

TEST REPORT

Report No.: BCTC2407326662-7E

Applicant: Shenzhen Qichang Intelligent Technology Co., Ltd

Product Name: Smart phone

Test Model: S2

Tested Date: 2024-07-15 to 2024-08-12

Issued Date: 2024-08-13

Shenzhen BCTC Testing Co., Ltd.



No.: BCTC/RF-EMC-005 Page: 1 of 31 / / / Edition: Bi2



FCC ID: 2BAK2-S2

Product Name: Smart phone

Trademark:

OSSIBOT

Model/Type reference:

S2 Pro, S2 Plus, S2 P, S2 +

Prepared For:

Shenzhen Qichang Intelligent Technology Co., Ltd

Address:

Room 510, Building 7, Yunli Intelligent Park, No. 7, Bantian Street, Longgang,

Shenzhen

Manufacturer:

Shenzhen Qichang Intelligent Technology Co., Ltd

Address:

Room 510, Building 7, Yunli Intelligent Park, No. 7, Bantian Street, Longgang,

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:

2024-07-15

Sample tested Date:

2024-07-15 to 2024-08-12

Issue Date:

2024-08-13

Report No.:

BCTC2407326662-7E

Test Standards

FCC Part15.225 ANSI C63.10-2013

Test Results

PASS

Remark:

This is NFC radio test report.

Tested by:

Brave Zeng

Brave Zeng/ Project Handler

Approved by:

Q+

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 31 / / / Editjon; B.2



Table Of Content

Test	Report Declaration	Page
1.	Version	5
2.	Test Summary	6
3.	Measurement Uncertainty	
4.	Product Information And Test Setup	
4.1	Product Information	
4.2	Test Setup Configuration	
4.3	Support Equipment	g
4.4	Channel List	
4.5	Test Mode	g
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	
6.2	Limit	
6.3	Test Procedure	
6.4	EUT operating Conditions	
6.5	Test Result	
7.	Radiated Emissions	
7.1	Block Diagram Of Test Setup	
7.2	Limit	
7.3	EUT Operating Conditions	
7.4	Test Result	
8.	Radiated Band Emission Measurement	
8.1	Block Diagram Of Test Setup	20
8.2	Limit	20
8.3	Test Procedure	21
8.4	EUT Operating Conditions	21
8.5	Test Result	22
9.	Black Diagram Of Task Codes	Z
9.1	EUT Operating Conditions Test Result Bandwidth Test Block Diagram Of Test Setup Test Procedure	∠≾
9.2	FUT Operation Conditions	Z3
9.3 9.4	EUT Operation Conditions Test Result	∠ა
9. 4 10.	Transmitter Fraguency Stability	
10.1	Transmitter Frequency Stability	20 25
10.1	Limit	∠3
10.2	Test Procedure	∠5
10.3	EUT Operating Conditions	25 95
10.4	Test Result	26
11.	Antenna Requirement	27
11.1	Standard Requirement	
	- 4	· · · · · · · · · · · · · · · · · · ·

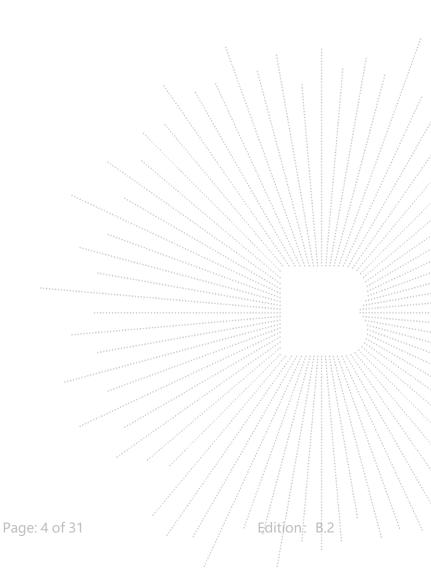


No.: BCTC/RF-EMC-005

Report No.:	BCTC2407326662-7E
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11.2	P EUT Antenna	27
	EUT Photographs	
	FUT Test Setup Photographs	

