

# **TEST REPORT**

Report No.: BCTC2410754841-1E

Applicant: PGYTECH CO.,LTD.

Product Name: MagCam Phone Grip

Test Model: PG-005

Tested Date: 2024-10-11 to 2024-10-30

Issued Date: 2024-10-30

Shenzhen BCTC Testing Co., Ltd.



No.: BCTC/RF-EMC-005 Page 1/of 28 / / / / Edition: B.2



## FCC ID: 2A8CE-WPG-005

Product Name: MagCam Phone Grip

Trademark: PGYTECH

Model/Type Reference: PG-005

PG-035, PG-036, PG-037, PG-038, PG-039

Prepared For: PGYTECH CO.,LTD.

Address: No.2 15A01, No.505, Guangming Road, Huaqiao Town, Kunshan, China

Manufacturer: PGYTECH CO.,LTD.

Address: No.2 15A01, No.505, Guangming Road, Huagiao Town, Kunshan, 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: 2024-10-11

Sample Tested Date: 2024-10-11 to 2024-10-30

Issue Date: 2024-10-30

Report No.: BCTC2410754841-1E

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 28

Edition: B.2



### **Table Of Content**

I es	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	
5.	Test Facility And Test Instrument Used	10
5.1	Test Facility	10
5.2	Test Instrument Used	10
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	
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	
11.	EUT Test Setup Photographs	26

(Note: N/A Means Not Applicable)





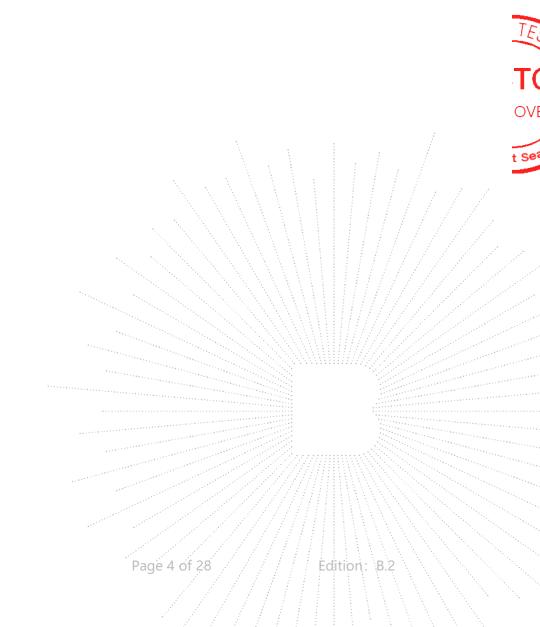






### 1. Version

Report No.	Issue Date	Description	Approved
BCTC2410754841-1E	2024-10-30	Original	Valid



