



RF TEST REPORT

Report No.: 20240417G06830X-W4

Product Name: SOLIS GO Kiosk

Model No.: CYD-016S, CYD-012S, CYD-008S

FCC ID: 2A9UP-SOL24KIOSK

Applicant: SIMO Holdings Inc.

Address: PO.Box PO.Box 309, Ugland House, GrandCayman, KY1-1104,
Cayman Islands

Dates of Testing: 04/23/2024 - 05/22/2024

Issued by: CCIC Southern Testing Co., Ltd.

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

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Test Report

Product.....: SOLIS GO Kiosk

Brand Name.....: N/A

Trade Name 

Applicant.....: SIMO Holdings Inc.

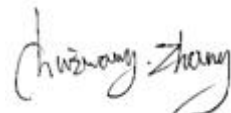
Applicant Address.....: PO.Box PO.Box 309, Ugland House, GrandCayman,
KY1-1104, Cayman Islands

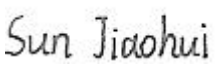
Manufacturer.....: SIMO Holdings Inc.

Manufacturer Address.....: PO.Box PO.Box 309, Ugland House, GrandCayman,
KY1-1104, Cayman Islands

Test Standards.....: 47 CFR Part 2/22/24/27

Test Result.....: Pass

Tested by  2024.05.22
Chuiwang Zhang, Test Engineer

Reviewed by.....  2024.05.22
Sun Jiaohui, Senior Engineer

Approved by.....:  2024.05.22
Chris You, Manager



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Change History		
Issue	Date	Reason for change
1.0	2024.05.22	First edition

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	SOLIS GO Kiosk	
EUT supports Radios application	LTE Band 2/4/5/7/12/25/26/41	
Frequency Range(Tx)	LTE Band 2: 1850MHz~1910MHz LTE Band 4: 1710MHz~1755MHz LTE Band 5: 824MHz~849MHz LTE Band 7: 2500MHz~2570MHz	LTE Band 12: 699MHz~716MHz LTE Band 25: 1850MHz~1915MHz LTE Band 26: 814MHz~849MHz LTE Band 41: 2496MHz~2690MHz
Channel Bandwidth	LTE Band 2/4/25: 1.4MHz/3MHz/5MHz/10MHz/15MHz/20MHz LTE Band 5/12/26(Part 90): 1.4MHz/3MHz/5MHz/10MHz LTE Band 26(Part 22): 1.4MHz/3MHz/5MHz/10MHz/15MHz LTE Band 7/41: 5MHz/10MHz/15MHz/20MHz	
Modulation Type	QPSK/16QAM/64QAM(downlink only)	
Maximum ERP/EIRP	LTE Band 2: 26.57dBm LTE Band 4: 25.43dBm LTE Band 5: 19.54dBm LTE Band 7: 27.74dBm LTE Band 12: 18.97dBm	LTE Band 25: 26.48dBm LTE Band 26(Part 22): 19.81dBm LTE Band 26(Part 90): 19.87dBm LTE Band 41: 27.78dBm
Antenna Type	Internal Antenna	
Antenna gain	LTE Band 2: 1.93dBi LTE Band 4: 0.52dBi LTE Band 5: -1.88dBi LTE Band 7: 3.87dBi	LTE Band 12: -3.18dBi LTE Band 25: 1.93dBi LTE Band 26: -1.88dBi LTE Band 41: 3.87dBi
Power supply	DC 12V from Adapter	

Note 1: The information of antenna gain and cable loss is provided by the manufacturer and our lab is not responsible for the accuracy of the antenna gain and cable loss information.

Note 2: TModel difference: All models covered in this report are identical except for the Number of charging ports and the model name.

Details see below table:

The model CYD-016S with 16 charging ports and powered with 120W power.

The model CYD-012S with 12 charging ports and powered with 120W power.

The model CYD-008S with 8 charging ports and powered with 60W power.

1.2. Test Standards and Results

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

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22	Public Mobile Services
3	47 CFR Part 24	Personal Communications Services
4	47 CFR Part 27	Miscellaneous Wireless Communications Services
5	47 CFR Part 90	Private Land Mobile Radio Services
6	KDB 971168 D01 Power Meas License Digital Systems v03r01	Measurement Guidance For Certification of Licensed Digital Transmitters
7	KDB 412172 D01 Determining ERP and EIRP v01r01	Guidelines for Determining the Effective Radiated Power (ERP) and Equivalent Isotropic Radiated Power (EIRP) of an RF Transmitting Systems
8	ANSI/TIA-603-E-2016	Land Mobile FM or PM Communications Equipment Measurement and Performance Standards
9	ANSI C63.26-2015	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

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

No.	FCC Rule	Description	Result
1	2.1046	Conducted Output Power	PASS ^{Note 3}
2	22.913(d) 24.232 (d) 27.50 (d)(5)	Peak to Average Radio	PASS ^{Note 3}
3	24.232 (c) 22.913 (a)(5) 27.50 (c)(10) 27.50 (d)(4) 27.50 (h)(2) 90.635 (b)	Equivalent Isotropic Radiated Power and Effective Radiated Power	PASS
4	2.1049	Occupied Bandwidth	PASS ^{Note 3}
5	2.1051 22.917 (a) 24.238 (a) 27.53 (c) 27.53 (g) 27.53 (h) 27.53 (m)(4) 90.691 (a)	Conducted Spurious Emission and Conducted Band	PASS ^{Note 3}



6	2.1053 22.917 (a) 24.238 (a) 27.53 (c) 27.53 (g) 27.53 (h) 27.53 (m)(4) 90.691 (a)	Radiated Spurious Emission	PASS
7	2.1055 22.335 24.235 27.54 90.213(a)	Frequency Stability	PASS ^{Note 3}

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, recorded in a separate test report.
3. Please refer to FCC ID: XMR201903EG25G, Report number is HR/2019/1001601.

