



EMC Test Report

Report No.: STS2508160E04

Issued for

Shenzhen Gotron Electronic CO.,LTD

7B01, Building A, Block 1, Anhongji Tianyao Plaza, Longhua
District, Shenzhen City, Guangdong Province, China

Product Name: Smart Phone

Brand Name: ulefone

Model Name: RugKing 4 Pro

Series Model(s): GQ3129, RugKing 4, RugKing 4 Ultra,
RugKing 4E, RugKing 4S, RugKing 4
Lite, RugKing 4 Pro+, RugKing 4s,
RugKing 4s Pro

FCC ID: 2AOWK-3129

Test Standards: FCC 47 CFR Part 15: Subpart B

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

**TEST REPORT****Applicant's Name**: Shenzhen Gotron Electronic CO.,LTDAddress: 7B01, Building A, Block 1, Anhongji Tianyao Plaza, Longhua District,
Shenzhen City, Guangdong Province, China**Manufacturer's Name**: Shenzhen Gotron Electronic CO.,LTDAddress: 7B01, Building A, Block 1, Anhongji Tianyao Plaza, Longhua
District, Shenzhen City, Guangdong Province, China**Product description**

Product Name: Smart Phone

Brand Name: ulefone

Model Name: RugKing 4 Pro

Series Model(s): GQ3129, RugKing 4, RugKing 4 Ultra, RugKing 4E, RugKing 4S,
RugKing 4 Lite, RugKing 4 Pro+, RugKing 4s, RugKing 4s Pro**Test Standards**: FCC 47 CFR Part 15: Subpart B

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

Date of Test

Date of Receipt of Test Item: 26 Aug. 2025

Date (s) of performance of Tests: 26 Aug. 2025 ~ 17 Sept. 2025

Date of Issue: 17 Sept. 2025

Test Result: **Pass**

Testing Engineer :

Star Deng

(Star Deng)

Technical Manager :

Brave Wu

(Brave Wu)

Authorized Signatory :

Bovey Yang

(Bovey Yang)





TABLE OF CONTENTS

1. TEST SUMMARY	5
1.1 TEST FACTORY	5
1.2 MEASUREMENT UNCERTAINTY	5
2. GENERAL INFORMATION	6
2.1 GENERAL DESCRIPTION OF EUT	6
2.2 DESCRIPTION OF TEST MODES	8
2.3 DESCRIPTION OF TEST SETUP	9
2.4 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL	10
2.5 MEASUREMENT INSTRUMENTS LIST	11
3. EMC EMISSION TEST	12
3.1 CONDUCTED EMISSION MEASUREMENT	12
3.2 RADIATED EMISSION MEASUREMENT	16
APPENDIX 1-PHOTO TEST OF EUT	23



Revision History

Rev.	Issue Date	Report No.	Effect Page	Contents
00	17 Sept. 2025	STS2508160E04	ALL	Initial Issue



1. TEST SUMMARY

Test procedures according to the technical standards:

EMC Emission			
Standard	Test Item	Result	Remark
FCC 47 CFR Part 15: Subpart B	Conducted Emission	PASS	Meet Class B limit
	Radiated Emissions	PASS	Meet Class B limit

Note:

(1) "N/A" denotes test is not applicable in this Test Report

1.1 TEST FACTORY

Company Name:	Shenzhen STS Test Services Co. Ltd.
Address:	101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China
Telephone:	+86-755 3688 6288
Fax:	+86-755 3688 6277
Registration No.:	FCC test Firm Registration Number: 625569
	IC test Firm Registration Number: 12108A
	A2LA Certificate No.: 4338.01

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded 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	Uncertainty
1	Conducted Emission (9KHz-150KHz)	$\pm 2.32\text{dB}$
2	Conducted Emission (150KHz-30MHz)	$\pm 3.06\text{dB}$
3	All emissions, radiated(<1G) 30MHz-1000MHz	$\pm 4.23\text{dB}$
4	All emissions, radiated(>1G) 1GHz-6GHz	$\pm 5.13\text{dB}$
5	All emissions, radiated(>1G) 6GHz-18GHz	$\pm 5.37\text{dB}$



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Product Name	Smart Phone	
Brand Name	ulefone	
Model Name	RugKing 4 Pro	
Series Model(s)	GQ3129, RugKing 4, RugKing 4 Ultra, RugKing 4E, RugKing 4S, RugKing 4 Lite, RugKing 4 Pro+, RugKing 4s, RugKing 4s Pro	
Model Difference	All models are the same circuit and RF module, except for model names.	
Product Description	The EUT is a Smart Phone ITE equipment having a primary function of either (or a combination of) entry, storage, display, retrieval, transmission, processing, switching, or control of data and/or telecommunication messages and which may be equipped with one or more ports typically for information transfer.	
Frequency Bands	Bluetooth	2402~2480 MHz
	2.4G WLAN	802.11b/g/n(20MHz): 2412~2462MHz
	5.2G WLAN	802.11a/n/ac (20MHz): 5180~5240MHz
	5.3G WLAN	802.11a/n/ac (20MHz): 5260~5320MHz
	5.8G WLAN	802.11a/n/ac (20MHz): 5745~5825MHz
	GPS	1575.42MHz
	FM	87.5-108MHZ
	GSM	GSM850: 824-849 MHz GSM1900: 1850-1910 MHz
	WCDMA	WCDMA B2: 1850-1910 MHz WCDMA B5: 824-849 MHz WCDMA B4: 1710-1755 MHz
	LTE	LTE Band 2:1850~1910MHz LTE Band 4:1710~1755MHz LTE Band 5:824~849MHz LTE Band 7:2500~2570MHz LTE Band 12:699~716MHz LTE Band 17: 704-716 MHz LTE Band 41: 2496-2690MHz LTE Band 66:1710~1780MHz
Modulation Mode	BT	BT(1Mbps): GFSK BT EDR(2Mbps): $\pi/4$ -DQPSK BT EDR(3Mbps): 8DPSK
	BLE	GFSK
	2.4G WLAN	802.11b(DSSS):CCK,DQPSK,DBPSK 802.11g(OFDM):BPSK,QPSK,16-QAM,64-QAM



