

# **TEST REPORT**

Report No.:	BCTC2501476738-1E						
Applicant:	Rokform, LLC						
Product Name:	10K Wireless Magnetic Power Bank						
Test Model:	339201-10K						
Tested Date:	2025-01-17 to 2025-02-10						
Issued Date:	2025-02-10						
She	enzhen BCTC Testing Co., Ltd.						
No.: BCTC/RF-EMC-005	Page 1 of 30 Edition: B.2						



# FCC ID: 2BFSK-10000MAH

Product Name:	10K Wireless Magnetic Power Bank			
Trademark:	N/A			
Model/Type Reference:	339201-10K			
Prepared For:	Rokform, LLC			
Address:	16180 Scientific, Irvine California 92618, United States			
Manufacturer:	Shenzhen Redway Power, Inc.			
Address:	L365, 3rd Floor, Port Building, Shipping Center, 59 Linhai Avenue, Nanshan Street, Qianhai Shenzhen-HongKong Cooperation Zone, Shenzhen			
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:	2025-01-17			
Sample Tested Date:	2025-01-17 to 2025-02-10			
Issue Date:	2025-02-10			
Report No.:	BCTC2501476738-1E			
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 30



Table Of Content

Test	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	
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	12
6.5	Test Result	
7.	Radiated Emissions	15
7.1	Block Diagram Of Test Setup	15
7.2	Limit	16
7.3	Test procedure	16
7.4	Test Result	17
8.	Bandwidth Test	
8.1	Test Procedure	23
8.2	Test Setup	23
8.3	Test Result	24
9.	Antenna Requirements	
9.1	Limit	25
9.2	Test Result	
10.	EUT Photographs	
11.	EUT Test Setup Photographs	27
	in the second	and a second and a s

(Note: N/A Means Not Applicable)

No.: BCTC/RF-EMC-005

,TC 3C

PR

<sup>e</sup>poi



# 1. Version

Report No.	Issue Date	Description	Approved
BCTC2501476738-1E	2025-02-10	Original	Valid





Page 4 of 30



# 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

ΞD

No.: BCTC/RF-EMC-005

Page 5 of 30



# 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(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

No.: BCTC/RF-EMC-005

Page 6 of 30



# 4. Product Information And Test Setup

#### 4.1 Product Information

Model/Type Reference:	339201-10K
Model Differences:	N/A
Hardware Version:	N/A
Software Version:	N/A
Modulation:	ASK
Operation Frequency:	115kHz-205kHz
Antenna installation:	loop coil antenna
Ratings:	Type C Input: DC 5V/3A, DC 9V/2.22A, DC 12V/1.67A Battery: DC 3.85V

#### 4.2 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	10K Wireless Magnetic Power Bank	N/A	339201-10K	N/A	EUT
E-2	Adapter	UGREEN	CD289	N/A	Auxiliary
E-3	Load	N/A	N/A	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.

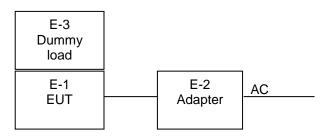


#### 4.3 Test Setup Configuration

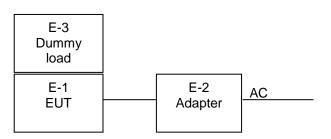
See test photographs attached in *EUT TEST SETUP PHOTOGRAPHS* for the actual connections between Product and support equipment.

