

TEST REPORT

FCC ID.	2AQRM2023005	
Test Report No.	TCT221207E060	
Date of issue	Dec. 22, 2022	
Testing laboratory	SHENZHEN TONGCE TESTING LAB	
Testing location/ address:	2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China	
Applicant's name	FOXX Development Inc.	
Address	6689 Peachtree Industrial Blvd, STE B, Peachtree Corners, Georgia 30092, United States	
Manufacturer's name ...	SHENZHEN JREN TECHNOLOGY CO., LTD.	
Address	B Area, 9/F, A4 Building, Tianrui Industrial Park, No. 35, Fuyuan 1st Road, Zhancheng, Fuhai, Baoan District, Shenzhen, China.	
Standard(s)	FCC CFR Title 47 Part 15 Subpart C Section 15.225	
Product Name	Smart Phone	
Trade Mark	FOXXD	
Model/Type reference	N5, A5, A5 PRO	
Rating(s)	Refer to EUT description of page 3	
Date of receipt of test item	Dec. 07, 2022	
Date (s) of performance of test	Feb. 23, 2022 - Dec. 22, 2022	
Tested by (+signature) ...	Rleo LIU	
Check by (+signature)	Beryl ZHAO	
Approved by (+signature):	Tomsin	

General disclaimer:

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Appendix A: Photographs of Test Setup

Appendix B: Photographs of EUT

1. General Product Information

1.1.EUT description

Product Name.....:	Smart Phone
Model/Type reference.....:	N5
Sample Number.....:	TCT221207E047-0101
Operation Frequency	13.56MHz
Antenna Type.....:	Internal Antenna
Rating(s).....:	Adapter Information: MODEL: B0S050100-03A INPUT: AC 100-240V, 50/60Hz, 0.3A OUTPUT: DC 5V, 1000mA Rechargeable Li-ion Battery DC 3.8V

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

1.2.Model(s) list

No.	Model No.	Tested with
1	N5	☒
Other models	A5, A5 PRO	☐

Note: N5 is tested model, other models are derivative models. The models are identical in circuit and PCB layout, only different on the model names. So the test data of N5 can represent the remaining models.

2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203	PASS
AC Power Line Conducted Emission	§15.207	PASS
Spurious emissions	§15.225/ §15.209	PASS
Occupied Bandwidth	§15.215 (c)	PASS
Frequency stability	§15.225	PASS

Note:

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.

3. General Information

3.1. Test Environment and Mode

Operating Environment:		
Condition	Conducted Emission	Radiated Emission
Temperature:	25.3 °C	25.5 °C
Humidity:	56 % RH	53 % RH
Test Mode:		
Engineer mode:	Keep the EUT in continuous transmitting by select channel and modulations with Fully-charged battery	
The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case(Z axis) are shown in Test Results of the following pages.		

3.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
/	/	/	/	/

Note:

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. Facilities and Accreditations

4.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

- FCC - Registration No.: 645098

SHENZHEN TONGCE TESTING LAB

Designation Number: CN1205

The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC - Registration No.: 10668A-1

SHENZHEN TONGCE TESTING LAB

CAB identifier: CN0031

The testing lab has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

4.2. Location

SHENZHEN TONGCE TESTING LAB

Address: 2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China

TEL: +86-755-27673339

4.3. Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	MU
1	Conducted Emission	± 3.10 dB
2	RF power, conducted	± 0.12 dB
3	Spurious emissions, conducted	± 0.11 dB
4	All emissions, radiated(<1 GHz)	± 4.56 dB
5	All emissions, radiated(1 GHz - 18 GHz)	± 4.22 dB
6	All emissions, radiated(18 GHz- 40 GHz)	± 4.36 dB

5. Test Results and Measurement Data

5.1. Antenna Requirement

Standard requirement:	FCC Part15 C Section 15.203
15.203 requirement: 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, 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. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.	
E.U.T Antenna:	
The NFC antenna is internal antenna which permanently attached.	
	

5.2. Conducted Emission

5.2.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.207														
Test Method:	ANSI C63.10:2013														
Frequency Range:	150 kHz to 30 MHz														
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto														
Limits:	<table><tr><th rowspan="2">Frequency range (MHz)</th><th colspan="2">Limit (dBuV)</th></tr><tr><th>Quasi-peak</th><th>Average</th></tr><tr><td>0.15-0.5</td><td>66 to 56*</td><td>56 to 46*</td></tr><tr><td>0.5-5</td><td>56</td><td>46</td></tr><tr><td>5-30</td><td>60</td><td>50</td></tr></table>	Frequency range (MHz)	Limit (dBuV)		Quasi-peak	Average	0.15-0.5	66 to 56*	56 to 46*	0.5-5	56	46	5-30	60	50
Frequency range (MHz)	Limit (dBuV)														
	Quasi-peak	Average													
0.15-0.5	66 to 56*	56 to 46*													
0.5-5	56	46													
5-30	60	50													
Test Setup:	Reference Plane Test table/Insulation plane <i>Remark</i> E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m														
Test Mode:	Charging + Transmitting Mode														
Test Procedure:	1. The E.U.T is connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement.														
Test Result:	PASS														