		802.11n(OFDM):BPSK,QPSK,16-QAM,64-QAM
	5G WLAN	802.11a(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11ac(OFDM): BPSK,QPSK,16-QAM,64-QAM,256-QAM
	GPS	BPSK
	FM	FM
	GSM	GMSK for GSM/GPRS; GMSK and 8PSK for EDGE
	WCDMA	QPSK; HSDPA:QPSK/16QAM; HSUPA:BPSK
	LTE	QPSK/16QAM
Rating	5.0V===3.0A 15.0W	
Battery	Model: 3129 Rated Voltage: 3.87 V Charge Limit Voltage: 4.45V Capacity: 10000mAh	
Adapter	Model: HJ-PD18W-US Input: 100-240V~50/60Hz 0.8A Output: 5.0V===3.0A 15.0W OR 9.0V===2.0A 18.0W OR 12.0V===1.5A 18.0W	
Hardware version number	N/A	
Software version number	N/A	



2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	PC+ USB Transmitting+ SD Card
Mode 2	Charging + Rear camera on
Mode 3	Charging + Front camera on
Mode 4	Charging + Audio + Video
Mode 5	Adapter+USB cable +GSM850 Link+BT Link+WLAN Link+GPS RX
Mode 6	Adapter+USB cable +DCS1900 Idle+BT Link+WLAN Link+GPS RX
Mode 7	Adapter+USB cable+WCDMA B2 Link+BT Link+WLAN Link+GPS RX
Mode 8	Adapter+USB cable +WCDMA B4 Link+BT Link+WLAN Link+GPS RX
Mode 9	Adapter+USB cable +WCDMA B5 Link+BT Link+WLAN Link+GPS RX
Mode 10	Adapter+USB cable +LTE B2 Link +BT Link+WLAN Link+GPS RX
Mode 11	Adapter+USB cable +LTE B4 Link +BT Link+WLAN Link+GPS RX
Mode 12	Adapter+USB cable +LTE B5 Link+BT Link+WLAN Link+GPS RX
Mode 13	Adapter+USB cable +LTE B7 Link+BT Link+WLAN Link+GPS RX
Mode 14	Adapter+USB cable +LTE B12 Link +BT Link+WLAN Link+GPS RX
Mode 15	Adapter+USB cable +LTE B17 Link +BT Link+WLAN Link+GPS RX
Mode 16	Adapter+USB cable +LTE B41 Link +BT Link+WLAN Link+GPS RX
Mode 17	Adapter+USB cable +LTE B66 Link+BT Link+WLAN Link+GPS RX
Mode 18	Charging +FM

For Conducted Test	
Final Test Mode	Description
Mode 3	Charging + Front camera on



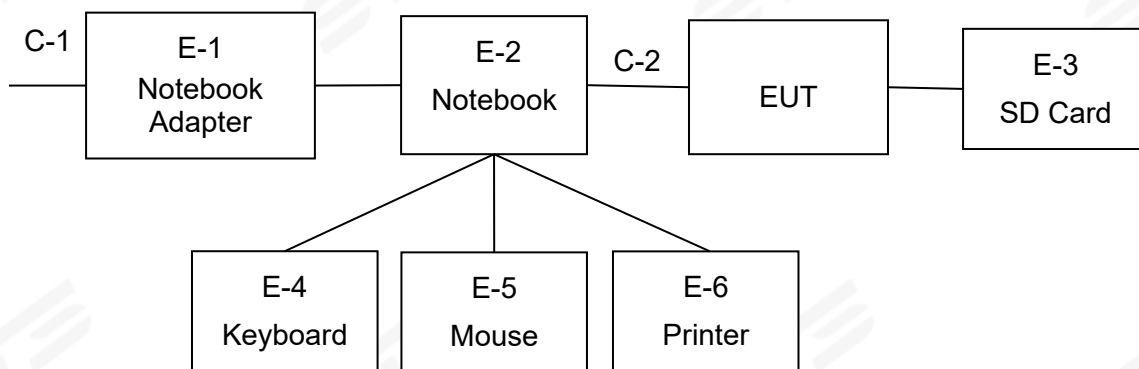
For Radiated Test	
Final Test Mode	Description
Mode 1	PC+ USB Transmitting+ SD Card

Note:

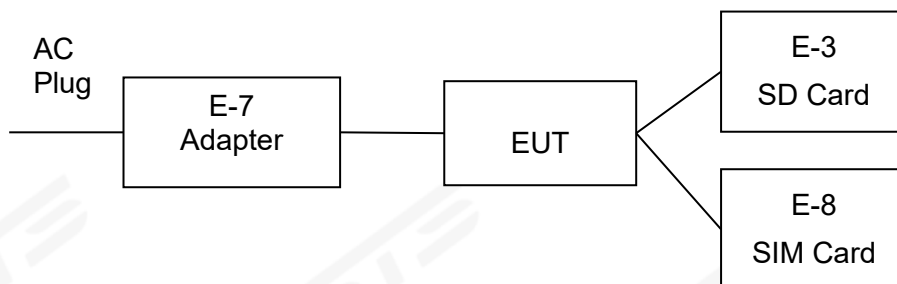
1. In the conducted disturbance test, Mode 3 is the minimum margin mode, and this report only shows the minimum margin mode test data.
2. In the radiation disturbance test, Mode 1 is the minimum margin mode, and this report only shows the minimum margin mode test data.

2.3 DESCRIPTION OF TEST SETUP

Mode1



Mode2-18





2.4 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

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.

Item	Equipment	Mfr/Brand	Model/Type No.	Note
E-1	Notebook Adapter	DELL	HSTNN-CA15	N/A
E-2	Notebook	DELL	Inspiron 3501	N/A
E-3	SD Card	Sandisk	840XKT-FB	N/A
E-4	Keyboard	HP	PR1101U	N/A
E-5	Mouse	MOTOSPEED	F66	N/A
E-6	Printer	LENOVO	LJ2400L	N/A
E-7	Adapter	uleFone	HJ-PD18W-US	N/A
E-8	SIM Card	Verizon	QPE	N/A

Item	Equipment	Ferrite Core	Length	Note
C-1	AC Cable	NO	150cm	N/A
C-2	USB Cable	NO	110cm	N/A

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』column.