#### Conducted Emission:

Test Mode 1



Radiated Spurious Emission: Test Mode 1



Test Mode 2-4

E-3 Dummy load	
E-1 EUT	

Page 8 of



#### 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.

AC Mode	Mode 1	Charging+5W
DC Mode	Mode 2	15W
	Mode 3	7.5W
	Mode 4	Null Load
	Mode 5	5W+5V 2A output

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



ероі





#### 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.	Next Cal.	
Receiver	R&S	ESR3	102075	May 16, 2024	May 15, 2025	
LISN	R&S	ENV216	101375	May 16, 2024	May 15, 2025	
Software	Frad	EZ-EMC	EMC-CON 3A1	١	١	
Pulse limiter	Schwarzbeck	VTSD9561-F	01323	May 16, 2024	May 15, 2025	

		RF Cond	ucted Test		- 1 . <i>1</i> .
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Power Meter	Keysight	E4419		May 16, 2024	May 15, 2025
Power Sensor (AV)	Keysight	E9300A		May 16, 2024	May 15, 2025
Signal Analyzer 20kHz-26.5G Hz	Keysight	N9020A	MY49100060	May 16, 2024	May 15, 2025
Spectrum Analyzer 9kHz-40GHz	R&S	FSP 40	an a	May 16, 2024	May 15, 2025



	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 16, 2024	May 15, 2025			
Receiver	R&S	ESRP	101154	May 16, 2024	May 15, 2025			
Amplifier	Schwarzbeck	BBV9744	9744-0037	May 16, 2024	May 15, 2025			
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	942	May 21, 2024	May 20, 2025			
Loop Antenna(9KHz -30MHz)	Schwarzbeck	FMZB1519B	00014	May 21, 2024	May 20, 2025			
Amplifier	SKET	LAPA_01G1 8G-45dB	SK202104090 1	May 16, 2024	May 15, 2025			
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 21, 2024	May 20, 2025			
Amplifier(18G Hz-40GHz)	MITEQ	TTA1840-35- HG	2034381	May 16, 2024	May 15, 2025			
Horn Antenn(18GH z-40GHz)	Schwarzbeck	BBHA9170	00822	May 21, 2024	May 20, 2025			
Spectrum Analyzer9kHz- 40GHz	R&S	FSP40	100363	May 16, 2024	May 15, 2025			
Software	Frad	EZ-EMC	FA-03A2 RE	١	١			

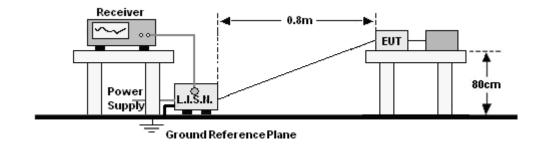
ز ED

Page 11 of 30



#### 6. Conducted Emissions

#### 6.1 Block Diagram Of Test Setup



#### 6.2 Limit

	Limit (	dBuV)
Frequency (MHz)	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.

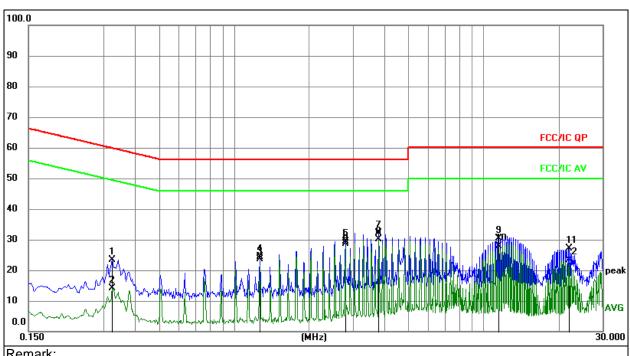
#### 6.4 EUT operating Conditions

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.



#### 6.5 Test Result

Temperature:	<b>23.8</b> ℃	Relative Humidity:	46%RH
Pressure:	101KPa	Phase :	L
Test Mode:	Mode 1	Test Voltage:	AC 120V/60Hz



#### Remark:

All readings are Quasi-Peak and Average values.
Factor = Insertion Loss + Cable Loss.