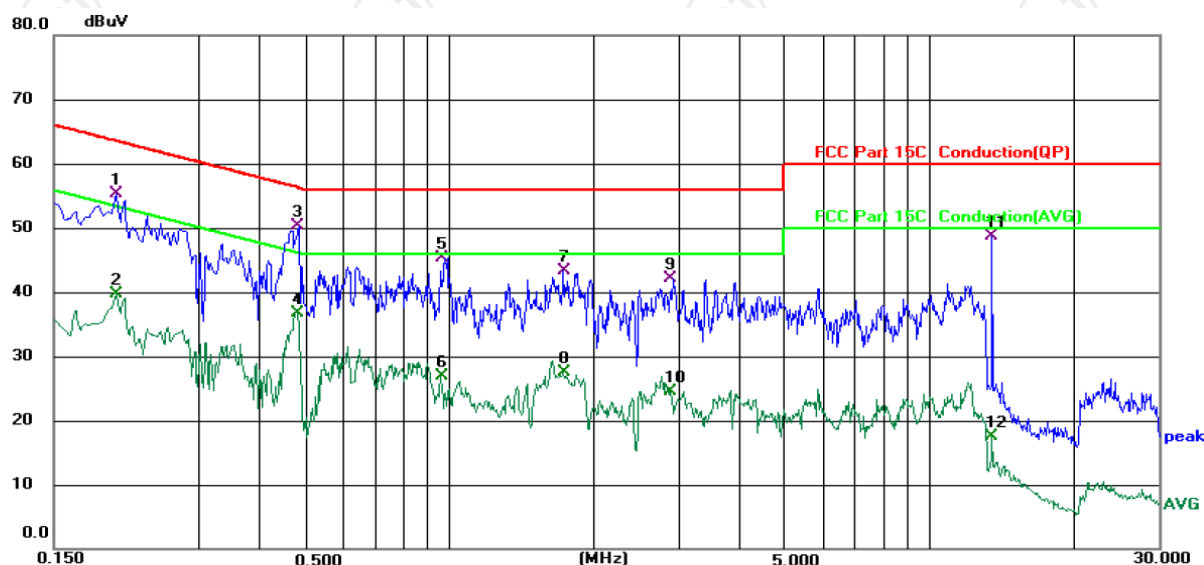
5.2.2. Test Instruments

Conducted Emission Shielding Room Test Site (843)				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
EMI Test Receiver	R&S	ESCI3	100898	Jul. 03, 2023
Line Impedance Stabilisation Newtork(LISN)	Schwarzbeck	NSLK 8126	8126453	Feb. 24, 2023
Line-5	TCT	CE-05	/	Jul. 03, 2024
EMI Test Software	Shurple Technology	EZ-EMC	/	/

5.2.3. Test data

Please refer to following diagram for individual

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



Site 844 Shielding Room

Phase: L1

Temperature: 25.3 (°C)

Humidity: 56 %

Limit: FCC Part 15C Conduction(QP)

Power: AC 120 V/60 Hz

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2020	44.87	10.49	55.36	63.53	-8.17	QP	
2		0.2020	29.27	10.49	39.76	53.53	-13.77	AVG	
3	*	0.4819	40.13	10.16	50.29	56.31	-6.02	QP	
4		0.4819	26.59	10.16	36.75	46.31	-9.56	AVG	
5		0.9619	35.13	10.11	45.24	56.00	-10.76	QP	
6		0.9619	16.78	10.11	26.89	46.00	-19.11	AVG	
7		1.7259	33.32	10.04	43.36	56.00	-12.64	QP	
8		1.7259	17.37	10.04	27.41	46.00	-18.59	AVG	
9		2.8900	32.02	10.03	42.05	56.00	-13.95	QP	
10		2.8900	14.38	10.03	24.41	46.00	-21.59	AVG	
11		13.5500	38.41	10.28	48.69	60.00	-11.31	QP	
12		13.5500	7.23	10.28	17.51	50.00	-32.49	AVG	

Note:

Freq. = Emission frequency in MHz

Reading level (dBuV) = Receiver reading

Corr. Factor (dB) = LISN factor + Cable loss

Measurement (dBuV) = Reading level (dBuV) + Corr. Factor (dB)

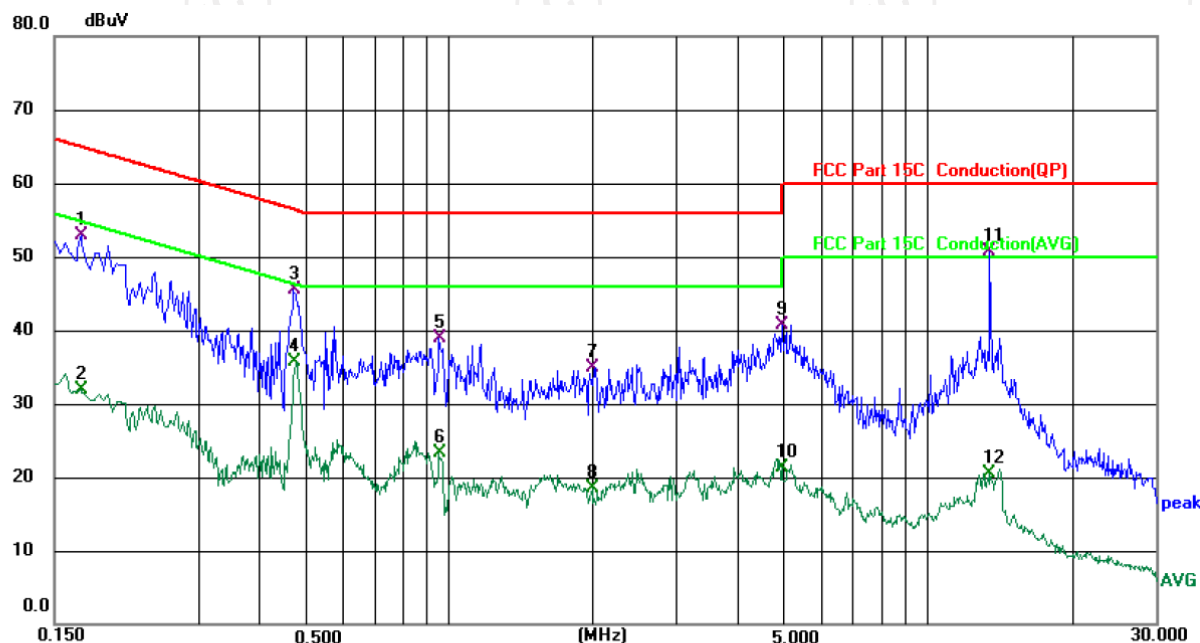
Limit (dBuV) = Limit stated in standard

Margin (dB) = Measurement (dBuV) – Limits (dBuV)

Q.P. = Quasi-Peak, AVG = average

* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz

Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



Site 844 Shielding Room

Phase: **N**

Temperature: 25.3 (°C)

Humidity: 56 %

Limit: FCC Part 15C Conduction(QP)