2.5 MEASUREMENT INSTRUMENTS LIST

2.5.1 CONDUCTED TEST SITE

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
EMI Test Receiver	R&S	ESCI	101427	2024.9.23	2025.9.22
LISN	R&S	AIT-F01220	8130179	2024.9.23	2025.9.22
Absorbing Clamp	R&S	MDS-21	100668	2025.2.24	2026.2.23
CE Cable	N/A	C01	N/A	2024.9.23	2025.9.22
Temperature & Humidity	Anymetre	JR900	240686	2024.10.15	2025.10.14
Testing Software	EZ-EMC(Ver.STSLAB-03A1 CE)				

2.5.2 RADIATED TEST SITE

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
EMI Test Receiver	R&S	ESCI	101427	2024.9.23	2025.9.22
Bi-log Antenna	TESEQ	CBL6111D	45873	2024.9.28	2025.9.27
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1343	2024.9.28	2025.9.27
Pre-amplifier(1G-26.5G)	Agilent	HP8449B	3008A02383	2025.2.22	2026.2.21
Pre-amplifier(0.1M-3GHz)	EM	EM330	060665	2025.2.22	2026.2.21
Spectrum Analyzer	Agilent	N9020A	MY49100060	2024.9.23	2025.9.22
RE Cable (9K-1G)	N/A	R01	N/A	2024.9.23	2025.9.22
RE Cable (1G-26G)	N/A	R02	N/A	2024.9.23	2025.9.22
Temperature & Humidity	Mieo	HH660	N/A	2024.9.26	2025.9.25
SAC	ChengYu	9*6*6	N/A	2025.8.13	2028.8.12
Testing Software	EZ-EMC(Ver.STSLAB-03A1 RE)				



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION LIMITS

FREQUENCY (MHz)	☐ Class A (dB μ V)		☒ Class B (dB μ V)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 ~ 0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.5 ~ 5	73.00	60.00	56.00	46.00
5 ~ 30	73.00	60.00	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

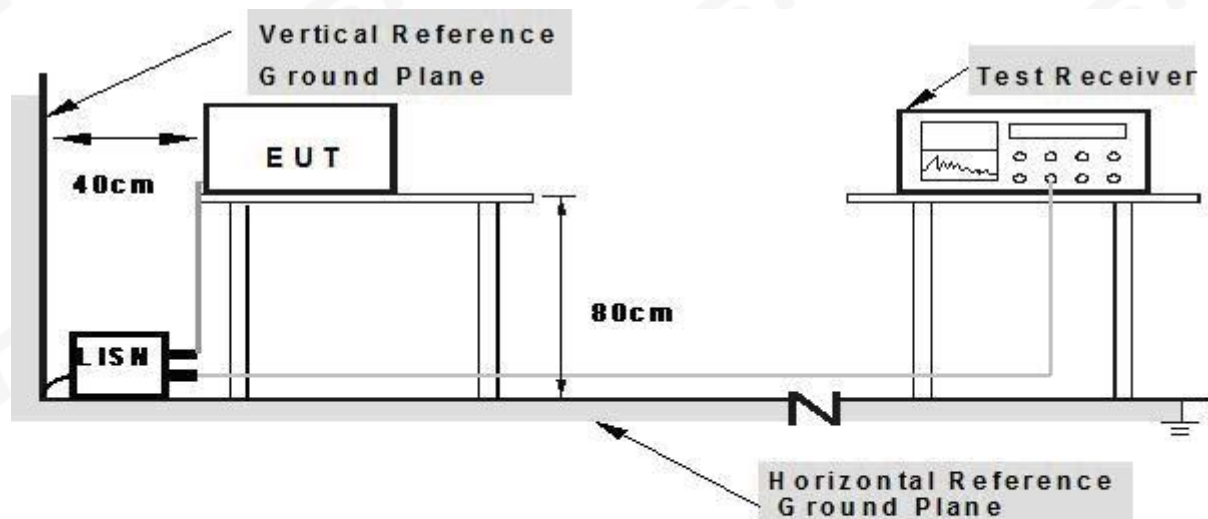
3.1.2 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 TEST SETUP



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.5 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.



3.1.6 TEST RESULTS

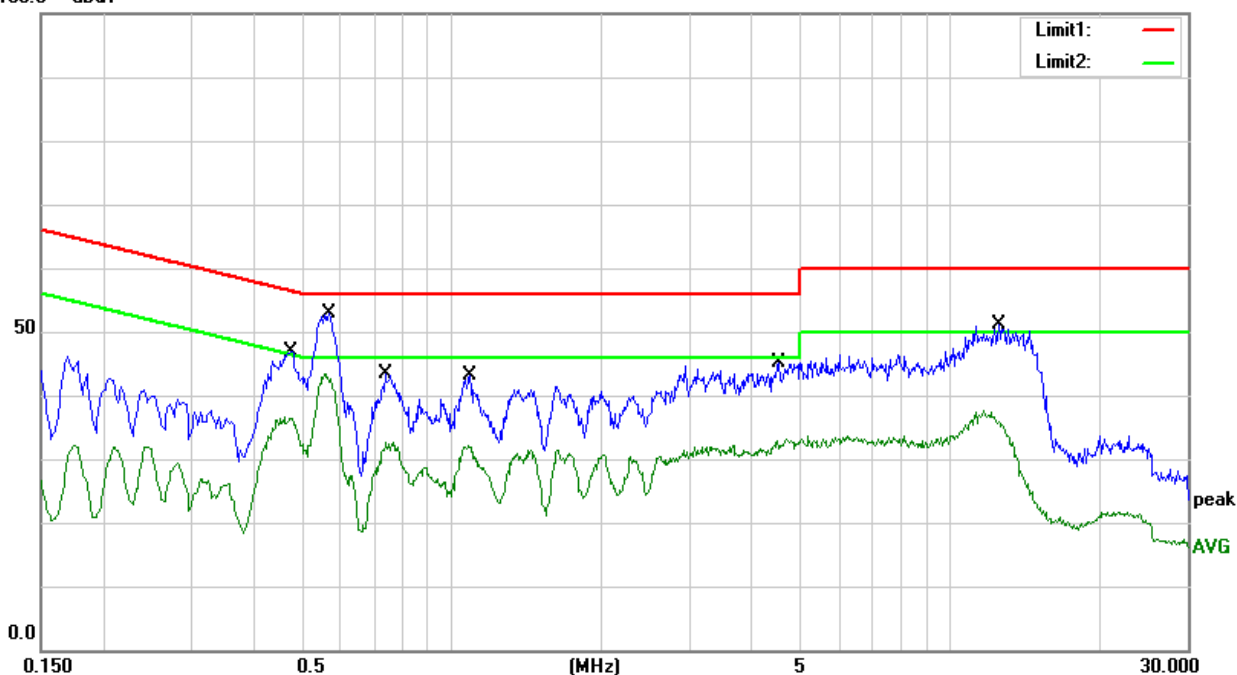
Temperature:	25.1℃	Relative Humidity:	59%
Phase:	L	Test Mode:	Mode 3
Test Voltage:	DC 12V from Adapter	Test Date:	2025.08.27