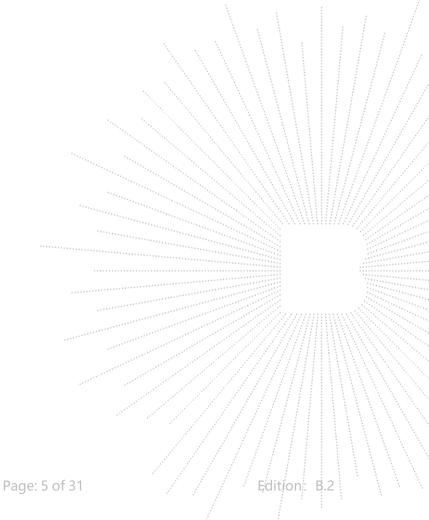
(Note: N/A Means Not Applicable)





1. Version

Report No.	Issue Date	Description	Approved
BCTC2407326662-7E	2024-08-13	Original	Valid



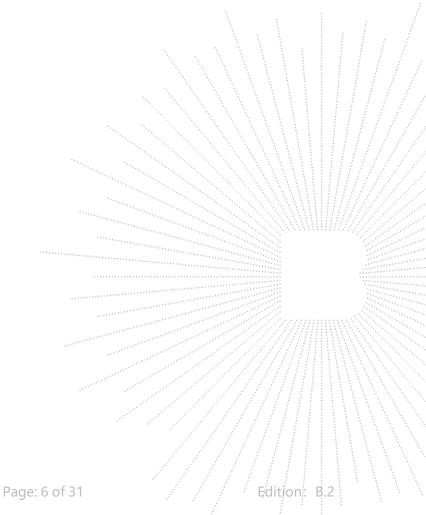
No.: BCTC/RF-EMC-005 Page: 5 o



2. Test Summary

The Product has been tested according to the following specifications:

No.	Test Parameter	Clause No.	Results
1	15.207	Conducted Emission	PASS
2	Part 15.209(a), 15.225(d) Radiated Spurious Emis		PASS
3	15.215	Bandwidth	PASS
4	Part 15.209(a), 15.225(a)(b)(c)(d)	Band Edge Emission	PASS
5	Part 15.225(e)	Transmitter Frequency Stability (Temperature & Voltage Variation)	PASS
6	15.203	Antenna Requirement	PASS



No.: BCTC/RF-EMC-005 Page: 6 of 3



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	3m chamber Radiated spurious emission(9KHz-30MHz)	U=3.7dB
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

No.: BCTC/RF-EMC-005 Page: 7 of 31 / Edition: B.2



4. Product Information And Test Setup

4.1 Product Information

Model/Type reference: S2

S2 Pro, S2 Plus, S2 P, S2 +

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

Hardware Version: LV998S_MB_V2.0 Software Version: FOSSiBOT_S2_F

Operation Frequency: 13.56 MHz

Modulation Type: ASK
Number Of Channel 1 CH

Antenna installation: Internal Antenna

0 dBi Remark:

Antenna Gain:

The antenna gain of the product comes from the antenna report provided by the

customer, and the test data is affected by the customer information.

☐ The antenna gain of the product is provided by the customer, and the test data

is affected by the customer information.

Ratings: DC 9V from adapter/DC 3.87V from battery

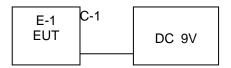
Model: TPA-10S120150UU01

Adapter Information: Input: 100-240V- 50/60Hz 0.6A

Output: 3.6-6V 3A/6-9V 2A/9-12V 1.5A

4.2 Test Setup Configuration

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



No.: BCTC/RF-EMC-005 Page: 8 of 31



4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	Smart phone	OSSIBOT	S 2	N/A	EUT
E-2	Adapter	N/A	TPA-10S120 150UU01	N/A	Auxiliary

ltem	Shielded Type	Ferrite Core	Length	Note
C-1	N/A	N/A	1M	DC cable unshielded

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.

4.4 Channel List

Channel List Channel Frequency(MHz)		

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.

For All Mode	Description
Mode 1	TX Mode

Link mode(conducted emiss	sion and Radiated emission)
Final Test Mode	Description
Mode 1	TX Mode

Notes

- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) Fully-charged battery is used during the test.