<ol><li>Measurement = Reading Level + Correct Fact</li></ol>	or
--	----

4. Over = Measurement - Limit

4. Over	= Measurement - Lir	1111					<u> </u>
No.	Mk. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz		dB	dBuV	dBuV	dB	Detector
1	0.3251	3.36	20.07	23.43	59.58	-36.15	QP
2	0.3251	-6.01	20.07	14.06	49.58	-35.52	AVG
3	1.2688	3.49	20.09	23.58	56.00	-32.42	QP
4	1.2688	4.39	20.09	24.48	46.00	-21.52	AVG
5	2.7942	9.34	20.12	29.46	56.00	-26.54	QP
6	2.7942	8.50	20.12	28.62	46.00	-17.38	AVG
7	3.7994	12.00	20.14	32.14	56.00	-23.86	QP
8	* 3.7994	9.93	20.14	30.07	46.00	-15.93	AVG
9	11.4376	10.25	20.21	30.46	60.00	-29.54	QP
10	11.4376	7.57	20.21	27.78	50.00	-22.22	AVG
11	22.0628	6.85	20.32	27.17	60.00	-32.83	QP
12	22.0628	3.03	20.32	23.35	50.00	-26.65	AVG

No.: BCTC/RF-EMC-005

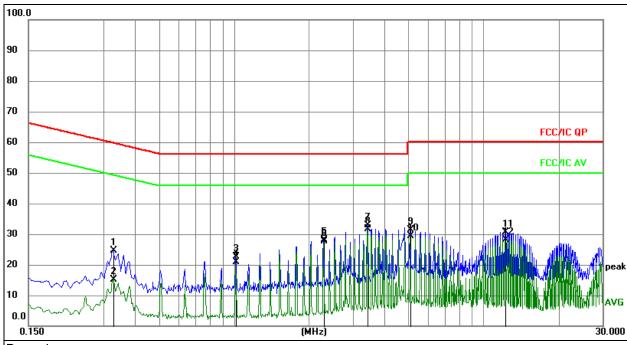
Page 13 of 30

Edition: B.2

ENZ



Temperature:	<b>23.8</b> ℃	Relative Humidity:	46%RH
Pressure:	101KPa	Phase :	Ν
Test Mode:	Mode 1	Test Voltage:	AC 120V/60Hz



Remark:

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

No. Mk.Freq.Reading LevelCorrect FactorMeasure- mentLimitOverMHzdBdBuVdBuVdBDetector10.33004.6820.0724.7559.45-34.70QP20.3300-4.8220.0715.2549.45-34.20AVG31.01842.4520.0922.5456.00-33.46QP41.01840.7520.0920.8446.00-25.16AVG52.29208.0520.1128.1656.00-27.84QP62.29207.4420.1127.5546.00-18.45AVG73.435012.7920.1332.9256.00-23.08QP8*3.435011.4420.1531.2660.00-28.74QP105.09109.3120.1529.4650.00-20.54AVG1112.21907.9020.2328.1350.00-21.87AVG	4. Over	= ivieasu	rement - Lir	mu					
10.33004.6820.0724.7559.45-34.70QP20.3300-4.8220.0715.2549.45-34.20AVG31.01842.4520.0922.5456.00-33.46QP41.01840.7520.0920.8446.00-25.16AVG52.29208.0520.1128.1656.00-27.84QP62.29207.4420.1127.5546.00-18.45AVG73.435012.7920.1332.9256.00-23.08QP8*3.435011.4420.1331.5746.00-14.43AVG95.091011.1120.1531.2660.00-28.74QP105.09109.3120.1529.4650.00-20.54AVG1112.219010.5220.2330.7560.00-29.25QP	No.	Mk.	Freq.	-			Limit	Over	
2   0.3300   -4.82   20.07   15.25   49.45   -34.20   AVG     3   1.0184   2.45   20.09   22.54   56.00   -33.46   QP     4   1.0184   0.75   20.09   20.84   46.00   -25.16   AVG     5   2.2920   8.05   20.11   28.16   56.00   -27.84   QP     6   2.2920   7.44   20.11   27.55   46.00   -18.45   AVG     7   3.4350   12.79   20.13   32.92   56.00   -23.08   QP     8   *   3.4350   11.44   20.13   31.57   46.00   -14.43   AVG     9   5.0910   11.11   20.15   31.26   60.00   -28.74   QP     10   5.0910   9.31   20.15   29.46   50.00   -20.54   AVG     11   12.2190   10.52   20.23   30.75   60.00   -29.25   QP			MHz		dB	dBuV	dBuV	dB	Detector
3   1.0184   2.45   20.09   22.54   56.00   -33.46   QP     4   1.0184   0.75   20.09   20.84   46.00   -25.16   AVG     5   2.2920   8.05   20.11   28.16   56.00   -27.84   QP     6   2.2920   7.44   20.11   27.55   46.00   -18.45   AVG     7   3.4350   12.79   20.13   32.92   56.00   -23.08   QP     8   *   3.4350   11.44   20.13   31.57   46.00   -14.43   AVG     9   5.0910   11.11   20.15   31.26   60.00   -28.74   QP     10   5.0910   9.31   20.15   29.46   50.00   -20.54   AVG     11   12.2190   10.52   20.23   30.75   60.00   -29.25   QP	1		0.3300	4.68	20.07	24.75	59.45	-34.70	QP
41.01840.7520.0920.8446.00-25.16AVG52.29208.0520.1128.1656.00-27.84QP62.29207.4420.1127.5546.00-18.45AVG73.435012.7920.1332.9256.00-23.08QP8*3.435011.4420.1331.5746.00-14.43AVG95.091011.1120.1531.2660.00-28.74QP105.09109.3120.1529.4650.00-20.54AVG1112.219010.5220.2330.7560.00-29.25QP	2		0.3300	-4.82	20.07	15.25	49.45	-34.20	AVG
5   2.2920   8.05   20.11   28.16   56.00   -27.84   QP     6   2.2920   7.44   20.11   27.55   46.00   -18.45   AVG     7   3.4350   12.79   20.13   32.92   56.00   -23.08   QP     8   *   3.4350   11.44   20.13   31.57   46.00   -14.43   AVG     9   5.0910   11.11   20.15   31.26   60.00   -28.74   QP     10   5.0910   9.31   20.15   29.46   50.00   -20.54   AVG     11   12.2190   10.52   20.23   30.75   60.00   -29.25   QP	3		1.0184	2.45	20.09	22.54	56.00	-33.46	QP
62.29207.4420.1127.5546.00-18.45AVG73.435012.7920.1332.9256.00-23.08QP8*3.435011.4420.1331.5746.00-14.43AVG95.091011.1120.1531.2660.00-28.74QP105.09109.3120.1529.4650.00-20.54AVG1112.219010.5220.2330.7560.00-29.25QP	4		1.0184	0.75	20.09	20.84	46.00	-25.16	AVG
7   3.4350   12.79   20.13   32.92   56.00   -23.08   QP     8   *   3.4350   11.44   20.13   31.57   46.00   -14.43   AVG     9   5.0910   11.11   20.15   31.26   60.00   -28.74   QP     10   5.0910   9.31   20.15   29.46   50.00   -20.54   AVG     11   12.2190   10.52   20.23   30.75   60.00   -29.25   QP	5		2.2920	8.05	20.11	28.16	56.00	-27.84	QP
8 *   3.4350   11.44   20.13   31.57   46.00   -14.43   AVG     9   5.0910   11.11   20.15   31.26   60.00   -28.74   QP     10   5.0910   9.31   20.15   29.46   50.00   -20.54   AVG     11   12.2190   10.52   20.23   30.75   60.00   -29.25   QP	6		2.2920	7.44	20.11	27.55	46.00	-18.45	AVG
6     3.4330     11.44     20.13     31.37     40.00     -14.43     AVG       9     5.0910     11.11     20.15     31.26     60.00     -28.74     QP       10     5.0910     9.31     20.15     29.46     50.00     -20.54     AVG       11     12.2190     10.52     20.23     30.75     60.00     -29.25     QP	7		3.4350	12.79	20.13	32.92	56.00	-23.08	QP
105.09109.3120.1529.4650.00-20.54AVG1112.219010.5220.2330.7560.00-29.25QP	8	*	3.4350	11.44	20.13	31.57	46.00	-14.43	AVG
11 12.2190 10.52 20.23 30.75 60.00 -29.25 QP	9		5.0910	11.11	20.15	31.26	60.00	-28.74	QP
	10		5.0910	9.31	20.15	29.46	50.00	-20.54	AVG
12 12.2190 7.90 20.23 28.13 50.00 -21.87 AVG	11		12.2190	10.52	20.23	30.75	60.00	-29.25	QP
	12		12.2190	7.90	20.23	28.13	50.00	-21.87	AVG