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.4780	27.06	19.81	46.87	56.37	-9.50	QP
2	0.4780	16.72	19.81	36.53	46.37	-9.84	AVG
3	0.5700	32.95	19.81	52.76	56.00	-3.24	QP
4	0.5700	23.01	19.81	42.82	46.00	-3.18	AVG
5	0.7380	23.66	19.80	43.46	56.00	-12.54	QP
6	0.7380	12.88	19.80	32.68	46.00	-13.32	AVG
7	1.0900	23.26	19.81	43.07	56.00	-12.93	QP
8	1.0900	12.29	19.81	32.10	46.00	-13.90	AVG
9	4.5340	25.22	19.81	45.03	56.00	-10.97	QP
10	4.5340	13.24	19.81	33.05	46.00	-12.95	AVG
11	12.5500	30.97	20.11	51.08	60.00	-8.92	QP
12	12.5500	17.41	20.11	37.52	50.00	-12.48	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result = Reading + Factor) - Limit.
3. Factor = Insertion loss + Cable loss.

100.0 dBuV





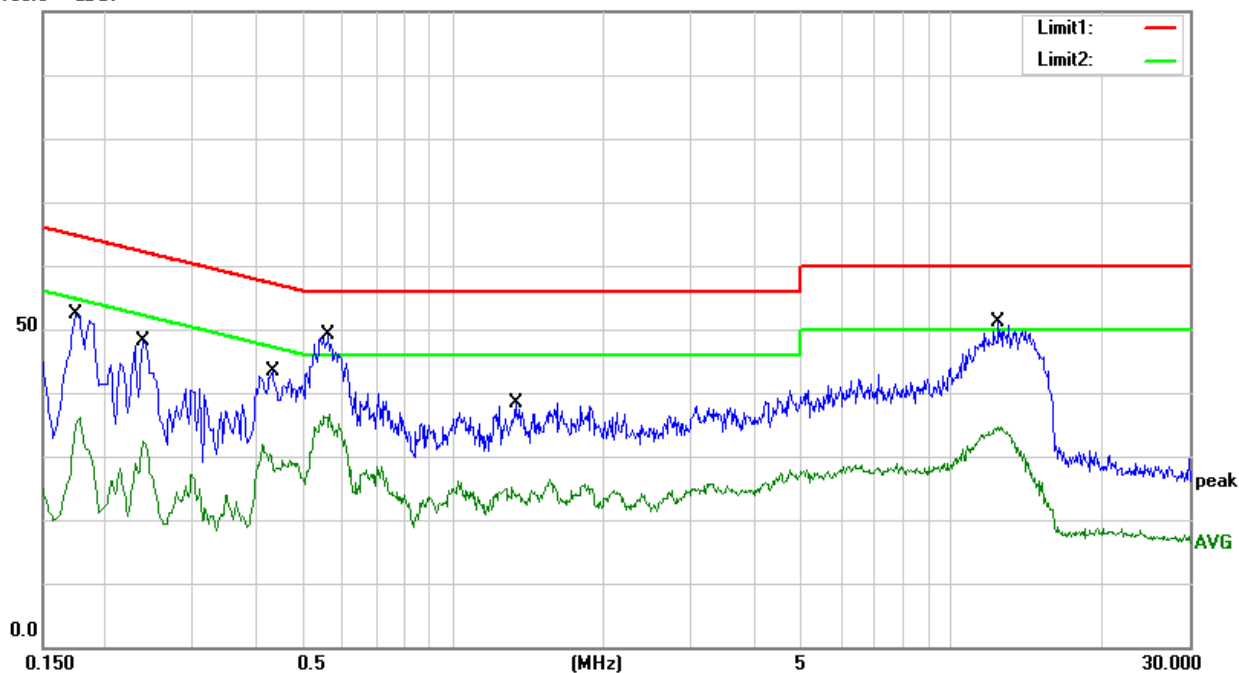
Temperature:	25.1℃	Relative Humidity:	59%
Phase:	N	Test Mode:	Mode 3
Test Voltage:	DC 12V from Adapter	Test Date:	2025.08.27

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1740	32.44	19.83	52.27	64.77	-12.50	QP
2	0.1740	16.33	19.83	36.16	54.77	-18.61	AVG
3	0.2380	28.30	19.80	48.10	62.17	-14.07	QP
4	0.2380	12.62	19.80	32.42	52.17	-19.75	AVG
5	0.4340	23.50	19.75	43.25	57.18	-13.93	QP
6	0.4340	12.15	19.75	31.90	47.18	-15.28	AVG
7	0.5620	29.31	19.80	49.11	56.00	-6.89	QP
8	0.5620	16.82	19.80	36.62	46.00	-9.38	AVG
9	1.3340	18.52	19.80	38.32	56.00	-17.68	QP
10	1.3340	6.63	19.80	26.43	46.00	-19.57	AVG
11	12.4460	30.91	20.11	51.02	60.00	-8.98	QP
12	12.4460	14.59	20.11	34.70	50.00	-15.30	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result = Reading + Factor) - Limit.
3. Factor = Insertion loss + Cable loss.

100.0 dBuV





3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Below 1 GHz

Measurement Method and Applied Limits:

ANSI C63.4:

Frequency (MHz)	☐ Class A	☒ Class B	
	Field strength (dBuV/m) (at 3m)	Field strength (dBuV/m) (at 10m)	Field strength (dBuV/m) (at 3m)
30 ~ 88	49.5	30	40
88 ~ 216	54	33.5	43.5
216 ~ 960	56.9	36	46
Above 960	60	44	54

Above 1 GHz

Measurement Method and Applied Limits:

ANSI C63.4:

Frequency (MHz)	☐ Class A		☒ Class B			
	(dBuV/m) (at 3m)		(dBuV/m) (at 10m)		(dBuV/m) (at 3m)	
	Peak	Average	Peak	Average	Peak	Average
Above 1000	80	60	64	44	74	54

Frequency Range of Radiated Disturbance Measurement

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 ~ 108	1000
108 ~ 500	2000
500 ~ 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

Note:

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



3.2.2 TEST PROCEDURE

- a. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. EUT as the center to the edge of the auxiliary device, the distance from the maximum edge to the center of the antenna is 3 meter.
- c. The height of antenna is varied from 1 meter to 4 meter 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 meter and the rotatable table was turned from 0 degrees to 360 degree to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1GHz.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

