

# **TEST REPORT**

Report No.: BCTC2203107490-1E

Applicant: Shenzhen Mossloo Industrial Co.,Ltd

Product Name: Fast Wireless Charger

Model/Type

reference:

MSL-M1029-A

Tested Date: 2022-03-03 to 2022-03-30

Issued Date: 2022-03-30





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## **FCC ID:2AN8FM1029-A**

Product Name: Fast Wireless Charger

Trademark: N/A

Model/Type reference: MSL-M1029-A 7143-56

Prepared For: Shenzhen Mossloo Industrial Co.,Ltd

Address: Road One No.4, Science Industrial Park, Shangxue Village, Bantian Street,

Longgang District, Shenzhen, China

Manufacturer: Shenzhen Mossloo Industrial Co.,Ltd

Address: Road One No.4, Science Industrial Park, Shangxue Village, 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, Tangwei,

Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Sample Received Date: 2022-03-03

Sample tested Date: 2022-03-03 to 2022-03-30

Issue Date: 2022-03-30

Report No.: BCTC2203107490-1E

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

Test Results PASS

Tested by:

kelsey Ton

Kelsey Tan/ 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.

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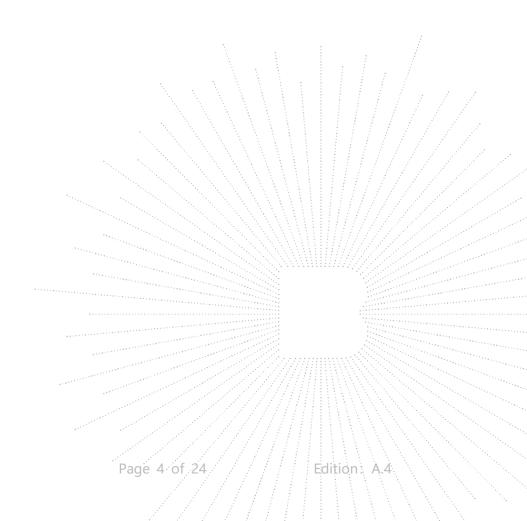
(Note: N/A Means Not Applicable)

No.: BCTC/RF-EMC-005



## 1. Version

Report No.	Issue Date	Description	Approved
BCTC2203107490-1E	2022-03-28	Original	Valid



No.: BCTC/RF-EMC-005



## 2. Test Summary

The Product has been tested according to the following specifications:

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	3m chamber Radiated spurious emission(1GHz-18GHz)	U=4.5dB
4	3m chamber Radiated spurious emission(18GHz-40GHz)	U=3.34dB
5	Conducted Emission(150kHz-30MHz)	U=3.20dB
6	Conducted Adjacent channel power	U=1.38dB
7	Conducted output power uncertainty Above 1G	U=1.576dB
8	Conducted output power uncertainty below 1G	U=1.28dB
9	humidity uncertainty	U=5.3%
10	Temperature uncertainty	U=0.59°C

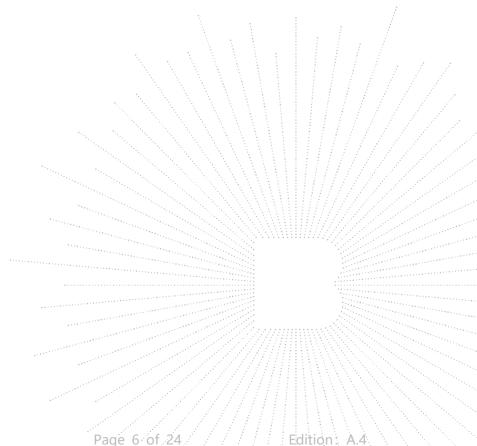
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#### **Measurement Uncertainty** 3.

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



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## 4. Product Information And Test Setup

#### 4.1 Product Information

Model/Type reference: MSL-M1029-A 7143-56

/143-56

Model differences: All the model are the same circuit and RF module, except model names.