Power: AC 120 V/60 Hz

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1700	42.47	10.46	52.93	64.96	-12.03	QP	
2		0.1700	21.35	10.46	31.81	54.96	-23.15	AVG	
3		0.4739	35.30	10.16	45.46	56.45	-10.99	QP	
4		0.4739	25.46	10.16	35.62	46.45	-10.83	AVG	
5		0.9579	28.80	10.11	38.91	56.00	-17.09	QP	
6		0.9579	13.17	10.11	23.28	46.00	-22.72	AVG	
7		1.9939	24.82	10.12	34.94	56.00	-21.06	QP	
8		1.9939	8.37	10.12	18.49	46.00	-27.51	AVG	
9		4.9618	30.48	10.17	40.65	56.00	-15.35	QP	
10		4.9618	11.16	10.17	21.33	46.00	-24.67	AVG	
11	*	13.5500	40.29	10.38	50.67	60.00	-9.33	QP	
12		13.5500	10.14	10.38	20.52	50.00	-29.48	AVG	

Note:

Freq. = Emission frequency in MHz

Reading level (dBuV) = Receiver reading

Corr. Factor (dB) = LISN factor + Cable loss

Measurement (dBuV) = Reading level (dBuV) + Corr. Factor (dB)

Limit (dBuV) = Limit stated in standard

Margin (dB) = Measurement (dBuV) – Limits (dBuV)

Q.P. =Quasi-Peak

AVG =average

* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz

5.3. Radiated Emission Measurement

5.3.1. Test Specification

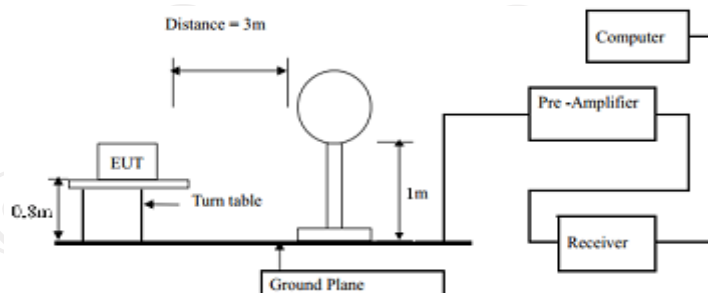
Test Requirement:	FCC Part15 C Section 15.225				
Test Method:	ANSI C63.10: 2013				
Frequency Range:	9 kHz to 1000 MHz				
Measurement Distance:	3 m				
Antenna Polarization:	Horizontal & Vertical				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value
	150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak Value
Limit:	FCC Part15 C Section 15.225				
	Frequency (MHz)		Limit (uV/m @30m)	Limit (dBuV/m @3m)	Detector
	13.110-13.410		106	80.5	QP
	13.410-13.553		334	90.5	QP
	13.553-13.567		15848	124.0	QP
	13.567-13.7110		224	90.5	QP
	13.710-14.010		106	80.5	QP
	Note: RF Voltage (dBuV) = 20 log RF Voltage (uV) Limit (dBuV/m @3m) = 20log(Limit (uV/m @30m)) + 40				
	FCC Part15 C Section 15.209				
	Frequency Range (MHz)		Distance (m)	Field strength (dB μ V/m)	Detector
	0.009-0.490		3	20log 2400/F (kHz) + 80	QP
	0.490-1.705		3	20log 24000/F (kHz) + 40	QP
	1.705-30		3	20log 30 + 40	QP
	30-88		3	40.0	QP
	88-216		3	43.5	QP
	216-960		3	46.0	QP
	Above 960		3	54.0	QP
	Note: 1. RF Voltage (dBuV) = 20 log RF Voltage (uV) 2. In the Above Table, the tighter limit applies at the band edges. 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT 4. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position. 5. If measurement is made at 3m distance, then F.S Limitation at 3m distance is adjusted by using the formula $Ld1 = Ld2 * (d2/d1)$				

Test Procedure:

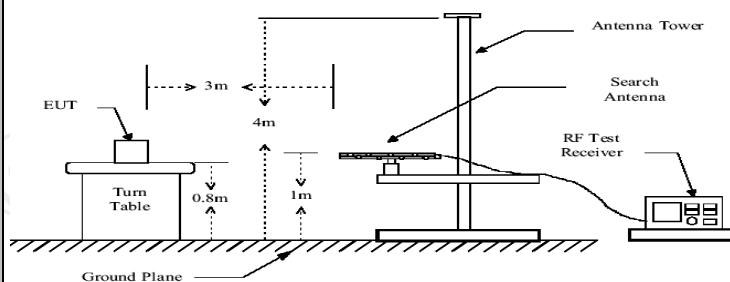
1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber in below 1GHz. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. 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.
4. 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 and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. 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.

Test setup:

For radiated emissions below 30MHz



30MHz to 1GHz



Test Mode:

Refer to section 3.1 for details

Test results:

PASS

5.3.2. Test Instruments

Radiated Emission Test Site (966)				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
EMI Test Receiver	R&S	ESIB7	100197	Jul. 03, 2023
Spectrum Analyzer	R&S	FSQ40	200061	Jul. 03, 2023
Pre-amplifier	SKET	LNPA_0118G-45	SK2021012102	Feb. 24, 2023
Pre-amplifier	SKET	LNPA_1840G-50	SK202109203500	Feb. 24, 2023
Pre-amplifier	HP	8447D	2727A05017	Jul. 03, 2023
Loop antenna	Schwarzbeck	FMZB1519B	00191	Jun. 11, 2024
Broadband Antenna	Schwarzbeck	VULB9163	340	Jul. 05, 2024
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Jul. 05, 2024
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Apr. 10, 2023
Coaxial cable	SKET	RC-18G-N-M	/	Feb. 24, 2024
Coaxial cable	SKET	RC_40G-K-M	/	Feb. 24, 2024
EMI Test Software	Shurple Technology	EZ-EMC	/	/