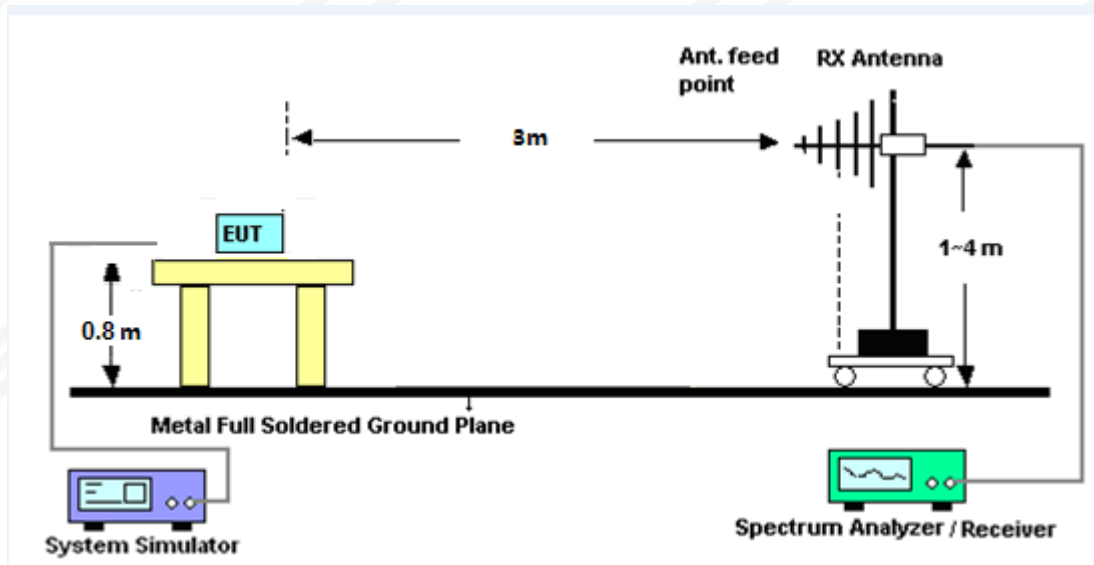
Note: Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

3.2.3 DEVIATION FROM TEST STANDARD

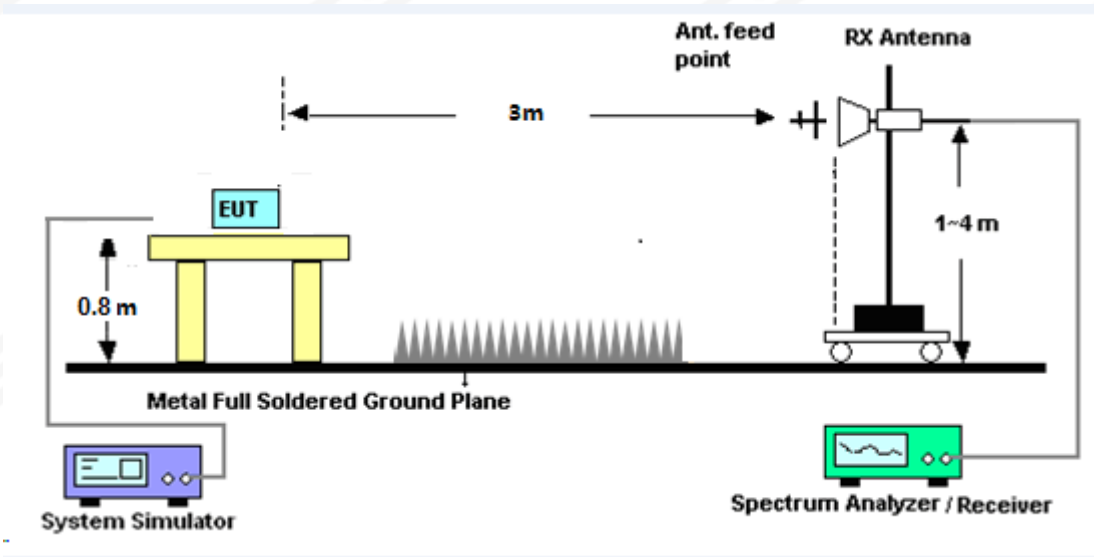
No deviation

3.2.4 TEST SETUP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(B) Radiated Emission Test Set-Up Frequency Above 1GHz



3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.3 described unless otherwise a special operating condition is specified in the following during the testing.

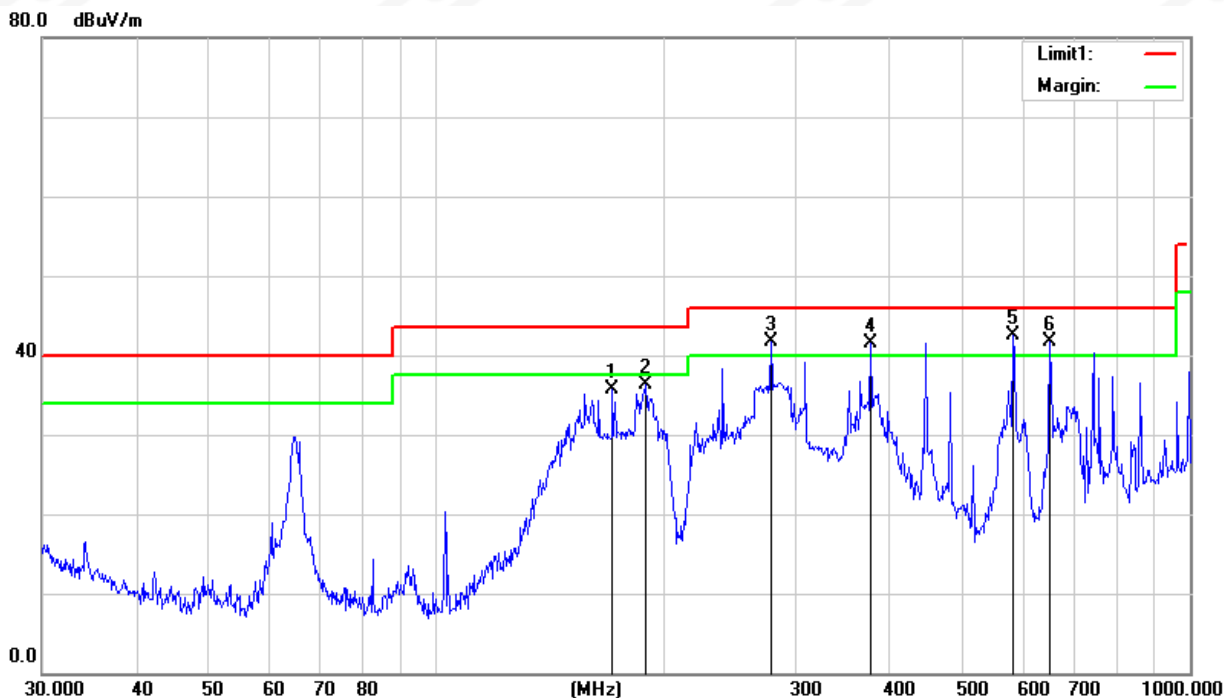
**3.2.6 TEST RESULTS (30MHz-1000MHz)**

Temperature:	25.3℃	Relative Humidity:	43%
Phase:	Horizontal	Test Mode:	Mode 1
Test Voltage:	DC 5V from PC	Test Date:	2025.08.27