No.: BCTC/RF-EMC-005 Page: 9 of 31 / / / Edition: B.2



5. **Test Facility And Test Instrument Used**

Test Facility 5.1

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. Ne							
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 Conducted Test							
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 Analyzer20kH z-26.5GHz	Keysight	N9020A	MY49100060	May 16, 2024	May 15, 2025		
Spectrum Analyzer9kHz- 40GHz	R&S	FSP40	100363	May 16, 2024	May 15, 2025		
Communication test set	R&S	CMW500	126173	Nov. 13. 2023	Nov. 12, 2024		

Page: 10 of 31 Edition: B.2 No.: BCTC/RF-EMC-005



Edition: B.2

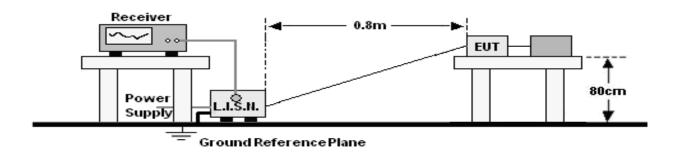
Radiated Emissions Test (966 Chamber01)							
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.		
966 chamber	ChengYu	966 Room	966	May 15, 2023	May 14, 2026		
Receiver	R&S	ESR3	ESR3 102075 M		May 15, 2025		
Receiver	R&S	ESRP	101154	May 16, 2024	May 15, 2025		
Amplifier	Schwarzbeck	BBV9744	9744-0037	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_01G18 G-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 Antenna(18G Hz-40GHz)	Schwarzbeck	BBHA9170	00822	May 21, 2024	May 20, 2025		
Spectrum Analyzer9kHz- 40GHz	R&S	FSP40	100363	May 16, 2024	May 15, 2025		
Communication test set	R&S	CMW500	126173	126173 May 16, 2024			
Software	Frad	EZ-EMC	FA-03A2 RE	\ ,	. \		

No.: BCTC/RF-EMC-005 Page: 11 of 31



6. Conducted Emissions

6.1 Block Diagram Of Test Setup



6.2 Limit

EDECLIENCY (MIL-)	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.

No.: BCTC/RF-EMC-005 Page: 12 of 31 / / / Édition: B.2

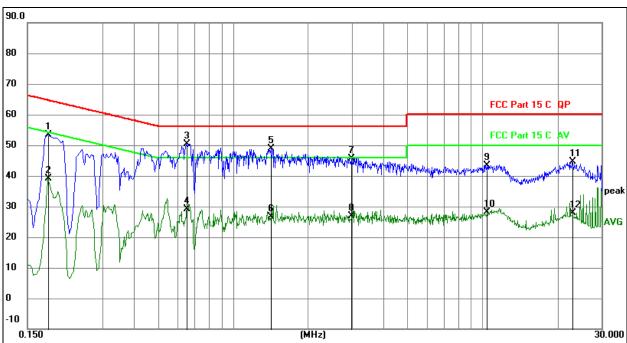
b. The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak and AVG detector in Max Hold mode. Run the receiver's pre-scan to record the maximum disturbance generated from Product in all power lines in the full band.

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:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	L
Test Mode:	Mode 1	Test Voltage :	AC120V/60Hz



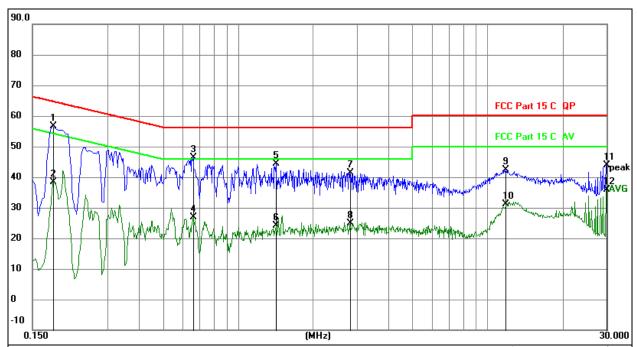
- All readings are Quasi-Peak and Average values.
 Factor = Insertion Loss + Cable Loss.
- 3. Measurement = Reading Level + Correct Factor
- 4. Over = Measurement Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.1815	33.20	20.07	53.27	64.42	-11.15	QP
2		0.1815	18.96	20.07	39.03	54.42	-15.39	AVG
3	*	0.6539	30.37	20.09	50.46	56.00	-5.54	QP
4		0.6539	9.09	20.09	29.18	46.00	-16.82	AVG
5		1.4189	28.87	20.09	48.96	56.00	-7.04	QP
6		1.4189	6.59	20.09	26.68	46.00	-19.32	AVG
7		2.9895	25.61	20.12	45.73	56.00	-10.27	QP
8		2.9895	6.68	20.12	26.80	46.00	-19.20	AVG
9		10.4145	23.27	20.18	43.45	60.00	-16.55	QP
10		10.4145	7.87	20.18	28.05	50.00	-21.95	AVG
11		22.9245	24.42	20.31	44.73	60.00	-15.27	QP
12		22.9245	7.54	20.31	27.85	50.00	-22.15	AVG

