test Mode 3-4



4.5 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 configuration mode(s) mentioned above was evaluated respectively.

Mode 1	Charging+ Wireless charging 5W
Mode 2	Charging+ Wireless charging 7.5W
Mode 3	Wireless charging 5W
Mode 4	Wireless charging 7.5W

All test mode were tested and passed, only shows the worst case mode which were recorded in this report.

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 Testing Co., Ltd. Address:1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

FCC Test Firm Registration Number: 712850

FCC Designation Number: CN1212

ISED Registered No.: 23583

ISED CAB identifier: CN0017

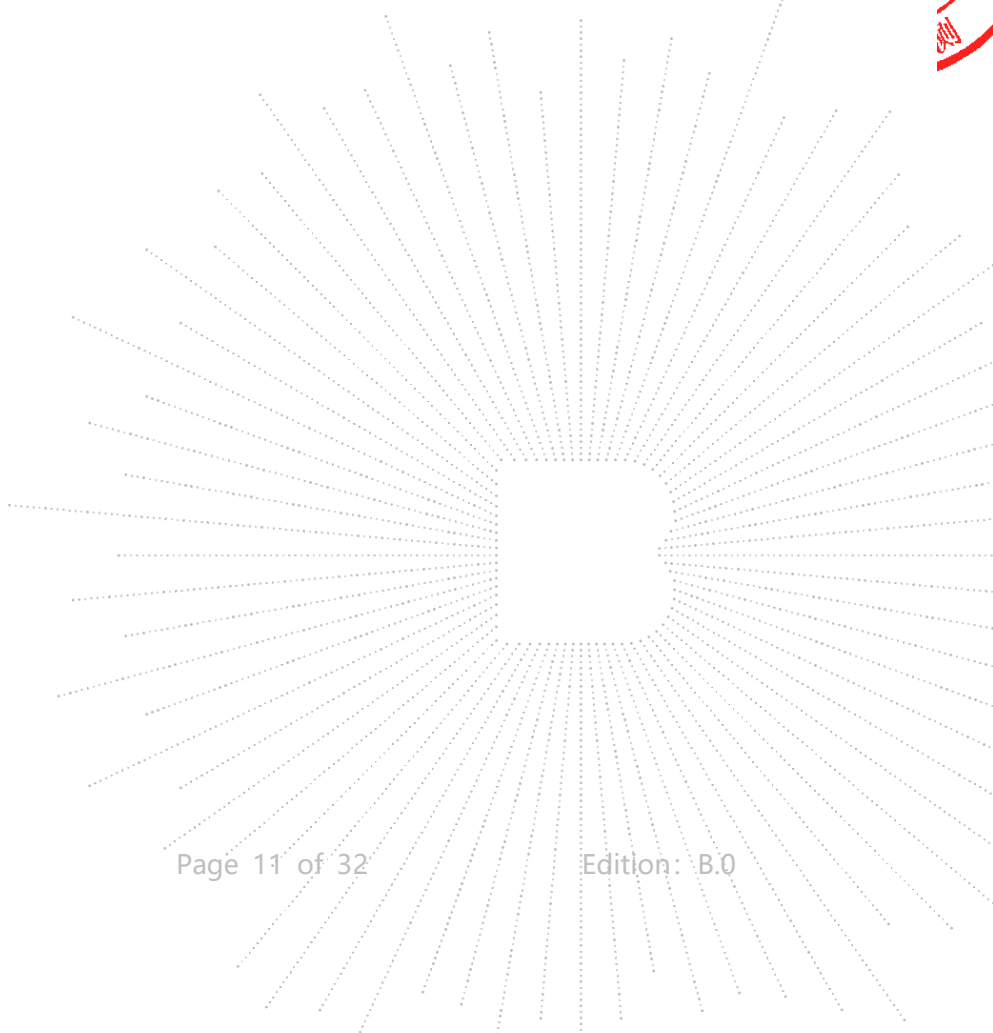
5.2 Test Instrument Used

Conducted Emissions Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Receiver	R&S	ESR3	102075	May 15, 2023	May 14, 2024
LISN	R&S	ENV216	101375	May 15, 2023	May 14, 2024
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\
Attenuator	\	10dB DC-6GHz	1650	May 15, 2023	May 14, 2024

RF Conducted Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Power Meter	Keysight	E4419	\	May 15, 2023	May 14, 2024
Power Sensor (AV)	Keysight	E9300A	\	May 15, 2023	May 14, 2024
Signal Analyzer 20kHz-26.5G Hz	Keysight	N9020A	MY49100060	May 15, 2023	May 14, 2024
Spectrum Analyzer 9kHz-40GHz	R&S	FSP 40	\	May 15, 2023	May 14, 2024

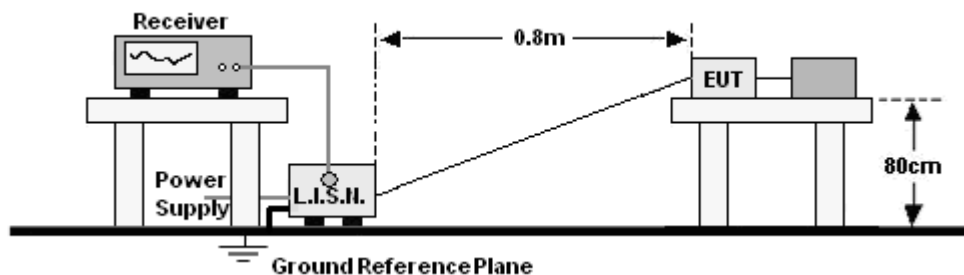
Radiated Emissions Test (966 Chamber01)					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
966 chamber	ChengYu	966 Room	966	May 15, 2023	May 14, 2026
Receiver	R&S	ESR3	102075	May 15, 2023	May 14, 2024
Receiver	R&S	ESRP	101154	May 15, 2023	May 14, 2024
Amplifier	Schwarzbeck	BBV9744	9744-0037	May 15, 2023	May 14, 2024
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	942	May 29, 2023	May 28, 2024
Loop Antenna(9KHz -30MHz)	Schwarzbeck	FMZB1519B	00014	May 31, 2023	May 30, 2024
Amplifier	SKET	LAPA_01G18 G-45dB	\	May 15, 2023	May 14, 2024
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 31, 2023	May 30, 2024
Amplifier(18G Hz-40GHz)	MITEQ	TTA1840-35-HG	2034381	May 15, 2023	May 14, 2024
Horn Antenn(18GHz-40GHz)	Schwarzbeck	BBHA9170	00822	May 31, 2023	May 30, 2024
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 15, 2023	May 14, 2024
Software	Frad	EZ-EMC	FA-03A2 RE	\	\

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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

