

FCC TEST REPORT
For
SHENZHEN HOPEPOWER TECHNOLOGY CO.,LTD
Wireless charger base
Test Model: CRD201B
Additional Model No.: Please Refer to Page 6

Prepared for : SHENZHEN HOPEPOWER TECHNOLOGY CO.,LTD
Address : NO.302-326 Room, 3Floor ChangAn ZhiGu, Xitou community,
Songgang Street, Bao'an district, Shenzhen city, China.

Prepared by : Guangzhou LCS Compliance Testing Laboratory Ltd.
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Date of receipt of test sample : August 06, 2026
Number of tested samples : 2
Sample No. : A260804094-1, A260804094-2
Serial number : Prototype
Date of Test : August 06, 2026 ~ August 20, 2026
Date of Report : August 21, 2026

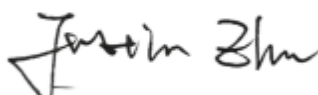
FCC TEST REPORT FCC CFR 47 PART 15C	
Report Reference No. : LCSC08076007EA	
Date Of Issue : August 21, 2026	
Testing Laboratory Name..... : Guangzhou LCS Compliance Testing Laboratory Ltd.	
Address : No.44-1, Qianfeng North Road, Shiqi, Panyu District, Guangzhou, Guangdong, China	
Testing Location/ Procedure : Full application of Harmonised standards ☒ Partial application of Harmonised standards ☐ Other standard testing method ☐	
Applicant's Name : SHENZHEN HOPEPOWER TECHNOLOGY CO.,LTD	
Address : NO.302-326 Room, 3Floor ChangAn ZhiGu, Xitou community, Songgang Street, Bao'an district, Shenzhen city, China.	
Test Specification	
Standard : FCC CFR 47 PART 15C	
Test Report Form No..... : TRF-4-E-168 A/0	
TRF Originator..... : Guangzhou LCS Compliance Testing Laboratory Ltd.	
Master TRF..... : Dated 2011-03	
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Test Item Description..... : Wireless charger base	
Trade Mark : N/A	
Test Model..... : CRD201B	
Ratings : Please Refer to Page 6	
Result : PASS	

Compiled by:



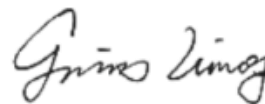
Lifeng Le/ Administrator

Reviewed by:



Justin Zhu/ Technique Director

Approved by:



Gavin Liang/ Manager

FCC TEST REPORT

Test Report No. : LCSC08076007EA	<u>August 21, 2026</u> Date of issue
---	---

Test Model.....	: CRD201B
EUT.....	: Wireless charger base
Applicant.....	: SHENZHEN HOPEPOWER TECHNOLOGY CO.,LTD
Address.....	: NO.302-326 Room, 3Floor ChangAn ZhiGu, Xitou community, Songgang Street, Bao'an district, Shenzhen city, China.
Telephone.....	: /
Fax.....	: /
Manufacturer.....	: Huizhou Yuantaixin Technology Co., Ltd.
Address.....	: The 3rd and 4th floors of Building 2 industrial park of Huizhou Hongtaiwei Technology Co., Ltd., the east side of HeAn avenue in Yuanzhou Town, Boluo County.
Telephone.....	: /
Fax.....	: /
Factory.....	: Huizhou Yuantaixin Technology Co., Ltd.
Address.....	: The 3rd and 4th floors of Building 2 industrial park of Huizhou Hongtaiwei Technology Co., Ltd., the east side of HeAn avenue in Yuanzhou Town, Boluo County.
Telephone.....	: /
Fax.....	: /

Test Result	PASS
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revision History

Report Version	Issue Date	Revision Content	Revised By
000	August 21, 2026	Initial Issue	--

TABLE OF CONTENTS

1. GENERAL INFORMATION	6
1.1 Description of Device (EUT)	6
1.2 Support equipment List	7
1.3 External I/O Cable	7
1.4 Description of Test Facility	7
1.5 Statement of the Measurement Uncertainty	7
1.6 Measurement Uncertainty	7
1.7 Description of Test Modes	8
2. TEST METHODOLOGY	9
2.4. Test Sample	9
3. SYSTEM TEST CONFIGURATION	10
3.1 Justification	10
3.2 EUT Exercise Software	10
3.3 Special Accessories	10
3.4 Block Diagram/Schematics	10
3.5 Equipment Modifications	10
3.6 Test Setup	10
4. SUMMARY OF TEST EQUIPMENT	11
5. SUMMARY OF TEST RESULT	12
6. POWER LINE CONDUCTED MEASUREMENT	13
7.1. Block Diagram of Test Setup	16
7.2. Radiated Emission Limit	17
7.3. EUT Configuration on Measurement	17
7.4. Field Strength Calculation	18
7.5. Operating Condition of EUT	18
7.6. Measuring Setting	18
7.7. Test Procedure	18
7.8. Test Results	19
8. 20 DB BANDWIDTH MEASUREMENT	23
8.1. Block Diagram of Test Setup	23
8.2. Test Procedure	23
8.3. Test Results	24
9. PHOTOGRAPHS OF TEST SETUP	25
10. EXTERNAL PHOTOGRAPHS OF THE EUT	25
11. INTERNAL PHOTOGRAPHS OF THE EUT	25

