

TEST REPORT

Report No.:	BCTC2308143697-1E					
Applicant:	Guangdong Xizhongxi Technology Co., Ltd.					
Product Name:	Two in one wireless charging					
Model/Type Ref.:	ME06					
Tested Date:	2023-08-07 to 2023-08-16					
Issued Date:	2023-08-18					
She	enzhen BCTC Testing Co., Ltd.					
No. : BCTC/RF-EMC-005	Page 1 of 30					



FCC ID: 2A5LA-ME06

Product Name:	Two in one wireless charging
Trademark:	N/A
Model/Type Ref.:	ME06 ME10
Prepared For:	Guangdong Xizhongxi Technology Co., Ltd.
Address:	Building 7, No. 1, Jizhou Middle Road, Daojiao Town, Dongguan City, Guangdong Province, China
Manufacturer:	Guangdong Xizhongxi Technology Co., Ltd.
Address:	Building 7, No. 1, Jizhou Middle Road, Daojiao Town, Dongguan City, Guangdong Province, 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:	2023-08-04
Sample tested Date:	2023-08-07 to 2023-08-16
Issue Date:	2023-08-18
Report No.:	BCTC2308143697-1E
Test Standards:	FCC Part15.209 ANSI C63.10-2013
Test Results:	PASS

Tested by: Zil av

Eric Yang/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.



Table Of Content

Test	Report Declaration	Page
1.	Version	4
2.	Test Summary	5
3.	Measurement Uncertainty	6
4.	Product Information And Test Setup	
4.1	Product Information	
4.2	Support Equipment	7
4.3	Test Setup Configuration	
4.4	Test Mode	
5.	Test Facility And Test Instrument Used	
5.1	Test Facility	
5.2	Test Instrument Used	9
6.	Conducted Emissions	
6.1	Block Diagram Of Test Setup	11
6.2	Limit	
6.3	Test Procedure	11
6.4	EUT Operating Conditions	
6.5	Test Result	
7.	Radiated Emissions	
7.1	Block Diagram Of Test Setup	14
7.2	Limit	
7.3	Test Procedure	
7.4	Test Result	
8.	Bandwidth Test	
9.	Antenna Requirements	
10.	FUT Photographs	27
11.	EUT Test Setup Photographs	28

(Note: N/A Means Not Applicable)

,TC

3C

PR

测



1. Version

Report No.	Issue Date	Description	Approved
BCTC2308143697-1E	2023-08-18	Original	Valid



检



Page 4 of 30

Edition B.0



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



No.: BCTC/RF-EMC-005

Edition B.0



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	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 ℃



4. Product Information And Test Setup

4.1 Product Information

Model/Type Ref.:	ME06 ME10
Model differences:	All the model are the same circuit and RF module, except model names.
Product Description:	Two in one wireless charging
Operation Frequency:	115kHz-220kHz(Phone) 300kHz-360kHz(IWATCH)
Antenna installation:	loop coil antenna
Ratings:	DC 3.7V From Battery USB Input: DC 5V/2A USB Ouput: DC 5V/2A Wireless Charging Output: 5W(Phone) Wireless Charging Output: 2.5W(IWATCH)

4.2 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-2	Dummy load	N/A	DL01	N/A	Auxiliary
E-3	Adapter	N/A	CD226	N/A	Auxiliary
E-4	Adapter	N/A	HW-110600C02	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.

Page 7 of 30

Edition B.0

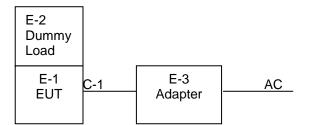
ENZ



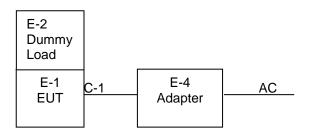
4.3 Test Setup Configuration

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

Conducted Emission:



Radiated Spurious Emission



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.