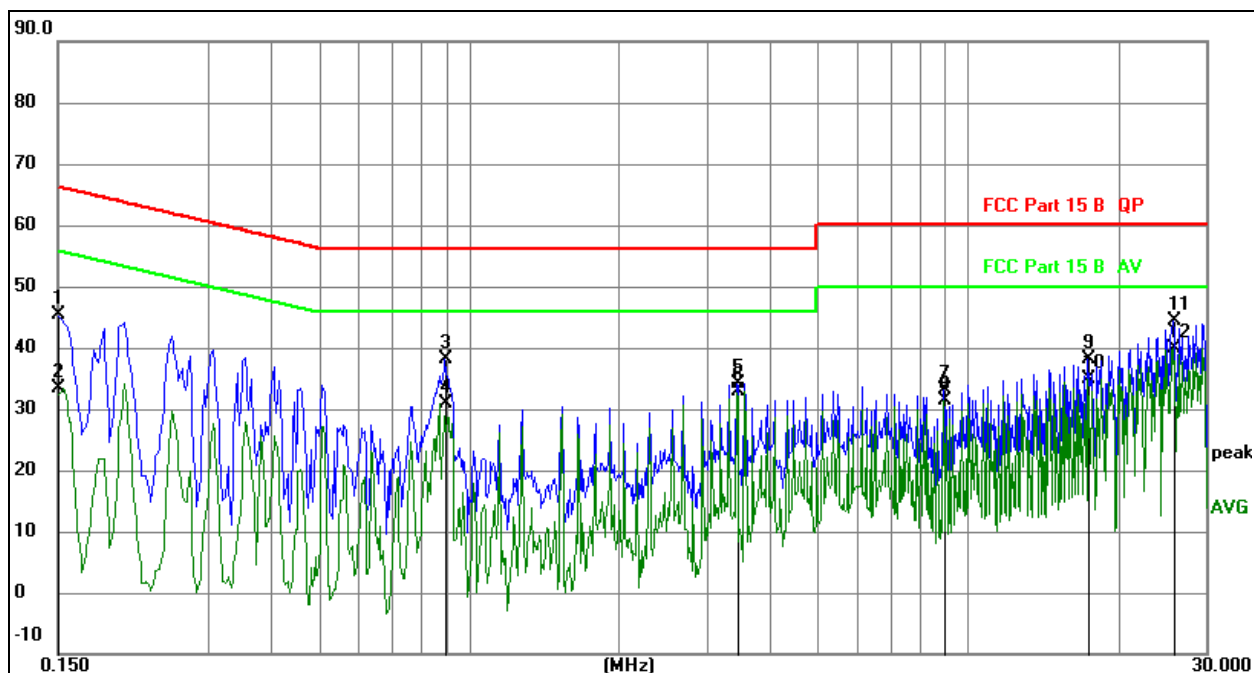
- The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
- The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak 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:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	L
Test Mode:	Mode 2 (the worst mode)	Test Voltage:	AC 120V/60Hz

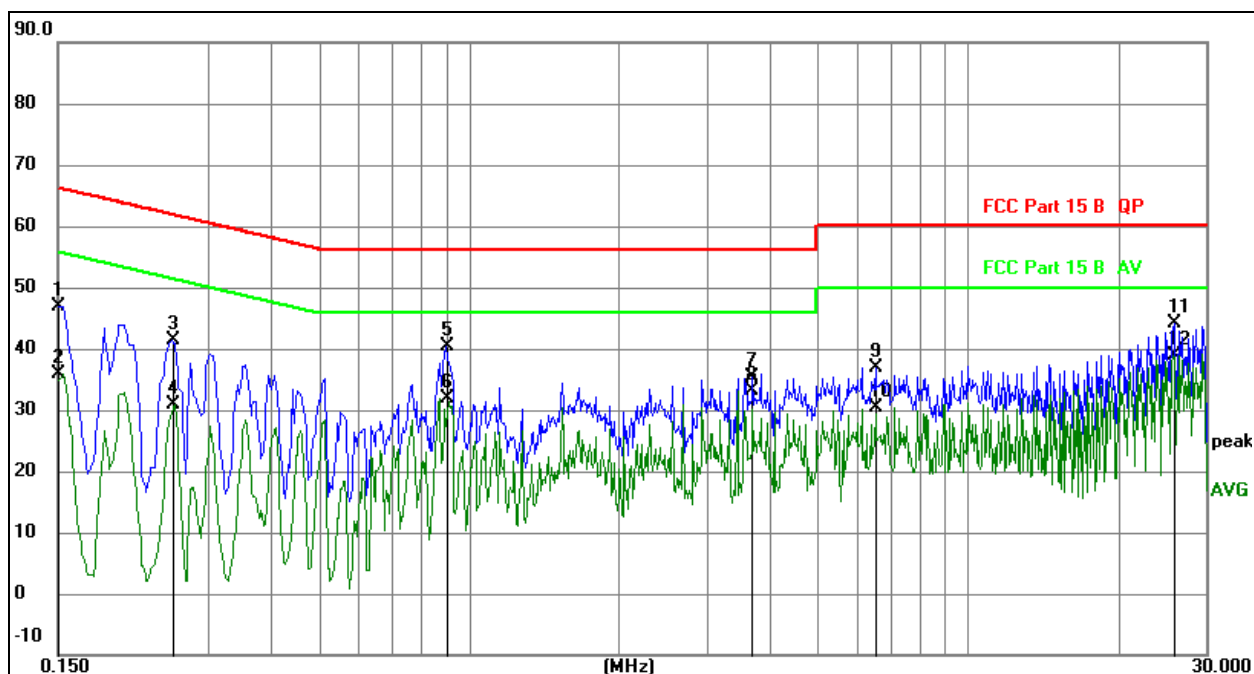


Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement = Reading Level + Correct Factor
4. Over = Measurement - Limit

No.	Mk.	Freq. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1500	35.86	9.51	45.37	66.00	-20.63	QP
2		0.1500	23.98	9.51	33.49	56.00	-22.51	AVG
3		0.8969	28.40	9.69	38.09	56.00	-17.91	QP
4		0.8969	21.14	9.69	30.83	46.00	-15.17	AVG
5		3.4530	24.21	9.81	34.02	56.00	-21.98	QP
6		3.4530	23.15	9.81	32.96	46.00	-13.04	AVG
7		8.9565	23.35	9.69	33.04	60.00	-26.96	QP
8		8.9565	21.62	9.69	31.31	50.00	-18.69	AVG
9		17.4120	28.35	9.72	38.07	60.00	-21.93	QP
10		17.4120	25.25	9.72	34.97	50.00	-15.03	AVG
11		25.8540	34.65	9.73	44.38	60.00	-15.62	QP
12	*	25.8540	30.14	9.73	39.87	50.00	-10.13	AVG

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	N
Test Mode:	Mode 2 (the worst mode)	Test Voltage:	AC 120V/60Hz



Remark:

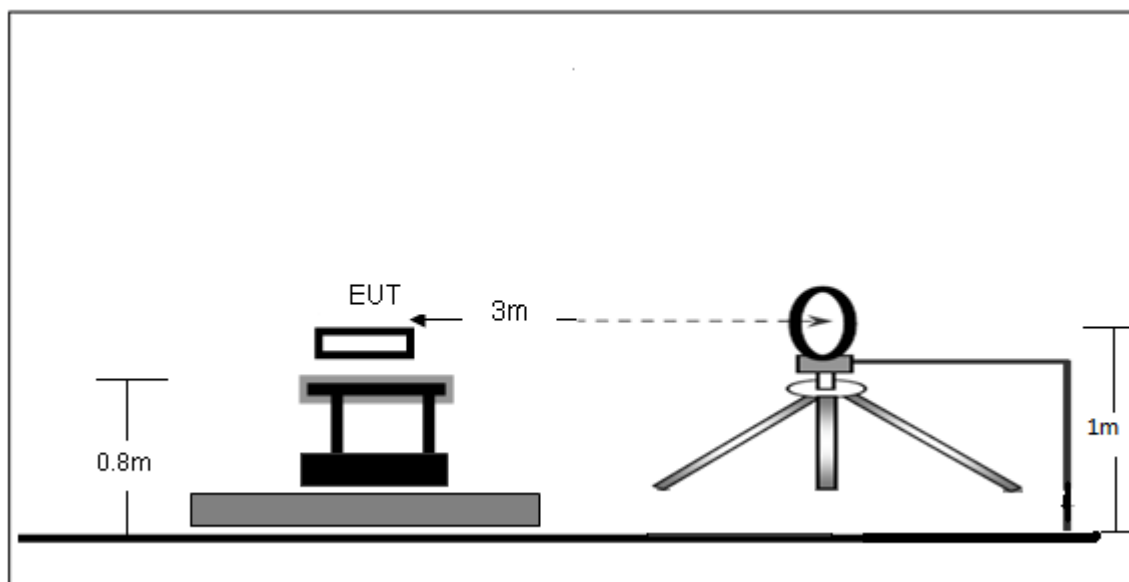
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement = Reading Level + Correct Factor
4. Over = Measurement - Limit

No.	Mk.	Freq. MHz	Reading Level dB	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1500	37.41	9.51	46.92	66.00	-19.08	QP
2		0.1500	26.36	9.51	35.87	56.00	-20.13	AVG
3		0.2535	31.75	9.61	41.36	61.64	-20.28	QP
4		0.2535	21.36	9.61	30.97	51.64	-20.67	AVG
5		0.8992	30.68	9.69	40.37	56.00	-15.63	QP
6		0.8992	22.28	9.69	31.97	46.00	-14.03	AVG
7		3.7001	25.60	9.82	35.42	56.00	-20.58	QP
8		3.7001	23.37	9.82	33.19	46.00	-12.81	AVG
9		6.5227	27.12	9.76	36.88	60.00	-23.12	QP
10		6.5227	20.54	9.76	30.30	50.00	-19.70	AVG
11		25.8638	34.34	9.73	44.07	60.00	-15.93	QP
12	*	25.8638	29.22	9.73	38.95	50.00	-11.05	AVG

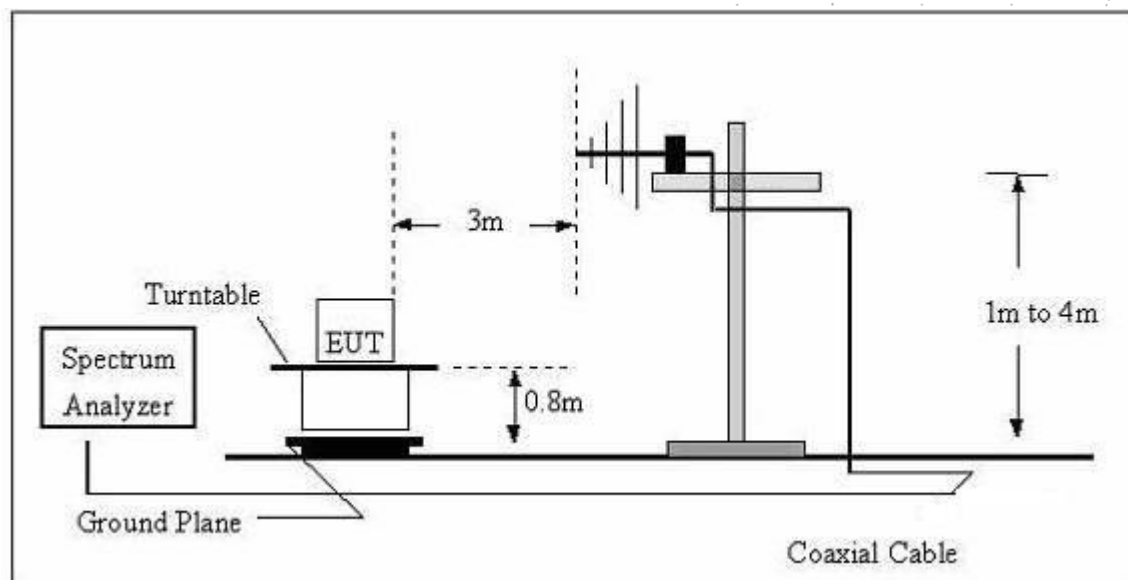
7. Radiated Emissions

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.

Test Standard	FCC Part15 C Section 15.209 and 15.205				
Test Limit	Frequency (MHz)	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz~0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz~1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz~30MHz	30	-	-	30
	30MHz~88MHz	100	40.0	Quasi-peak	3
	88MHz~216MHz	150	43.5	Quasi-peak	3
	216MHz~960MHz	200	46.0	Quasi-peak	3
	960MHz~1000MHz	500	54.0	Quasi-peak	3
	Above 1000MHz	500	54.0	Average	3
		-	74.0	Peak	3

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 30MHz 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, The antenna installation height is determined by the antenna center being 1 meters above the ground.
- The antenna center height is 1 meters above the ground to determine the maximum value of the field strength. Measurements shall be performed with the loop antenna placed vertically, in turn, in two polarizations (the measurement axis specified below is the line segment connecting the projections on the ground plane of the centre of the loop antenna and the centre of the EUT arrangement):
 - coaxial (loop plane perpendicular to the ground plane and to the measurement axis);
 - coplanar (loop plane perpendicular to the ground plane and coplanar with the measurement axis).
- For each suspected emission, the EUT was arranged to its worst case , 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.

30M-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 camber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. 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.

d. 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.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. 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.

Above 1GHz test procedure as below:

g. 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).

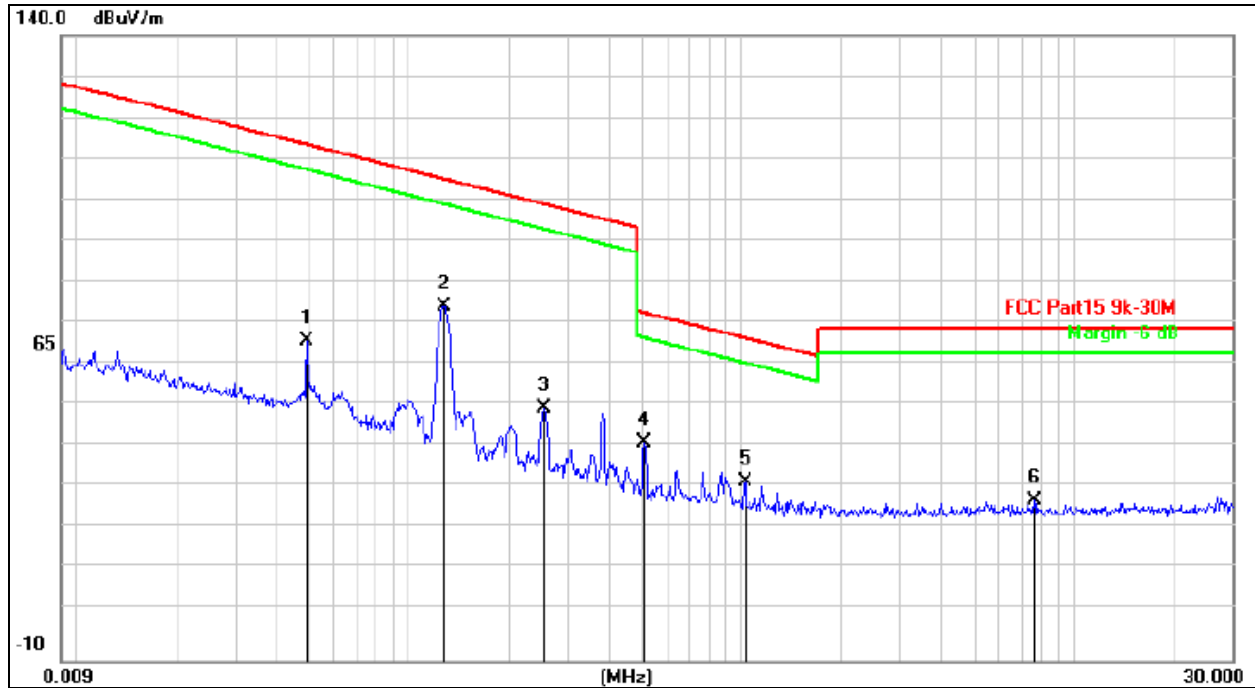
Note: Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