1. GENERAL INFORMATION

1.1 Description of Device (EUT)

EUT	: Wireless charger base
Test Model	: CRD201B
Additional Model No.	: CRD201W, T39
Model Declaration	: PCB board, structure and internal of these model(s) are the same, So no additional models were tested
Ratings	: Input: 12V===1.25A Output: Type-C: 5V===0.6A Output:Type-C2: 5V===0.6A Type-C1+Type-C2 output: 5V===1.2A DC output: 12V===1.25A Wireless output:15W (Max.)
Hardware Version	: /
Software Version	: /
Wireless Charging	:
Operating Frequency	: 110.0~205KHz
Modulation Type	: ASK
Antenna Type	: Coil Antenna

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.

1.2 Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
Huawei	Adapter	HW-200500C02	--	FCC
HONOR	Mobile phone	V30Pro	66B0219C25014679	FCC

Note: Auxiliary equipment is provided by the laboratory and only use tested.

1.3 External I/O Cable

I/O Port Description	Quantity	Cable
Power Port	1	N/A
Type-C USB Port	1	N/A

1.4 Description of Test Facility

Site Description

EMC Lab. : CNAS Registration Number is L11555
A2LA Certificate Number: 5099.01
FCC Designation Number is CN1379
Test Firm Registration Number: 729882

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.30-2021 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

1.5 Statement of the Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

1.6 Measurement Uncertainty

Test Item	Frequency Range	Uncertainty	Note
Radiation Uncertainty	9KHz~30MHz	3.10dB	(1)
	30MHz~200MHz	2.96dB	(1)
	200MHz~1000MHz	3.10dB	(1)
	1GHz~26.5GHz	3.80dB	(1)
	26.5GHz~40GHz	3.90dB	(1)
Conduction Uncertainty	150kHz~30MHz	1.63dB	(1)
Power disturbance	30MHz~300MHz	1.60dB	(1)

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.7 Description of Test Modes

Equipment under test was operated during the measurement under the following conditions:

☒ Charging and communication mode

Modulation Type: CW (ASK)

Test Modes		
Mode 1	AC/DC Adapter(12V/1.25A) + EUT + Mobile phone (Battery Status: <1%)	Record
Mode 2	AC/DC Adapter (12V/1.25A)+ EUT + Mobile phone (Battery Status: <50%)	Record
Mode 3	AC/DC Adapter (12V/1.25A) + EUT + Mobile phone (Battery Status: 100%)	Record
Note: All test modes were pre-tested, but we only recorded the worst case in this report.		

For AC conducted emission, pre-test at both AC 120V/60Hz and AC 240V/50Hz, recorded worst case;

For AC conducted emission, pre-test at both AC charge from power adapter modes, recorded worst case.

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10-2020, FCC CFR PART 15C 15.207.

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The EUT was operated in the normal operating mode and a continuous transmits mode for other tests.

According to its specifications, the EUT must comply with the requirements of the Section 15.207 under the FCC Rules Part 15 Subpart C.

2.3 General Test Procedures

2.3.1 Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.2.1 of ANSI C63.30-2021 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using Quasi-peak and average detector modes.

2.3.2 Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane below 1GHz and 1.5 m above ground plane above 1GHz. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 6.3 of ANSI C63.30-2021

2.4. Test Sample

The application provides 2 samples to meet requirement;

Sample Number	Description
Sample 1(A260804094-1)	Engineer sample – continuous transmit
Sample 2(A260804094-2)	Normal sample – Intermittent transmit

3. SYSTEM TEST CONFIGURATION

3.1 Justification

The system was configured for testing in a normal condition.

3.2 EUT Exercise Software

N/A.

3.3 Special Accessories

No.	Equipment	Manufacturer	Model No.	Serial No.	Length	shielded/ unshielded	Notes
/	/	/	/	/	/	/	/

3.4 Block Diagram/Schematics

Please refer to the related document.

3.5 Equipment Modifications

Guangzhou LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

3.6 Test Setup

Please refer to the test setup photo.