Hardware Version: N/A
Software Version: N/A

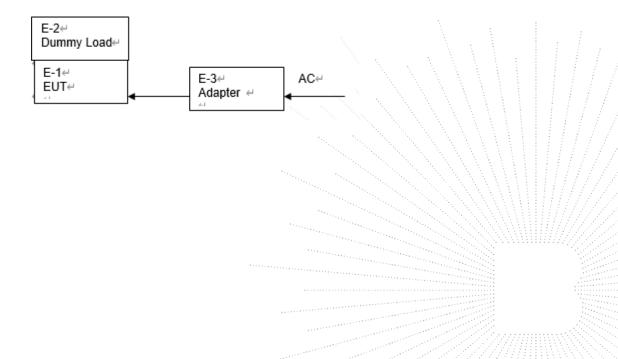
Product Description: Wireless Charging
Operation Frequency: 115kHz-205kHz
Antenna installation: loop coil antenna
Ratings: Input:DC 5V/9V
Output:15W MAX

## 4.2 Test Setup Configuration

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

Conducted Emission/Radiated Spurious Emission:



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#### 4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	Fast Wireless Charger	N/A	MSL-M1029-A	7143-56	EUT
E-2	Dummy load	N/A	DL01	N/A	Auxiliary
E-3	Adapter	UGREEN	CD122	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.

#### 4.5 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.

Test Mode 1	Wireless charging (5W)
Test Mode 2	Wireless charging (7.5W)
Test Mode 3	Wireless charging (10W)*
Test Mode 4	Wireless charging (15W)

#### Note:

All test mode were tested and passed, only Conducted Emissions, Radiated Emissions shows (\*) is the worst case mode which were recorded in this report.

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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, Tangwei, 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

IC Registered No.: 23583

#### 5.2 Test Instrument Used

Conducted Emissions Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Receiver	R&S	ESR3	102075	May 28, 2021	May 27, 2022
LISN	R&S	ENV216	101375	May 28, 2021	May 27, 2022
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\
Attenuator	\	10dB DC-6GHz	1650	May 28, 2021	May 27, 2022

RF Conducted Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Power Metter	Keysight	E4419	, \	May 28, 2021	May 27, 2022
Power Sensor (AV)	Keysight	E9300A	1 / /	May 28, 2021	May 27, 2022
Signal Analyzer 20kHz-26.5G Hz	Keysight	N9020A	MY49100060	May 28, 2021	May 27, 2022
Spectrum Analyzer 9kHz-40GHz	R&S	FSP 40		May 28, 2021	May 27, 2022

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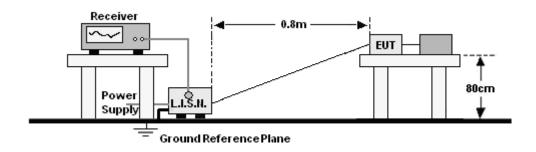
Radiated Emissions Test (966 Chamber#01)					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
966 chamber	ChengYu	966 Room	966	Jun. 06. 2020	Jun. 05, 2023
Receiver	R&S	ESR3	102075	May 28, 2021	May 27, 2022
Receiver	R&S	ESRP	101154	May 28, 2021	May 27, 2022
Amplifier	SKET	LAPA_01G18 G-45dB	\	May 28, 2021	May 27, 2022
Amplifier	Schwarzbeck	BBV9744	9744-0037	May 28, 2021	May 27, 2022
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	942	Jun. 01, 2021	May 31, 2022
Horn Antenna	Schwarzbeck	BBHA9120D	1541	Jun. 02, 2021	Jun. 01, 2022
Horn Antenn (18GHz-40GH z)	Schwarzbeck	BBHA9170	00822	Jun. 15, 2021	Jun. 14, 2022
Amplifier (18GHz-40GH z)	MITEQ	TTA1840-35- HG	2034381	May 28, 2021	May 27, 2022
Loop Antenna (9KHz-30MHz )	Schwarzbeck	FMZB1519B	00014	Jun. 02, 2021	Jun. 01, 2022
RF cables1 (9kHz-30MHz)	Huber+Suhnar	9kHz-30MHz	B1702988-000 8	May 28, 2021	May 27, 2022
RF cables2 (30MHz-1GHz )	Huber+Suhnar	30MHz-1GHz	1486150	May 28, 2021	May 27, 2022
RF cables3 (1GHz-40GHz )	Huber+Suhnar	1GHz-40GHz	1607106	May 28, 2021	May 27, 2022
Power Metter	Keysight	E4419		May 28, 2021	May 27, 2022
Power Sensor (AV)	Keysight	E9300A	The state of the s	May 28, 2021	May 27, 2022
Signal Analyzer 20kHz-26.5G Hz	Keysight	N9020A	MY49100060	May 28, 2021	May 27, 2022
Spectrum Analyzer 9kHz-40GHz	R&S	FSP 40		May 28, 2021	May 27, 2022
Software	Frad	EZ-EMC	FA-03A2 RE		Y