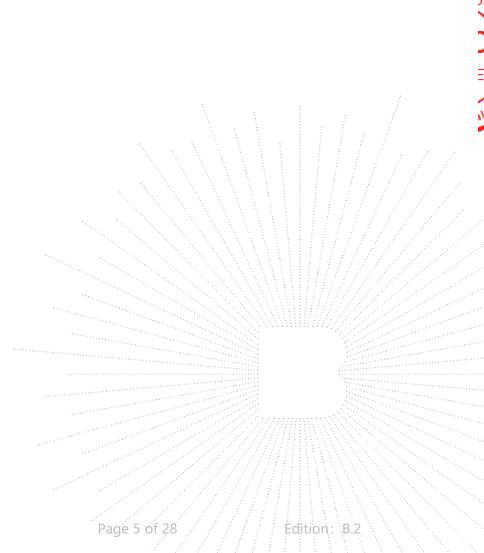
No.: BCTC/RF-EMC-005



#### **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



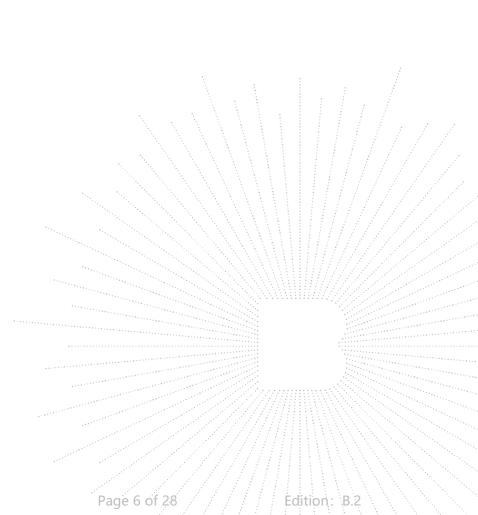
No.: BCTC/RF-EMC-005



## 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



### 4. Product Information And Test Setup

#### 4.1 Product Information

Model/Type Reference: PG-005

PG-035, PG-036, PG-037, PG-038, PG-039

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

appearance of the color.

Hardware Version: N/A
Software Version: N/A
Modulation: ASK

Operation Frequency: 115kHz-205kHz
Antenna installation: loop coil antenna
Ratings: Input: DC 5V/2A

Type-C Output: DC 5V/2A Wireless charging: 5W Battery: DC 3.6V

(When the EUT is in charging mode, the wireless charging cannot work at the same

time)

#### 4.2 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note /
E-1	MagCam Phone Grip	PGYTECH	PG-005	N/A	EUT/
E-2	ADAPTER	Hoco.	N18	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.

No.: BCTC/RF-EMC-005 Page 7 of 28 / / / Edition: B.Z

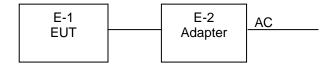


### 4.3 Test Setup Configuration

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

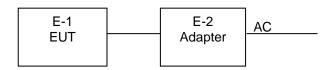
#### Conducted Emission:

Test Mode 1

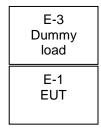


#### Radiated Spurious Emission:

Test Mode 1



#### Test Mode 2, 3, 4



No.: BCTC/RF-EMC-005 Page 8 of 28 / / Edition:

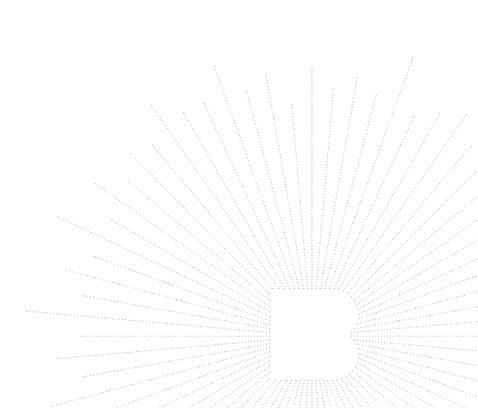


#### 4.4 Test Mode

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
	Mode 2	Full Load(115-205kHz, 5W)
DC Mode	Mode 3	Half Load(115-205kHz, 2.5W)
	Mode 4	Null 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 Edition:



### 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	\	\
Pulse limiter	Schwarzbeck	VTSD9561-F	01323	May 16, 2024	May 15, 2025

			· ·		
		RF Cond	ucted Test		. 1 . 7
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Power Meter	Keysight	E4419		May 16, 2024	May 15, 2025
Power Sensor (AV)	Keysight	E9300A	The state of the s	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		May 16, 2024	May 15, 2025

No.: BCTC/RF-EMC-005 Page 10 of 28 / / / / Edition: B.2



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	\	\

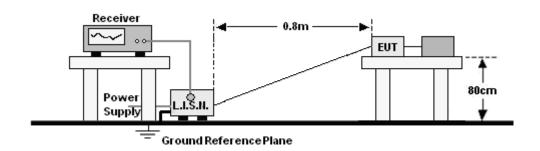
Radiated Emissions Test (966 Chamber02)					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
966 chamber	SKET	966 Room	966	Nov. 02. 2021	Nov. 01.2024
Receiver	R&S	ESR3	102075	May 16, 2024	May 15, 2025
Receiver	R&S	ESRI7	100010	Nov. 13. 2023	Nov. 12, 2024
Amplifier	SKET	LNPA-30M01 G-30	SK2021082004	Nov. 13. 2023	Nov. 12, 2024
TRILOG Broadband Antenna	Schwarzbeck	VULB9168	1323	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		1