4. SUMMARY OF TEST EQUIPMENT

Item	Equipment	Manufacturer	Model No.	Equipment No.	Cal Date	Due Date
1	Power Meter	Keysight	E4417A	GLCS-E-279	2026-04-07	2027-04-06
2	Power Sensor	Keysight	E9304A	GLCS-E-280	2026-04-07	2027-04-06
3	Power Sensor	Keysight	E9304A	GLCS-E-281	2026-04-07	2027-04-06
4	Spread Spectrum Unit	Tonscend	TS-WF7U2	GLCS-E-364	N/A	N/A
5	Test Software	Tonscend	JS1120-3	GLCS-E-366	N/A	N/A
6	RF Control Unit	Tonscend	JS0806-2	GLCS-E-365	2026-07-15	2027-07-14
7	MXA Signal Analyzer	Keysight	N9020A	GLCS-E-356	2026-07-15	2027-07-14
8	DC Power Supply	Keysight	E3642A	GLCS-E-357	2026-07-15	2027-07-14
9	Signal Analyzer	Keysight	N5172B	GLCS-E-353	2026-07-15	2027-07-14
10	Signal Analyzer	Keysight	N5181A	GLCS-E-354	2026-07-15	2027-07-14
11	WIDEBAND RADIO COMMUNICATION TESTER	Rohde & Schwarz	CMW500	GLCS-E-355	2026-07-15	2027-07-14
12	EMI Test Software	Farad	EZ-EMC(Ver.FA-03A2 RE+)	GLCS-E-012	N/A	N/A
13	Semi Anechoic Chamber#1	Maorui	966	GLCS-E-001	2024-04-21	2027-04-20
14	Positioning Controller	Max-Full	MF-7802	GLCS-E-015	N/A	N/A
15	Active Loop Antenna	TESEQ	HLA 6121	GLCS-E-155	2026-07-17	2027-07-16
16	By-log Antenna	SCHWARZBECK	VULB9163	GLCS-E-352	2025-08-16	2028-08-15
17	Low-frequency amplifier	Sonoma	310N	GLCS-E-036	2026-04-07	2027-04-06
18	Horn Antenna	SCHWARZBECK	BBHA 9120D	GLCS-E-060	2026-07-17	2027-07-16
19	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	GLCS-E-348	2025-08-18	2028-08-17
20	Broadband Preamplifier	Cesheng Technology	LNPA_30M06G-40(18GHz)	GLCS-E-286	2026-04-07	2027-04-06
21	Broadband Preamplifier	Cesheng Technology	LNPA 30M06G-40(40GHz)	GLCS-E-287	2026-04-10	2027-04-09
22	EMI Test Receiver	R&S	ESR 7	GLCS-E-192	2026-04-07	2027-04-06
23	RS SPECTRUM ANALYZER	R&S	FSP40	GLCS-E-213	2026-08-05	2027-08-04
24	6dB Attenuator	/	100W/6dB	GLCS-E-350	2026-07-15	2027-07-14
25	3dB Attenuator	/	2N-3dB	GLCS-E-351	2026-07-09	2027-07-08
26	EMI Test Receiver	ROHDE & SCHWARZ	ESR7	GLCS-E-158	2026-04-07	2027-04-06
27	Artificial Mains Network	ROHDE & SCHWARZ	ESH2-Z5	GLCS-E-011	2026-01-14	2027-01-13
28	EMI Test Software	Farad	EZ-EMC(Ver.FA-03A2 RE+)	GLCS-E-017	N/A	N/A
29	Antenna Mast	Maorui	BK-4AT-BS	GLCS-E-249	N/A	N/A
30	Pulse Limiter	SCHWARZBECK	VTSD 9561-F	GLCS-E-080	2026-04-07	2027-04-06

5. SUMMARY OF TEST RESULT

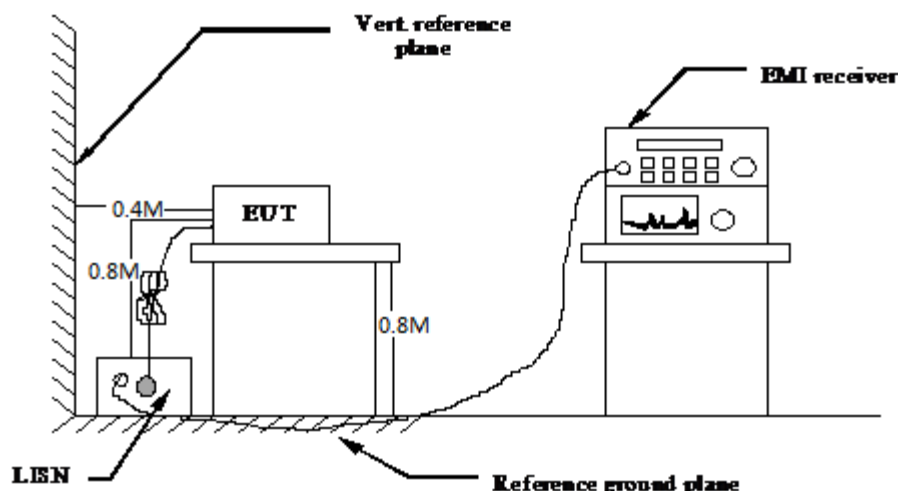
FCC Rules	Description of Test	Test Sample	Result
§15.207(a)	AC Conducted Emissions	Sample 1	Compliant
§15.209	Radiated Spurious Emissions	Sample 1	Compliant
§15.215	20 dB Bandwidth	Sample 1	Compliant

Remark: The measurement uncertainty is not included in the test result.