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#### 6. Conducted Emissions

#### 6.1 Block Diagram Of Test Setup



#### 6.2 Limit

Fraguency (MU=)	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).

## 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.

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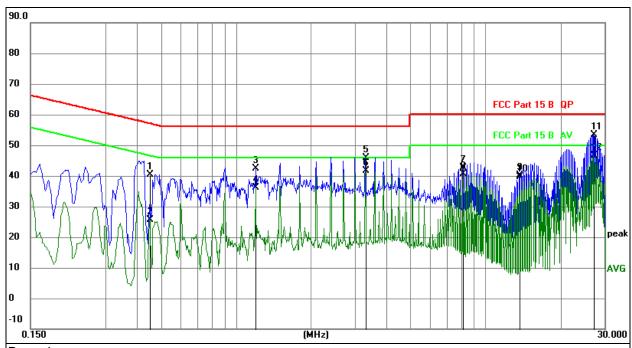
b. The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak and AVG detector in Max Hold mode. Run the receiver's pre-scan to record the maximum disturbance generated from Product in all power lines in the full band.

c. For each frequency whose maximum record was higher or close to limit, measure its QP and AVG values and record.



#### 6.5 Test Result

Temperature:	<b>26</b> ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	L
Test Mode:	Mode 3	Test Voltage:	AC 120V/60Hz



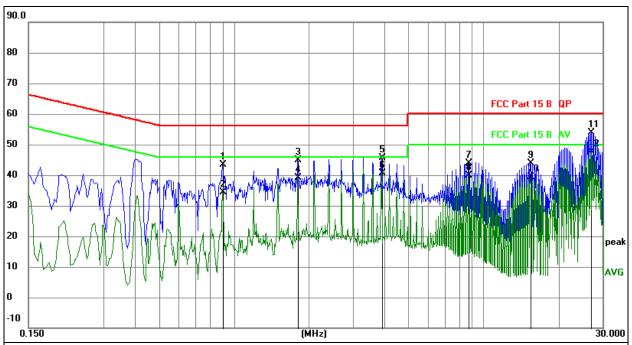
#### Remark:

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

Mk. Freq				1 2 24	Over	
MHz		dB	dBuV	dBuV	dB	Detector
0.45	15 20.76	19.61	40.37	56.85	-16.48	QP
0.45	15 6.14	19.61	25.75	46.85	-21.10	AVG
1.20	30 22.68	19.62	42.30	56.00	-13.70	QP
1.20	30 16.58	19.62	36.20	46.00	-9.80	AVG
3.304	45 26.35	19.65	46.00	56.00	-10.00	QP
3.304	45 22.10	19.65	41.75	46.00	-4.25	AVG
8.110	05 22.97	19.75	42.72	60.00	-17.28	QP
8.110	05 20.87	19.75	40.62	50.00	-9.38	AVG
13.66	30 20.46	19.78	40.24	60.00	-19.76	QP
13.66	30 19.73	19.78	39.51	50.00	-10.49	AVG
27.19	05 33.56	19.73	53.29	60.00	-6.71	QP
* 27.190	05 26.89	19.73	46.62	50.00	-3.38	AVG
	MHz 0.45 0.45 1.203 1.203 3.304 3.304 8.110 8.110 13.668 13.668	Mk. Freq. Level  MHz  0.4515 20.76  0.4515 6.14  1.2030 22.68  1.2030 16.58  3.3045 26.35  3.3045 22.10  8.1105 22.97  8.1105 20.87  13.6680 20.46  13.6680 19.73  27.1905 33.56	Mk.         Freq.         Level         Factor           MHz         dB           0.4515         20.76         19.61           0.4515         6.14         19.61           1.2030         22.68         19.62           1.2030         16.58         19.62           3.3045         26.35         19.65           3.3045         22.10         19.65           8.1105         22.97         19.75           8.1105         20.87         19.75           13.6680         20.46         19.78           13.6680         19.73         19.78           27.1905         33.56         19.73	Mk.         Freq.         Level         Factor         ment           MHz         dB         dBuV           0.4515         20.76         19.61         40.37           0.4515         6.14         19.61         25.75           1.2030         22.68         19.62         42.30           1.2030         16.58         19.62         36.20           3.3045         26.35         19.65         46.00           3.3045         22.10         19.65         41.75           8.1105         22.97         19.75         42.72           8.1105         20.87         19.75         40.62           13.6680         20.46         19.78         40.24           13.6680         19.73         19.78         39.51           27.1905         33.56         19.73         53.29	Mk.         Freq.         Level         Factor         ment         Limit           MHz         dB         dBuV         dBuV           0.4515         20.76         19.61         40.37         56.85           0.4515         6.14         19.61         25.75         46.85           1.2030         22.68         19.62         42.30         56.00           1.2030         16.58         19.62         36.20         46.00           3.3045         26.35         19.65         46.00         56.00           3.3045         22.10         19.65         41.75         46.00           8.1105         22.97         19.75         42.72         60.00           8.1105         20.87         19.75         40.62         50.00           13.6680         20.46         19.78         40.24         60.00           13.6680         19.73         19.78         39.51         50.00           27.1905         33.56         19.73         53.29         60.00	Mk.         Freq.         Level         Factor         ment         Limit         Over           MHz         dB         dBuV         dBuV         dB           0.4515         20.76         19.61         40.37         56.85         -16.48           0.4515         6.14         19.61         25.75         46.85         -21.10           1.2030         22.68         19.62         42.30         56.00         -13.70           1.2030         16.58         19.62         36.20         46.00         -9.80           3.3045         26.35         19.65         46.00         56.00         -10.00           3.3045         22.10         19.65         41.75         46.00         -4.25           8.1105         22.97         19.75         42.72         60.00         -17.28           8.1105         20.87         19.75         40.62         50.00         -9.38           13.6680         20.46         19.78         40.24         60.00         -19.76           13.6680         19.73         19.78         39.51         50.00         -10.49           27.1905         33.56         19.73         53.29         60.00         -6.71 </td



Temperature:	<b>26</b> ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Ν
Test Mode:	Mode 3	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