5.3.3. Test Data

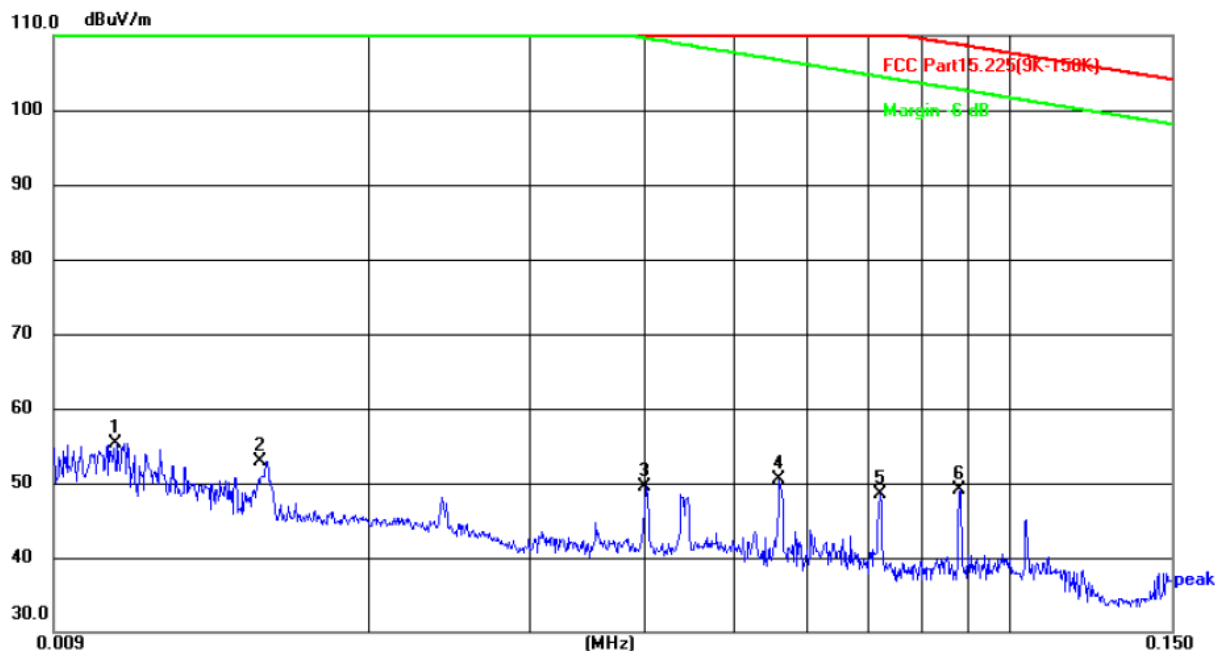
Field Strength of Fundamental

Frequency (MHz)	Emission Level dBuV/m@3m	Emission Level dBuV/m@30m	Limits dBuV/m@30m	Result
13.56	56.69	16.69	84	PASS

Spurious Emissions

9KHz-30MHz

9KHz-150KHz:



Site: #3 3m Anechoic Chamber

Polarization: **Coaxial**

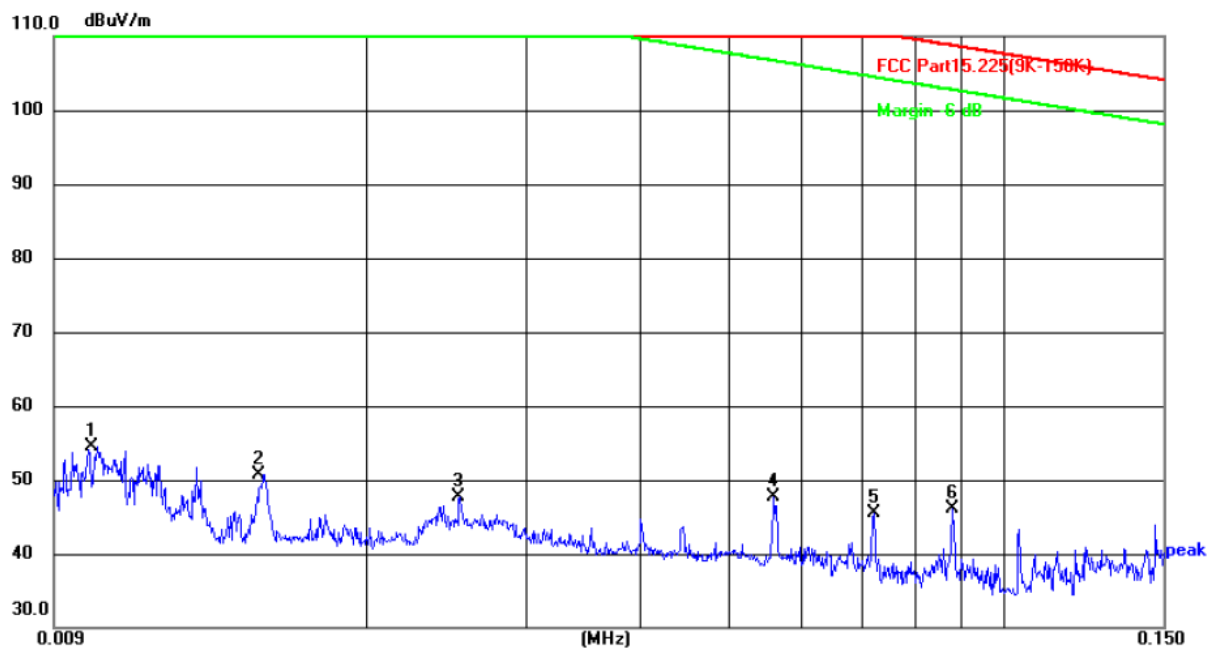
Temperature: 24(°C)

Humidity: 52 %

Limit: FCC Part15.225(9K-150K)

Power:DC 3.7 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	0.0105	34.59	20.72	55.31	127.18	-71.87	peak	P
2	0.0151	32.32	20.67	52.99	124.03	-71.04	peak	P
3	0.0400	29.01	20.54	49.55	115.56	-66.01	peak	P
4	0.0558	29.71	20.76	50.47	112.67	-62.20	peak	P
5	0.0719	27.44	21.05	48.49	110.47	-61.98	peak	P
6 *	0.0879	28.04	21.01	49.05	108.72	-59.67	peak	P



Site: #3 3m Anechoic Chamber

Polarization: **Conplanar**

Temperature: 24(°C)