No.: BCTC/RF-EMC-005 Page: 13 of 31 Edition: B.2



Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	N
Test Mode:	Mode 1	Test Voltage :	AC120V/60Hz



Remark:

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

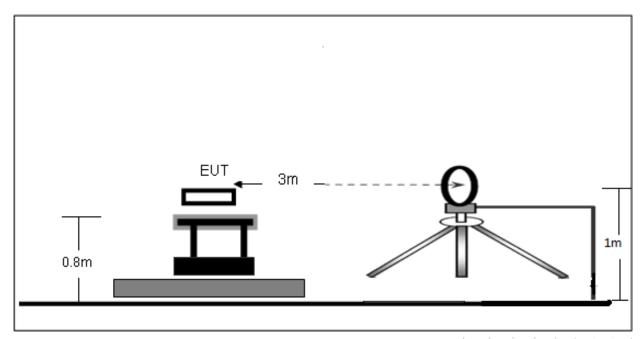
1. GVOI - MOGGGIOTHORE LITTLE								
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz		dB	dBu∀	dBu∀	dB	Detector
1	*	0.1806	36.50	20.07	56.57	64.46	-7.89	QP
2		0.1806	18.19	20.07	38.26	54.46	-16.20	AVG
3		0.6613	26.41	20.09	46.50	56.00	-9.50	QP
4		0.6613	6.79	20.09	26.88	46.00	-19.12	AVG
5		1.4182	24.18	20.09	44.27	56.00	-11.73	QP
6		1.4182	3.96	20.09	24.05	46.00	-21.95	AVG
7		2.8091	21.38	20.12	41.50	56.00	-14.50	QP
8		2.8091	4.69	20.12	24.81	46.00	-21.19	AVG
9	,	11.8070	22.15	20.22	42.37	60.00	-17.63	QP
10	,	11.8070	10.94	20.22	31.16	50.00	-18.84	AVG
11	2	29.8415	23.63	20.27	43.90	60.00	-16.10	QP
12	2	29.8415	15.70	20.27	35.97	50.00	-14.03	AVG



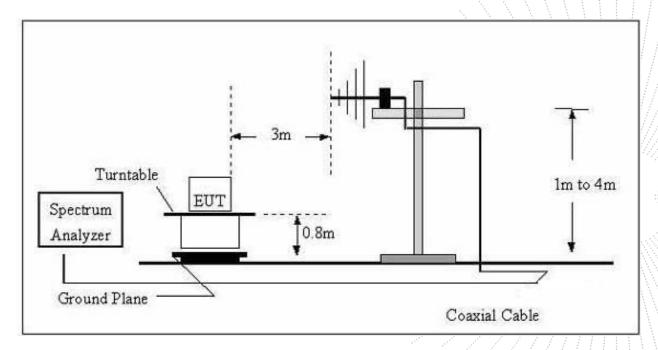
7. Radiated Emissions

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 31 / / Édition: B.2



7.2 Limit

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequency	Field Strength	Distance	Field Strength Li	mit at 3m Distance
(MHz)	uV/m	(m)	uV/m	dBuV/m
0.009 ~ 0.490	2400/F(kHz)	300	10000 * 2400/F(kHz)	20log ^{(2400/F(kHz))} + 80
0.490 ~ 1.705	24000/F(kHz)	30	100 * 24000/F(kHz)	20log ^{(24000/F(kHz))} + 40
1.705 ~ 30	30	30	100 * 30	20log ⁽³⁰⁾ + 40
30 ~ 88	100	3	100	20log ⁽¹⁰⁰⁾
88 ~ 216	150	3	150	20log ⁽¹⁵⁰⁾
216 ~ 960	200	3	200	20log ⁽²⁰⁰⁾
Above 960	500	3	500	20log ⁽⁵⁰⁰⁾

Receiver Parameter	Setting		
Attenuation	Auto		
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP		
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP		
Start ~ Stop Frequency	30MHz~1000MHz / RB 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.

