

TEST REPORT

Report No.: BCTC2312209790-1E

Applicant: Shenzhen Baseus Technology Co., Ltd.

Product Name: Power Bank

Test Model: PPCXM10A

Tested Date: 2023-12-22 to 2023-12-25

Issued Date: 2024-01-02

Shenzhen BCTC Testing Co., Ltd.



No.: BCTC/RF-EMC-005 Page 1/of 29 / / / Edition: B.



FCC ID: 2A482-PPCXM10C

Product Name: Power Bank

Trademark: baseus

Model/Type Reference: PPCXM10A

Prepared For: Shenzhen Baseus Technology Co., Ltd.

Address: 2nd Floor, Building B, Baseus Intelligence Park, No.2008, Xuegang Rd, Gangtou

Community, Bantian Street, Longgang District, Shenzhen, China

Manufacturer: Shenzhen Baseus Technology Co., Ltd.

Address: 2nd Floor, Building B, Baseus Intelligence Park, No.2008, Xuegang Rd, Gangtou

Community, Bantian Street, Longgang 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: 2023-12-22

Sample Tested Date: 2023-12-22 to 2023-12-25

Issue Date: 2024-01-02

Report No.: BCTC2312209790-1E

Test Standards: FCC Part15.209 ANSI C63.10-2013

Test Results: PASS

Tested by:

Shanshan . Zhang

Shanshan. Zhang / Project Handler

Approved by:

Zero Zhou/Reviewer

The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Testing Co., Ltd, this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client.

No.: BCTC/RF-EMC-005

Page 2 of 29

Edition: B.1



Table Of Content

Tes	t Report Declaration	Page
1.	Version	4
2.	Test Summary	5
3.	Measurement Uncertainty	6
4.	Product Information And Test Setup	7
4.1	Product Information	7
4.2	Support Equipment	7
4.3	Test Setup Configuration	8
4.4	Test Mode	9
5.	Test Facility And Test Instrument Used	10
5.1	Test Facility	
5.2	Test Instrument Used	
6.	Conducted Emissions	12
6.1	Block Diagram Of Test Setup	12
6.2	Limit	
6.3	Test procedure	
6.4	EUT operating Conditions	
6.5	Test Result	
7.	Radiated Emissions	_
7.1	Block Diagram Of Test Setup	
7.2	Limit	
7.3	Test procedure	
7.4	Test Result	
8.	Bandwidth Test	
8.1	Test Procedure	
8.2	Test Setup	
8.3	Test Result	
9.	Antenna Requirements	
9.1	Limit	
9.2	Test Result	
10.	EUT Photographs	25
11.	EUT Test Setup Photographs	26

(Note: N/A Means Not Applicable)



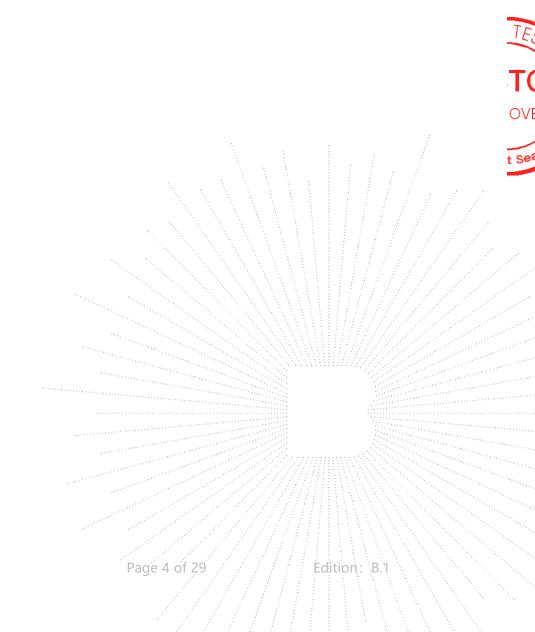






1. Version

Report No.	Issue Date	Description	Approved
BCTC2312209790-1E	2024-01-02	Original	Valid

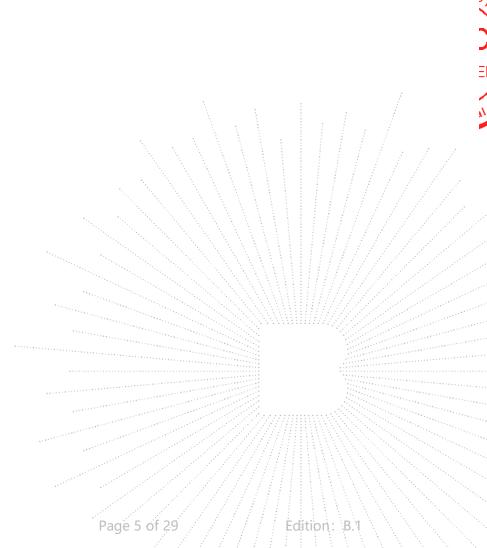




Test Summary 2.