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	171.3925	55.71	-20.01	35.70	43.50	-7.80	QP
2	189.7384	57.91	-21.52	36.39	43.50	-7.11	QP
3	278.0668	57.51	-15.84	41.67	46.00	-4.33	QP
4	377.2590	56.07	-14.57	41.50	46.00	-4.50	QP
5	582.7423	51.42	-8.90	42.52	46.00	-3.48	QP
6	651.9415	49.90	-8.21	41.69	46.00	-4.31	QP

Remark:

1. All readings are Quasi-Peak.
2. Margin = Result (Result = Reading + Factor) – Limit.
3. Factor = Cable Loss + Antenna Factor – Amplifier Gain.



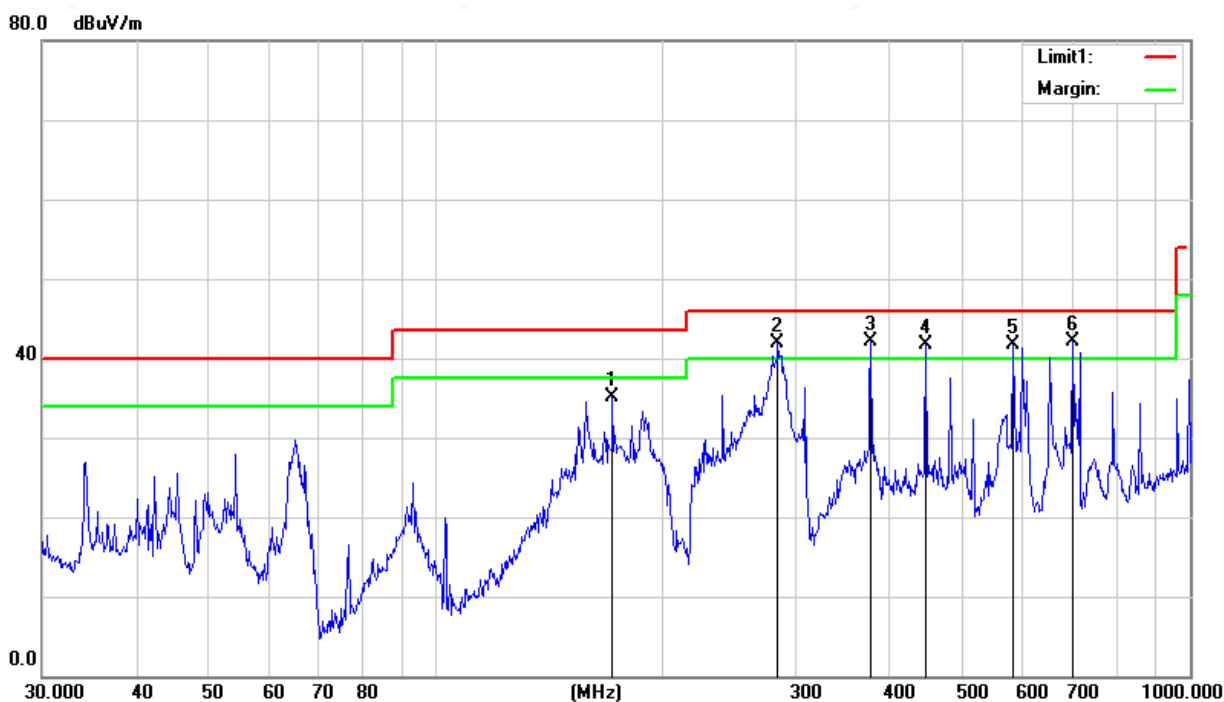


Temperature:	25.3°C	Relative Humidity:	43%
Phase:	Vertical	Test Mode:	Mode 1
Test Voltage:	DC 5V from PC	Test Date:	2025.08.27

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	171.3925	55.11	-20.01	35.10	43.50	-8.40	QP
2	283.9791	58.10	-16.15	41.95	46.00	-4.05	QP
3	377.2590	56.63	-14.57	42.06	46.00	-3.94	QP
4	446.4141	54.18	-12.56	41.62	46.00	-4.38	QP
5	582.7423	50.60	-8.90	41.70	46.00	-4.30	QP
6	699.3046	49.13	-7.06	42.07	46.00	-3.93	QP

Remark:

1. All readings are Quasi-Peak.
2. Margin = Result (Result = Reading + Factor) - Limit.
3. Factor = Cable Loss + Antenna Factor - Amplifier Gain.