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 31 / / Édition: B.2



7.3 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.

7.4 Test Result

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kpa	Test Voltage :	AC120V/60Hz
Test Mode:	Mode 1	Polarization:	-

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector
(KHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
22.98	64.84	20.15	84.99	140.38	-55.39	PK
22.98	40.29	20.15	60.44	120.38	-59.94	AV
61.29	52.89	20.33	73.22	131.86	-58.64	PK
61.29	38.52	20.33	58.85	111.86	-53.01	AV
151.86	54.08	20.55	74.63	123.98	-49.35	PK
151.86	47.31	20.55	67.86	103.98	-36.12	AV
526.64	25.11	20.64	45.75	73.17	-27.42	QP :
753.69	29.12	21.26	50.38	70.06	-19.68	QP
1206.23	18.17	22.32	40.49	65.98	-25.49	QP

Note

Pre-scan in the all of mode, the worst case in of was recorded.

Factor = antenna factor + cable loss – pre-amplifier.

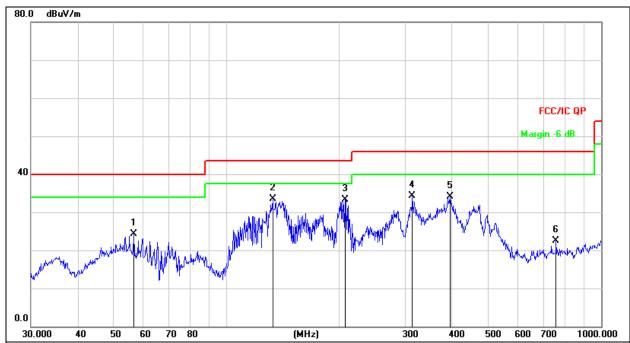
Margin = Emission Level- Limit.

No.: BCTC/RF-EMC-005 Page: 17 of 31 / / Édition: B.2



Between 30MHz - 1GHz

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 1	Test Voltage:	AC120V/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		56.5929	39.07	-14.79	24.28	40.00	-15.72	QP
2	* 1	32.6850	51.77	-18.22	33.55	43.50	-9.95	QP
3	2	207.1226	48.73	-15.52	33.21	43.50	-10.29	QP
4	3	313.2760	47.07	-12.77	34.30	46.00	-11.70	QP
5	3	94.8545	45.07	-10.91	34.16	46.00	-11.84	QP
6	7	58.0408	27.39	-4.90	22.49	46.00	-23.51	QP



Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 1	Test Voltage:	AC120V/60Hz



Remark:

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

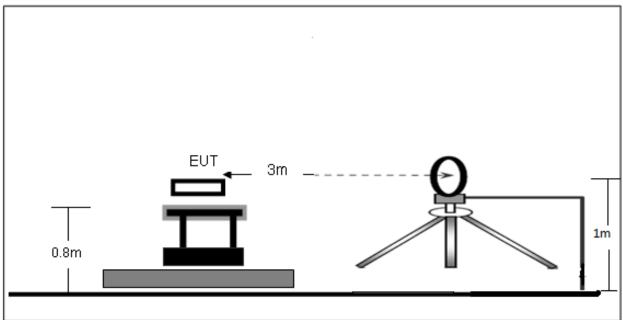
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	į	33.5624	52.12	-15.96	36.16	40.00	-3.84	QP
2	*	59.4405	53.27	-15.17	38.10	40.00	-1.90	QP
3		141.3298	55.62	-18.82	36.80	43.50	-6.70	QP
4		202.1005	51.10	-15.66	35.44	43.50	-8.06	QP
5		393.4723	38.45	-10.92	27.53	46.00	-18.47	QP
6		494.1984	35.43	-8.75	26.68	46.00	-19.32	QP