N/A – Not Applicable!!!

6. POWER LINE CONDUCTED MEASUREMENT

6.1. Block Diagram of Test Setup



6.2. Standard Applicable

According to §15.207: For all the consumer devices which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range are listed as follows:

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

* Decreasing linearly with the logarithm of the frequency

6.3 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS \text{ (dBuV/m)} = RA \text{ (dBuV)} + AF \text{ (dB/m)} + CL \text{ (dB)} - AG \text{ (dB)}$$

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

6.4 Test Results

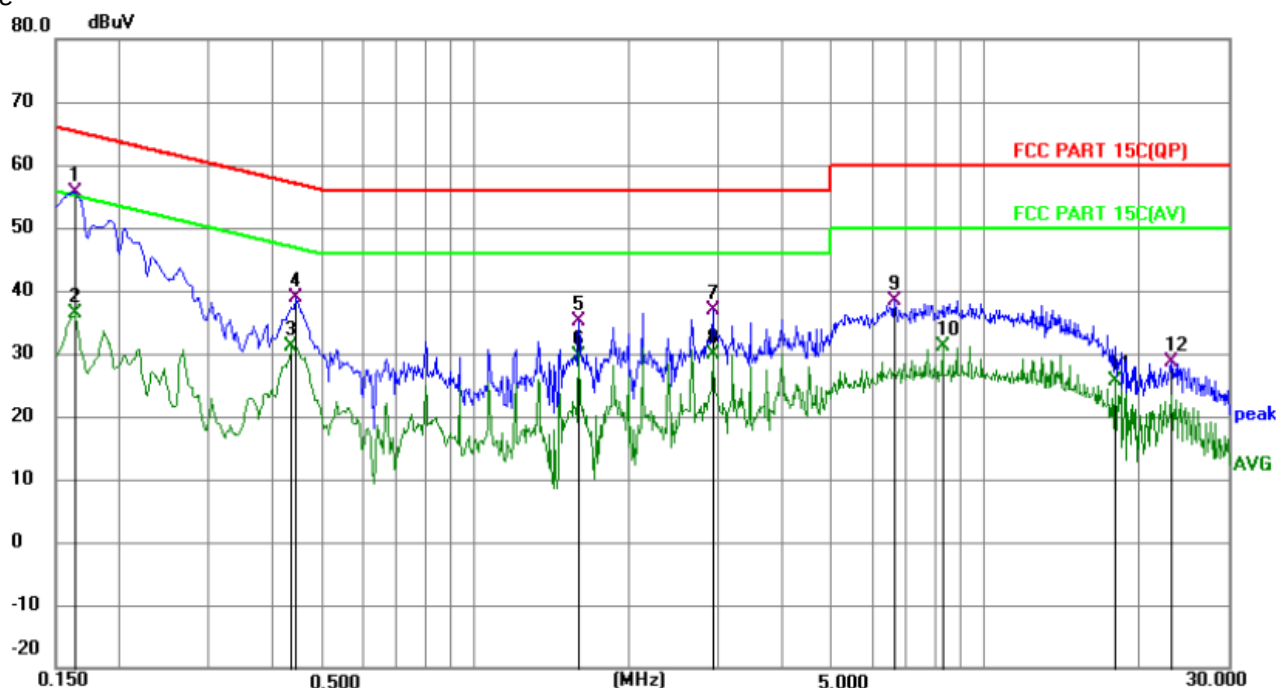
PASS

The test data please refer to following page.