No.: BCTC/RF-EMC-005 Page 11 of 28 / / / Edition B.2



#### 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

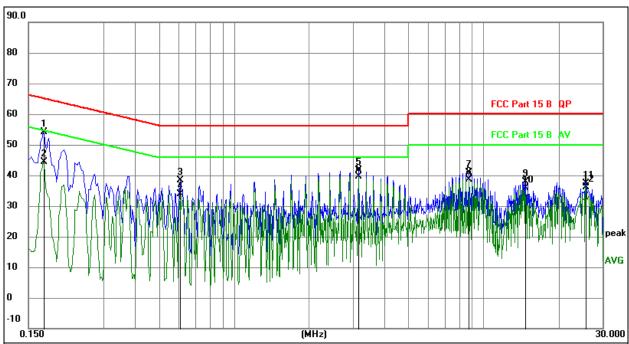
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

No.: BCTC/RF-EMC-005 Page 12 of 28 / / Edition B.2



#### 6.5 Test Result

Temperature:	26 ℃	Relative Humidity:	54%RH
Pressure:	101KPa	Phase :	L
Test Mode:	Mode 1	Test Voltage:	AC 120V/60Hz



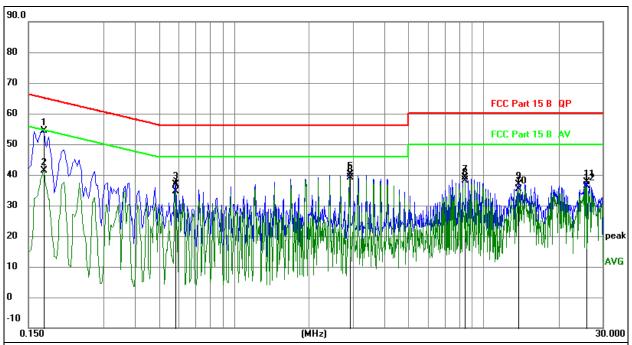
#### Remark:

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

4. Over	= ivieasu	rement - Lim						1 1
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.1722	34.17	20.07	54.24	64.85	-10.61	QP
2		0.1722	24.41	20.07	44.48	54.85	-10.37	AVG
3		0.6075	18.36	20.09	38.45	56.00	-17.55	QP
4		0.6075	13.83	20.09	33.92	46.00	-12.08	AVG
5		3.1563	21.53	20.12	41.65	56.00	-14.35	QP
6	*	3.1563	19.54	20.12	39.66	46.00	-6.34	AVG
7		8.7293	20.67	20.17	40.84	60.00	-19.16	QP
8		8.7293	18.45	20.17	38.62	50.00	-11.38	AVG
9		14.6718	17.59	20.30	37.89	60.00	-22.11	QP
10		14.6718	15.62	20.30	35.92	50.00	-14.08	AVG
11		25.5912	17.09	20.30	37.39	60.00	-22.61	QP
12		25.5912	15.95	20.30	36.25	50.00	-13.75	AVG



Temperature:	26 ℃	Relative Humidity:	54%RH
Pressure:	101KPa	Phase :	N
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