8. Radiated Band Emission Measurement

8.1 Block Diagram Of Test Setup

Radiated Emission Test-Up Frequency Below 30MHz



8.2 Limit

FCC Part15 C Section 15.209 and 15.225

LIMITS OF RADIATED EMISSION MEASUREMENT (Below 30MHz)

- a. 15.848 microvolts/m (84 dBµ V/m) at 30 m, within the band 13.553-13.567 MHz.
- b. 334 microvolts/m (50.5 dB μ V/m) at 30 m, within the bands 13.410- 13.553 MHz and 13.567- 13.710 MHz.
- c. 106 microvolts/m (40.5 dB μ V/m) at 30 m, within the bands 13.110- 13.410 MHz and 13.710- 14.010 MHz.
- d. 30 microvolts/m (29.5 dB μ V/m) at 30 m, outside the band 13.110–14.010 MHz.

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

No.: BCTC/RF-EMC-005 Page: 20 of 31 / / Édiţion: B.2



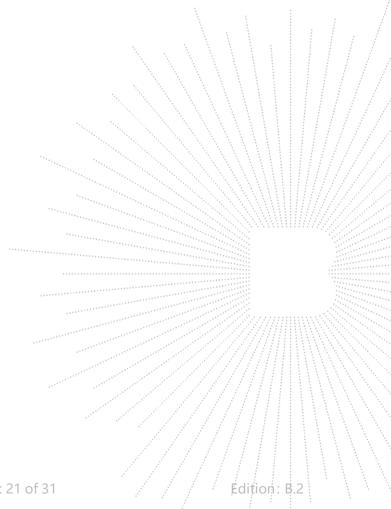
8.3 Test Procedure

- a. The Product is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna (loop antenna). The maximum values of the field strength are recorded by adjusting the polarizations of the test antenna and rotating the turntable.
- b. For each suspected emission, the Product was arranged to its worst case and then turn table was turned from 0 degrees to 360 degrees to find the maximum reading.
- c. The test frequency analyzer system was set to Peak Detect (300Hz RBW in 9kHz to 150kHz and 10kHz RBW in 150kHz to 30MHz) Function and Specified Bandwidth with Maximum Hold Mode.

8.4 EUT Operating Conditions

The EUT tested system was configured as the statements of 4.5 Unless otherwise a special operating condition is specified in the follows during the testing.

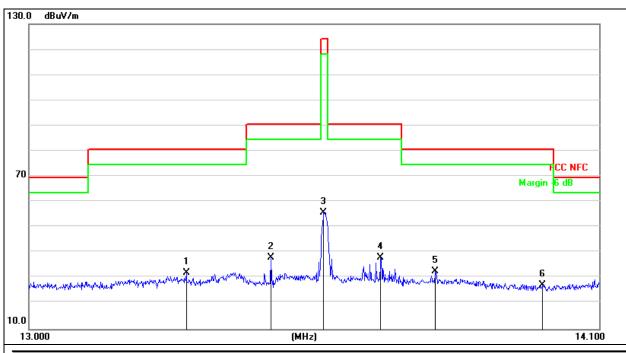
The report only show the worst antenna Polarity's data.



No.: BCTC/RF-EMC-005 Page: 21 of 31



8.5 Test Result



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		13.2948	39.18	-7.23	31.95	80.50	-48.55	peak
2		13.4565	45.15	-7.23	37.92	90.50	-52.58	peak
3		13.5577	63.08	-7.23	55.85	124.0	-68.15	peak
4		13.6686	45.15	-7.23	37.92	90.50	-52.58	peak
5	*	13.7753	39.92	-7.23	32.69	80.50	-47.81	peak
6		13.9878	34.53	-7.23	27.30	80.50	-53.20	peak

No.: BCTC/RF-EMC-005 Page: 22 of 31

Edition: B.2



9. Bandwidth Test

9.1 Block Diagram Of Test Setup



9.2 Test Procedure

FCC Part15 (15.215)				
Section Test Item				
15.215	Bandwidth			

- 1. Set RBW = 1% to 5% of the OBW
- 2. Set the video bandwidth (VBW) ≥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.