7.4 Test Result

All test mode were tested and passed, only the worst-case charging case discharge patterns recorded in this report are shown

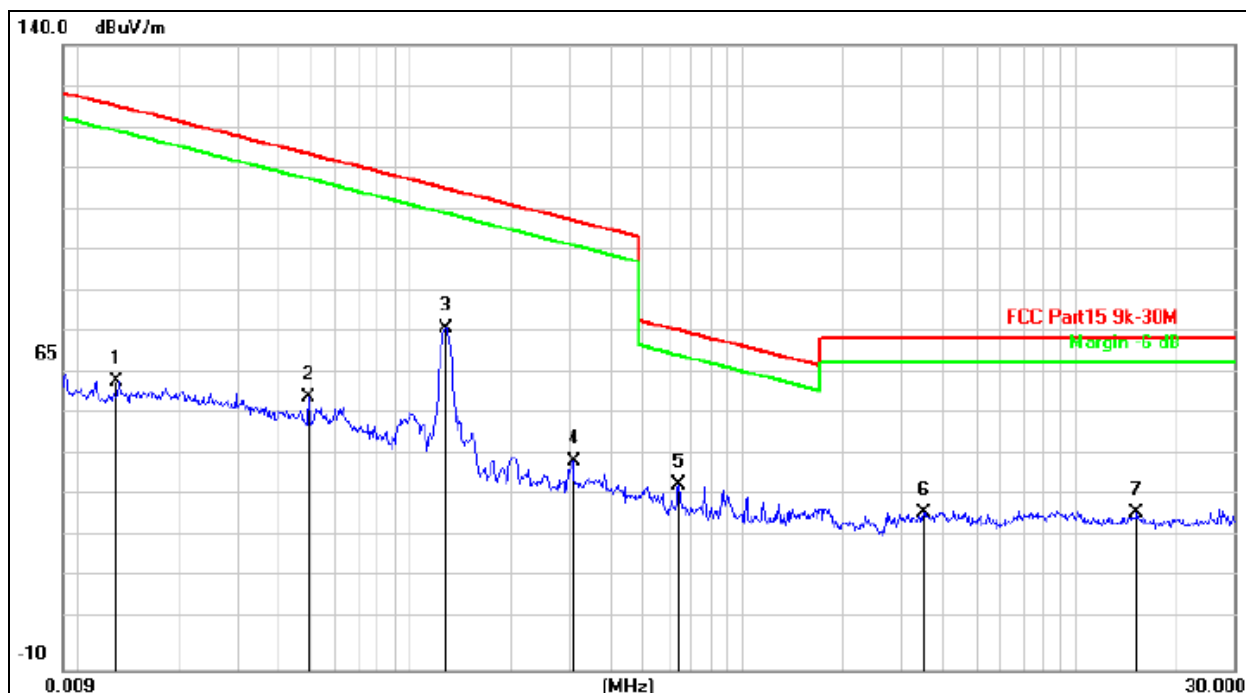
9kHz-30MHz

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 2	Polarization:	Coaxial



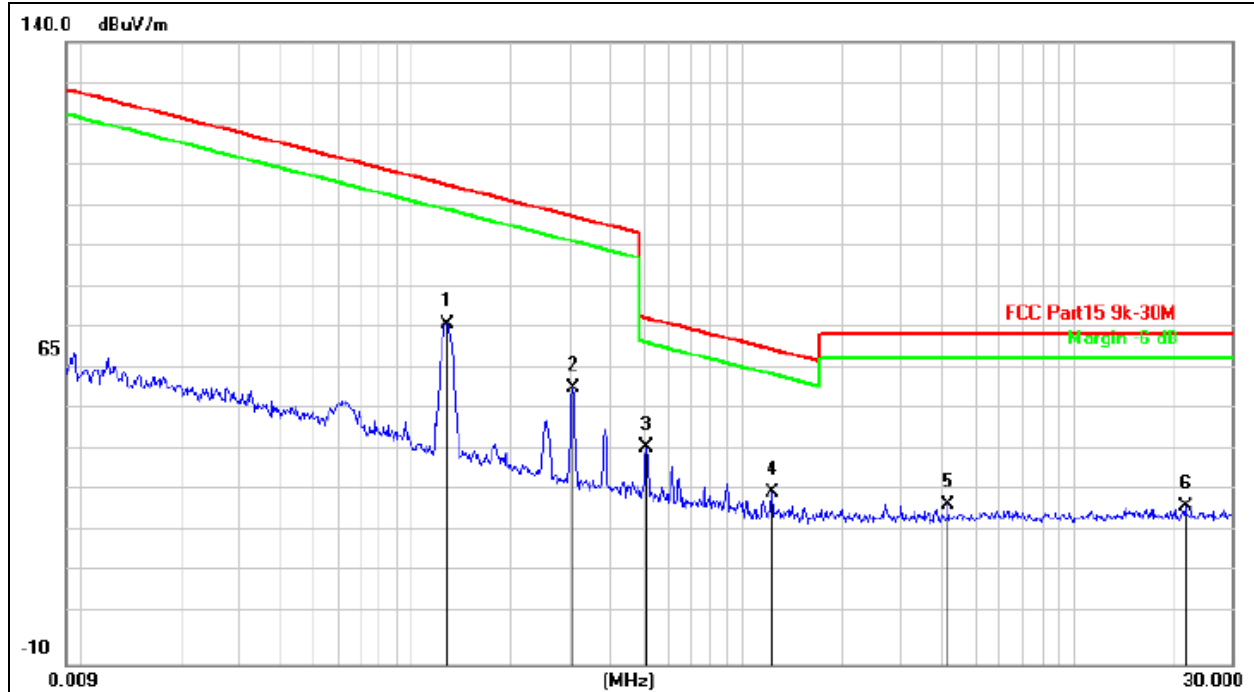
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		0.0494	77.51	-10.65	66.86	113.7	-46.87	peak
2	*	0.1276	85.04	-10.11	74.93	105.4	-30.56	peak
3		0.2566	60.99	-10.28	50.71	99.42	-48.71	peak
4		0.5113	52.44	-10.26	42.18	73.43	-31.25	peak
5		1.0271	43.35	-10.23	33.12	67.39	-34.27	peak
6		7.6165	38.08	-9.61	28.47	69.54	-41.07	peak