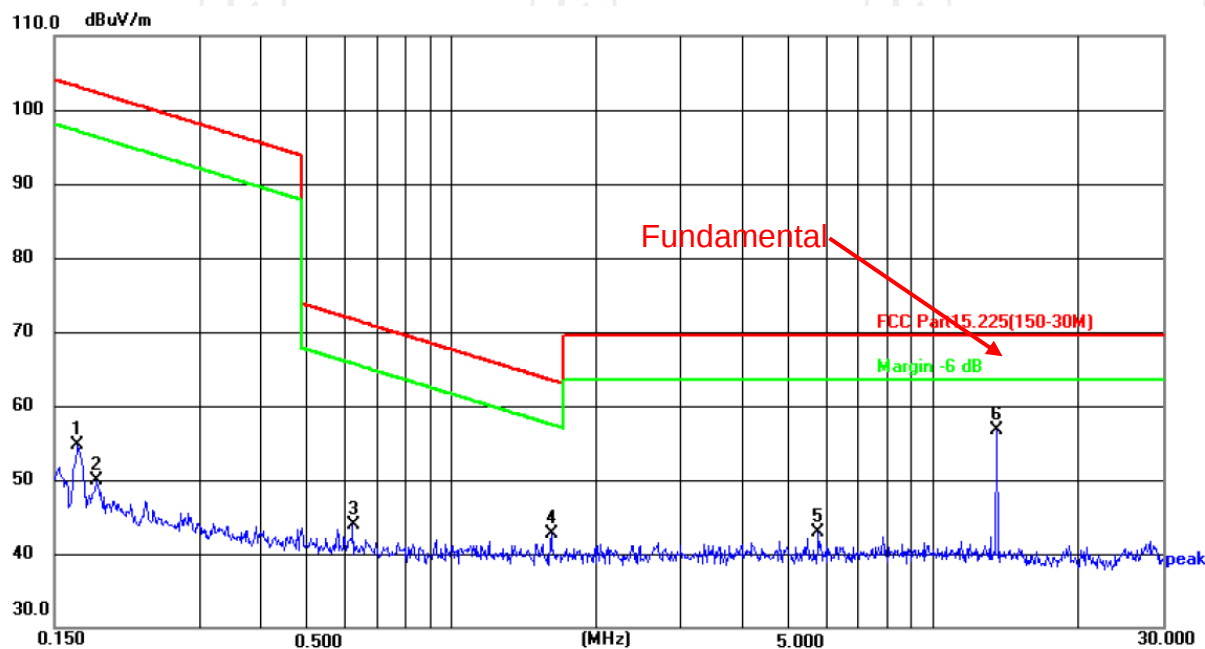
Humidity: 52 %

Limit: FCC Part15.225(9K-150K)

Power:DC 3.7 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	0.0100	33.86	20.73	54.59	127.60	-73.01	peak	P
2	0.0151	30.12	20.67	50.79	124.03	-73.24	peak	P
3	0.0252	27.11	20.54	47.65	119.58	-71.93	peak	P
4	0.0560	26.96	20.76	47.72	112.64	-64.92	peak	P
5	0.0719	24.43	21.05	45.48	110.47	-64.99	peak	P
6 *	0.0879	25.11	21.01	46.12	108.72	-62.60	peak	P

150KHz-30MHz:



Site: #3 3m Anechoic Chamber

Polarization: **Coaxial**

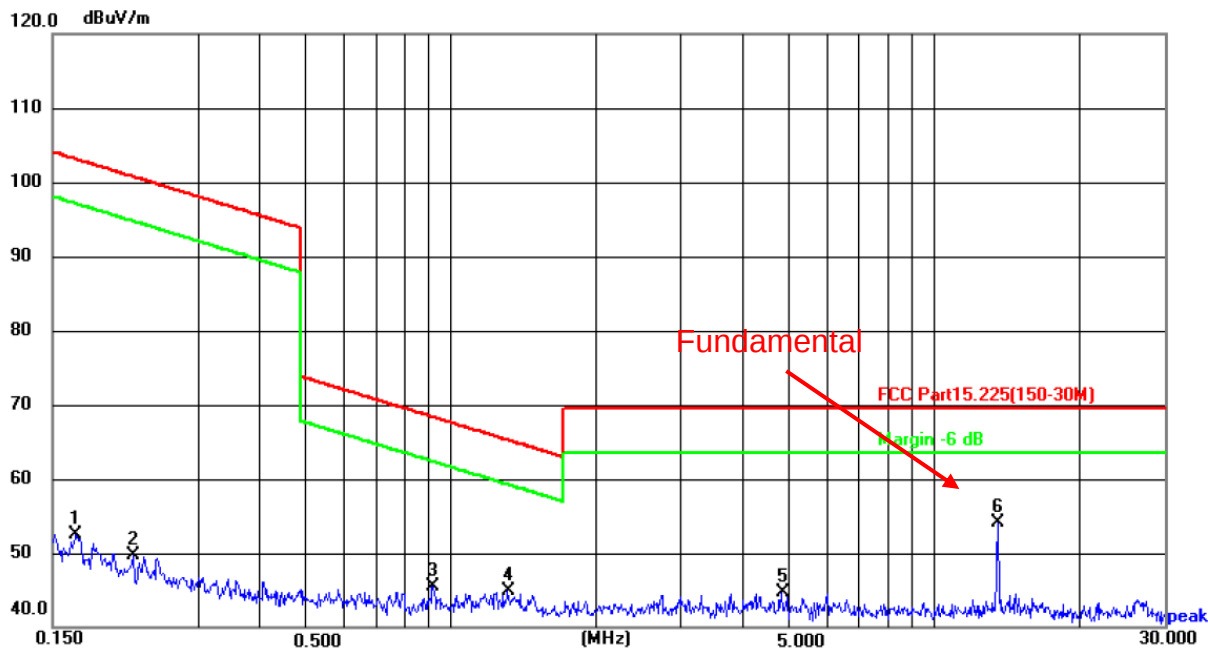
Temperature: 24(°C)

Humidity: 52 %

Limit: FCC Part15.225(150-30M)

Power:DC 3.8 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	0.1680	33.86	20.76	54.62	103.10	-48.48	peak	P	
2	0.1839	29.17	20.79	49.96	102.31	-52.35	peak	P	
3	0.6254	22.00	21.83	43.83	71.68	-27.85	peak	P	
4	1.6147	18.85	23.92	42.77	63.44	-20.67	peak	P	
5	5.7895	10.85	32.14	42.99	69.54	-26.55	peak	P	
6 *	13.5868	37.02	19.67	56.69	69.54	-12.85	peak	P	