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

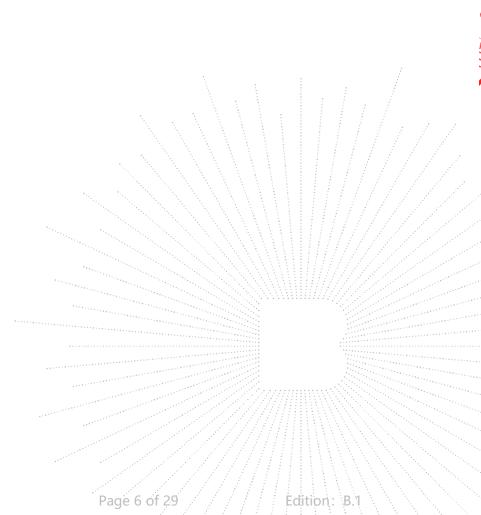




Measurement Uncertainty 3.

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(30MHz-1GHz)	U=4.3dB
2	Conducted Emission (150kHz-30MHz)	U=3.2dB
3	humidity uncertainty	U=5.3%
4	Temperature uncertainty	U=0.59°C





4. Product Information And Test Setup

4.1 Product Information

Model/Type Reference: PPCXM10A

Model Differences: N/A

Modulation: ASK

Hardware Version: V1.2

Software Version: 0XCEDC

Operation Frequency: 115kHz-205kHz Antenna installation: coil antenna

Ratings: Type C Input: DC 5V/3A or DC 9V/2A

Type C Output: DC 5V/2.4A, 9V/2.22A, 12V 1.5A

Wireless Output: 5W/7.5W/10W/15W

Total Output: 5V/2.4A(Wireless charging and type C charging work simultaneously)

Battery: DC 3.7V

4.2 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	Power Bank	N/A	PPCXM10A	N/A	EUT
E-2	ADAPTER	Hoco.	N18	N/A	Auxiliary
E-3	Dummy load	N/A	DL01	, 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.

No.: BCTC/RF-EMC-005 Page 7 of 29 / / / Edition: B.1

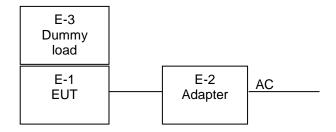


4.3 Test Setup Configuration

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

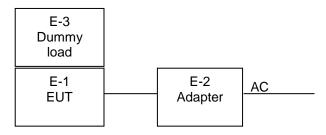
Conducted Emission:

Test Mode 1, 2, 3

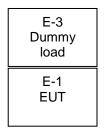


Radiated Spurious Emission:

Test Mode 1, 2, 3



Test Mode 4, 5, 6







Edition: B.

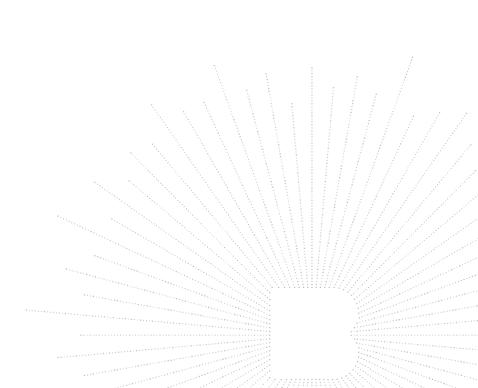


4.4 Test Mode

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 configuration mode(s) mentioned above was evaluated respectively.