	Test Mode 1	AC Charging+ Wireless Charging+ Full load(5W(Phone)
	Test Mode 2	AC Charging+ Wireless Charging+ Half-load(5W(Phone)
	Test Mode 3	AC Charging+ Wireless Charging+ Null load(5W(Phone)
10	Test Mode 4	AC Charging+ Wireless Charging+ Full load(2.5W(IWATCH)
AC Mode	Test Mode 5	AC Charging+ Wireless Charging+ Half-load(2.5W(IWATCH)
wode	Test Mode 6	AC Charging+ Wireless Charging+ Null load(2.5W(IWATCH)
	Test Mode 7	AC Charging+ Wireless Charging+ Full load(5W(Phone)+ (2.5W(IWATCH) *
	Test Mode 8	AC Charging+ Wireless Charging+ Half-load(5W(Phone)+ (2.5W(IWATCH)
	Test Mode 9	AC Charging+ Wireless Charging+ Null load(5W(Phone)+ (2.5W(IWATCH)
	Test Mode 10	Wireless Charging+ Full load(5W(Phone)
	Test Mode 11	Wireless Charging+ Half-load(5W(Phone)
	Test Mode 12	Wireless Charging+ Null load(5W(Phone)
DC	Test Mode 13	Wireless Charging+ Full load(2.5W(IWATCH)
Mode	Test Mode 14	Wireless Charging+ Half-load(2.5W(IWATCH)
wode	Test Mode 15	Wireless Charging+ Null load(2.5W(IWATCH)
	Test Mode 16	Wireless Charging+ Full load(5W(Phone)+ (2.5W(IWATCH) *
	Test Mode 17	Wireless Charging+ Half-load(5W(Phone)+ (2.5W(IWATCH)
	Test Mode 18	Wireless Charging+ Null load(5W(Phone)+ (2.5W(IWATCH)

Note:

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



,TC

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

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	/	١
Attenuator	/	10dB DC-6GHz	1650	May 15, 2023	May 14, 2024

5.2 Test Instrument Used

		PE Conc	Jucted Test		
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Power Meter	Keysight	E4419	λ	May 15, 2023	May 14, 2024
Power Sensor (AV)	Keysight	E9300A	١	May 15, 2023	May 14, 2024
Signal Analyzer20kH z-26.5GHz	Keysight	N9020A	MY49100060	May 15, 2023	May 14, 2024
Spectrum Analyzer9kHz- 40GHz	R&S	FSP40	100363	May 15, 2023	May 14, 2024

Page 9 of 30 Edition B.0



Radiated Emissions Test (966 Chamber01)					
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 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 15, 2023	May 14, 2024
Loop Antenna(9KHz -30MHz)	Schwarzbeck	FMZB1519B	00014	May 15, 2023	May 14, 2024
Amplifier	SKET	LAPA_01G18 G-45dB	١	May 15, 2023	May 14, 2024
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 15, 2023	May 14, 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 15, 2023	May 14, 2024
Spectrum Analyzer9kHz- 40GHz	R&S	FSP40	100363	May 15, 2023	May 14, 2024
Software	Frad	EZ-EMC	FA-03A2 RE	\	\

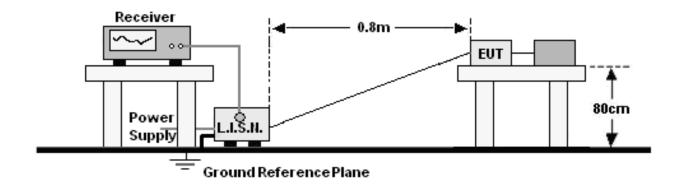
检

Page 10 of 30



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.

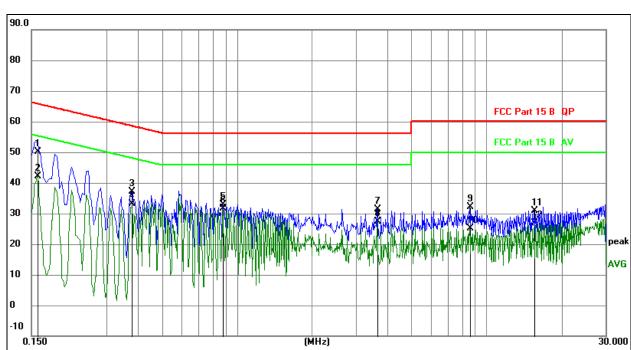
6.4 EUT Operating Conditions

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.