Site: #3 3m Anechoic Chamber

Polarization: **Conplanar**

Temperature: 24(°C)

Humidity: 52 %

Limit: FCC Part15.225(150-30M)

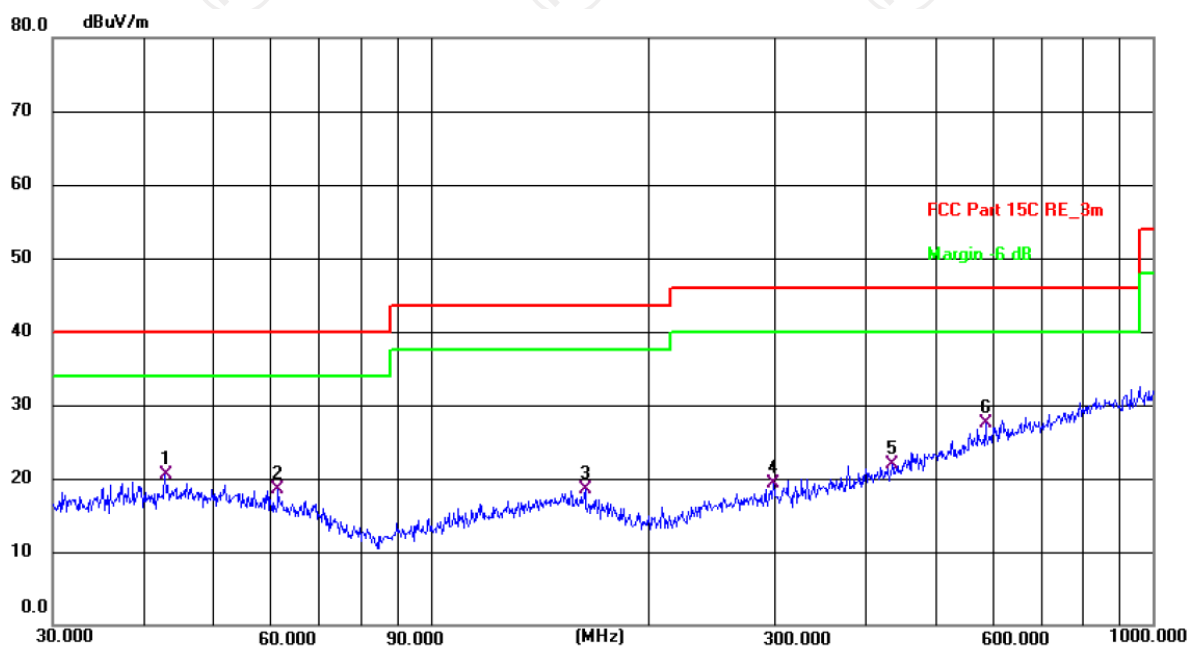
Power:DC 3.8 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	0.1685	31.75	20.77	52.52	103.07	-50.55	peak	P	
2	0.2203	28.91	20.89	49.80	100.74	-50.94	peak	P	
3	0.9184	22.96	22.48	45.44	68.34	-22.90	peak	P	
4	1.3133	21.59	23.31	44.90	65.24	-20.34	peak	P	
5	4.8480	14.28	30.35	44.63	69.54	-24.91	peak	P	
6 *	13.5868	34.45	19.67	54.12	69.54	-15.42	peak	P	

Note : 1) Emission Level=Peak Reading + Correction Factor;
Correction Factor= Antenna Factor + Cable loss – Pre-amplifier

30MHz-1GHz

Horizontal:



Site: #1 3m Anechoic Chamber

Polarization: **Horizontal**

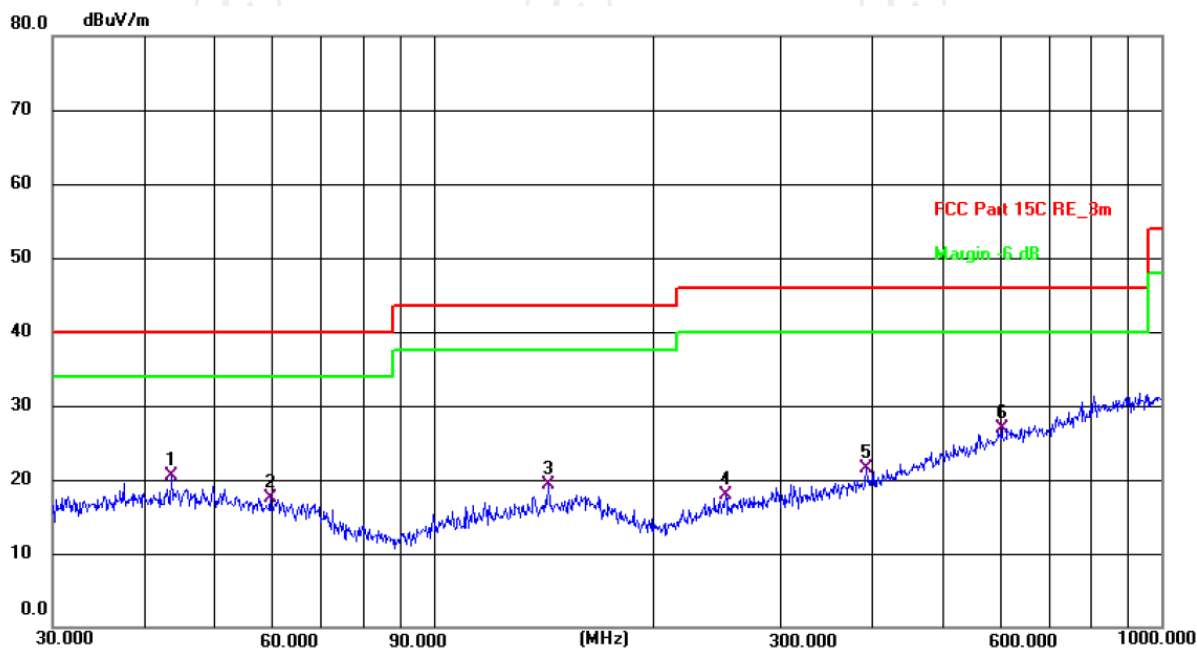
Temperature: 25.5(C) Humidity: 53 %

Limit: FCC Part 15C RE_3m

Power: DC 3.8 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	42.8998	6.95	13.65	20.60	40.00	-19.40	QP	P	
2	61.5618	6.51	11.99	18.50	40.00	-21.50	QP	P	
3	163.7550	5.53	13.01	18.54	43.50	-24.96	QP	P	
4	298.2681	5.75	13.47	19.22	46.00	-26.78	QP	P	
5	435.5898	4.89	16.93	21.82	46.00	-24.18	QP	P	
6 *	586.8437	6.92	20.51	27.43	46.00	-18.57	QP	P	