No.: BCTC/RF-EMC-005

Page 14 of 30

Edition: B.2

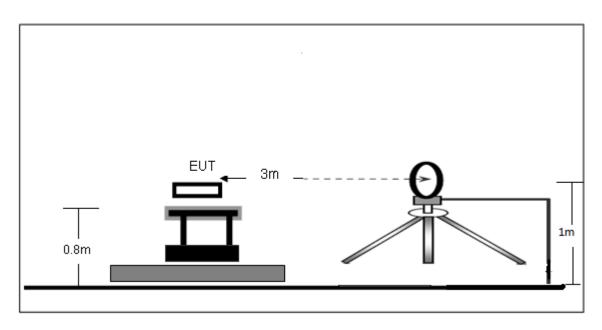
E



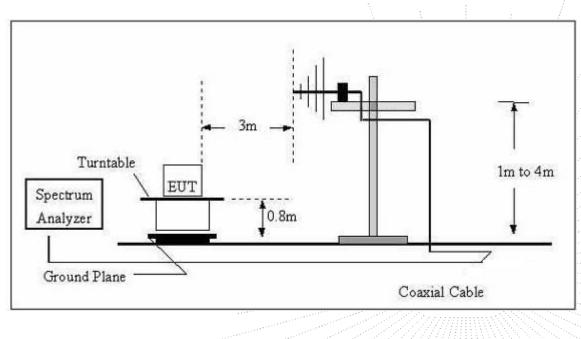
#### 7. Radiated Emissions

# 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						
	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		
	Above 1000MHz	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.

