



RF TEST REPORT

Report No.: 20250317G05164X-W8

Product Name: 5G Mobile Phone

Model No.: VTL-202402

FCC ID: 2BGHD-VTL202402

IC: 32468-VTL202402

Applicant: Chengdu Xiaochen Technology Co., Ltd

3rd Floor, Building B15, Ganzhizhongguo Chengdu Center, No. 777

Address: Huafu Avenue Shuangliu County, Chengdu City, Sichuan province, China

Dates of Testing: 03/18/2025 - 05/16/2025

Issued by: CCIC Southern Testing Co., Ltd.

Lab Location: Electronic Testing Building, No.43, Shahe Road, Xili Street, Nanshan District, Shenzhen, Guangdong, China.

Query E-Mail: manager@ccic-set.com

Feedback E-Mail: integrity@ccic-set.com

Report Query Tel: 0755-26627338

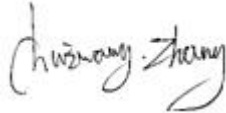
Feedback Tel: 0755-86185963

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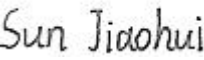


Test Report

Product.....: 5G Mobile Phone
Brand Name.....: Vertu
Applicant.....: Chengdu Xiaochen Technology Co., Ltd
Applicant Address.....: 3rd Floor, Building B15, Ganzhizhongguo Chengdu Center, No. 777 Huafu Avenue Shuangliu County, Chengdu City, Sichuan province, China
Manufacturer.....: VERTU INTERNATIONAL CORPORATION LIMITED
Manufacturer Address.....: Chase Business Centre 39-41 Chase Side London England N14 5BP
Test Standards.....: 47 CFR FCC Part 15.225
RSS-Gen Issue 5, Feb 2021
RSS-210 Issue 11 June 25, 2024 Annex B, B.6
ANSI C63.10-2020
Test Result.....: Pass

Tested by:  2025.05.16

Chuiwang Zhang, Test Engineer

Reviewed by.....:  2025.05.16

Sun Jiaohui, Senior Engineer

Approved by.....:  2025.05.16

Chris You, Manager



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Change History		
Issue	Date	Reason for change
1.0	205.05.16	First edition

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	5G Mobile Phone	
Model No.	VTL-202402	
Hardware Version	P10	
Software Version	15.0.0_4.02.02.01	
Operating Rang	13.56MHz	
Number of channel	1	
Modulation Type	ASK	
Antenna Type	Internal Antenna	
Antenna Gain	0dBi	
Power supply	Upper:	Rechargeable Li-ion Polymer Battery DC3.93V/3370mAh
	Bottom:	Rechargeable Li-ion Polymer Battery DC3.93V/885mAh

1.2. Test Standards and Results

The purpose of the report is to conduct testing according to the following FCC/IC certification standards:

No.	Identity	Document Title
1	47 CFR Part 15 Subpart C	Radio Frequency Devices
2	RSS-Gen Issue 5, Feb 2021	General Requirements for Compliance of Radio Apparatus
3	RSS-210 Issue 11 June 25, 2024 Annex B, B.6	Licence-Exempt Radio Apparatus: Category I Equipment
4	KDB 174176 D01 Line Conducted FAQ v01r01	AC Power-Line Conducted Emissions Frequently Asked Questions
5	ANSI C63.10-2020	American National Standard for Testing Unlicensed Wireless Devices

Test detailed items/section required by FCC/IC rules and results are as below:

No.	Section in CFR 47	IC Rules	Description	Result
1	15.203	RSS-GEN, 6.8	Antenna Requirement	PASS
2	15.207	RSS-GEN, 8.8	Conducted Emission	PASS
3	15.225(d) 15.209	RSS-GEN, 8.9 RSS-210 Annex B, B.6	Radiated Emission	PASS
4	15.225(a) (b) (c) 15.31(f)	RSS-210 Annex B, B.6	Field Strength of Radiated Emissions	PASS
5	15.225(e)	RSS-GEN, 6.11 RSS-210 Annex B, B.6	Frequency Stability	PASS
6	15.215(c)	RSS-GEN, 6.7	20 dB & 99% Bandwidth	PASS

Note 1: The tests of Conducted Emission and Radiated Emission were performed according to the method of measurements prescribed in ANSI C63.10-2020.



1.3. Laboratory Facilities and Accreditation Certificate

☒ CCIC-SET Lab 1

Address: Electronic Testing Building, No.43, Shahe Road, Xili Street, Nanshan District, Shenzhen, Guangdong, China

FCC-Registration No.: CN1283

CCIC Southern Testing Co., Ltd EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Designation Number: CN1283, valid time is until Jun. 30th, 2025.

ISED Registration: 11185A, CAB number: CN0064

CCIC Southern Testing Co., Ltd. EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 11185A on Aug. 04, 2016, valid time is until Jun. 30th, 2025.

A2LA Code: 5721.01

CCIC-SET is a third party testing organization accredited by A2LA according to ISO/IEC 17025. The accreditation certificate number is 5721.01.

CNAS L1659

CCIC Southern Testing Co., Ltd. CCIC is a third party testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L1659.

☐ CCIC-SET Lab 4

Address: No.125, Hongmei Section, Wangsha Road, Hongmei Town, Dongguan City, Guangdong Province, China

CNAS L1659

CCIC Southern Testing Co., Ltd. CCIC is a third party testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L1659.

1.4. Test Environment Conditions

During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	15°C - 35°C
Relative Humidity (%):	30% -60%
Atmospheric Pressure (kPa):	86kPa-106kPa

1. 47 CFR Part 15C Requirements

1.1. Antenna requirement

1.1.1. Applicable Standard

According to FCC 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.

1.1.2. Antenna Information

Antenna Category: Internal Antenna

A internal Antenna was soldered to the antenna port of EUT via an adaptor cable, can't be removed.

Antenna General Information:

No.	EUT	Operating frequency range	Ant. Type	Ant. Gain
1	5G Mobile Phone	13.56 MHz	Internal	0

1.1.3. Result: comply

The EUT has a permanently and irreplaceable attached antenna. Please refer to the EUT internal photos.

1.2. Field Strength of Radiated Emissions

1.2.1. Requirement

As per FCC Part 15.225 and RSS-210 Annex B, B.6.