Vertical:



Site: #1 3m Anechoic Chamber

Polarization: **Vertical**

Temperature: 25.5(C)

Humidity: 53 %

Limit: FCC Part 15C RE_3m

Power: DC 3.8 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	43.6584	6.94	13.63	20.57	40.00	-19.43	QP	P	
2	59.6493	5.19	12.23	17.42	40.00	-22.58	QP	P	
3	143.8295	6.46	12.78	19.24	43.50	-24.26	QP	P	
4	252.0627	5.57	12.30	17.87	46.00	-28.13	QP	P	
5	393.4723	5.67	15.88	21.55	46.00	-24.45	QP	P	
6 *	603.5392	6.12	20.84	26.96	46.00	-19.04	QP	P	

Note : 1) Emission Level=Peak Reading + Correction Factor;

Correction Factor= Antenna Factor + Cable loss – Pre-amplifier

5.4. Occupied Bandwidth

5.4.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.215(c)
Test Method:	ANSI C63.10: 2013
Limit:	N/A
Test Procedure:	1. According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT. 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Use the following spectrum analyzer settings for 20dB Bandwidth measurement. Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel; $RBW \geq 1\%$ of the 20 dB bandwidth; $VBW \geq RBW$; Sweep = auto; Detector function = peak; Trace = max hold. 4. Measure and record the results in the test report.
Test setup:	 Spectrum Analyzer EUT
Test Mode:	Refer to section 3.1 for details
Test results:	PASS

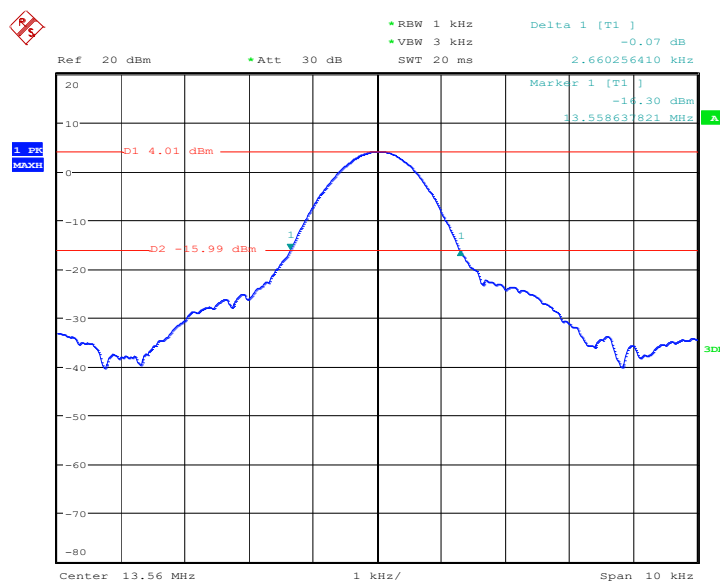
5.4.2. Test Instruments

RF Test Room				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	R&S	FSU	200054	Jul. 04, 2023

5.4.3. Test data

Frequency(MHz)	20dB Occupy Bandwidth (kHz)	Limit (kHz)	Conclusion
13.56	2.66	---	PASS

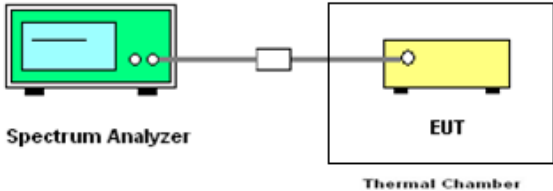
Test plots as follows:



Date: 16.DEC.2022 09:40:35

5.5. Frequency stability

5.5.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.225
Test Method:	ANSI C63.10 : 2013
Operation mode:	Refer to item 3.1
Limit:	+/-0.01%
Test Setup:	 Spectrum Analyzer EUT Thermal Chamber
Test Procedure:	1. The equipment under test was connected to an external DC power supply and input rated voltage. 2. RF output was connected to a spectrum analyzer. 3. The EUT was placed inside the temperature chamber. 4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. 5. Turn EUT off and set the chamber temperature to -20°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. 6. Repeat step measure with 10°C increased per stage until the highest temperature of +55°C reached. 7. Repeat step measure with a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C
Test Result:	PASS

5.5.2. Test Instruments

RF Test Room				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	R&S	FSU	200054	Jul. 04, 2023
DC power supply	Kingrang	KR3005K	/	Jul. 04, 2023