Temperature	24.2°C	Humidity	55.1%
Test Engineer	Zhang hai	Configurations	Mode 1

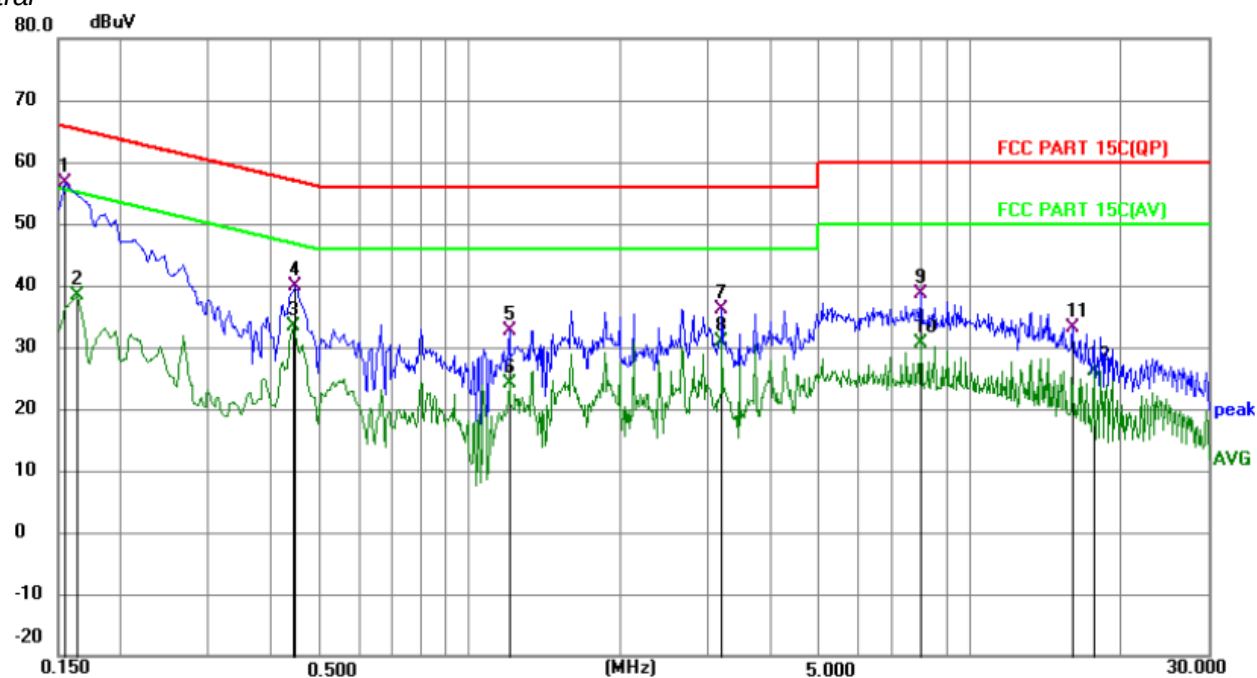
AC Power Line Conducted Emission (Power input to adapter @ AC 120V/60Hz (Worst Case))

Line



No.	Mk.	Freq. MHz	Reading Level dB	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.1635	45.54	10.15	55.69	65.28	-9.59	QP	
2		0.1635	26.12	10.15	36.27	55.28	-19.01	AVG	
3		0.4335	21.15	10.08	31.23	47.19	-15.96	AVG	
4		0.4425	28.77	10.08	38.85	57.01	-18.16	QP	
5		1.5990	24.85	10.23	35.08	56.00	-20.92	QP	
6		1.5990	19.31	10.23	29.54	46.00	-16.46	AVG	
7		2.9265	26.73	10.19	36.92	56.00	-19.08	QP	
8		2.9265	19.72	10.19	29.91	46.00	-16.09	AVG	
9		6.6525	28.03	10.29	38.32	60.00	-21.68	QP	
10		8.2500	20.86	10.33	31.19	50.00	-18.81	AVG	
11		17.9700	15.22	10.40	25.62	50.00	-24.38	AVG	
12		23.1630	18.25	10.34	28.59	60.00	-31.41	QP	

Neutral



No. Mk.	Freq. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1 *	0.1545	46.37	10.15	56.52	65.75	-9.23	QP	
2	0.1635	28.33	10.10	38.43	55.28	-16.85	AVG	
3	0.4425	23.32	10.06	33.38	47.01	-13.63	AVG	
4	0.4470	29.70	10.06	39.76	56.93	-17.17	QP	
5	1.1985	22.57	10.17	32.74	56.00	-23.26	QP	
6	1.1985	13.91	10.17	24.08	46.00	-21.92	AVG	
7	3.1965	25.92	10.23	36.15	56.00	-19.85	QP	
8	3.1965	20.69	10.23	30.92	46.00	-15.08	AVG	
9	7.9890	28.41	10.24	38.65	60.00	-21.35	QP	
10	7.9890	20.31	10.24	30.55	50.00	-19.45	AVG	
11	16.1115	22.80	10.38	33.18	60.00	-26.82	QP	
12	17.7090	15.75	10.38	26.13	50.00	-23.87	AVG	