- (a) The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.
- (b) Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.
- (c) Within the bands 13.110-13.410 MHz and 13.710-14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.
- (d) Extrapolation Factor = $20 \log_{10}(30/3)^2 = 40\text{dB}$.

1.2.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

1.2.3. Test Description

The measured Field Strength of Radiated Emissions was calculated by the reading of the spectrum analyzer and calibration.

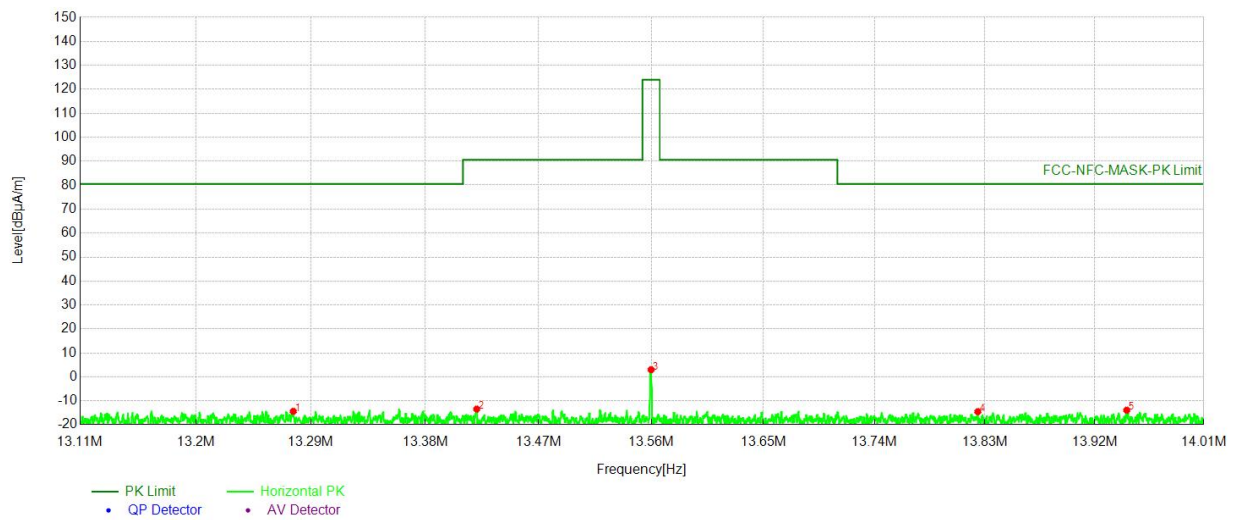
1.2.4. Test Setup

The radiated emission tests were performed in the 5-meter chamber test site, using the setup accordance with the ANSI C63.10-2020. The specification used was the FCC Part Subpart C limits.

1.2.5. Test Result

Field Strength of Radiated Emissions

Test site:	5M anechoic chamber	Environment:	Temp: 23°C; Humi:59%;101kPa
Operator:	Guo Kaiping	Test Date:	2025.04.16
Test Mode:	NFC Tx	Polarization:	Horizontal

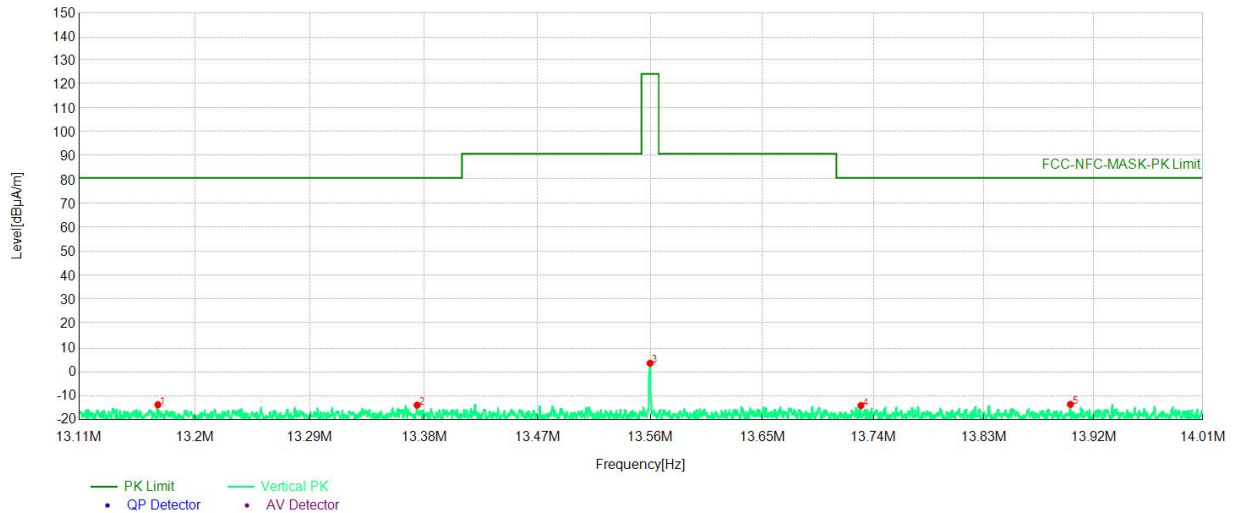


NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin[dB μV/m]	Height [cm]	Angle [°]	Polarity
1	13.28	-14.91	-18.44	80.50	95.41	100	70	Horizont
2	13.42	-13.95	-18.43	90.50	104.45	100	80	Horizont
3	13.56	2.46	-18.41	124.00	121.54	100	260	Horizont
4	13.82	-5.05	-18.40	90.50	95.55	100	250	Horizont
5	13.95	-14.44	-18.39	80.50	94.94	100	310	Horizont

Test Result : Pass

Field Strength of Radiated Emissions

Test site:	5M anechoic chamber	Environment:	Temp: 23℃; Humi:59%;101kPa
Operator:	Guo Kaiping	Test Date:	2025.04.16
Test Mode:	NFC Tx	Polarization:	Vertical



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin[dB μV/m]	Height [cm]	Angle [°]	Polarity
1	13.17	-14.15	-18.46	80.50	94.65	100	40	Vertical
2	13.37	-4.33	-18.43	90.50	94.83	100	10	Vertical
3	13.56	3.20	-18.41	124.00	120.80	100	270	Vertical
4	13.73	-4.50	-18.40	90.50	95.00	100	40	Vertical
5	13.90	-14.00	-18.39	80.50	94.50	100	90	Vertical

Test Result : Pass

1.3. 20 dB & 99% Bandwidth

1.3.1. Requirement

Per 15.215 (c) Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

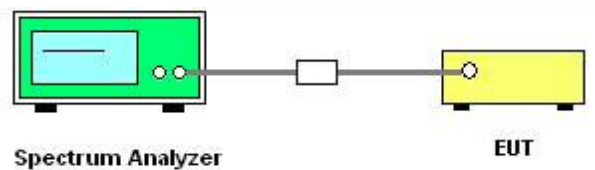
According to RSS-GEN 6.8, The occupied bandwidth or the “99% emission bandwidth” is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs.