9.3 EUT Operation Conditions

The EUT tested system was configured as the statements of 4.2 Unless otherwise a special operating condition is specified in the follows during the testing.

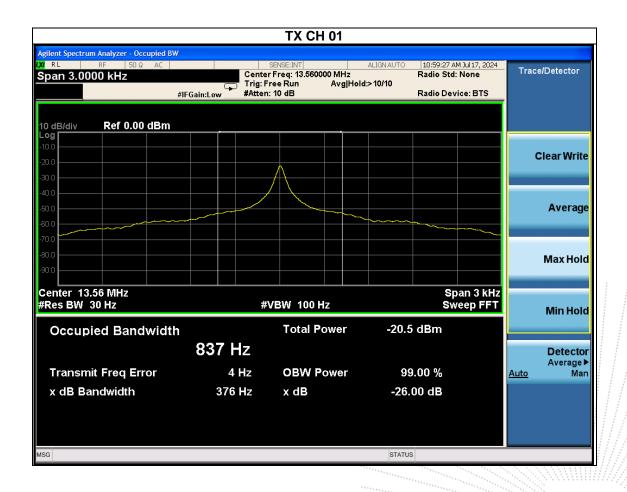
No.: BCTC/RF-EMC-005 Page: 23 of 31 / / Édiţion: B.2



9.4 Test Result

Temperature:	26℃	Relative Humidity:	54%
Test Mode:	ASK	Test Voltage :	DC 3.87V

Frequency (MHz)	-20dB bandwidth (kHz)		
13.56	0.376		



No.: BCTC/RF-EMC-005 Page: 24 of 31 / / Édition: B.2



10. Transmitter Frequency Stability

10.1 Block Diagram Of Test Setup

EUT	SPECTRUM
	ANALYZER

10.2 Limit

The frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ of the operating frequency over a temperature variation of -20 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery. Limit: $\pm 0.01\%$ of 13.56MHz=1356Hz

10.3 Test Procedure

- 1. Set RBW = 10 kHz.
- 2. Set the video bandwidth (VBW) ≥RBW.
- 3. Detector = Peak.
- 4. Trace mode = max hold.
- 5. Sweep = auto couple.
- 6. Allow the trace to stabilize.
- 7. The transmitter output (antenna port) was connected to the spectrum analyzer.

10.4 EUT Operating Conditions

The EUT tested system was configured as the statements of 4.5 Unless otherwise a special operating condition is specified in the follows during the testing.

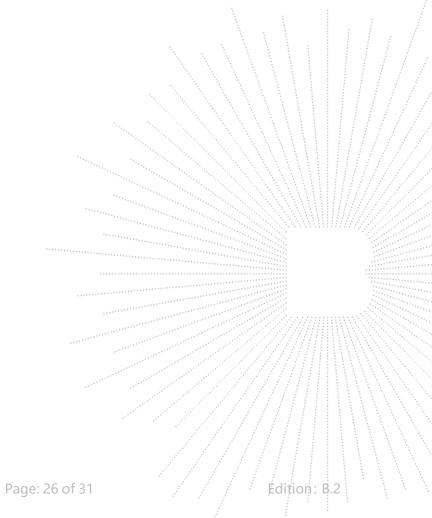
No.: BCTC/RF-EMC-005 Page: 25 of 31 / / Édiți



10.5 Test Result

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101kPa	Test Voltage:	DC 3.87V
Test Mode:	TX Mode		

	Test Conditions		Frequenc	y Deviation	
Frequency MHz	Power(Vdc)	Temperature (°C)	Measured Freq.	Frequency Error(Hz)	Limit
	12	-20	13.56004	40	1356
	12	-10	13.56006	60	1356
	12	0	13.56002	20	1356
	12	10	13.56001	10	1356
13.56	12	20	13.56011	110	1356
13.36	12	30	13.56002	20	1356
	12	40	13.56005	50	1356
	12	50	13.56007	70	1356
	10.2	20	13.56006	60	1356
	13.8	20	13.56009	90	1356