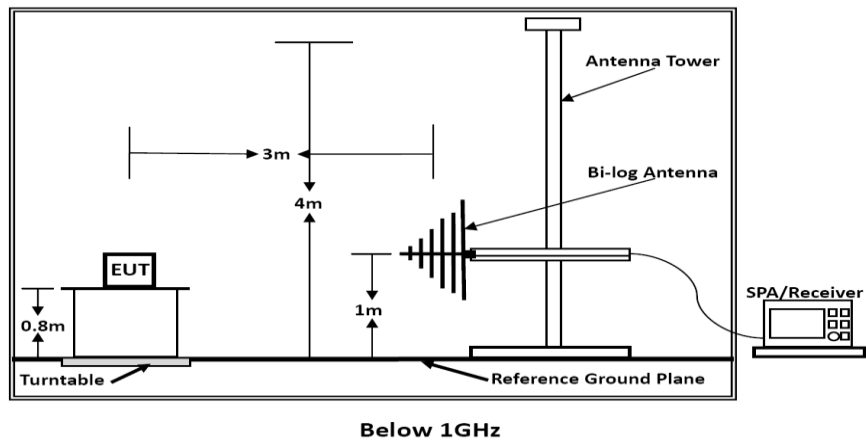
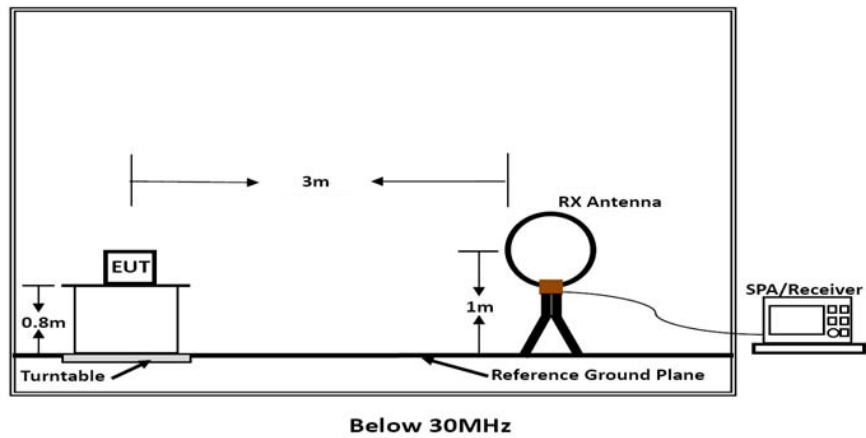
***Note: Pre-scan all modes and recorded the worst case results in this report.

Margin=Reading level + Correct - Limit;

Correct Factor=Lisn Factor+Cable Factor+Insertion loss of Pulse Limiter

7. Radiated emission Measurement

7.1. Block Diagram of Test Setup



7.2. Radiated Emission Limit

15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
\1\ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2\)
13.36-13.41			

\1\ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

\2\ Above 38.6

According to §15.247 (d): 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.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

7.3. EUT Configuration on Measurement

The following equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

7.4. Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS \text{ (dBuV/m)} = RA \text{ (dBuV)} + AF \text{ (dB/m)} + CL \text{ (dB)} - AG \text{ (dB)}$$

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

7.5. Operating Condition of EUT

(1) Setup the EUT as shown in Section 7.1.

7.6. Measuring Setting

The following table is the setting of spectrum analyzer and receiver.

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP/Average
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP/Average
Start ~ Stop Frequency	30MHz~1000MHz / RB 100kHz for QP

7.7. Test Procedure

1) Sequence of testing 9 kHz to 30 MHz

Setup:

- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.
- If the EUT is a floor standing device, it is placed on the ground.
- Auxiliary equipment and cables were positioned to simulate normal operation conditions.
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- The measurement distance is 3 meter.
- The EUT was set into operation.

Premeasurement:

- The turntable rotates from 0° to 315° using 45° steps.
- The antenna height is 1.0 meter.
- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions

Final measurement:

- Identified emissions during the premeasurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).

--- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

2) Sequence of testing 30 MHz to 1 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna is polarized vertical and horizontal.

--- The antenna height changes from 1 to 3 meter.

--- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position ($\pm 45^\circ$) and antenna movement between 1 and 4 meter.

--- The final measurement will be done with QP detector with an EMI receiver.

--- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

7.8. Test Results

PASS.

Both AC and DC modes were tested, only AC mode was recorded

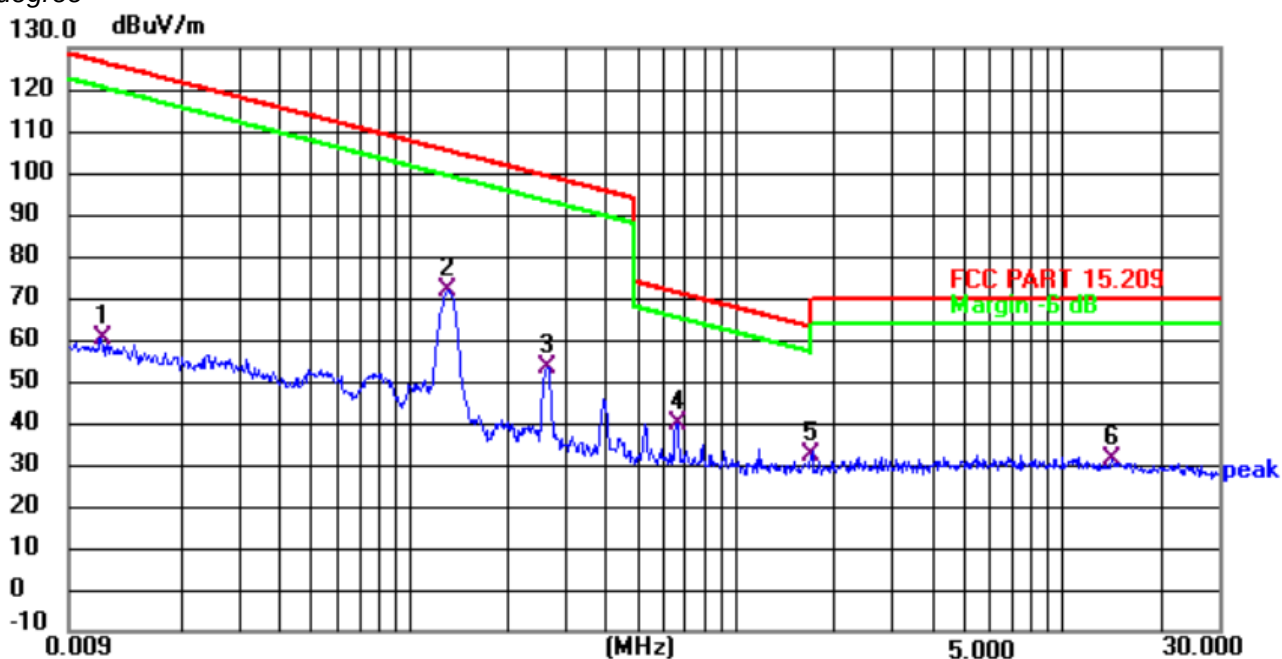
Only report the worst test data (Mode 1) in test report;