Intentional radiators must be designed to ensure that the 20 dB bandwidth of the emissions in the specific band (13.553-13.567MHz).

1.3.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

1.3.3. Test Setup



1. The EUT which is powered by the AC 120V/60Hz is coupled to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss and Atten as the factor is calibrated to correct the reading.
2. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
3. Position the EUT without connection to measurement instrument. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.

4. Use the spectrum analyzer “Channel Bandwidth” function to easurement the 20dB EBW and 99% OBW.

1.3.4. Test Results

Test Frequency(MHz)	99% OBW (kHz)	20dB EBW(kHz)	20dB EBW Limit (kHz)	Results
13.56	0.422	0.493	11.2	Pass
Note: For 13.56MHz, permitted Band is 14 kHz, so the Limit is 11.2 kHz.				



Note: Because the measured signal is CW adjusting the RBW per C63.10-2020 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW.

1.4. Frequency Stability

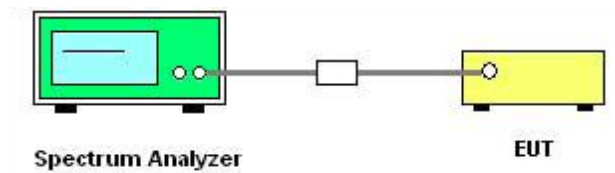
1.4.1. Requirement

According to FCC section 15.225(e), the frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ (100ppm) 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.

1.4.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

1.4.3. Test Setup



The EUT is powered by AC 120V/60Hz, which is coupled to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading.

1.4.4. Test Procedures

1. Frequency Stability vs. Temperature: The EUT is powered by AC 120V/60Hz, then antenna was connected to a Spectrum Analyzer. The EUT was placed inside the temperature chamber.
2. After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from the Spectrum Analyzer.
3. Frequency Stability vs. Voltage: An external variable AC power supply Source. The voltage was set to 115% of the nominal value and was then decreased until the transmitter light no longer illuminated; i.e., the end point. The output frequency was recorded for each voltage.

1.4.5. Test Results

Test Mode: Continuous Transmitting

Test Environment		Frequency Reading (MHz)	Frequency Error (%)	Frequency Error (ppm)	Limit (%)	Result
Power (V _{DC})	Temperature (°C)					
3.93	-20	13.5600	0.0000000000	0.0000	±0.01% (±100ppm)	Pass
	-10	13.5601	0.0000073746	7.3746		Pass
	0	13.5601	0.0000073746	7.3746		Pass
	10	13.5600	0.0000000000	0.0000		Pass
	20	13.5600	0.0000000000	0.0000		Pass
	30	13.5601	0.0000073746	7.3746		Pass
	40	13.5601	0.0000073746	7.3746		Pass
	50	13.5600	0.0000000000	0.0000		Pass
4.53	20	13.5601	0.0000073746	7.3746		Pass
3.65	20	13.5601	0.0000073746	7.3746		Pass

1.5. AC Power Line Conducted Emission

1.5.1. Requirement

According to FCC section 15.207, for an intentional radiator that 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 within the band 150kHz to 30MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dB μ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

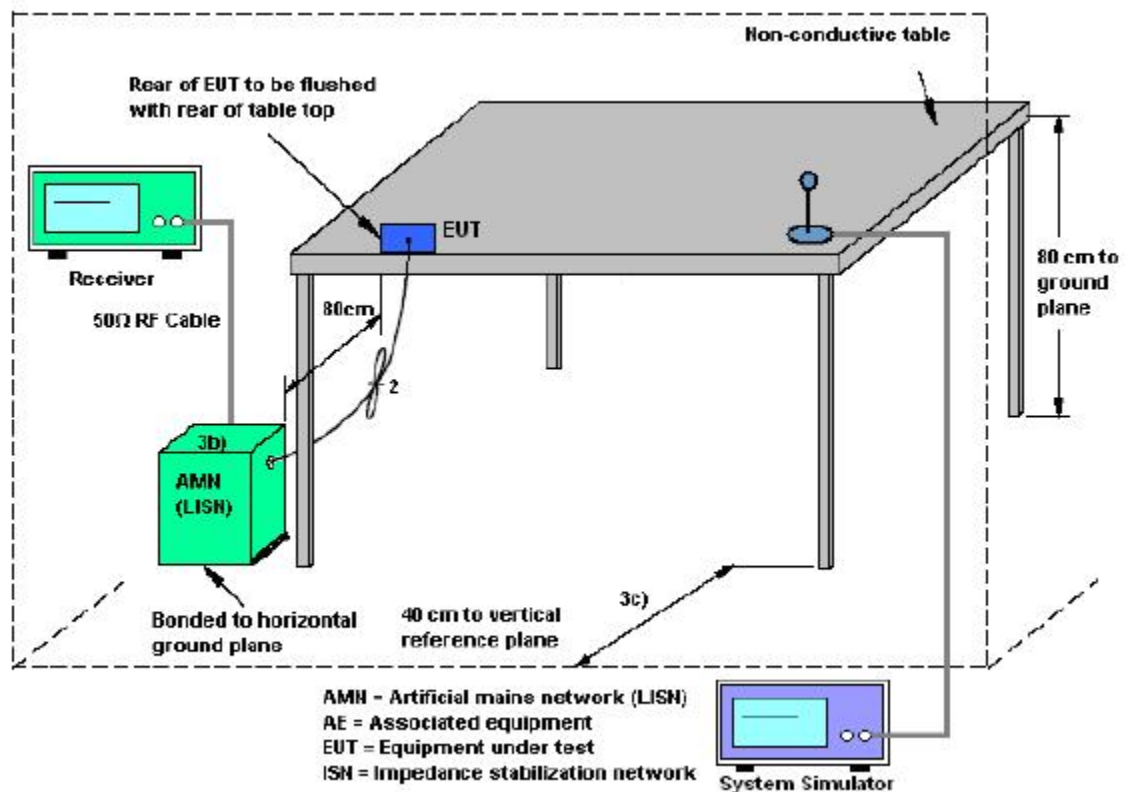
NOTE:

- The lower limit shall apply at the band edges.
- The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50MHz.