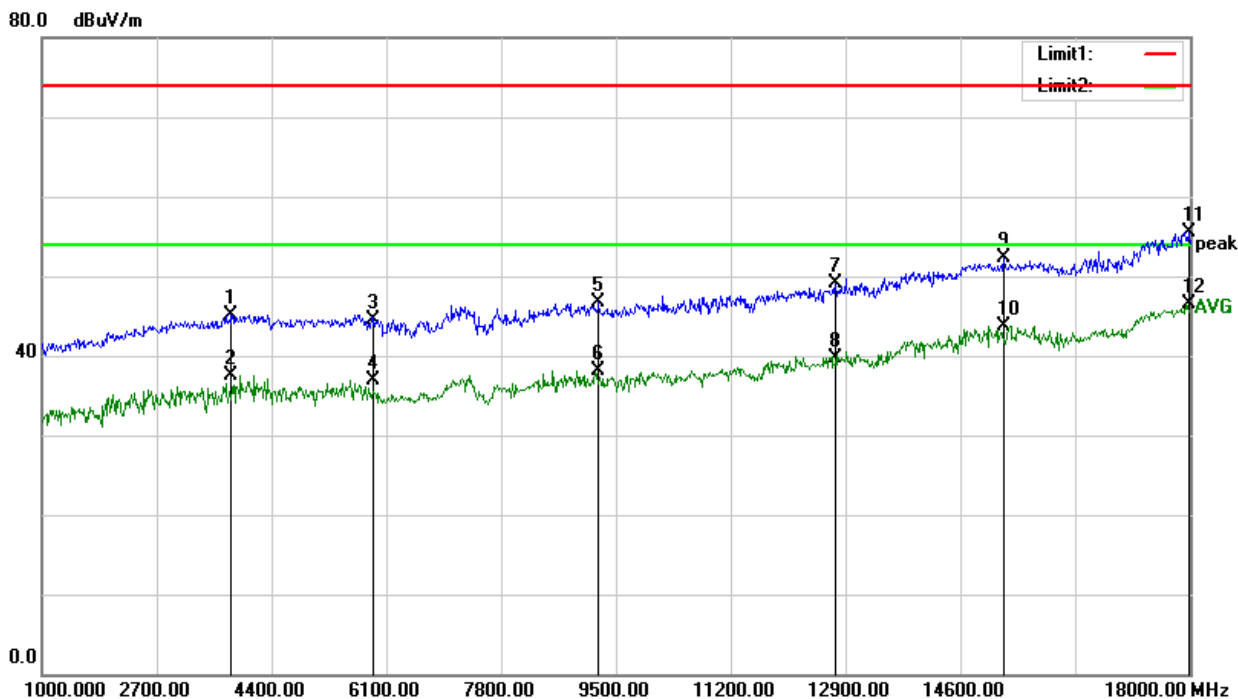
3.2.7 TEST RESULT(1000-18000 MHz)

Temperature:	25.3℃	Relative Humidity:	43%
Phase:	Horizontal	Test Mode:	Mode 1
Test Voltage:	DC 5V from PC	Test Date:	2025.08.27

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	3813.500	41.19	3.88	45.07	74.00	-28.93	peak
2	3813.500	33.64	3.88	37.52	54.00	-16.48	AVG
3	5913.000	37.06	7.54	44.60	74.00	-29.40	peak
4	5913.000	29.36	7.54	36.90	54.00	-17.10	AVG
5	9245.000	32.74	13.97	46.71	74.00	-27.29	peak
6	9245.000	24.18	13.97	38.15	54.00	-15.85	AVG
7	12747.000	33.66	15.44	49.10	74.00	-24.90	peak
8	12747.000	24.36	15.44	39.80	54.00	-14.20	AVG
9	15254.500	34.65	17.62	52.27	74.00	-21.73	peak
10	15254.500	26.16	17.62	43.78	54.00	-10.22	AVG
11	17983.000	31.05	24.47	55.52	74.00	-18.48	peak
12	17983.000	21.95	24.47	46.42	54.00	-7.58	AVG

Remark:

1. All readings are Quasi-Peak.
2. Margin = Result (Result = Reading + Factor)-Limit.
3. Factor= Cable Loss +Antenna Factor-Amplifier Gain.





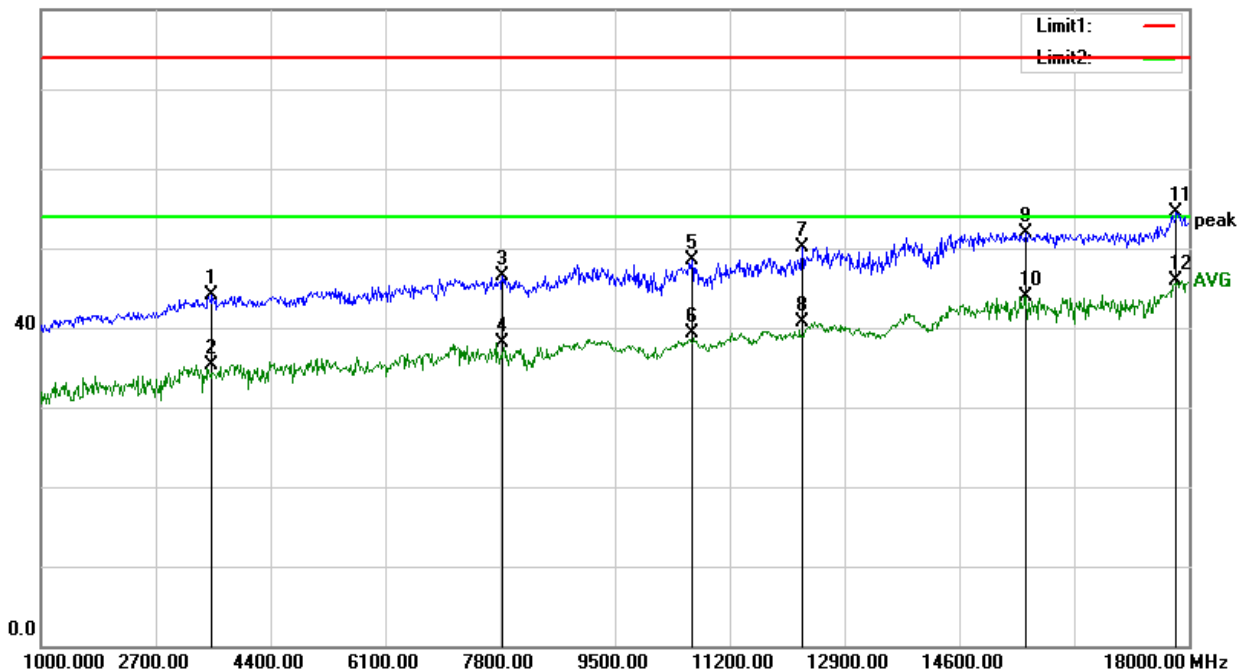
Temperature:	25.3℃	Relative Humidity:	43%
Phase:	Vertical	Test Mode:	Mode 1
Test Voltage:	DC 5V from PC	Test Date:	2025.08.27

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	3541.500	41.37	2.65	44.02	74.00	-29.98	peak
2	3541.500	32.74	2.65	35.39	54.00	-18.61	AVG
3	7834.000	35.41	11.12	46.53	74.00	-27.47	peak
4	7834.000	26.99	11.12	38.11	54.00	-15.89	AVG
5	10639.000	34.63	13.90	48.53	74.00	-25.47	peak
6	10639.000	25.46	13.90	39.36	54.00	-14.64	AVG
7	12279.500	34.94	15.20	50.14	74.00	-23.86	peak
8	12279.500	25.49	15.20	40.69	54.00	-13.31	AVG
9	15594.500	34.83	17.07	51.90	74.00	-22.10	peak
10	15594.500	26.91	17.07	43.98	54.00	-10.02	AVG
11	17813.000	30.08	24.39	54.47	74.00	-19.53	peak
12	17813.000	21.50	24.39	45.89	54.00	-8.11	AVG

Remark:

1. All readings are Quasi-Peak.
2. Margin = Result (Result = Reading + Factor) - Limit.
3. Factor = Cable Loss + Antenna Factor - Amplifier Gain.