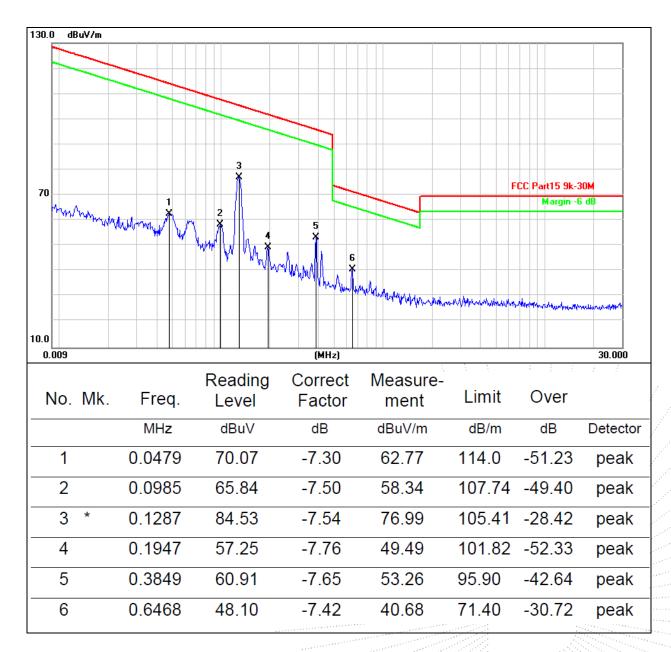
Page 16 of 30



# 7.4 Test Result

9kHz-30MHz

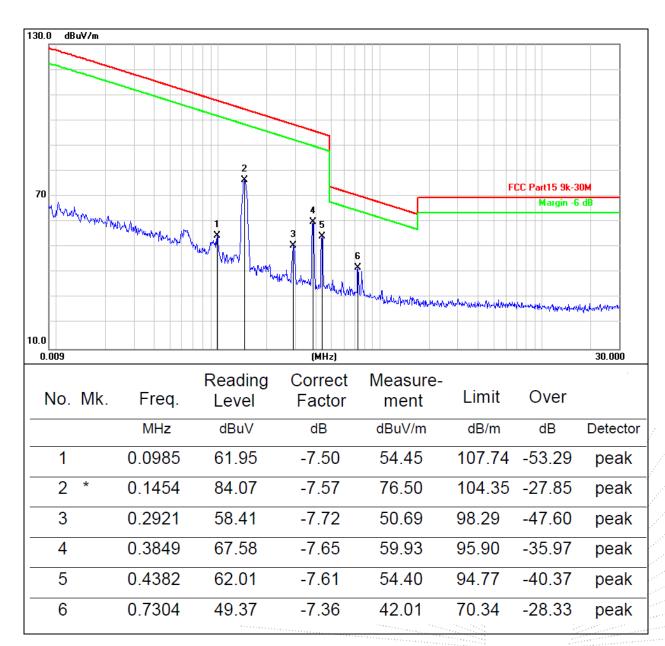
Temperature:	<b>24.8</b> ℃	Relative Humidity:	60%RH
Pressure:	101 kPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 1	Polarization:	Coaxial(Worst)



シシ



Temperature:	<b>24.8</b> ℃	Relative Humidity:	60%RH
Pressure:	101 kPa	Test Voltage:	DC 3.85V
Test Mode:	Mode 2	Polarization:	Coaxial(Worst)