1.5.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

1.5.3. Test Setup



1.5.4. Test Procedures

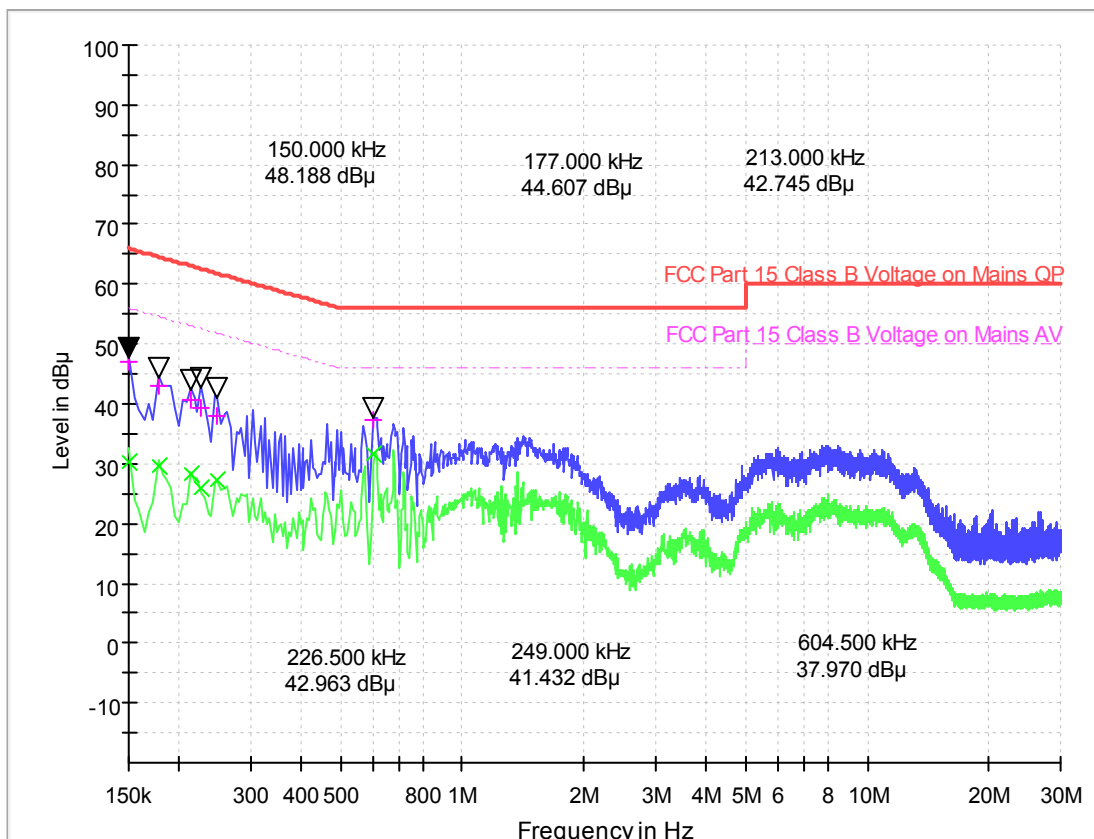
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 micrometry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

1.5.5. Test Results

The EUT configuration of the emission tests is NFC Tx + USB Cable (Charging from Adapter).

Project Information

Test site:	Shield ROOM 2	Environment:	Temp: 23°C; Humi:53%;101kPa
Operator:	HUANG CHUTING	Test Date:	2025.03.14
Test Mode:	NFC - TX	Test Part:	L Line



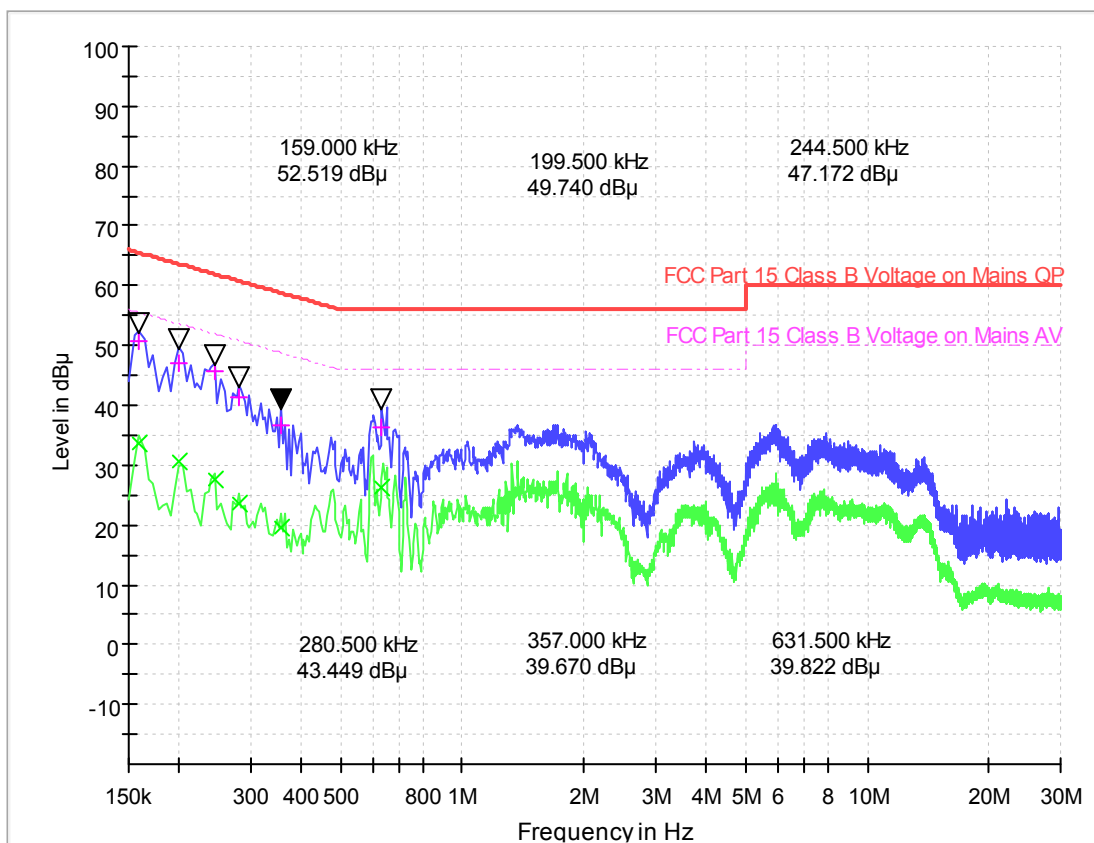
Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Corr.Factor (dB)	Margin - QPK	Limit - QPK (dBμV)	Margin - AV (dB)	Limit - AV (dBμV)
0.150000	46.91	30.17	10.4	19.09	66.00	25.83	56.00
0.177000	43.00	29.62	10.3	21.63	64.63	25.01	54.63
0.213000	40.54	28.30	10.6	22.55	63.09	24.79	53.09
0.226500	39.31	25.89	10.7	23.27	62.58	26.69	52.58
0.249000	38.10	27.37	10.7	23.69	61.79	24.42	51.79
0.604500	37.24	31.47	10.7	18.76	56.00	14.53	46.00