	Mode 1	Wireless charging(Full load)		
AC Mode	Mode 2	Wireless charging(Half load)		
	Mode 3	Wireless charging(Empty load)		
	Mode 4	Wireless charging(Full load)		
DC Mode	Mode 5	Wireless charging(Half load)		
	Mode 6	Wireless charging(Empty load)		

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



No.: BCTC/RF-EMC-005 Page 9 of 29 / / / / Edition:

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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 A2LA certificate registration number is: CN1212

ISED Registered No.: 23583 ISED CAB identifier: CN0017

5.2 Test Instrument Used

Conducted Emissions Test						
Equipment Manufacturer Model# Serial# Last Cal. No					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	\	\	
Pulse limiter	Schwarzbeck	VTSD9561-F	01323	Sept. 22, 2023	Sept. 21, 2024	

			· ·		
		RF Cond	ucted Test		. 1 . 7
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Power Meter	Keysight	E4419		May 15, 2023	May 14, 2024
Power Sensor (AV)	Keysight	E9300A	L. J.	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

No.: BCTC/RF-EMC-005 Page 10 of 29 / / / / Edition: B.1



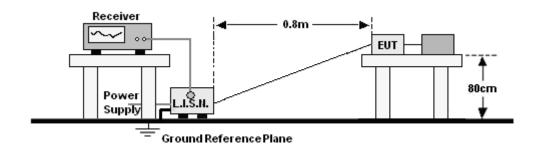
Radiated Emissions Test (966 Chamber01)					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
966 chamber	ChengYu	966 Room	966	May 15, 2023	May 14, 2026
Receiver	R&S	ESR3	102075	May 15, 2023	May 14, 2024
Receiver	R&S	ESRP	101154	May 15, 2023	May 14, 2024
Amplifier	Schwarzbeck	BBV9744	9744-0037	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 Antenna(18G Hz-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	\	\

No.: BCTC/RF-EMC-005 Page 11 of 29 / / / Edition B.1



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:

- 1. *Decreasing linearly with logarithm of frequency.
- 2. 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

- a. 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).
- b. 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.
- c. 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

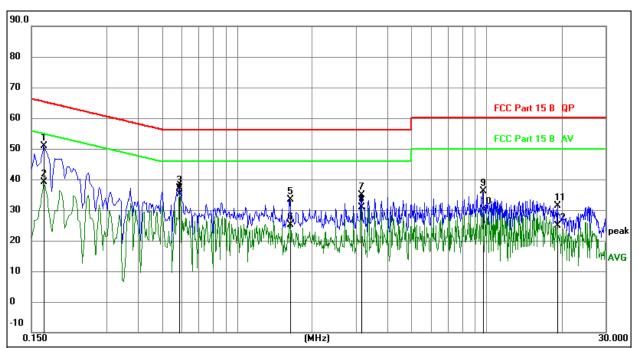
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

No.: BCTC/RF-EMC-005 Page 12 of 29 / / / Edition: B.1



6.5 Test Result

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

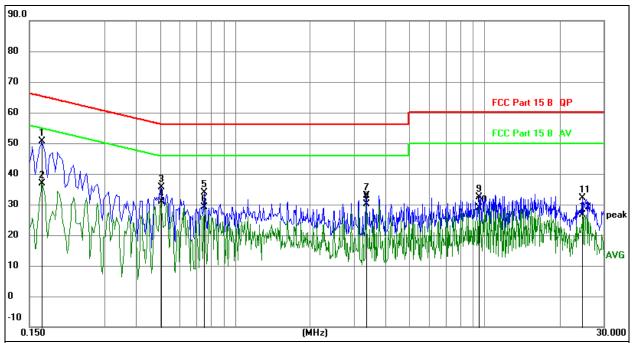


- All readings are Quasi-Peak and Average values.
 Factor = Insertion Loss + Cable Loss.
 Measurement = Reading Level + Correct Factor
 Over = Measurement Limit

4. Ove	i – ivicasi	arenient - Ei	11111					7 7
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.1680	31.08	19.77	50.85	65.06	-14.21	QP
2		0.1680	19.38	19.77	39.15	55.06	-15.91	AVG
3		0.5865	17.23	19.84	37.07	56.00	-18.93	QP
4	*	0.5865	15.30	19.84	35.14	46.00	-10.86	AVG
5		1.6305	13.33	19.95	33.28	56.00	-22.72	QP
6		1.6305	5.21	19.95	25.16	46.00	-20.84	AVG
7		3.1470	14.50	20.36	34.86	56.00	-21.14	QP
8		3.1470	10.58	20.36	30.94	46.00	-15.06	AVG
9		9.6630	16.35	19.89	36.24	60.00	-23.76	QP
10		9.6630	10.16	19.89	30.05	50.00	-19.95	AVG
11		19.3200	11.43	19.97	31.40	60.00	-28.60	QP
12		19.3200	4.99	19.97	24.96	50.00	-25.04	AVG