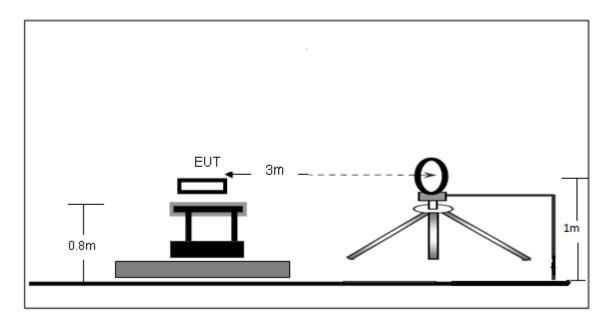
IVIOGOGI	OIIIOIIC LIII				-		
Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz		dB	dBuV	dBuV	dB	Detector
	0.9015	23.77	19.61	43.38	56.00	-12.62	QP
	0.9015	14.83	19.61	34.44	46.00	-11.56	AVG
	1.8015	25.27	19.62	44.89	56.00	-11.11	QP
	1.8015	19.58	19.62	39.20	46.00	-6.80	AVG
	3.9075	26.02	19.67	45.69	56.00	-10.31	QP
	3.9075	20.99	19.67	40.66	46.00	-5.34	AVG
	8.7090	24.07	19.76	43.83	60.00	-16.17	QP
	8.7090	20.18	19.76	39.94	50.00	-10.06	AVG
	15.4680	24.13	19.77	43.90	60.00	-16.10	QP
	15.4680	19.55	19.77	39.32	50.00	-10.68	AVG
	26.8890	34.19	19.73	53.92	60.00	-6.08	QP
*	26.8890	27.81	19.73	47.54	50.00	-2.46	AVG
	Mk.	Mk. Freq.  MHz  0.9015  0.9015  1.8015  1.8015  3.9075  3.9075  8.7090  8.7090  15.4680  15.4680  26.8890	Mk. Freq. Reading Level  MHz  0.9015 23.77  0.9015 14.83  1.8015 25.27  1.8015 19.58  3.9075 26.02  3.9075 20.99  8.7090 24.07  8.7090 20.18  15.4680 24.13  15.4680 19.55  26.8890 34.19	Mk.         Freq.         Reading Level         Correct Factor           MHz         dB           0.9015         23.77         19.61           0.9015         14.83         19.61           1.8015         25.27         19.62           1.8015         19.58         19.62           3.9075         26.02         19.67           3.9075         20.99         19.67           8.7090         24.07         19.76           8.7090         20.18         19.76           15.4680         24.13         19.77           15.4680         19.55         19.77           26.8890         34.19         19.73	Mk.         Freq.         Reading Level         Correct Factor         Measurement           MHz         dB         dBuV           0.9015         23.77         19.61         43.38           0.9015         14.83         19.61         34.44           1.8015         25.27         19.62         44.89           1.8015         19.58         19.62         39.20           3.9075         26.02         19.67         45.69           3.9075         20.99         19.67         40.66           8.7090         24.07         19.76         43.83           8.7090         20.18         19.76         39.94           15.4680         24.13         19.77         43.90           15.4680         19.55         19.77         39.32           26.8890         34.19         19.73         53.92	Mk.         Freq.         Reading Level         Correct Factor         Measurement Measurement         Limit           MHz         dB         dBuV         dBuV           0.9015         23.77         19.61         43.38         56.00           0.9015         14.83         19.61         34.44         46.00           1.8015         25.27         19.62         44.89         56.00           1.8015         19.58         19.62         39.20         46.00           3.9075         26.02         19.67         45.69         56.00           8.7090         24.07         19.76         43.83         60.00           8.7090         20.18         19.76         39.94         50.00           15.4680         24.13         19.77         43.90         60.00           15.4680         19.55         19.77         39.32         50.00           26.8890         34.19         19.73         53.92         60.00	Mk.         Freq.         Reading Level         Correct Factor         Measurement Measurement         Limit         Over           MHz         dB         dBuV         dBuV         dB           0.9015         23.77         19.61         43.38         56.00         -12.62           0.9015         14.83         19.61         34.44         46.00         -11.56           1.8015         25.27         19.62         44.89         56.00         -11.11           1.8015         19.58         19.62         39.20         46.00         -6.80           3.9075         26.02         19.67         45.69         56.00         -10.31           3.9075         20.99         19.67         40.66         46.00         -5.34           8.7090         24.07         19.76         43.83         60.00         -16.17           8.7090         20.18         19.76         39.94         50.00         -10.06           15.4680         24.13         19.77         43.90         60.00         -16.10           15.4680         19.55         19.77         39.32         50.00         -10.68           26.8890         34.19         19.73         53.92         60.