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 2	Polarization:	Coplanar



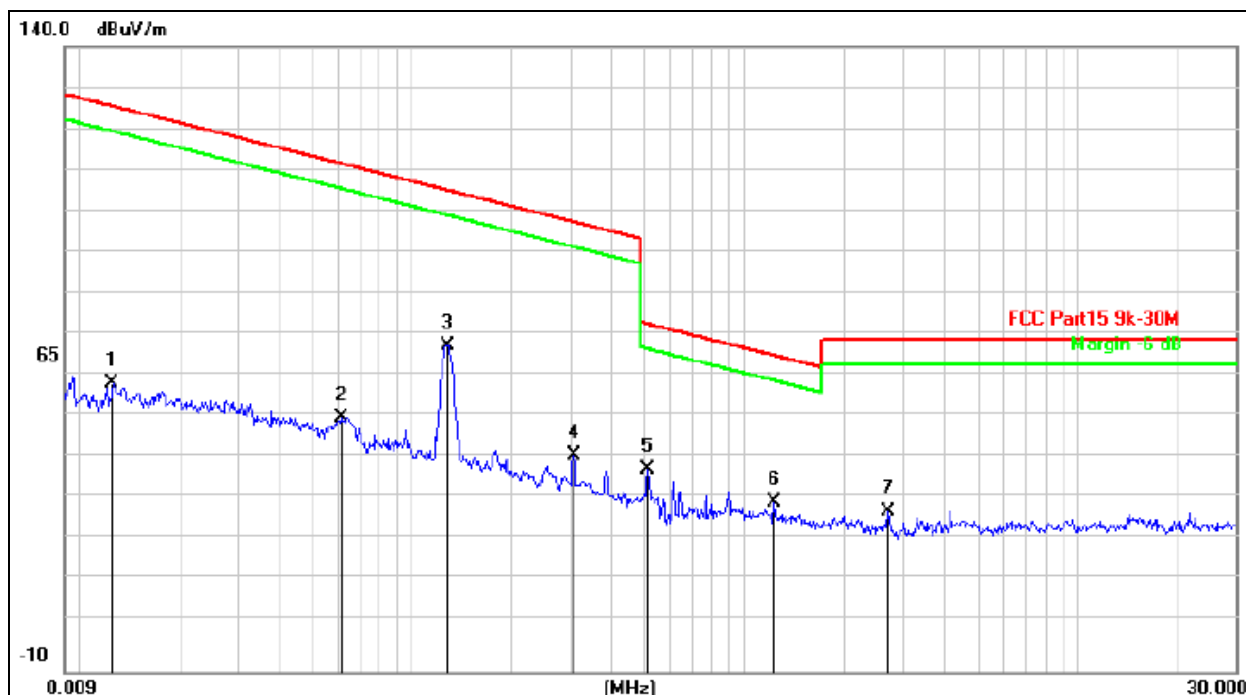
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		0.0131	69.57	-10.47	59.10	125.2	-66.16	peak
2		0.0492	66.01	-10.65	55.36	113.7	-58.41	peak
3	*	0.1277	82.04	-10.11	71.93	105.4	-33.55	peak
4		0.3090	50.21	-10.28	39.93	97.80	-57.87	peak
5		0.6414	44.66	-10.26	34.40	71.47	-37.07	peak
6		3.4958	37.73	-9.88	27.85	69.54	-41.69	peak
7		15.3010	36.74	-9.09	27.65	69.54	-41.89	peak

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 4	Polarization:	Coaxial



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		0.1276	81.97	-10.11	71.86	105.4	-33.63	peak
2		0.3067	66.77	-10.28	56.49	97.87	-41.38	peak
3	*	0.5113	52.47	-10.26	42.21	73.43	-31.22	peak
4		1.2276	41.81	-10.22	31.59	65.85	-34.26	peak
5		4.1789	38.02	-9.69	28.33	69.54	-41.21	peak
6		21.6873	37.29	-9.18	28.11	69.54	-41.43	peak

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 4	Polarization:	Coplanar

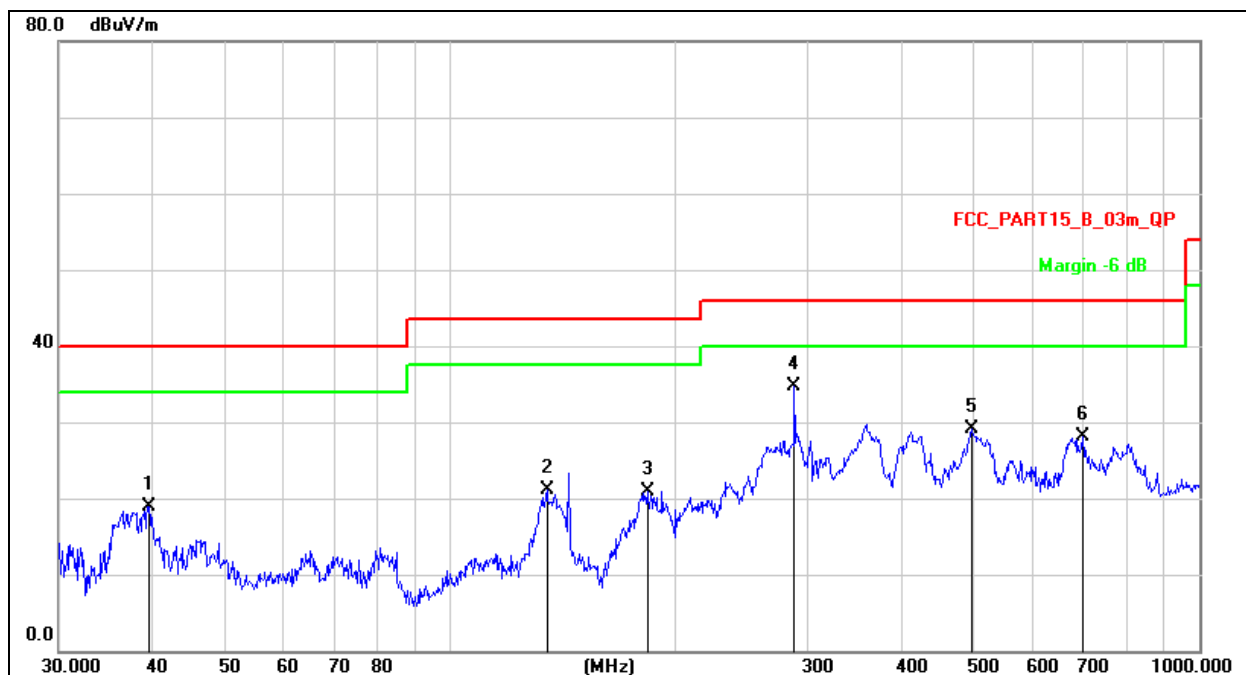


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		0.0126	69.72	-10.45	59.27	125.6	-66.33	peak
2		0.0609	61.65	-10.60	51.05	111.9	-60.86	peak
3		0.1277	78.47	-10.11	68.36	105.4	-37.12	peak
4		0.3066	52.27	-10.28	41.99	97.87	-55.88	peak
5	*	0.5112	48.97	-10.26	38.71	73.43	-34.72	peak
6		1.2277	40.81	-10.22	30.59	65.84	-35.25	peak
7		2.6966	38.35	-10.06	28.29	69.54	-41.25	peak