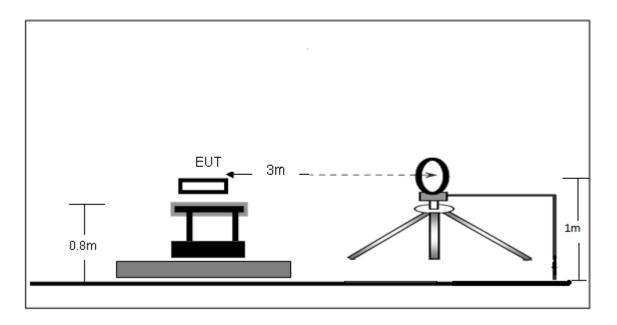
1. C VOI = 1010Q	Caronionic En	1110					
No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz		dB	dBuV	dBuV	dB	Detector
1	0.1722	34.26	20.07	54.33	64.85	-10.52	QP
2	0.1722	21.24	20.07	41.31	54.85	-13.54	AVG
3	0.5854	16.82	20.08	36.90	56.00	-19.10	QP
4	0.5854	14.60	20.08	34.68	46.00	-11.32	AVG
5	2.8998	20.03	20.12	40.15	56.00	-15.85	QP
6 *	2.8998	19.09	20.12	39.21	46.00	-6.79	AVG
7	8.4561	18.97	20.16	39.13	60.00	-20.87	QP
8	8.4561	17.89	20.16	38.05	50.00	-11.95	AVG
9	13.8411	16.59	20.28	36.87	60.00	-23.13	QP
10	13.8411	15.14	20.28	35.42	50.00	-14.58	AVG
11	26.0012	17.25	20.29	37.54	60.00	-22.46	QP
12	26.0012	15.98	20.29	36.27	50.00	-13.73	AVG



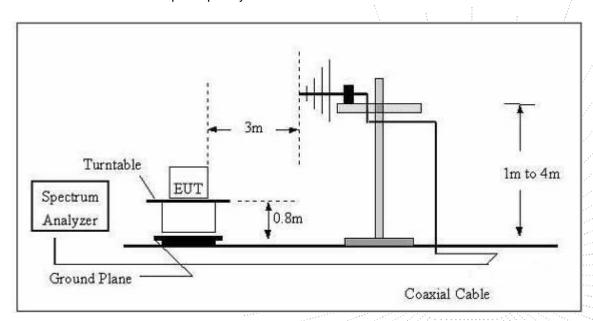
#### 7. Radiated Emissions

## 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 28 / / / / Edition 8.2

,TC

еро



#### 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 28 / / / / Edition: B.2

TE

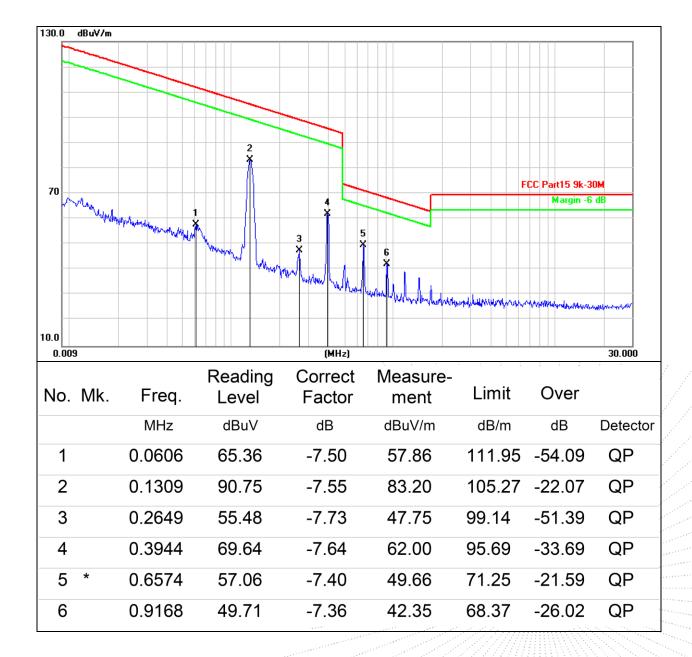




#### 7.4 Test Result

#### 9kHz-30MHz

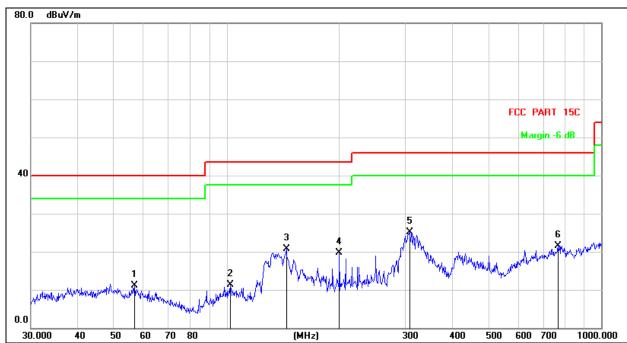
Temperature:	26℃	Relative Humidity:	54%RH
Pressure:	101 kPa	Test Voltage:	DC 3.6V
Test Mode:	Mode 2	Polarization:	Coaxial(Worst)