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



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

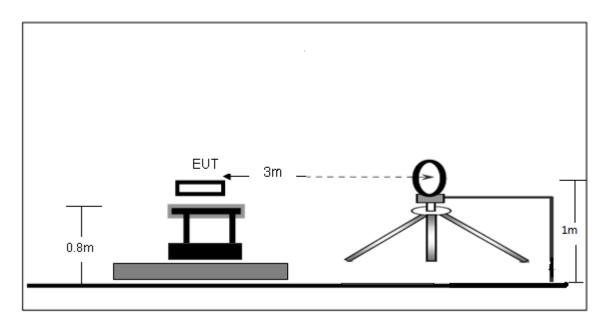
No. Mk. Freq. Level Level Factor Factor Factor Iment Measurement Measurement Limit Measurement Over 1 * 0.1677 30.79 19.77 50.56 65.07 -14.51 QP 2 0.1677 17.06 19.77 36.83 55.07 -18.24 AVG 3 0.5047 15.86 19.84 35.70 56.00 -20.30 QP 4 0.5047 10.92 19.84 30.76 46.00 -15.24 AVG 5 0.7508 14.13 19.86 33.99 56.00 -22.01 QP 6 0.7508 9.16 19.86 29.02 46.00 -16.98 AVG 7 3.3458 12.35 20.43 32.78 56.00 -23.22 QP 8 3.3458 9.80 20.43 30.23 46.00 -15.77 AVG 9 9.5016 12.60 19.89 32.49 60.00 -27.51 QP 10 9.5016 9.05 19.89 28.94 50.00 -21.06 AVG 11 24.6594 12.05 19.99 32.04 60.00 -27.96 QP 12 24.6594 6.64 19.99 26.63 50.00 -23.37 AVG			aromont Li	Deedine	C = m = = +	N/1			
1 * 0.1677 30.79 19.77 50.56 65.07 -14.51 QP 2 0.1677 17.06 19.77 36.83 55.07 -18.24 AVG 3 0.5047 15.86 19.84 35.70 56.00 -20.30 QP 4 0.5047 10.92 19.84 30.76 46.00 -15.24 AVG 5 0.7508 14.13 19.86 33.99 56.00 -22.01 QP 6 0.7508 9.16 19.86 29.02 46.00 -16.98 AVG 7 3.3458 12.35 20.43 32.78 56.00 -23.22 QP 8 3.3458 9.80 20.43 30.23 46.00 -15.77 AVG 9 9.5016 12.60 19.89 32.49 60.00 -27.51 QP 10 9.5016 9.05 19.89 28.94 50.00 -21.06 AVG 11 24.6594 12.05 19.99 32.04 60.00 -27.96 QP	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment		Over	
2 0.1677 17.06 19.77 36.83 55.07 -18.24 AVG 3 0.5047 15.86 19.84 35.70 56.00 -20.30 QP 4 0.5047 10.92 19.84 30.76 46.00 -15.24 AVG 5 0.7508 14.13 19.86 33.99 56.00 -22.01 QP 6 0.7508 9.16 19.86 29.02 46.00 -16.98 AVG 7 3.3458 12.35 20.43 32.78 56.00 -23.22 QP 8 3.3458 9.80 20.43 30.23 46.00 -15.77 AVG 9 9.5016 12.60 19.89 32.49 60.00 -27.51 QP 10 9.5016 9.05 19.89 28.94 50.00 -21.06 AVG 11 24.6594 12.05 19.99 32.04 60.00 -27.96 QP			MHz		dB	dBuV	dBu∀	dB	Detector
3 0.5047 15.86 19.84 35.70 56.00 -20.30 QP 4 0.5047 10.92 19.84 30.76 46.00 -15.24 AVG 5 0.7508 14.13 19.86 33.99 56.00 -22.01 QP 6 0.7508 9.16 19.86 29.02 46.00 -16.98 AVG 7 3.3458 12.35 20.43 32.78 56.00 -23.22 QP 8 3.3458 9.80 20.43 30.23 46.00 -15.77 AVG 9 9.5016 12.60 19.89 32.49 60.00 -27.51 QP 10 9.5016 9.05 19.89 28.94 50.00 -21.06 AVG 11 24.6594 12.05 19.99 32.04 60.00 -27.96 QP	1	*	0.1677	30.79	19.77	50.56	65.07	-14.51	QP