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Between 30MHz – 1GHz

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 2	Test Voltage:	AC 120V/60Hz

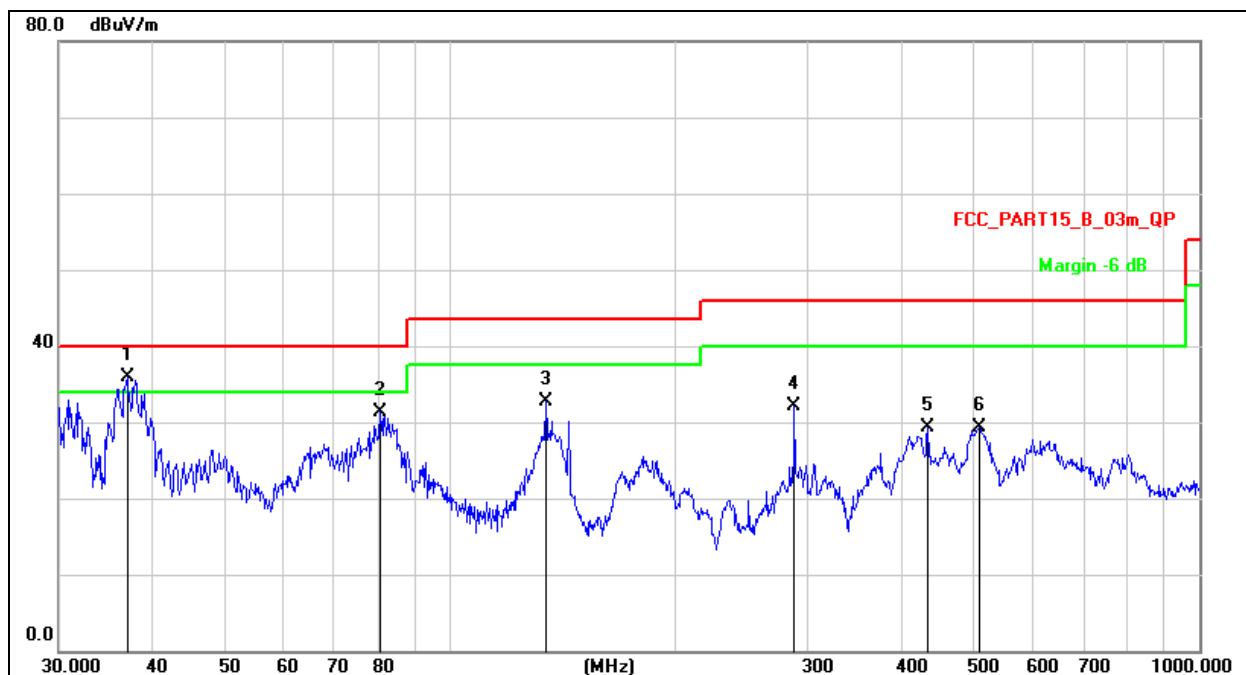


Remark:

- Factor = Antenna Factor + Cable Loss – Pre-amplifier.
- Measurement = Reading Level + Correct Factor
- Over = Measurement - Limit

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		39.5757	35.64	-16.79	18.85	40.00	-21.15	QP
2		134.5592	41.21	-20.03	21.18	43.50	-22.32	QP
3		183.2005	39.59	-18.61	20.98	43.50	-22.52	QP
4	*	287.9904	49.67	-14.88	34.79	46.00	-11.21	QP
5		495.9344	39.44	-10.35	29.09	46.00	-16.91	QP
6		699.3046	35.23	-7.20	28.03	46.00	-17.97	QP

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 2	Test Voltage:	AC 120V/60Hz

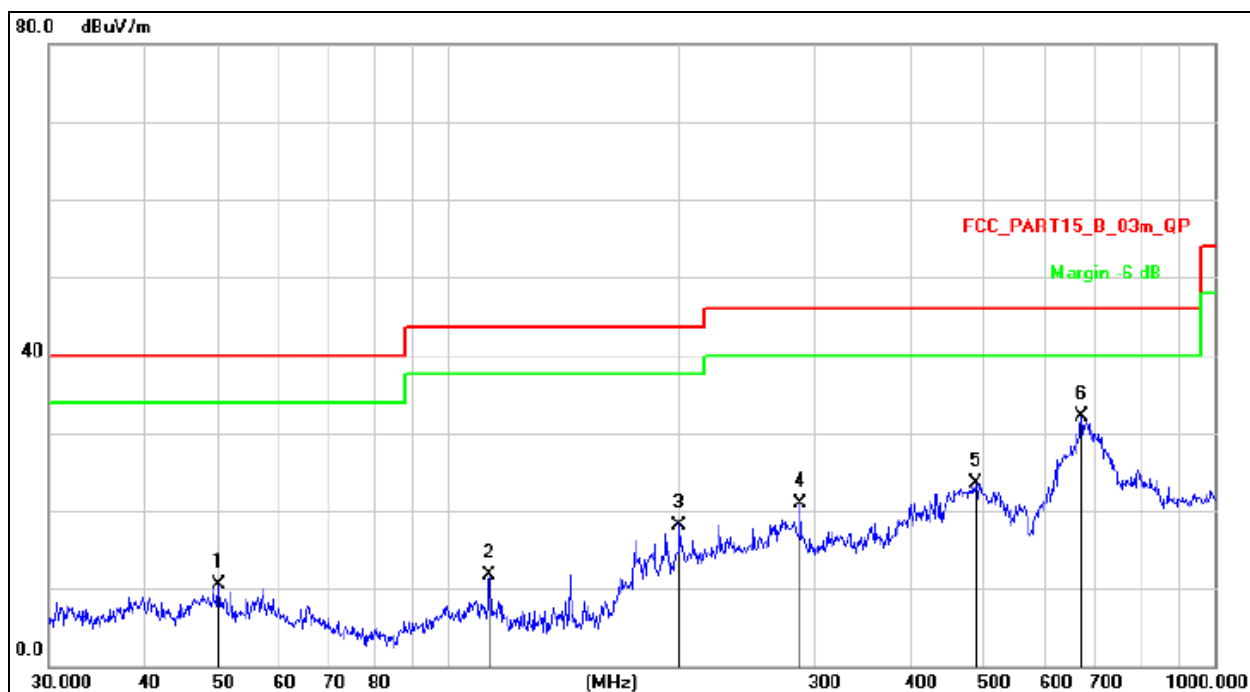


Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement = Reading Level + Correct Factor
3. Over = Measurement - Limit

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1	*	37.0248	53.18	-17.21	35.97	40.00	-4.03	QP
2		80.6442	52.69	-21.41	31.28	40.00	-8.72	QP
3		134.0882	52.71	-20.00	32.71	43.50	-10.79	QP
4		287.9904	46.90	-14.88	32.02	46.00	-13.98	QP
5		434.0651	41.06	-11.72	29.34	46.00	-16.66	QP
6		508.2582	39.44	-10.13	29.31	46.00	-16.69	QP

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 4	Test Voltage:	AC 120V/60Hz