Test Result : Pass

Note: Final Level = Receiver Read level + Correction factor.

Project Information

Test site:	Shield ROOM 2	Environment:	Temp: 23°C; Humi:53%;101kPa
Operator:	HUANG CHUTING	Test Date:	2025.03.14
Test Mode:	NFC - TX	Test Part:	N Line



Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Corr.Factor (dB)	Margin - QPK	Limit - QPK (dBμV)	Margin - AV (dB)	Limit - AV (dBμV)
0.159000	50.62	33.60	10.7	14.90	65.52	21.92	55.52
0.199500	47.08	30.54	10.9	16.55	63.63	23.09	53.63
0.244500	45.59	27.53	11.0	16.35	61.94	24.41	51.94
0.280500	41.50	23.48	10.6	19.30	60.80	27.32	50.80
0.357000	36.59	19.53	10.6	22.21	58.80	29.27	48.80
0.631500	36.18	26.34	10.6	19.82	56.00	19.66	46.00

Test Result : Pass

Note: Final Level = Receiver Read level + Correction factor.

1.6. Radiated Emission

1.6.1. Limit of Radiated Band Edges and Spurious Emission

In any 100 kHz bandwidth outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level. If the transmitter uses an RMS average conducted power limit, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

§15.209(a) Radiated emission limits:

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
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

Note:

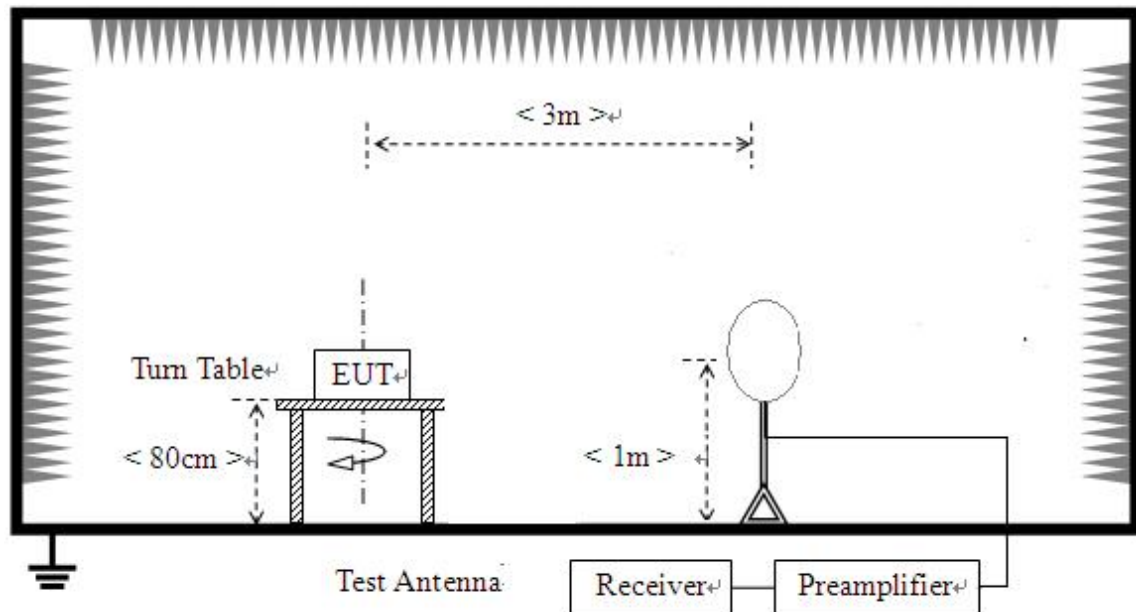
1. The radiated emission tests were performed in the 3-meter chamber test site, using the setup accordance with the ANSI C63.10-2020. The specification used was the FCC Part Subpart C limits.
2. The EUT was connected to a 120VAC/60Hz power source.