6.5 Test Result

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Phase :	L
Test Voltage :	AC 120V/60Hz	Test Mode:	Mode 7



Remark:

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

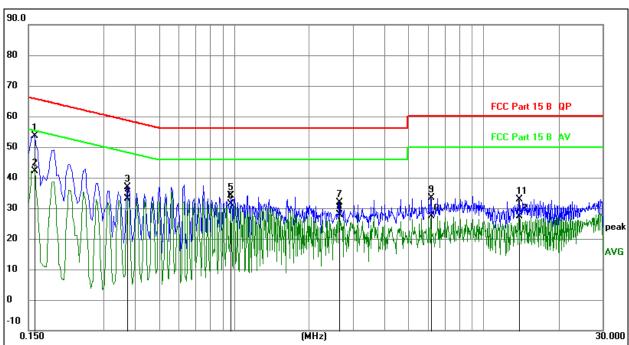
3. Measurement=Reading Level+ Correct Factor 4. Over=Measurement-Limit

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz		dB	dBuV	dBuV	dB	Detector
1	0.1582	40.62	9.53	50.15	65.56	-15.41	QP
2 *	0.1582	32.57	9.53	42.10	55.56	-13.46	AVG
3	0.3791	27.52	9.62	37.14	58.30	-21.16	QP
4	0.3791	23.61	9.62	33.23	48.30	-15.07	AVG
5	0.8757	23.16	9.68	32.84	56.00	-23.16	QP
6	0.8757	21.89	9.68	31.57	46.00	-14.43	AVG
7	3.6418	21.68	9.82	31.50	56.00	-24.50	QP
8	3.6418	17.45	9.82	27.27	46.00	-18.73	AVG
9	8.5463	22.45	9.70	32.15	60.00	-27.85	QP
10	8.5463	15.55	9.70	25.25	50.00	-24.75	AVG
11	15.4701	21.29	9.67	30.96	60.00	-29.04	QP
12	15.4701	17.11	9.67	26.78	50.00	-23.22	AVG

No.: BCTC/RF-EMC-005



Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Phase :	Ν
Test Voltage :	AC 120V/60Hz	Test Mode:	Mode 7



Remark:

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

- 4. Over=Measurement-Limit

• • • •						1.		
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1	*	0.1590	44.16	9.53	53.69	65.52	-11.83	QP
2		0.1590	32.57	9.53	42.10	55.52	-13.42	AVG
3		0.3750	27.36	9.62	36.98	58.39	-21.41	QP
4		0.3750	23.58	9.62	33.20	48.39	-15.19	AVG
5		0.9735	24.37	9.72	34.09	56.00	-21.91	QP
6		0.9735	21.61	9.72	31.33	46.00	-14.67	AVG
7		2.6475	22.01	9.77	31.78	56.00	-24.22	QP
8		2.6475	18.08	9.77	27.85	46.00	-18.15	AVG
9		6.1800	23.51	9.77	33.28	60.00	-26.72	QP
10		6.1800	17.68	9.77	27.45	50.00	-22.55	AVG
11		13.8750	23.23	9.66	32.89	60.00	-27.11	QP
12		13.8750	17.81	9.66	27.47	50.00	-22.53	AVG