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



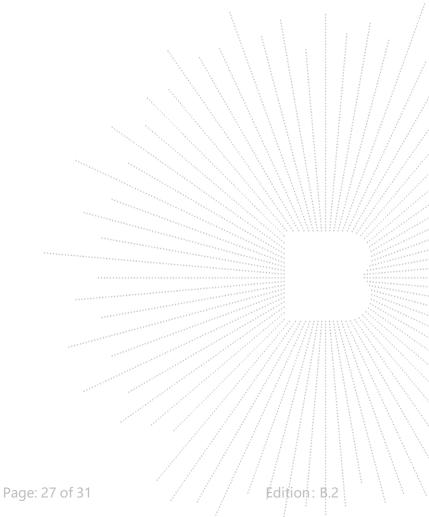
11. Antenna Requirement

11.1 Standard Requirement

15.203 requirement: For intentional device, according to 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.

11.2 EUT Antenna

The EUT antenna is Internal Antenna, It comply with the standard requirement.

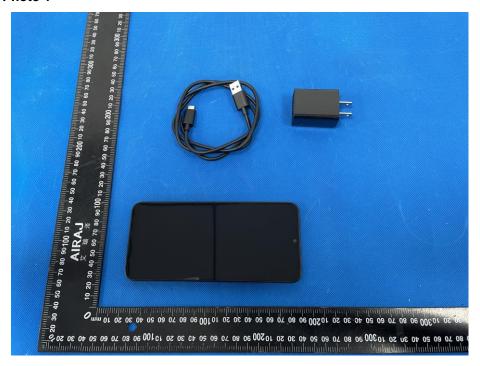


No.: BCTC/RF-EMC-005 Page: 27 o

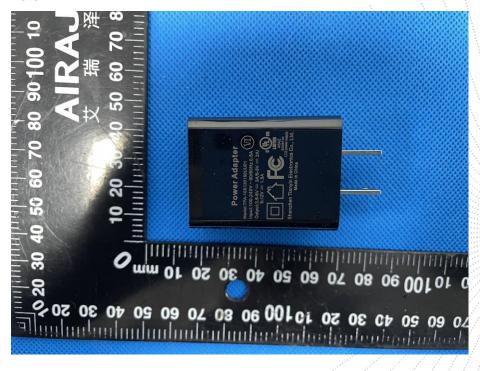


12. EUT Photographs

EUT Photo 1



EUT Photo 2



NOTE: Appendix-Photographs Of EUT Constructional Details.

No.: BCTC/RF-EMC-005 Page: 28 of 31 / / Édition: B.2



13. EUT Test Setup Photographs

Conducted Emissions Photo

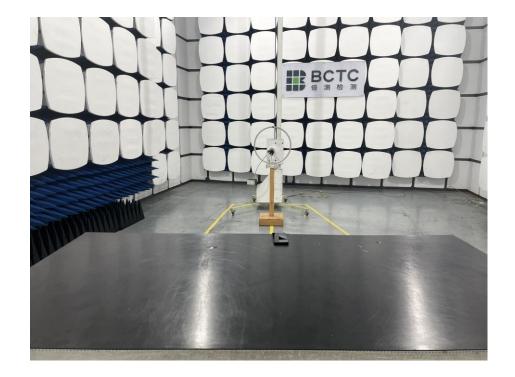


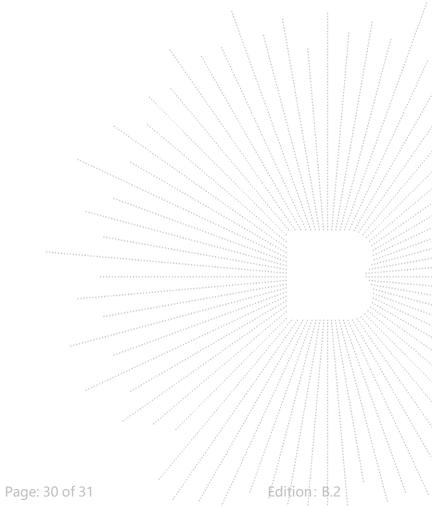
Radiated Measurement Photos



No.: BCTC/RF-EMC-005 Page: 29 of 31 / / Édition: B.2







No.: BCTC/RF-EMC-005 Page: 30 of



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:

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P.C.: 518103

FAX: 0755-33229357

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

*** END ****

No.: BCTC/RF-EMC-005 Page: 31 of 31 / / / Édiţion: B.2