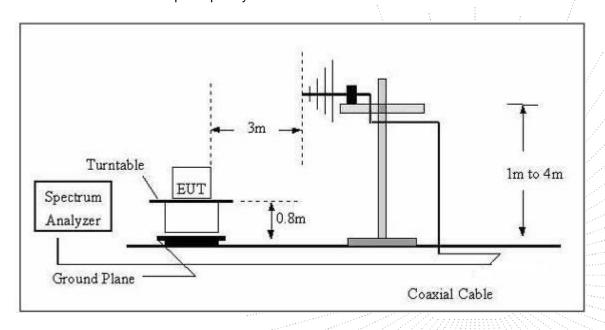
#### 7. Radiated Emissions

## 7.1 Block Diagram Of Test Setup

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



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



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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				
	Above 1000MHz	500	54.0	Average	3				
	Above 1000ivinz		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.

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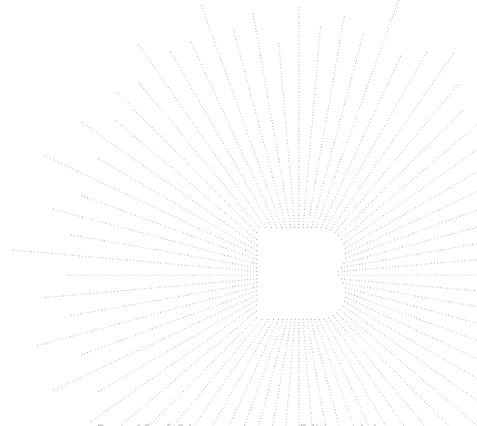
f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified 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.



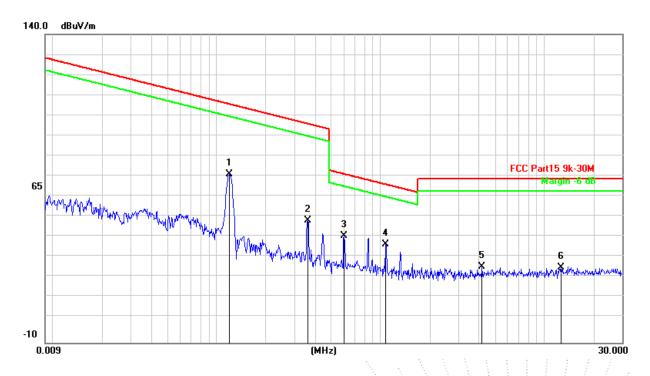
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#### 7.4 Test Result

9kHz-30MHz

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 3	Polarization :	



Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector
(kHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
0.1197	82.10	-10.14	71.96	126.04	-54.08	PK
0.1197	80.23	-10.14	70.09	106.04	-35.95	AV
0.3607	59.74	-10.27	49.47	116.46	-66.99	PK
0.3607	57.69	-10.27	47.42	96.46	-49.04	AV
0.6013	52.12	-10.26	41.86	92.02	-50.16	PK
0.6013	49.51	-10.26	39.25	72.02	-32.77	AV
1.0783	48.01	-10.23	37.78	20.95	16.83	PK
1.0783	45.97	-10.23	35.74	0.95	34.79	AV
4.1789	36.49	-9.69	26.8	69.54	-42.74	QP
12.6969	36.11	-9.42	26.69	69.54	-42.85	QP

#### Note:

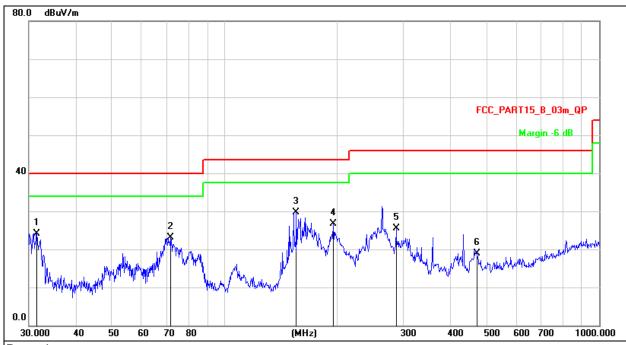
Pre-scan in the all of mode, the worst case in of was recorded. Factor = antenna factor + cable loss – pre-amplifier.