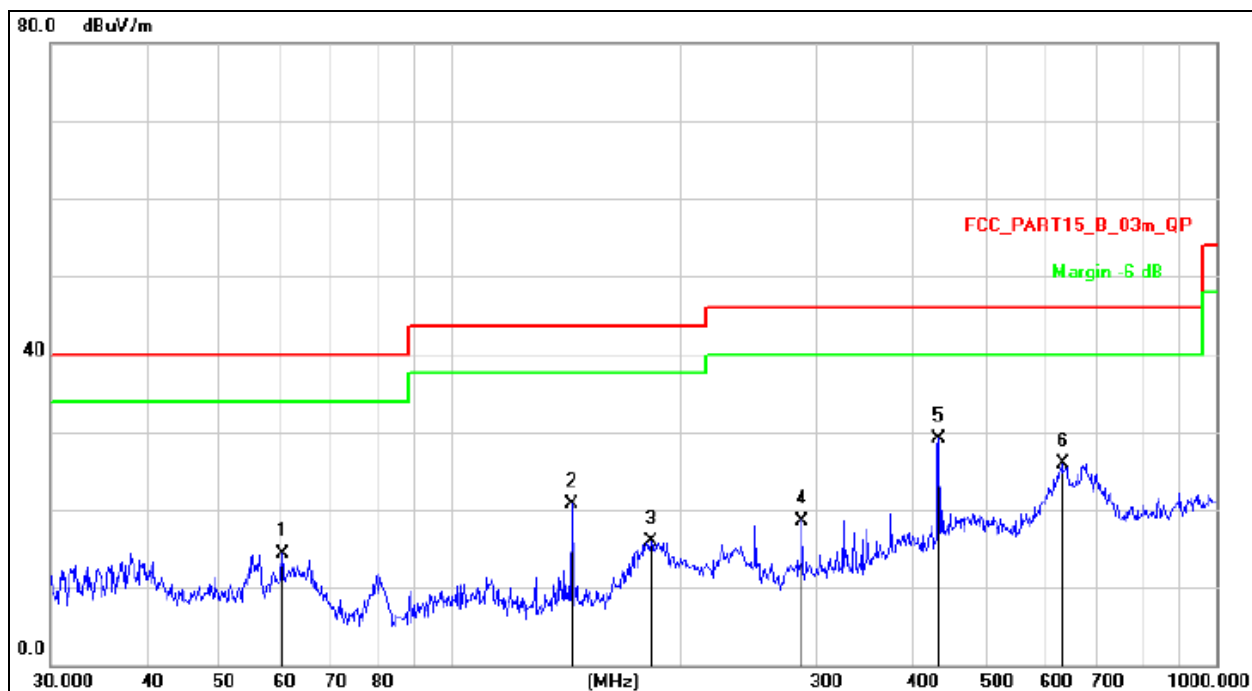
Remark:

- Factor = Antenna Factor + Cable Loss – Pre-amplifier.
- Measurement = Reading Level + Correct Factor
- Over = Measurement - Limit

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		50.0566	26.13	-15.60	10.53	40.00	-29.47	QP
2		112.9196	30.28	-18.61	11.67	43.50	-31.83	QP
3		199.9856	35.57	-17.37	18.20	43.50	-25.30	QP
4		287.9904	35.70	-14.88	20.82	46.00	-25.18	QP
5		487.3151	34.09	-10.56	23.53	46.00	-22.47	QP
6	*	670.4893	39.69	-7.49	32.20	46.00	-13.80	QP

CO.LTD

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 4	Test Voltage:	AC 120V/60Hz



Remark:

- Factor = Antenna Factor + Cable Loss – Pre-amplifier.
- Measurement = Reading Level + Correct Factor
- Over = Measurement - Limit

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		60.2801	31.48	-17.17	14.31	40.00	-25.69	QP
2		143.8295	41.28	-20.64	20.64	43.50	-22.86	QP
3		182.5592	34.49	-18.65	15.84	43.50	-27.66	QP
4		287.9904	33.48	-14.88	18.60	46.00	-27.40	QP
5	*	434.0651	40.77	-11.72	29.05	46.00	-16.95	QP
6		629.4772	33.85	-7.99	25.86	46.00	-20.14	QP

8. Bandwidth Test

8.1 Test Procedure

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.

8.2 Test Setup



8.3 Test Result

Frequency (kHz)	20dB bandwidth (Hz)	Result
127.6	146	Pass



9. Antenna Requirements

9.1 Limit

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.

9.2 Test Result

The antenna used for this product is Inductive coil antenna.