No.: BCTC/RF-EMC-005

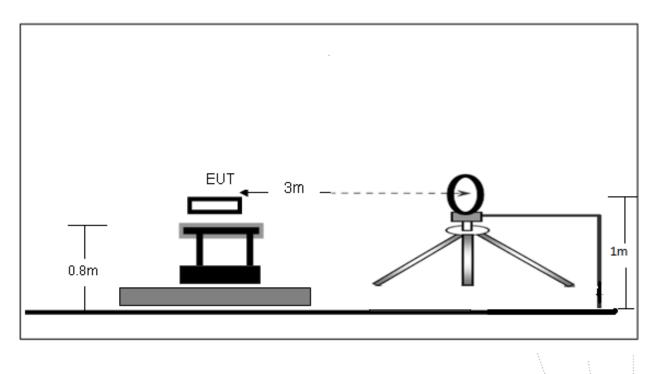
ENZ



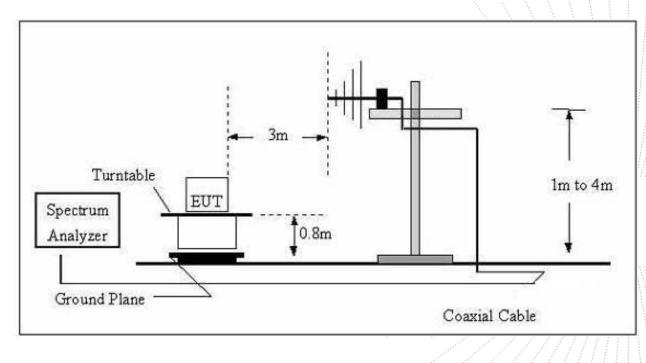
7. Radiated Emissions

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

Edition : B.0



7.2 Limit

FCC §15.209; §15.205.

Test Standard	FCC Part15 C Section 15.2	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 100010111Z	-	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 chamber. 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.



Edition: B.0



Above 1GHz test procedure as below:

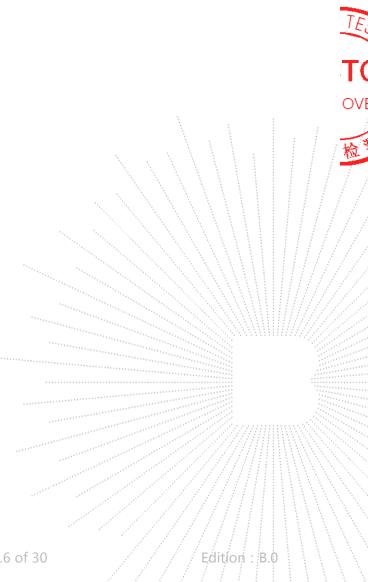
Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic g. Chamber and change form table 0.8 metre to 1.5 metre(Above 18GHz the distance is 1 meter and table is 1.5 metre).

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.

7.4 Test Result

Note : It only shows the worst mode 1, full load.

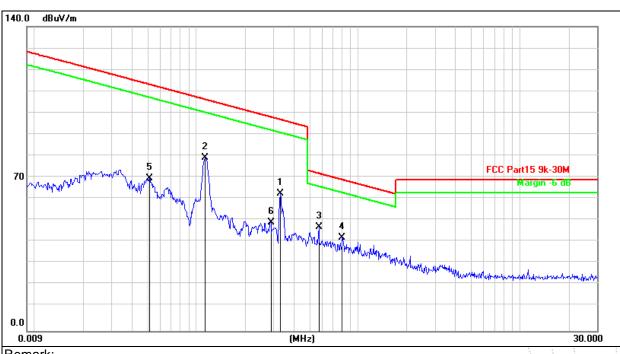


No.: BCTC/RF-EMC-005



9kHz-30MHz

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101 kPa	Test Voltage :	AC 120V/60Hz
Test Mode :	Mode 7(mobile)	Polarization :	Coaxial



Remark:

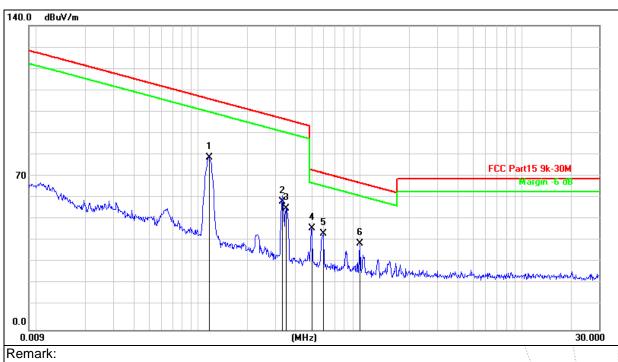
1.Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor

3	Over=Measurement	-l imit
υ.		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		0.3299	73.27	-9.93	63.34	97.24	-33.90	peak
2		0.1140	89.29	-9.83	79.46	106.4	-27.01	peak
3	*	0.5726	57.69	-10.00	47.69	72.45	-24.76	peak
4		0.7986	52.73	-9.81	42.92	69.57	-26.65	peak
5		0.0514	80.08	-9.96	70.12	113.3	-43.27	peak
6		0.2898	59.90	-9.89	50.01	98.36	-48.35	peak



Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101 kPa	Test Voltage :	DC 3.7V
Test Mode :	Mode 16(portable)	Polarization :	Coaxial



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	0.1168	88.98	-9.82	79.16	106.2	-27.10	peak
2	0.3272	68.82	-9.92	58.90	97.31	-38.41	peak
3	0.3492	65.80	-9.94	55.86	96.74	-40.88	peak
4 *	0.5030	56.68	-10.08	46.60	73.57	-26.97	peak
5	0.5916	54.13	-9.97	44.16	72.17	-28.01	peak
6	0.9943	49.42	-9.73	39.69	67.67	-27.98	peak

2 CO.,LT



Between 30MHz – 1GHz

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101 kPa	Test Voltage :	AC 120V/60Hz
Test Mode :	Mode 7(mobile)	Polarization :	Horizontal



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

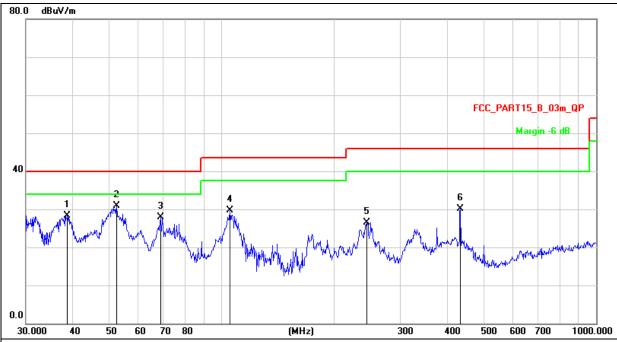
2. Measurement=Reading Level+ Correct Factor 3. Over=Measurement-Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		51.1209	33.12	-15.76	17.36	40.00	-22.64	QP
2	1	06.3850	37.13	-18.18	18.95	43.50	-24.55	QP
3	* 2	35.8164	44.63	-16.27	28.36	46.00	-17.64	QP
4	3	31.3546	41.10	-13.46	27.64	46.00	-18.36	QP
5	4	34.0651	37.41	-11.72	25.69	46.00	-20.31	QP
6	8	78.3214	26.25	-4.83	21.42	46.00	-24.58	QP

ENZH



Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101 kpa	Test Voltage :	AC 120V/60Hz
Test Mode :	Mode 7(mobile)	Polarization :	Vertical



Remark:

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		38.7518	45.27	-16.93	28.34	40.00	-11.66	QP
2	*	52.3912	46.79	-15.95	30.84	40.00	-9.16	QP
3		68.8721	47.57	-19.63	27.94	40.00	-12.06	QP
4		105.2718	47.82	-18.11	29.71	43.50	-13.79	QP
5	2	244.2321	42.55	-16.01	26.54	46.00	-19.46	QP
6	4	434.0651	41.84	-11.72	30.12	46.00	-15.88	QP

E

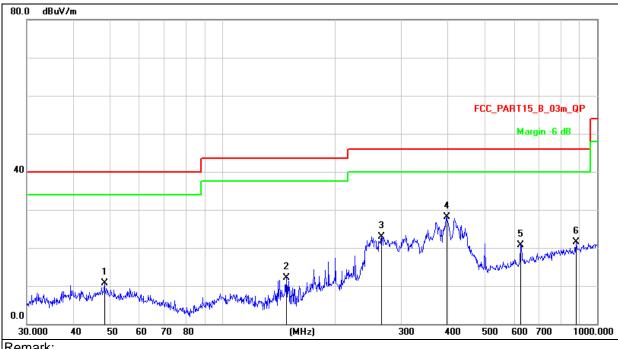


JC JC JC

测

Edition : B.O

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101 kPa	Test Voltage :	DC 3.7V
Test Mode :	Mode 16(portable)	Polarization :	Horizontal



Remark:

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

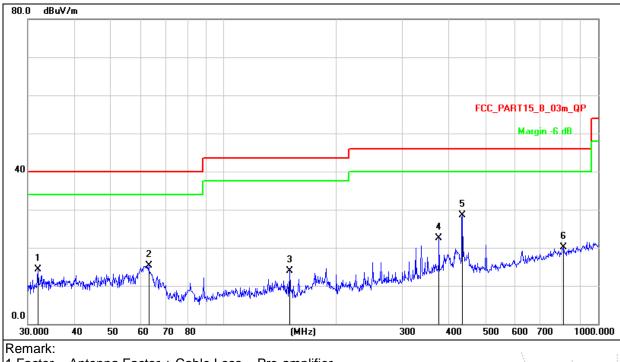
2. Measurement=Reading Level+ Correct Factor

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		48.3318	26.41	-15.78	10.63	40.00	-29.37	QP
2	1	47.9214	33.03	-20.91	12.12	43.50	-31.38	QP
3	2	265.6757	38.36	-15.44	22.92	46.00	-23.08	QP
4	* 3	396.2415	40.30	-12.25	28.05	46.00	-17.95	QP
5	6	\$25.0780	28.81	-8.05	20.76	46.00	-25.24	QP
6	8	378.3214	26.34	-4.83	21.51	46.00	-24.49	QP



Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101 kpa	Test Voltage :	DC 3.7V
Test Mode :	Mode 16(portable)	Polarization :	Vertical



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		31.9546	32.40	-18.06	14.34	40.00	-25.66	QP
2		63.0916	33.33	-17.97	15.36	40.00	-24.64	QP
3		150.0108	34.90	-21.05	13.85	43.50	-29.65	QP
4		375.9385	34.95	-12.49	22.46	46.00	-23.54	QP
5	*	434.0651	40.32	-11.72	28.60	46.00	-17.40	QP
6		807.4291	25.67	-5.51	20.16	46.00	-25.84	QP

No. : BCTC/RF-EMC-005

Edition : B.0



8. Bandwidth Test

- 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.

TEST SETUP



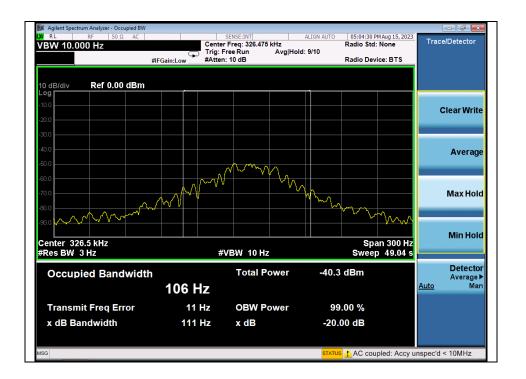


Temperature : 26 ℃	Rela	lative Humidity :	54%
Pressure : 101kPa			

Frequency (KHz)	20dB bandwidth (Hz)	Result
122.2	0.138	Pass
326.5	0.111	Pass







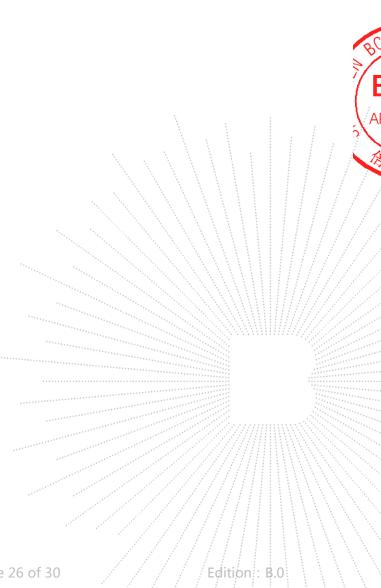
CHENZHER

Page 25 of 30



9. Antenna Requirements

For intentional device, according to FCC 47 CFR Section 15.203, An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. The antenna used for this product is Inductive loop coil antenna.



No.: BCTC/RF-EMC-005



10. EUT Photographs





No. : BCTC/RF-EMC-005



Edition : B.0

,TC 3C

PR

测



11. EUT Test Setup Photographs

Conducted Emissions Photo



Radiated Measurement Photos



检





Page 29 of 30

) ED



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

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

***** END *****

Page 30 of 30