4 0.5047 10.92 19.84 30.76 46.00 -15.24 AVG 5 0.7508 14.13 19.86 33.99 56.00 -22.01 QP 6 0.7508 9.16 19.86 29.02 46.00 -16.98 AVG 7 3.3458 12.35 20.43 32.78 56.00 -23.22 QP 8 3.3458 9.80 20.43 30.23 46.00 -15.77 AVG 9 9.5016 12.60 19.89 32.49 60.00 -27.51 QP 10 9.5016 9.05 19.89 28.94 50.00 -21.06 AVG 11 24.6594 12.05 19.99 32.04 60.00 -27.96 QP	2		0.1677	17.06	19.77	36.83	55.07	-18.24	AVG
5 0.7508 14.13 19.86 33.99 56.00 -22.01 QP 6 0.7508 9.16 19.86 29.02 46.00 -16.98 AVG 7 3.3458 12.35 20.43 32.78 56.00 -23.22 QP 8 3.3458 9.80 20.43 30.23 46.00 -15.77 AVG 9 9.5016 12.60 19.89 32.49 60.00 -27.51 QP 10 9.5016 9.05 19.89 28.94 50.00 -21.06 AVG 11 24.6594 12.05 19.99 32.04 60.00 -27.96 QP	3		0.5047	15.86	19.84	35.70	56.00	-20.30	QP
6 0.7508 9.16 19.86 29.02 46.00 -16.98 AVG 7 3.3458 12.35 20.43 32.78 56.00 -23.22 QP 8 3.3458 9.80 20.43 30.23 46.00 -15.77 AVG 9 9.5016 12.60 19.89 32.49 60.00 -27.51 QP 10 9.5016 9.05 19.89 28.94 50.00 -21.06 AVG 11 24.6594 12.05 19.99 32.04 60.00 -27.96 QP	4		0.5047	10.92	19.84	30.76	46.00	-15.24	AVG
7 3.3458 12.35 20.43 32.78 56.00 -23.22 QP 8 3.3458 9.80 20.43 30.23 46.00 -15.77 AVG 9 9.5016 12.60 19.89 32.49 60.00 -27.51 QP 10 9.5016 9.05 19.89 28.94 50.00 -21.06 AVG 11 24.6594 12.05 19.99 32.04 60.00 -27.96 QP	5		0.7508	14.13	19.86	33.99	56.00	-22.01	QP
8 3.3458 9.80 20.43 30.23 46.00 -15.77 AVG 9 9.5016 12.60 19.89 32.49 60.00 -27.51 QP 10 9.5016 9.05 19.89 28.94 50.00 -21.06 AVG 11 24.6594 12.05 19.99 32.04 60.00 -27.96 QP	6		0.7508	9.16	19.86	29.02	46.00	-16.98	AVG
9 9.5016 12.60 19.89 32.49 60.00 -27.51 QP 10 9.5016 9.05 19.89 28.94 50.00 -21.06 AVG 11 24.6594 12.05 19.99 32.04 60.00 -27.96 QP	7		3.3458	12.35	20.43	32.78	56.00	-23.22	QP
10 9.5016 9.05 19.89 28.94 50.00 -21.06 AVG 11 24.6594 12.05 19.99 32.04 60.00 -27.96 QP	8		3.3458	9.80	20.43	30.23	46.00	-15.77	AVG
11 24.6594 12.05 19.99 32.04 60.00 -27.96 QP	9		9.5016	12.60	19.89	32.49	60.00	-27.51	QP
	10		9.5016	9.05	19.89	28.94	50.00	-21.06	AVG
12 24.6594 6.64 19.99 26.63 50.00 -23.37 AVG	11		24.6594	12.05	19.99	32.04	60.00	-27.96	QP
	12		24.6594	6.64	19.99	26.63	50.00	-23.37	AVG