10. EUT Photographs

EUT Photo 1



EUT Photo 2



NOTE: Appendix-Photographs Of EUT Constructional Details

11. EUT Test Setup Photographs

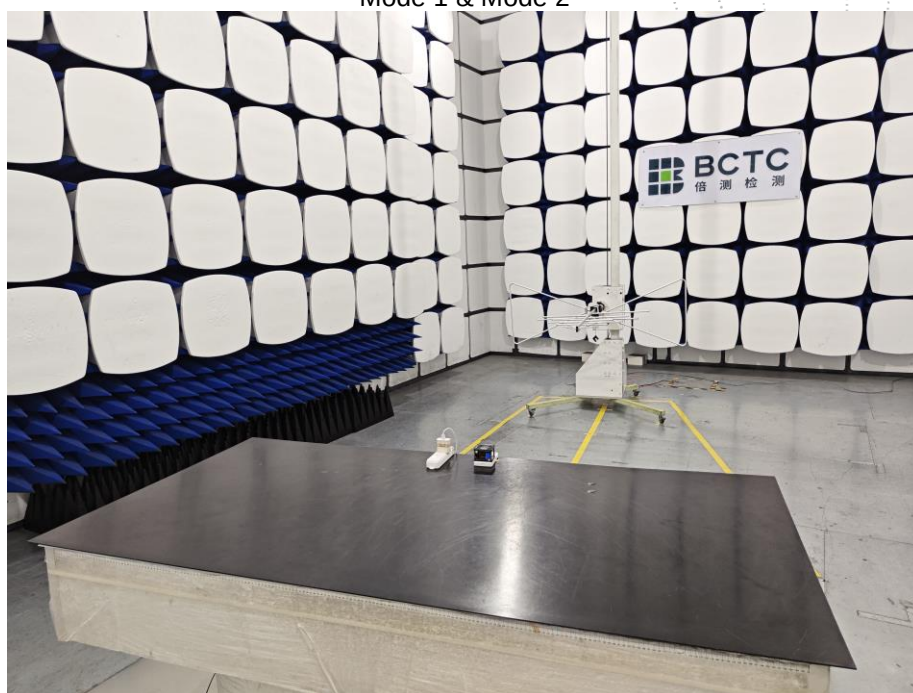
Conducted emissions

Mode 1 & Mode 2

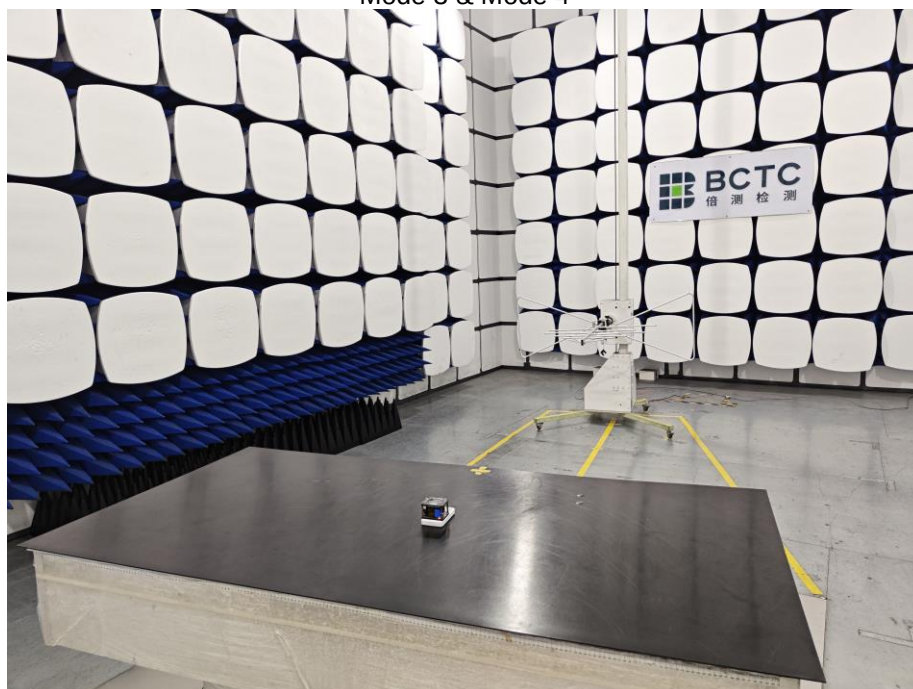


Radiated Measurement Photos
30MHz-1GHz

Mode 1 & Mode 2



Mode 3 & Mode 4

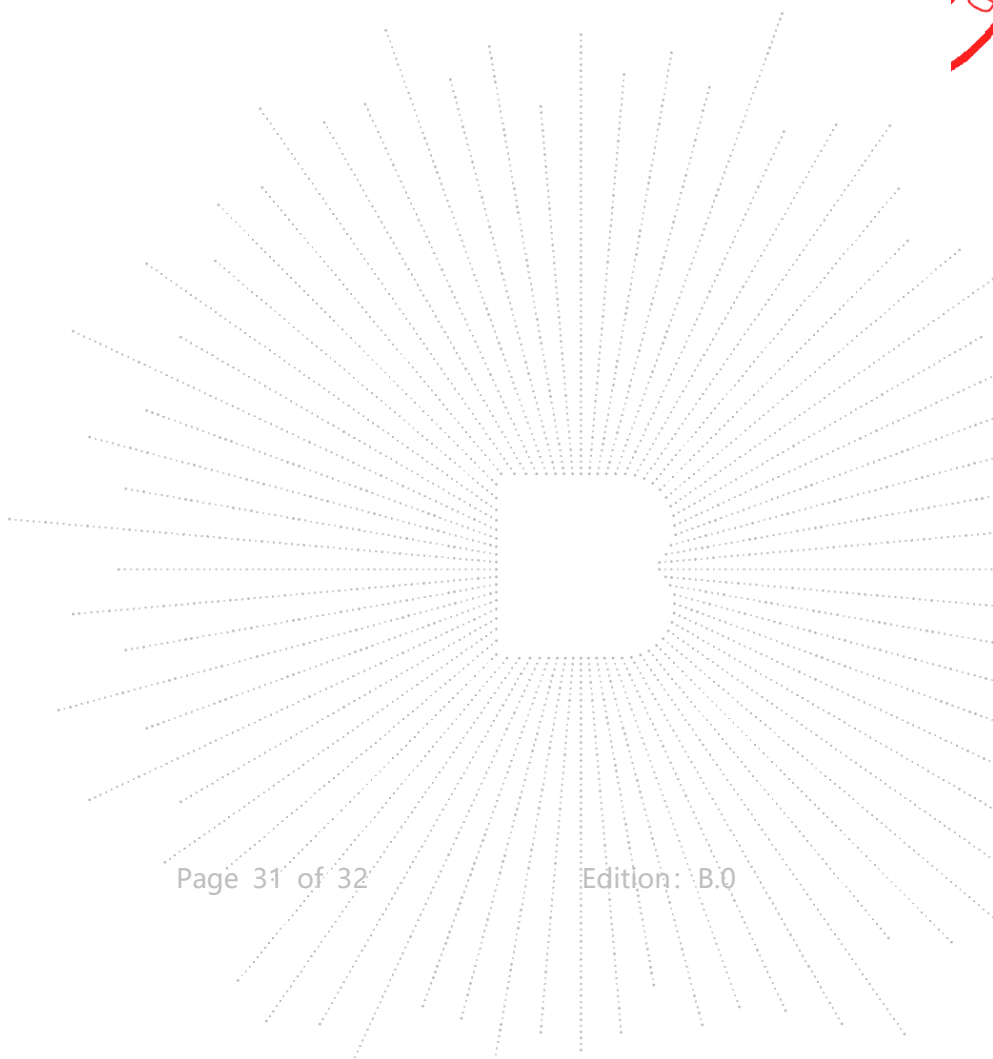
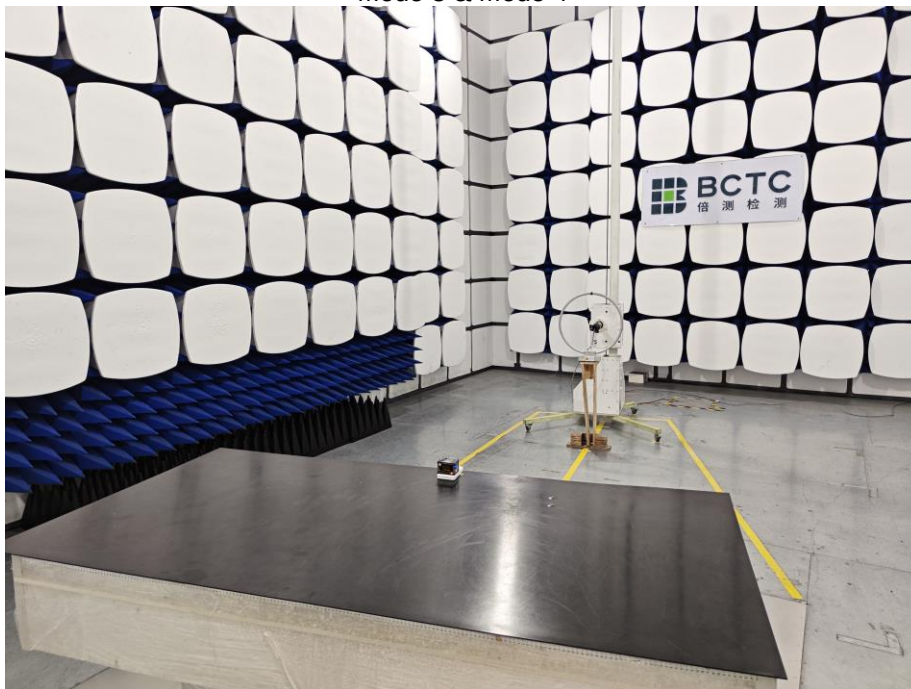


9kHz-30MHz

Mode 1 & Mode 2



Mode 3 & Mode 4



STATEMENT

1. The equipment lists are traceable to the national reference standards.
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/IEC17025.
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.

Address:

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******* END *******