5.5.3. Test Data

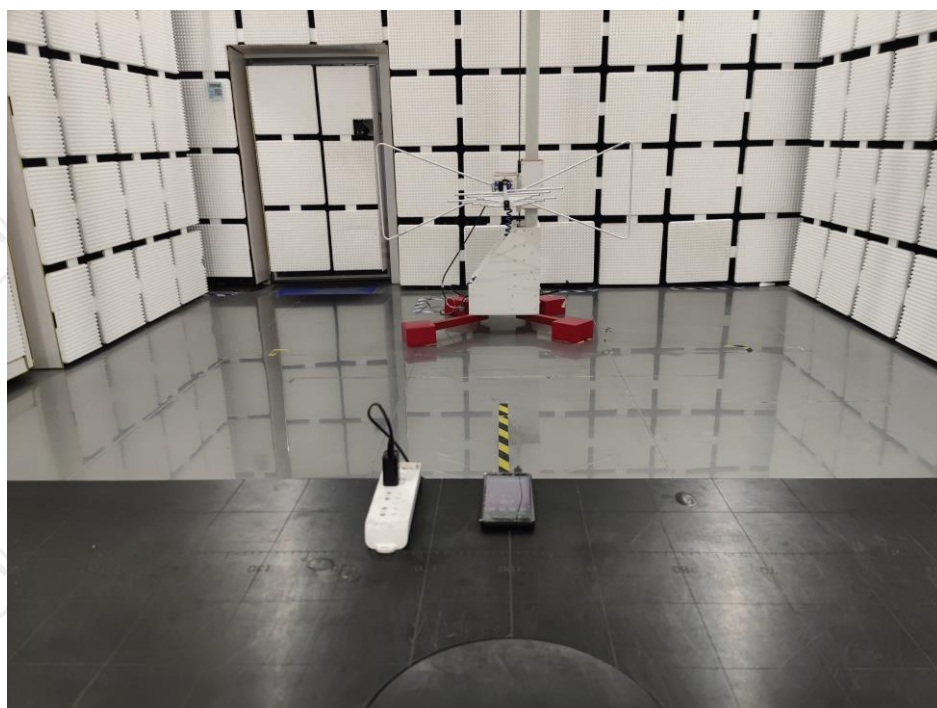
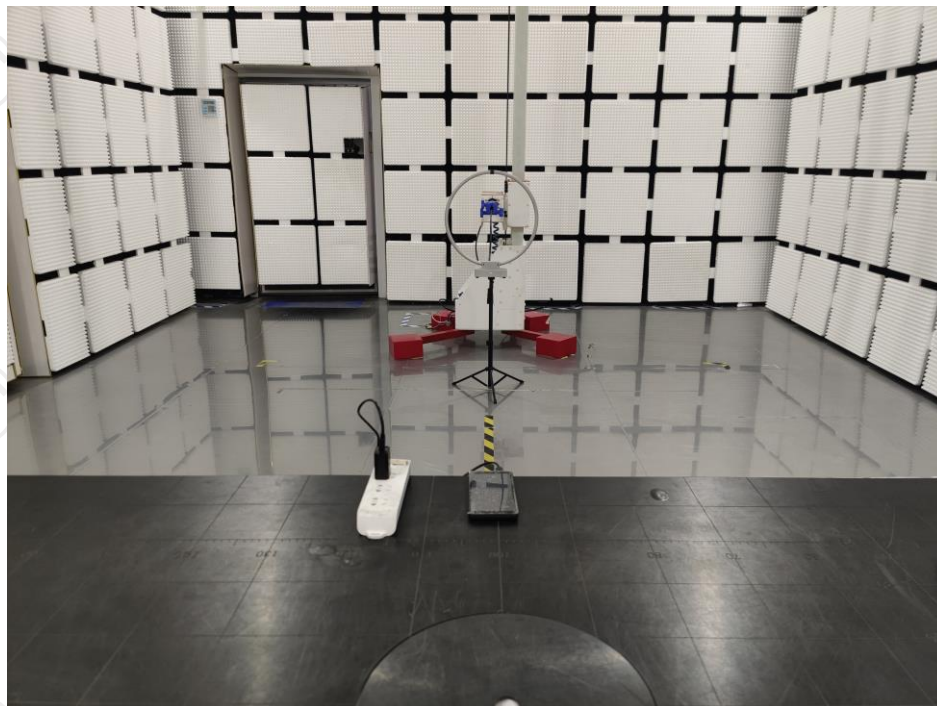
Voltage (Vdc)	Temperature (°C)	Frequency (MHz)	Deviation (%)	Limit (%)
3.8	-20	13.558638	-0.01004	+/-0.01%
3.8	-10	13.560000	0.00000	
3.8	0	13.560935	0.00690	
3.8	10	13.560962	0.00709	
3.8	20	13.561003	0.00740	
3.8	30	13.560982	0.00724	
3.8	40	13.560906	0.00668	
3.8	50	13.560901	0.00664	
3.8	55	13.560907	0.00669	
4.35	20	13.560964	0.00711	
2.75	20	13.560955	0.00704	

Appendix A: Photographs of Test Setup

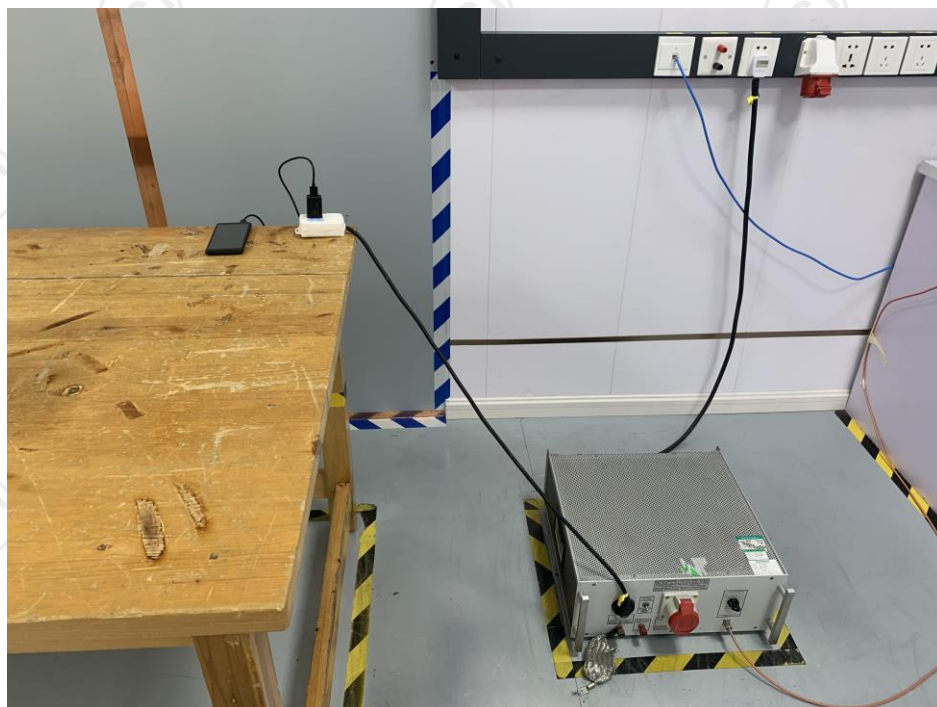
Product: Smart Phone

Model: N5

Radiated Emission



Conducted Emission



Appendix B: Photographs of EUT

Refer to the test report No. TCT221207E047

*******END OF REPORT*******