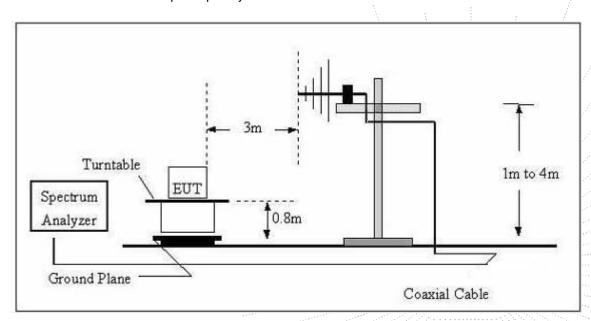
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

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



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



No.: BCTC/RF-EMC-005 Page 15 of 29 / / / / Edition B.

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7.2 Limit

FCC §15.209; §15.205.

Test Standard	FCC Part15 C Section 15.209 and 15.205						
	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		
Test Limit	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		
	A1 1000MII-	500	54.0	Average	3		
	Above 1000MHz		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 1GHz test procedure as below:

a.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).

h.Test the EUT in the lowest channel ,the middle channel ,the Highest channel.

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

No.: BCTC/RF-EMC-005 Page 16 of 29 / / / / Edition: B.

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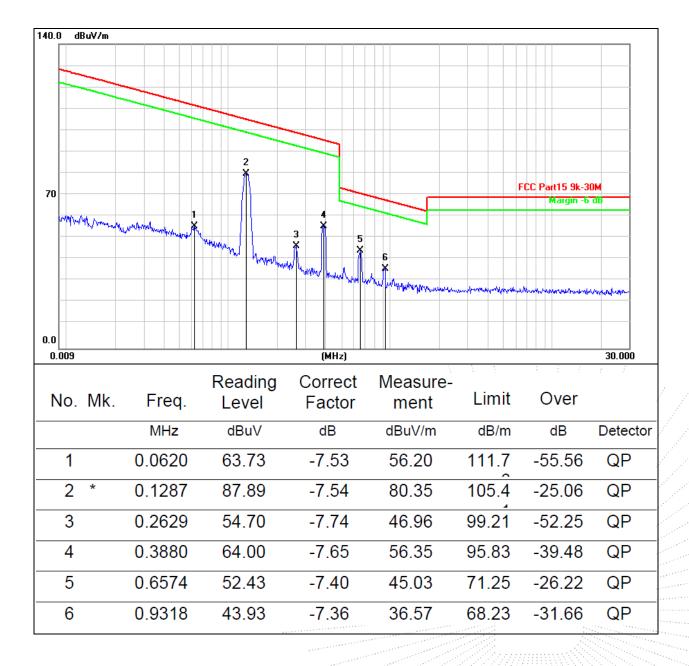




7.4 Test Result

9kHz-30MHz

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 1	Polarization:	Coaxial(Worst)

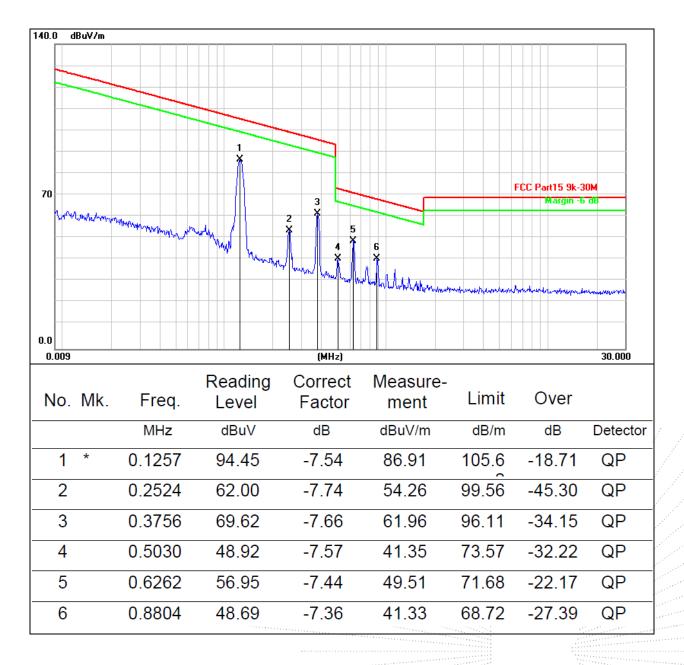


No.: BCTC/RF-EMC-005 Page 17 of 29 / / Edition B.1





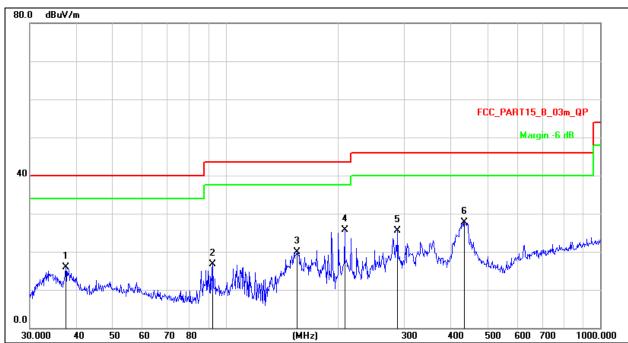
Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Test Voltage:	DC 3.7V
Test Mode:	Mode 4	Polarization:	Coaxial(Worst)