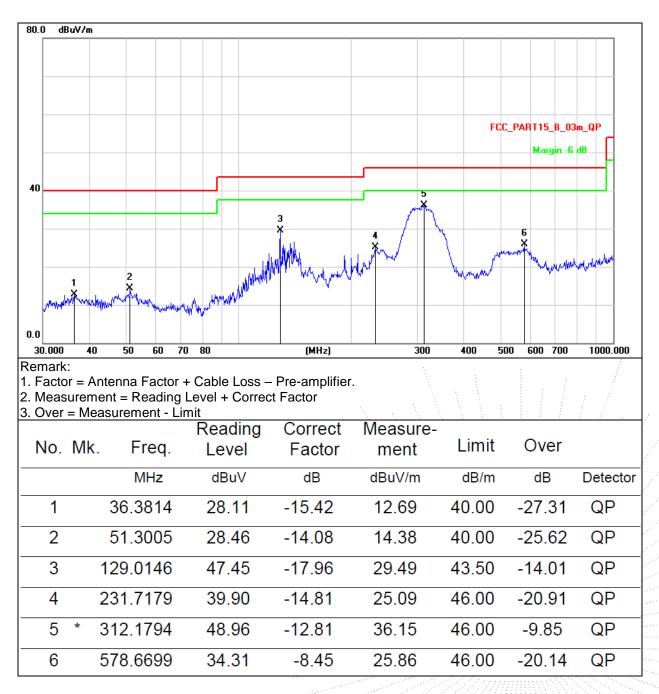


CO.,L7



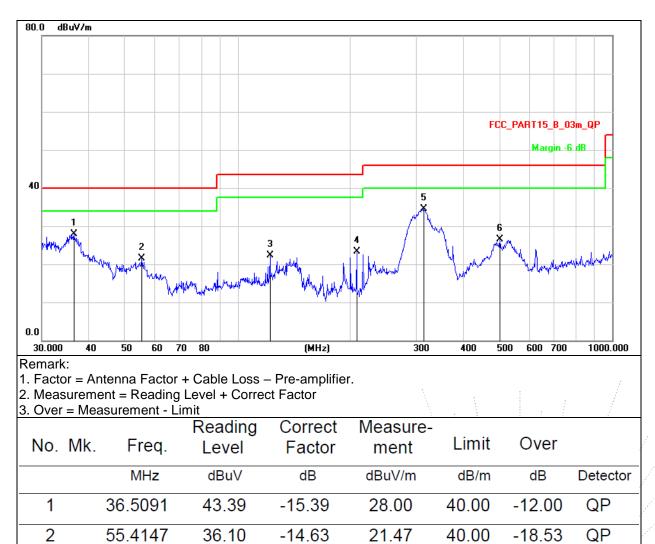
Between 30MHz - 1GHz

Temperature:	<b>26.0</b> ℃	Relative Humidity:	52%RH
Pressure:	101KPa	Phase:	Horizontal
Test Mode:	Mode 1	Test Voltage:	AC 120V/60Hz





Temperature:	<b>26.0</b> ℃	Relative Humidity:	52%RH
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 1	Test Voltage:	AC 120V/60Hz



3

4

5 \*

6

121.9754

207.8500

314.3765

501.1789

39.72

38.88

47.20

35.15

-17.47

-15.50

-12.73

-8.65

22.25

23.38

34.47

26.50

43.50

43.50

46.00

46.00

-21.25

-20.12

-11.53

-19.50

QP

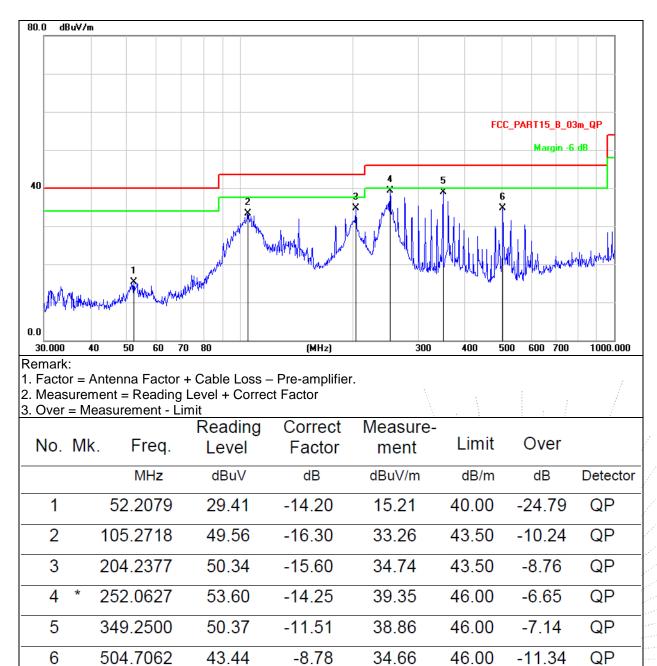
QP

QP

QP



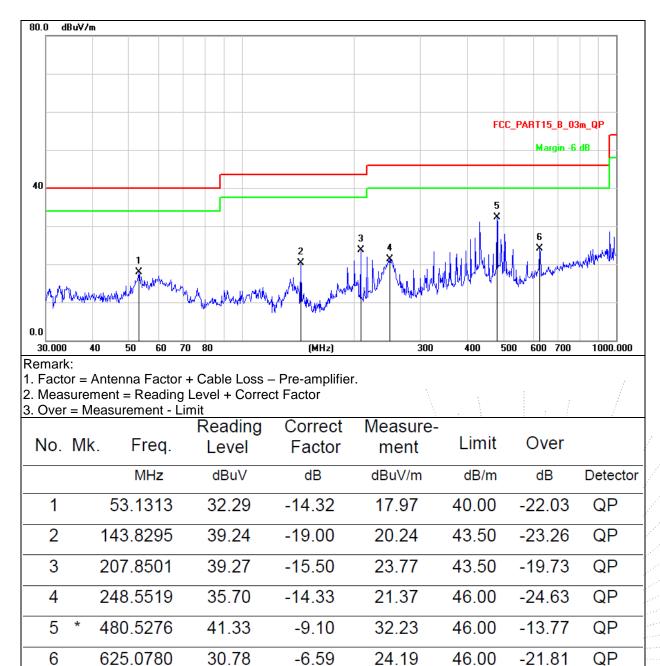
Temperature:	<b>26.0</b> ℃	Relative Humidity:	52%RH
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 2	Test Voltage:	DC 3.85V