#### Between 30MHz - 1GHz

Temperature:	26 ℃	Relative Humidity:	54%RH
Pressure:	101KPa	Phase:	Horizontal
Test Mode:	Mode 1	Test Voltage:	AC 120V/60Hz



#### Remark:

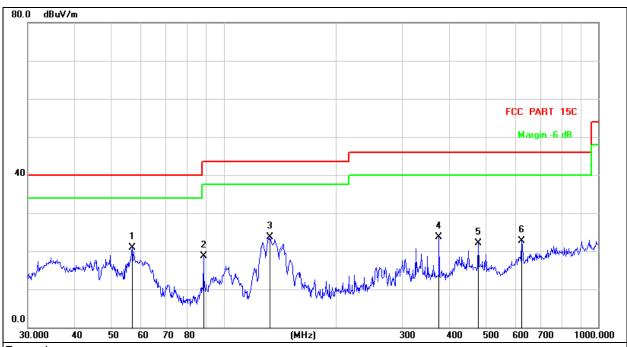
- 1. Factor = Antenna Factor + Cable Loss Pre-amplifier.
- Measurement = Reading Level + Correct Factor
   Over = Measurement Limit

J. OVE	- 1010	asurement - Li	11110					
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		56.7917	25.85	-14.82	11.03	40.00	-28.97	QP
2		102.3597	27.46	-16.10	11.36	43.50	-32.14	QP
3		144.3348	39.82	-19.03	20.79	43.50	-22.71	QP
4		199.9856	35.33	-15.72	19.61	43.50	-23.89	QP
5	*	307.8313	38.14	-12.96	25.18	46.00	-20.82	QP
6		766.0571	26.40	-4.80	21.60	46.00	-24.40	QP

Page 18 of 28 No.: BCTC/RF-EMC-005 Edition: B.2



Temperature:	<b>26</b> ℃	Relative Humidity:	54%RH
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 1	Test Voltage:	AC 120V/60Hz



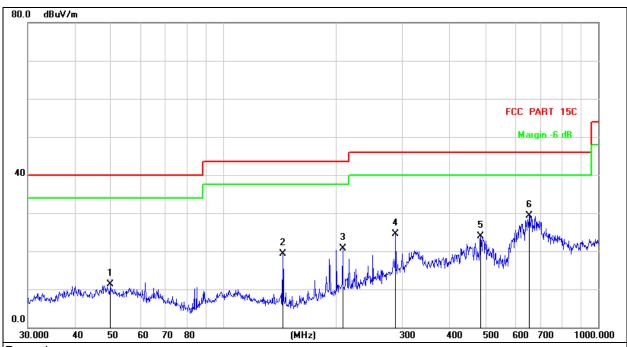
#### Remark:

- Factor = Antenna Factor + Cable Loss Pre-amplifier.
   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	*	56.9912	35.82	-14.84	20.98	40.00	-19.02	QP
2		88.3421	36.55	-17.79	18.76	43.50	-24.74	QP
3	1	133.1511	41.97	-18.25	23.72	43.50	-19.78	QP
4	3	375.9385	34.91	-11.15	23.76	46.00	-22.24	QP
5	4	178.8456	31.16	-9.14	22.02	46.00	-23.98	QP
6	6	625.0780	29.24	-6.59	22.65	46.00	-23.35	QP



Temperature:	<b>26</b> ℃	Relative Humidity:	54%RH
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 2	Test Voltage:	DC 3.6V