1.6.2. Measuring Instruments

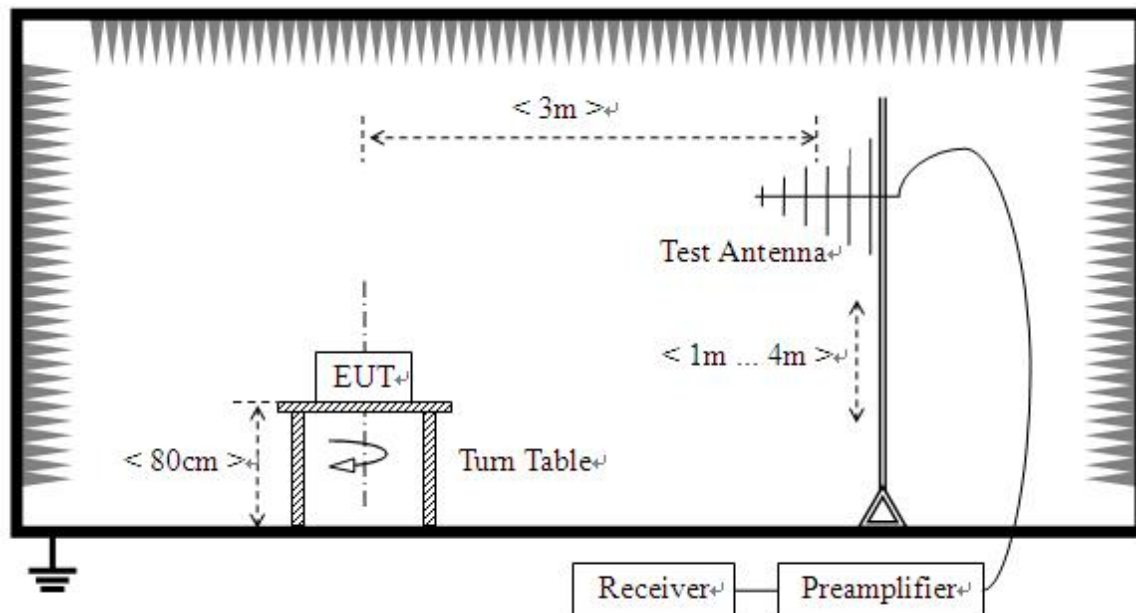
The measuring equipment is listed in the section 3 of this test report.

1.6.3. Test Setup

For radiated emissions from 9 kHz to 30 MHz



For radiated emissions from 30 MHz to 1 GHz



The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10:2013. The EUT was set-up on insulator 80cm above the Ground Plane. The set-up and test methods were according to ANSI C63.10:2013.

For the Test Antenna:

- (a) In the frequency range of 9 kHz to 30MHz, magnetic field is measured with Loop Test Antenna. The Test Antenna is positioned with its plane vertical at 1m distance from the EUT. The center of the Loop Test Antenna is 1m above the ground. During the measurement the Loop Test Antenna rotates about its vertical axis for maximum response at each azimuth about the EUT.
- (b) In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz). Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength. The emission levels at both horizontal and vertical polarizations should be tested.

1.6.4. Test Results

According to ANSI C63.10-2020 selection 4.2.2, because of peak detection will yield amplitudes equal to or greater than amplitudes measured with the quasi-peak (or average) detector, the measurement data from a spectrum analyzer peak detector will represent the worst-case results, if the peak measured value complies with the quasi-peak limit, it is unnecessary to perform an quasi-peak measurement.

The measurement results are obtained as below:

$$E [\text{dB}\mu\text{V/m}] = U_R + A_T + A_{\text{Factor}} [\text{dB}]; A_T = L_{\text{Cable loss}} [\text{dB}] - G_{\text{preamp}} [\text{dB}]$$

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

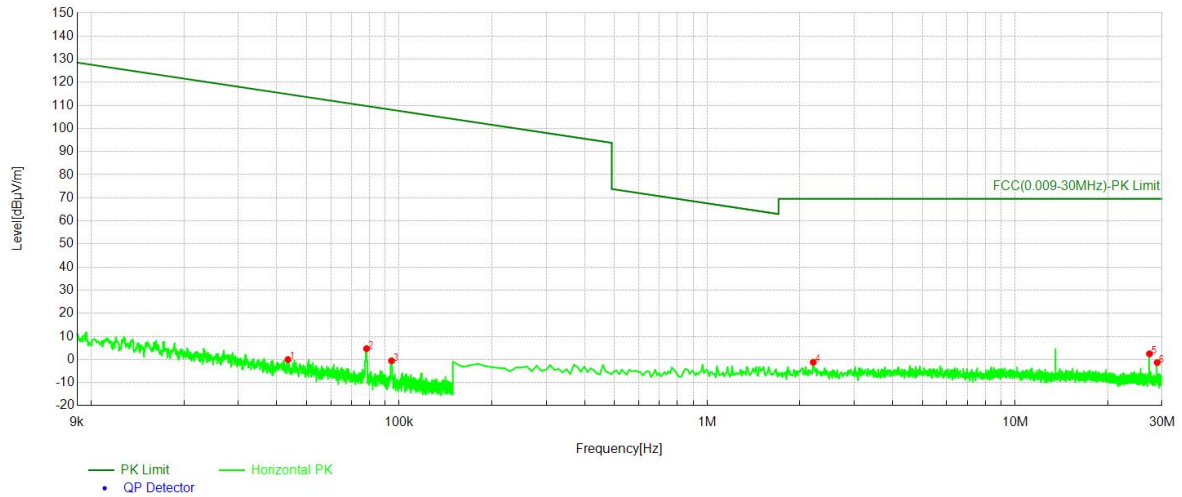
$L_{\text{Cable loss}}$: Cable loss

During the test, the total correction Factor A_T and A_{Factor} were built in test software.

The radiated frequency ranges from 9 kHz to 1 GHz.

For 9 kHz to 30MHz

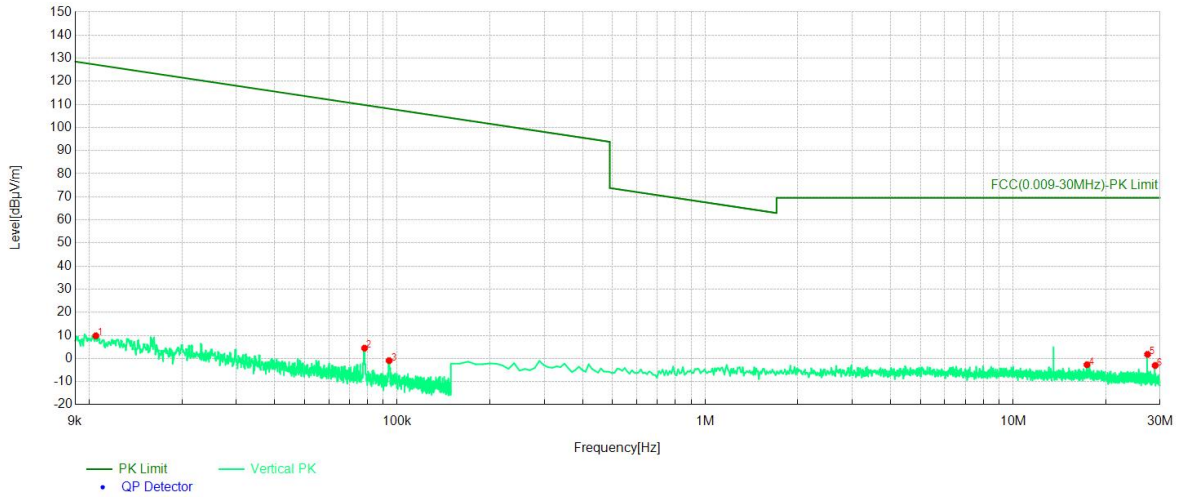
Test site:	5M anechoic chamber	Environment:	Temp: 23℃; Humi:59%;101kPa
Operator:	Guo Kaiping	Test Date:	2025.04.16
Test Mode:	NFC - Tx	Polarization:	Horizontal