80.0 dBuV/m

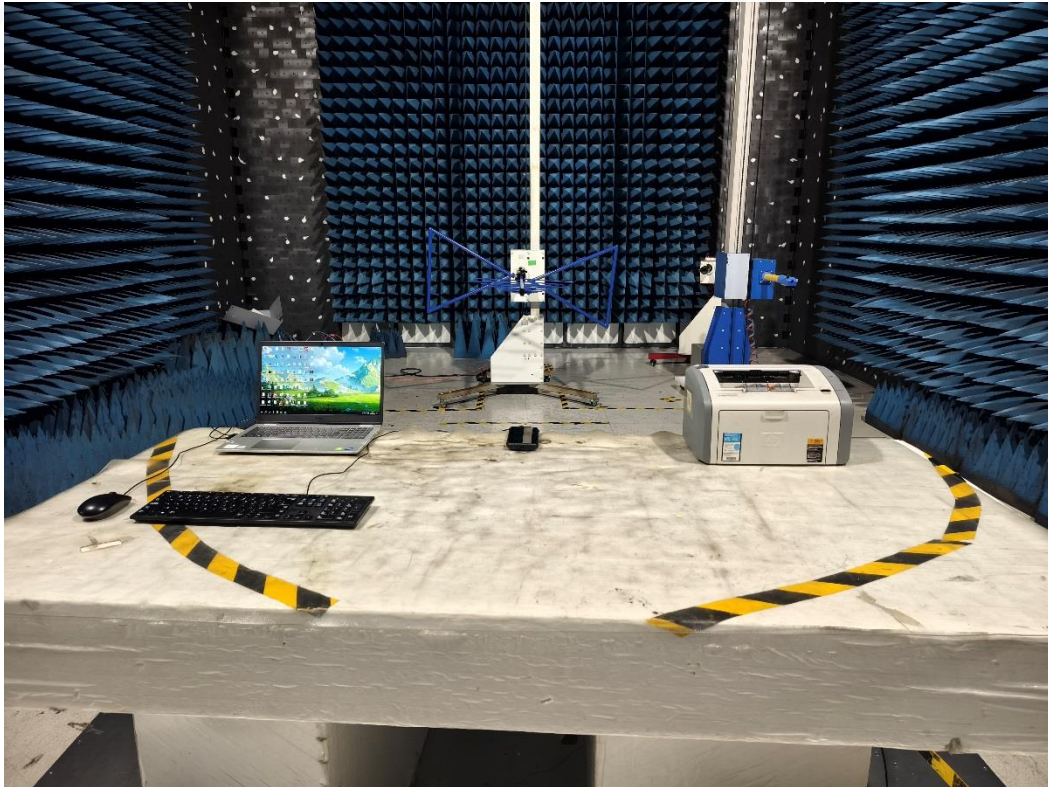


Notes:

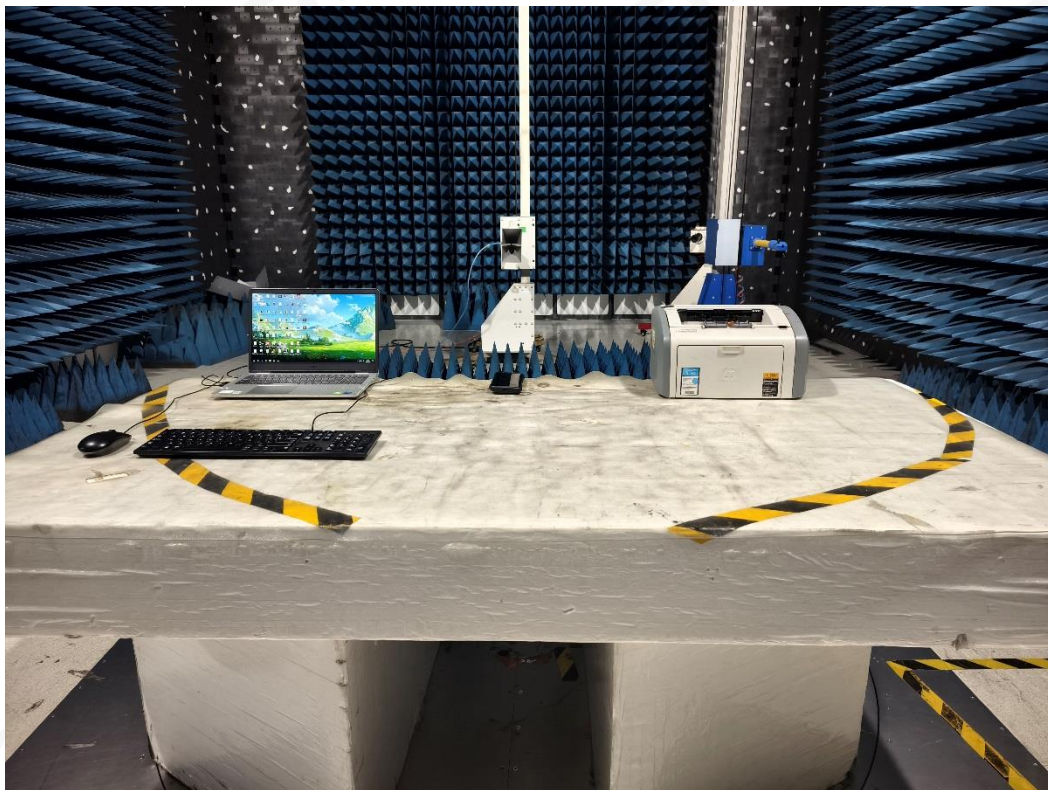
1. Measuring frequencies from 1 GHz to 18GHz
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak and average detector mode of the emission shown in Actual FS column.
3. The frequency emission of 18-25GHz is at least 20dB lower than the limit, and the frequency emission mainly comes from environmental noise.

APPENDIX 1-PHOTO TEST OF EUT

RE (Below 1GHz)



RE (Above 1GHz)





CE



※※※※※END OF THE REPORT※※※※※