Temperature:	<b>26.0</b> ℃	Relative Humidity:	52%RH
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 2	Test Voltage:	DC 3.85V



se



#### 8. Bandwidth Test

#### 8.1 Test Procedure

- 1. Set RBW = 1%~5% OBW.
- 2. Set the video bandwidth (VBW)  $\ge$  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





Page 23 of 30



#### 8.3 Test Result

Frequency (kHz)	20dB bandwidth (kHz)	Result
121.9	0.084	Pass



C 00.,LT

No.: BCTC/RF-EMC-005

Page 24 of 30



#### 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 Loop coil antenna.

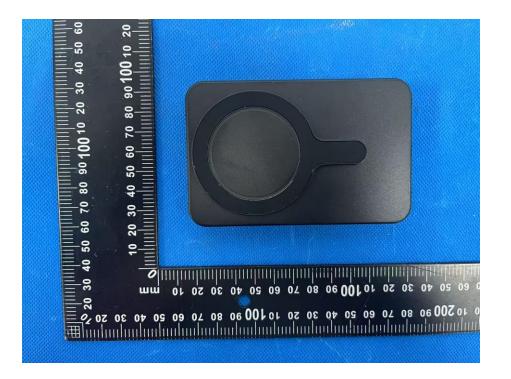
No.: BCTC/RF-EMC-005

Page 25 of 30



#### 10. EUT Photographs

#### EUT Photo



NOTE: Appendix-Photographs Of EUT Constructional Details

No.: BCTC/RF-EMC-005

Page 26 of 30



# 11. EUT Test Setup Photographs

Conducted emissions





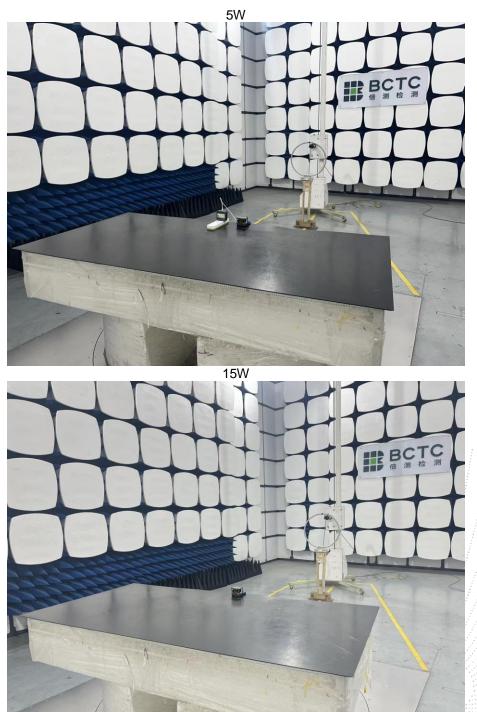
No.: BCTC/RF-EMC-005

Page 27 of 30



#### Radiated Measurement Photos

9kHz-30MHz







30MHz-1GHz





No.: BCTC/RF-EMC-005

Page 29 of 30



# 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:

1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

TEL: 400-788-9558

P.C.: 518103

FAX: 0755-33229357

Website: http://www.chnbctc.com

Consultation E-mail: bctc@bctc-lab.com.cn

Complaint/Advice E-mail: advice@bctc-lab.com.cn

\*\*\*\*\* END \*\*\*\*\*

No.: BCTC/RF-EMC-005

Page 30 of 30