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dBμV/m]	Height [cm]	Angle [°]	Polarity
1	0.04	-0.06	-19.19	114.84	114.90	100	220	Horizontal
2	0.08	4.71	-19.10	109.73	105.02	100	220	Horizontal
3	0.09	-0.58	-19.08	108.10	108.68	100	280	Horizontal
4	2.21	-1.22	-18.38	69.54	70.76	100	50	Horizontal
5	27.32	2.44	-18.09	69.54	67.10	100	330	Horizontal
6	28.94	-1.33	-18.17	69.54	70.87	100	310	Horizontal

Test Result : Pass

Test site:	5M anechoic chamber	Environment:	Temp: 23℃; Humi:59%;101kPa
Operator:	Guo Kaiping	Test Date:	2025.04.16
Test Mode:	NFC - Tx	Polarization:	Horizontal

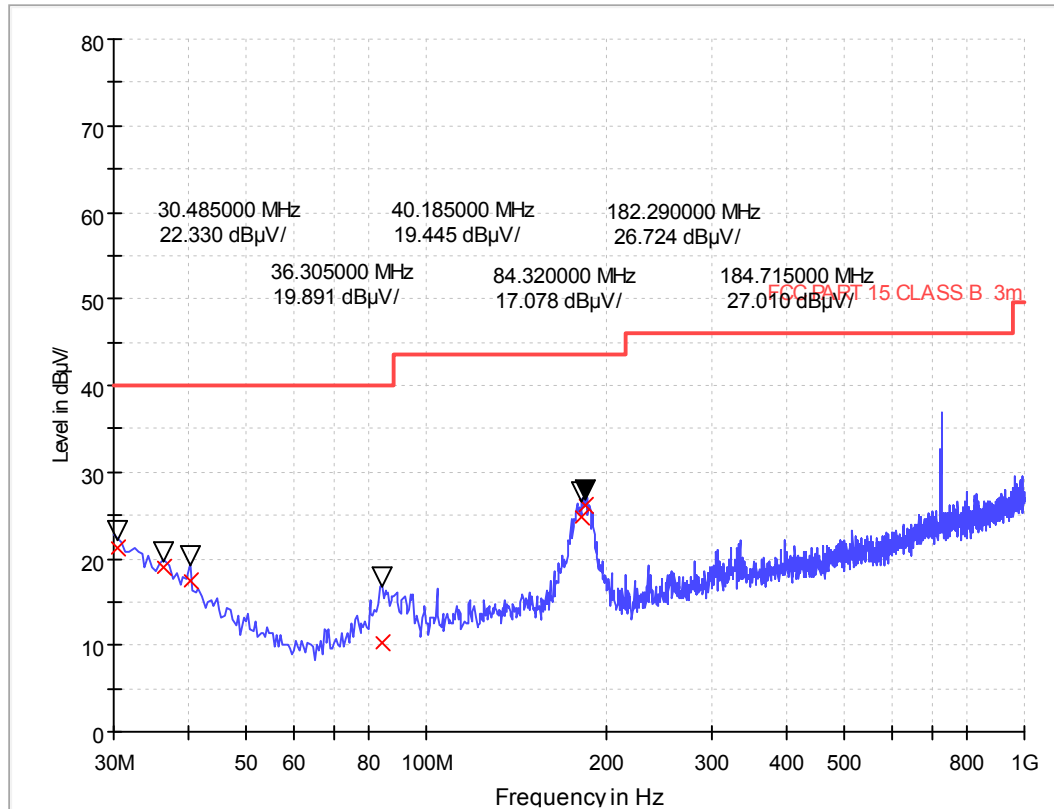


NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dBμV/m]	Height [cm]	Angle [°]	Polarity
1	0.01	9.82	-19.17	127.18	117.36	100	290	Vertical
2	0.08	4.46	-19.10	109.73	105.27	100	90	Vertical
3	0.09	-0.94	-19.08	108.13	109.07	100	280	Vertical
4	17.38	-2.71	-18.63	69.54	72.25	100	210	Vertical
5	27.33	1.79	-18.10	69.54	67.75	100	330	Vertical
6	28.94	-3.04	-18.17	69.54	72.58	100	230	Vertical

Test Result : Pass

For 30MHz to 1000MHz

Test site:	3M anechoic chamber	Environment:	Temp: 23℃; Humi:48%;101kPa
Operator:	Huang Chaoming	Test Date:	2025.03.28
Test Mode:	NFC - TX	Polarization:	Horizontal