#### Remark:

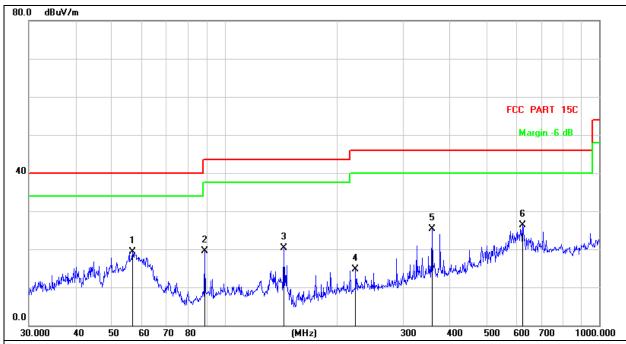
- Factor = Antenna Factor + Cable Loss Pre-amplifier.
   Measurement = Reading Level + Correct Factor

3. Over = Measurement - Limit

J. OVEI -	– ivica	Surement - Lin				4.00		
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		49.8813	25.14	-13.91	11.23	40.00	-28.77	QP
2		143.8294	38.26	-19.00	19.26	43.50	-24.24	QP
3		207.8500	36.19	-15.50	20.69	43.50	-22.81	QP
4		287.9904	37.98	-13.49	24.49	46.00	-21.51	QP
5		485.6093	32.78	-8.97	23.81	46.00	-22.19	QP
6	*	654.2318	35.46	-6.12	29.34	46.00	-16.66	QP



Temperature:	<b>26</b> ℃	Relative Humidity:	54%RH
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 2	Test Voltage:	DC 3.6V



Remark:

- 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		56.7917	34.21	-14.82	19.39	40.00	-20.61	QP
2		88.3421	37.21	-17.79	19.42	43.50	-24.08	QP
3	,	143.8295	39.40	-19.00	20.40	43.50	-23.10	QP
4		223.7334	29.68	-15.04	14.64	46.00	-31.36	QP
5	,	357.9287	36.77	-11.38	25.39	46.00	-20.61	QP
6	*	625.0780	32.89	-6.59	26.30	46.00	-19.70	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



No.: BCTC/RF-EMC-005 Page 22 of 28 / / Edition B.2



#### 8.3 Test Result

Frequency (kHz)	20dB bandwidth (kHz)	Result
136.1	0.016	Pass



No.: BCTC/RF-EMC-005 Page 23 of 28 / / / Edition B.2



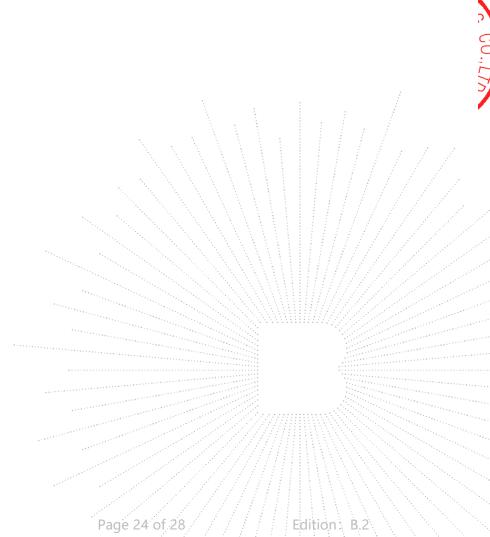
#### 9. **Antenna Requirements**

#### 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



### 10. EUT Photographs

**EUT Photo** 



NOTE: Appendix-Photographs Of EUT Constructional Details

No.: BCTC/RF-EMC-005 Page 25 of 28 / / / Edition B.2

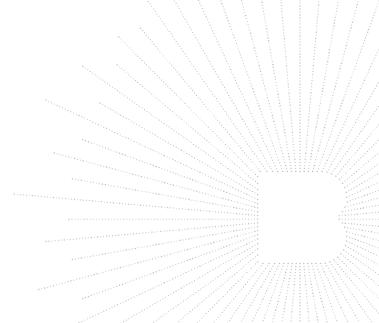


## 11. EUT Test Setup Photographs

#### Conducted emissions







No.: BCTC/RF-EMC-005 Page 26 of 28 / / / Edition: B



#### Radiated Measurement Photos

9kHz-30MHz



30MHz-1GHz



TES OVEI



#### **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 \*\*\*\*

10 co..LTD