Between 30MHz - 1GHz

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

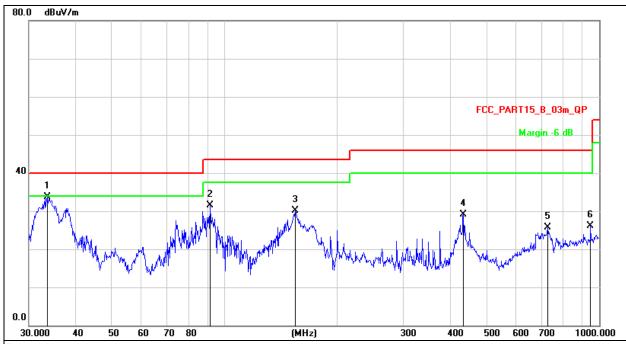


- 1. Factor = Antenna Factor + Cable Loss Pre-amplifier.
- 2. Measurement = Reading Level + Correct Factor
- 3. Over = Measurement Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		37.4165	31.12	-15.22	15.90	40.00	-24.10	QP
2		92.4624	33.81	-17.04	16.77	43.50	-26.73	QP
3		155.3644	38.88	-19.03	19.85	43.50	-23.65	QP
4	*	207.8501	41.16	-15.50	25.66	43.50	-17.84	QP
5		287.9904	39.04	-13.49	25.55	46.00	-20.45	QP
6		434.0651	37.89	-10.17	27.72	46.00	-18.28	QP



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

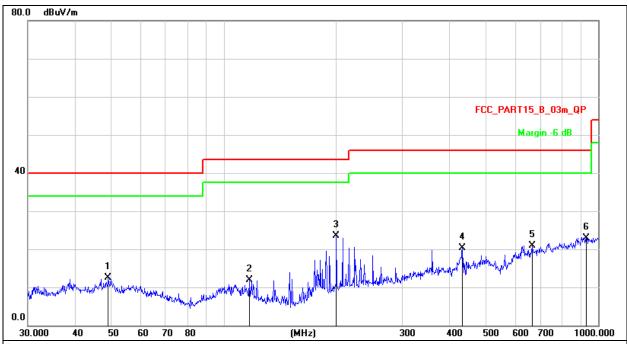


- 1. Factor = Antenna Factor + Cable Loss Pre-amplifier.
- Measurement = Reading Level + Correct Factor
 Over = Measurement Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	<i>f f</i>
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	33.6802	49.59	-15.94	33.65	40.00	-6.35	QP
2		91.4949	48.65	-17.18	31.47	43.50	-12.03	QP
3	,	154.2786	49.27	-19.11	30.16	43.50	-13.34	QP
4	4	134.0651	39.18	-10.17	29.01	46.00	-16.99	QP
5	7	729.3583	31.06	-5.29	25.77	46.00	-20.23	QP
6	ç	948.7610	29.02	-2.94	26.08	46.00	-19.92	QP



Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 5	Test Voltage:	DC 3.7V

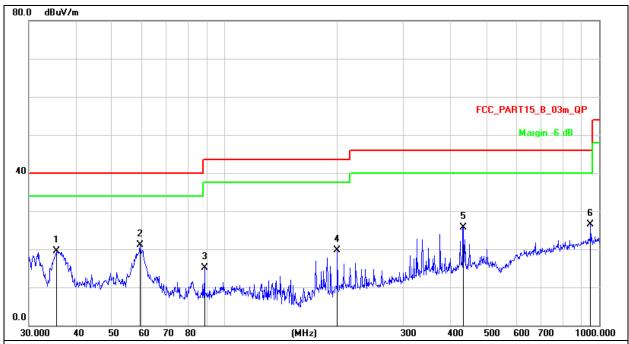


- 1. Factor = Antenna Factor + Cable Loss Pre-amplifier.
- Measurement = Reading Level + Correct Factor
 Over = Measurement Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		49.1865	26.55	-13.97	12.58	40.00	-27.42	QP
2	1	16.9495	29.05	-17.12	11.93	43.50	-31.57	QP
3	* 1	199.9856	39.15	-15.72	23.43	43.50	-20.07	QP
4	4	134.0651	30.56	-10.17	20.39	46.00	-25.61	QP
5	6	65.8035	26.99	-6.02	20.97	46.00	-25.03	QP
6	9	929.0082	26.02	-3.02	23.00	46.00	-23.00	QP



Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 5	Test Voltage:	DC 3.7V



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

						4 1		
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		35.4993	35.07	-15.59	19.48	40.00	-20.52	QP
2	*	59.4405	36.35	-15.17	21.18	40.00	-18.82	QP
3		88.3421	32.89	-17.79	15.10	43.50	-28.40	QP
4		199.9856	35.49	-15.72	19.77	43.50	-23.73	QP
5	4	434.0651	35.97	-10.17	25.80	46.00	-20.20	QP
6	,	948.7610	29.35	-2.94	26.41	46.00	-19.59	QP



8. Bandwidth Test

8.1 Test Procedure

- 1. Set RBW = 1%~5% OBW.
- 2. Set the video bandwidth (VBW) \geq 3 x 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 (kHz)	Result
124.2	0.096	Pass



No.: BCTC/RF-EMC-005 Page 23 of 29 / / / Edition B.1



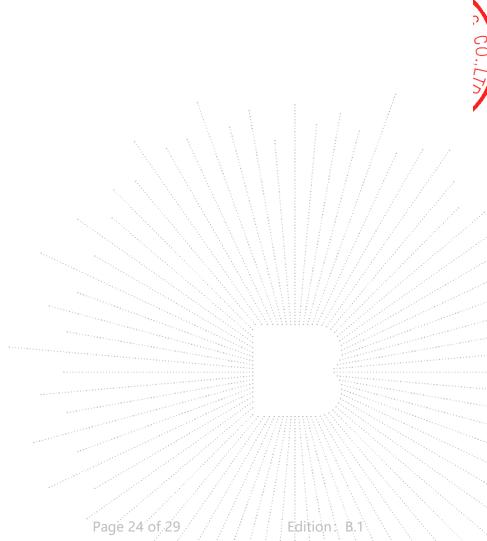
9. **Antenna Requirements**

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

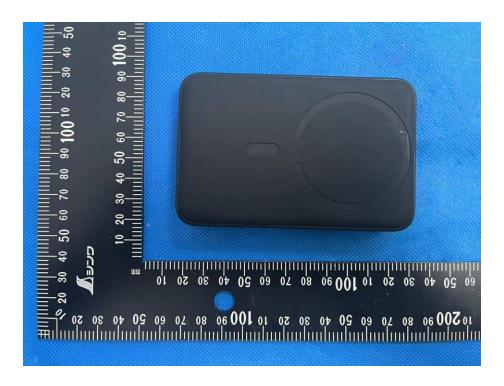
The antenna used for this product is Inductive coil antenna.





10. EUT Photographs

EUT Photo 1





NOTE: Appendix-Photographs Of EUT Constructional Details

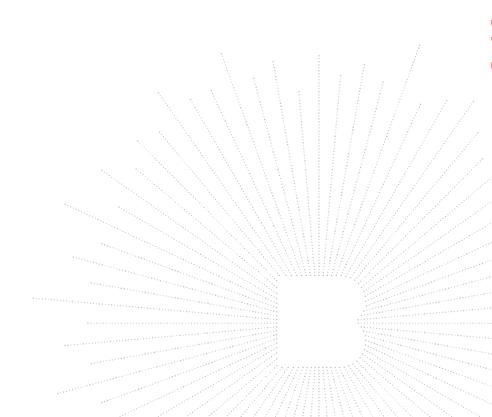
No.: BCTC/RF-EMC-005 Page 25 of 29 / / / / Edition 8.1



11. EUT Test Setup Photographs

Conducted emissions





No.: BCTC/RF-EMC-005 Page 26 of 29 / / / Edition B.



Radiated Measurement Photos 30MHz-1GHz





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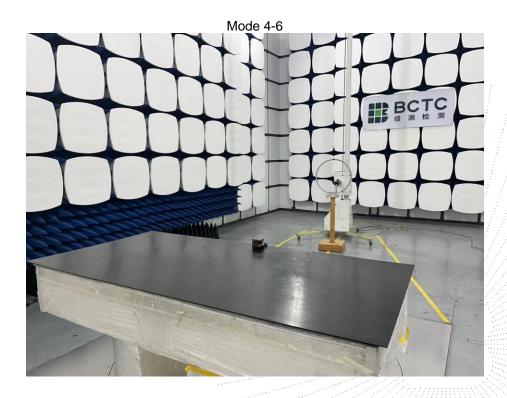
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9kHz-30MHz





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No.: BCTC/RF-EMC-005 Page 28 of 29 / / / Edition B.1



Edition: B.

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.

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**** END ****

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