The test data please refer to following page:

Temperature	24.3°C	Humidity	54.2%
Test Engineer	Zhang hai	Configurations	Transmit

0.009 MHz – 30 MHz

0 degree

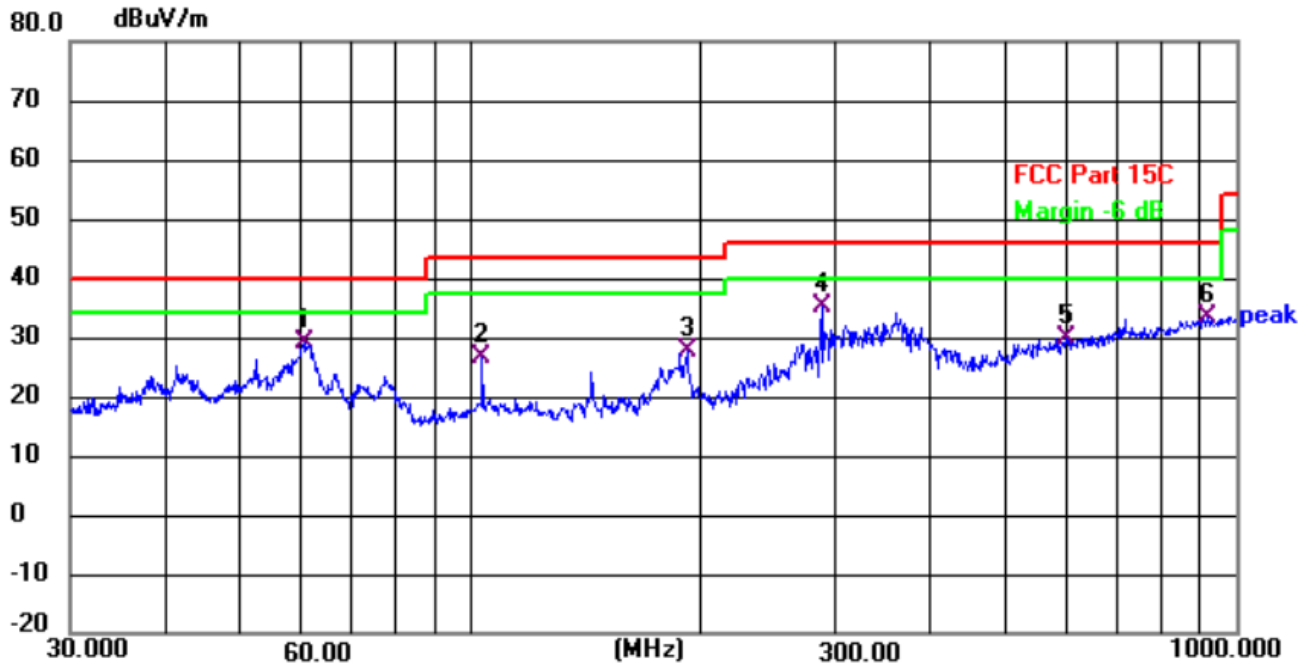


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		0.0112	39.13	20.93	60.06	126.62	-66.56	QP	
2		0.1309	50.12	21.58	71.70	105.27	-33.57	QP	
3		0.2649	31.81	21.45	53.26	99.14	-45.88	QP	
4		0.6574	18.55	21.37	39.92	71.25	-31.33	QP	
5	*	1.6846	10.92	21.15	32.07	63.07	-31.00	QP	
6		14.1090	10.51	20.93	31.44	69.54	-38.10	QP	

Remark: 1). Measured at antenna position 0 degree and 90 degree, recorded worst case at 0 degree.