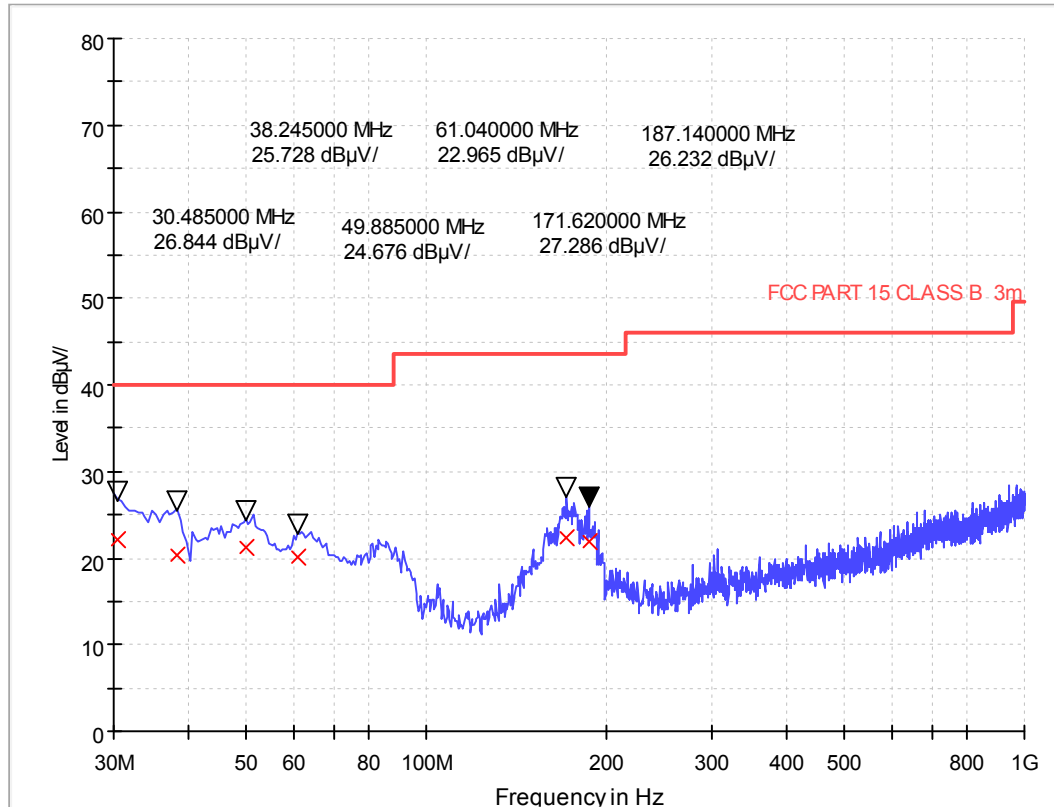
Frequency (MHz)	QuasiPeak (dBμV/m)	Bandwidth (kHz)	Height (cm)	Polarity	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBμV/m)
30.485000	21.24	120.000	100.0	H	19.1	18.76	40.0
36.305000	18.98	120.000	100.0	H	16.0	21.02	40.0
40.185000	17.35	120.000	100.0	H	14.2	22.65	40.0
84.320000	10.27	120.000	100.0	H	8.3	29.73	40.0
182.290000	24.75	120.000	100.0	H	11.8	18.75	43.5
184.715000	26.05	120.000	100.0	H	11.8	17.45	43.5

Test Result : Pass

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB).
3. Margin value = Limit value - Emission Level.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. Only the antenna height (from 1m to 4m) at maximum reading are recorded.

Test site:	3M anechoic chamber	Environment:	Temp: 23°C; Humi:48%;101kPa
Operator:	Huang Chaoming	Test Date:	2025.03.28
Test Mode:	NFC - TX	Polarization:	Vertical



Frequency (MHz)	QuasiPeak (dBμV/m)	Bandwidth (kHz)	Height (cm)	Polarity	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBμV/m)
30.485000	22.04	120.000	100.0	V	19.1	17.96	40.0
38.245000	20.28	120.000	100.0	V	15.1	19.72	40.0
49.885000	21.14	120.000	100.0	V	9.0	18.86	40.0
61.040000	20.01	120.000	100.0	V	5.6	19.99	40.0
171.620000	22.33	120.000	100.0	V	11.9	21.17	43.5
187.140000	21.87	120.000	100.0	V	11.8	21.63	43.5

Test Result : Pass

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB).
3. Margin value = Limit value - Emission Level.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. Only the antenna height (from 1m to 4m) at maximum reading are recorded.

2. List of measuring equipment

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	5M Anechoic Chamber	Albatross	SAC-5MAC 12.8x6.8x6.4m	A0304210	2023.08.01	2026.07.31
2	EMI Test Receiver	ROHDE&SCHWARZ	ESW26	A180502935	2024.05.23	2025.05.22
3	Loop Antenna	Schwarz beck	HFH2-Z2	A0304220	2022.05.02	2025.05.01
4	Broadband antenna (30MHz~1GHz)	R&S	HL562	A0304224	2023.06.08	2026.06.07
5	EMI Horn Ant. (1-18G)	ETC	MCTD-1209	A150402241	2023.05.16	2026.05.15
6	Horn antenna (18GHz~26.5GHz)	AR	AT4510	A0804450	2023.06.01	2026.05.31
7	Amplifier 30M~1GHz	TESEQ	CBA1G-600B	A190503534	2024.09.05	2025.09.04
8	Amplifier 1G~18GHz	MILMEGA	AS0104R-800/400	A160302517	2024.05.25	2025.05.24
9	Spectrum Analyzer	KEYSIGHT	N9030A	A160702554	2024.12.31	2025.12.30
10	Test Receiver	R&S	ESIB7	A0501375	2025.01.13	2026.01.12
11	Broadband Ant.	ETC	MCTD 2786	A150402240	2023.05.22	2026.05.21
12	3M Anechoic Chamber	Albatross	SAC-3MAC 9*6*6m	A0412375	2024.02.27	2027.02.26
13	Test Receiver	KEYSIGHT	N9038A	A141202036	2024.06.05	2025.06.04
14	LISN	ROHDE&SCHWARZ	ENV216	A140701847	2024.05.23	2025.05.22
15	Cable(9kHz~30MHz)	/	/	C230800587	2023.08.21	2026.08.20
16	Cable(30MHz~18GHz)	/	XSMJA750-SMN M(RA)-12M	C230800588	2023.08.21	2026.08.20
17	Cable(18GHz~40GHz)	/	SUCOFLEX102	C230800590	2023.08.21	2026.08.20

3. Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.10-2020. All the measurement uncertainty value were shown with a coverage $K=2$ to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of AC Power Line Conducted Emission Measurement (150kHz~30MHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	2.8dB
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Uncertainty of Radiated Emission Measurement (9kHz~30MHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	3.5dB
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Uncertainty of Radiated Emission Measurement (30MHz~1GHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	3.91dB
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Uncertainty of Radiated Emission Measurement (1GHz~18GHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	4.5dB
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Uncertainty of Radiated Emission Measurement (18GHz~40GHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	4.9dB
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Uncertainty of RF Conducted Measurement (9kHz~40GHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	1.2dB
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Uncertainty of Occupied Bandwidth Measurement

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	1.2%
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****END OF REPORT****