Margin = Emission Level- Limit.



#### Between 30MHz - 1GHz

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 3	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.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	,	31.5095	41.15	-17.00	24.15	40.00	-15.85	QP
2		71.8320	41.74	-18.60	23.14	40.00	-16.86	QP
3	* 1	55.3644	48.92	-19.16	29.76	43.50	-13.74	QP
4	1	95.1365	43.36	-16.61	26.75	43.50	-16.75	QP
5	2	86.9823	39.55	-14.00	25.55	46.00	-20.45	QP
6	4	72.1760	28.33	-9.51	18.82	46.00	-27.18	QP



Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 3	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.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	30.1990	56.14	-17.24	38.90	40.00	-1.10	QP
2		48.6719	42.33	-14.92	27.41	40.00	-12.59	QP
3	İ	86.8068	52.87	-18.84	34.03	40.00	-5.97	QP
4	İ	154.8204	57.20	-19.19	38.01	43.50	-5.49	QP
5		177.5091	49.36	-17.74	31.62	43.50	-11.88	QP
6		263.8190	42.94	-14.72	28.22	46.00	-17.78	QP



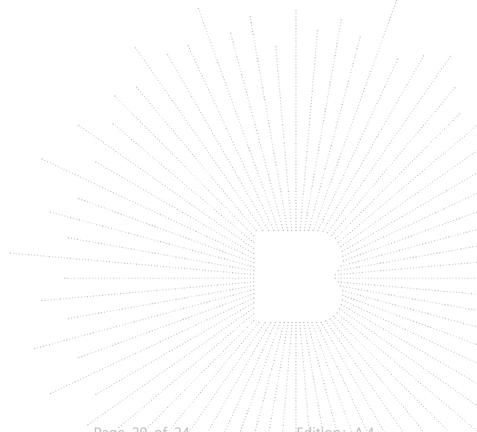
## 8. Antenna Requirements

#### 8.1 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.

#### 8.2 Test Result

The EUT antenna is loop coil antenna, fulfill the requirement of this section.



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## 9. EUT Photographs

**EUT Photo** 



NOTE: Appendix-Photographs Of EUT Constructional Details



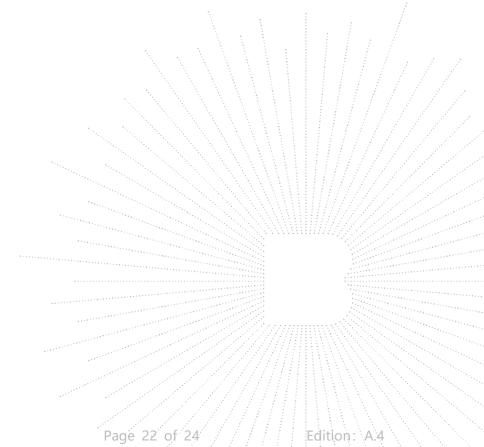




## 10. EUT Test Setup Photographs

#### Conducted emissions

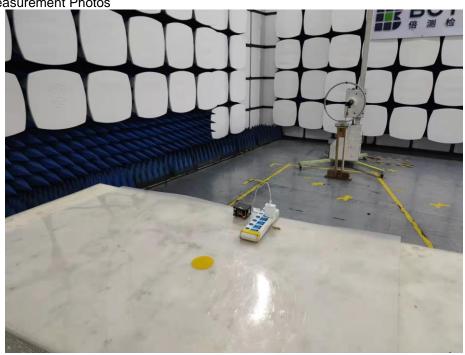




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## **STATEMENT**

- 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 stamp of laboratory.
- 4. The test report is invalid without signature of person(s) testing and authorizing.
- 5. The test process and test result is only related to the Unit Under Test.
- 6. The quality system of our laboratory is in accordance with ISO/IEC17025.
- 7.If there is any objection to 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, Tangwei, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

TEL: 400-788-9558

P.C.: 518103

FAX: 0755-33229357

Website: http://www.chnbctc.com

E-Mail: bctc@bctc-lab.com.cn

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

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