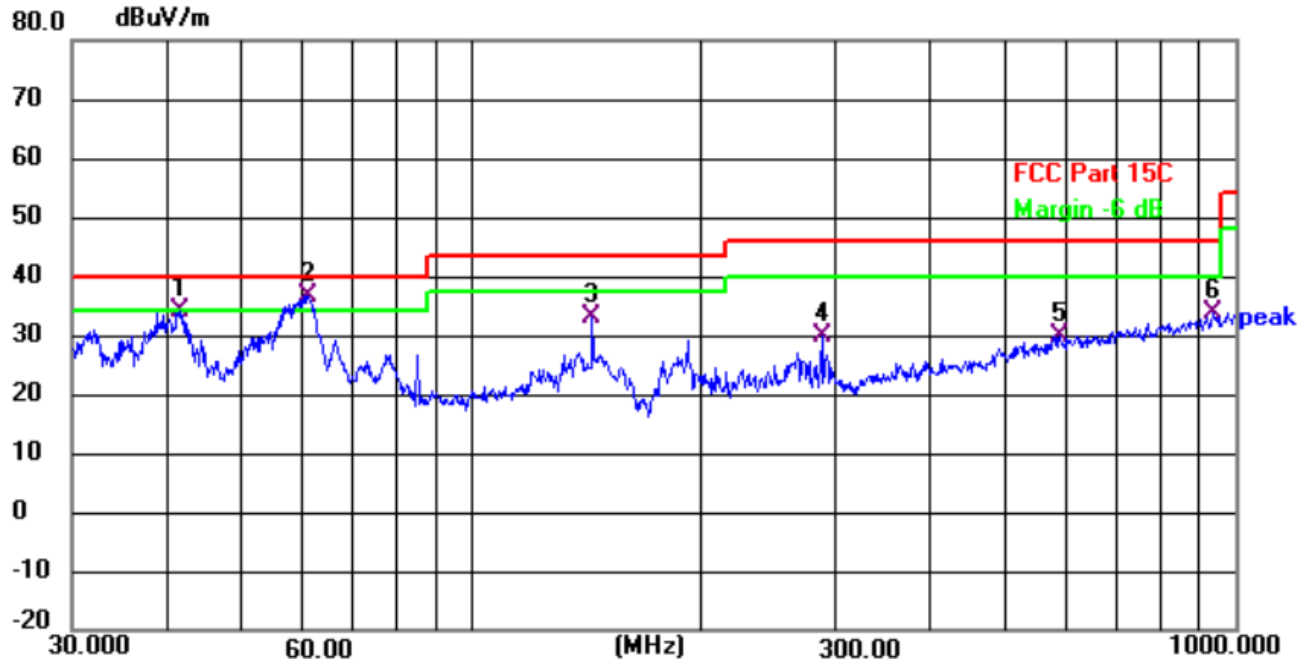
2). Margin=Reading level + Factor- Limit

Temperature	24.3°C	Humidity	54.2%
Test Engineer	Zhang hai	Configurations	Transmit

Below 1GHz*Horizontal*

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	60.7043	10.06	19.01	29.07	40.00	-10.93	QP	
2		103.4421	7.62	19.16	26.78	43.50	-16.72	QP	
3		191.7450	9.09	18.55	27.64	43.50	-15.86	QP	
4		287.9904	13.31	21.73	35.04	46.00	-10.96	QP	
5		601.4265	1.17	28.78	29.95	46.00	-16.05	QP	
6		916.0686	0.46	32.88	33.34	46.00	-12.66	QP	

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		41.5670	13.70	20.28	33.98	40.00	-6.02	QP	
2	*	61.1315	17.72	18.94	36.66	40.00	-3.34	QP	
3		143.8295	17.32	15.54	32.86	43.50	-10.64	QP	
4		287.9904	8.06	21.73	29.79	46.00	-16.21	QP	
5		588.9050	1.35	28.54	29.89	46.00	-16.11	QP	
6		935.5463	0.95	32.77	33.72	46.00	-12.28	QP	

1). Emission level (dBuV/m) = 20 log Emission level (uV/m).

2). Margin=Reading level + Factor- Limit.

Correct Factor=Antenna Factor+Cable Factor- Pre-amplifier Factor

8. 20 DB BANDWIDTH MEASUREMENT

8.1. Block Diagram of Test Setup



8.2. Test Procedure

Use the following spectrum analyzer settings:

RBW = 1~5% of the XdB Bandwidth

VBW = RBW*3

Sweep = auto

Detector function = peak

Trace = max hold

The EUT should be transmitting at its maximum data rate. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 20 dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is the 20 dB bandwidth of the emission. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).

9. PHOTOGRAPHS OF TEST SETUP

Please refer to separated files for Test Setup Photos of the EUT.

10. EXTERNAL PHOTOGRAPHS OF THE EUT

Please refer to separated files for External Photos of the EUT.

11. INTERNAL PHOTOGRAPHS OF THE EUT

Please refer to separated files for Internal Photos of the EUT.

-----THE END OF REPORT-----