1.3. Test Configuration of Equipment Under Test

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

Radiated measurements are performed by rotating the EUT in three(X: flat, Y: portrait, Z: landscape) different orthogonal test planes to find the maximum emission.

Test Items	Band	Bandwidth(MHz)						Modulation		RB Configuration			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
ERP/EIRP	2/4/25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	5/12	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
	7/41			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	26 (Part 22)	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
	26 (Part 90)	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
Radiated Spurious Emission	2	Worst case												✓	
	4	Worst case												✓	
	5	Worst case												✓	
	7	Worst case												✓	
	12	Worst case												✓	
	25	Worst case												✓	
	26	Worst case												✓	
	41	Worst case												✓	

Note 1: The mark “ ✓ ” means that this configuration is chosen for testing.



1.4. Laboratory Facilities

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

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.

CAB number: CN0064

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.

1.5. 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

2. 47 CFR Part 2 and RSS-Gen Requirements

2.1. Conducted Output Power and ERP/EIRP

2.1.1. Requirement

According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2/7/25/41.

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4.

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5/26(Part 22).

The ERP of mobile transmitters must not exceed 100 Watts for LTE Band 26(Part 90).

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12.

According to KDB 412172 D01 Determining ERP and EIRP v01r01.

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm;

G_T = gain of the transmitting antenna in dBi;

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB.

2.1.2. Measuring Instruments

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

2.1.3. Test Setup



2.1.4. Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

2.1.5. Test Results of Conducted Output Power and ERP/EIRP

LTE Band 2					
Bandwidth	Modulation	Maximum Conducted Power (dBm)	Ant.Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
1.4	QPSK	23.41	1.93	25.34	33.00
1.4	16QAM	22.47	1.93	24.40	33.00
3	QPSK	23.31	1.93	25.24	33.00
3	16QAM	21.92	1.93	23.85	33.00
5	QPSK	23.20	1.93	25.13	33.00
5	16QAM	22.29	1.93	24.22	33.00
10	QPSK	23.78	1.93	25.71	33.00
10	16QAM	22.03	1.93	23.96	33.00
15	QPSK	23.49	1.93	25.42	33.00
15	16QAM	21.90	1.93	23.83	33.00
20	QPSK	24.64	1.93	26.57	33.00
20	16QAM	21.95	1.93	23.88	33.00

LTE Band 4					
Bandwidth	Modulation	Maximum Conducted Power (dBm)	Ant.Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
1.4	QPSK	23.41	0.52	23.93	30.00
1.4	16QAM	22.59	0.52	23.11	30.00
3	QPSK	23.36	0.52	23.88	30.00
3	16QAM	21.98	0.52	22.50	30.00
5	QPSK	23.18	0.52	23.70	30.00
5	16QAM	22.26	0.52	22.78	30.00
10	QPSK	23.86	0.52	24.38	30.00
10	16QAM	22.20	0.52	22.72	30.00
15	QPSK	24.91	0.52	25.43	30.00
15	16QAM	22.06	0.52	22.58	30.00
20	QPSK	23.89	0.52	24.41	30.00
20	16QAM	22.17	0.52	22.69	30.00

LTE Band 5					
Bandwidth	Modulation	Maximum Conducted Power (dBm)	Ant.Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
1.4	QPSK	23.50	-1.88	19.47	38.45
1.4	16QAM	22.73	-1.88	18.70	38.45
3	QPSK	23.57	-1.88	19.54	38.45
3	16QAM	22.17	-1.88	18.14	38.45
5	QPSK	23.43	-1.88	19.40	38.45
5	16QAM	22.66	-1.88	18.63	38.45
10	QPSK	23.54	-1.88	19.51	38.45
10	16QAM	22.17	-1.88	18.14	38.45

LTE Band 7					
Bandwidth	Modulation	Maximum Conducted Power (dBm)	Ant.Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
5	QPSK	23.05	3.87	26.92	33.00
5	16QAM	22.04	3.87	25.91	33.00
10	QPSK	23.71	3.87	27.58	33.00
10	16QAM	21.91	3.87	25.78	33.00
15	QPSK	23.39	3.87	27.26	33.00
15	16QAM	21.97	3.87	25.84	33.00
20	QPSK	23.87	3.87	27.74	33.00
20	16QAM	22.02	3.87	25.89	33.00

LTE Band 12					
Bandwidth	Modulation	Maximum Conducted Power (dBm)	Ant.Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
1.4	QPSK	23.65	-3.18	18.32	34.77
1.4	16QAM	22.82	-3.18	17.49	34.77
3	QPSK	23.62	-3.18	18.29	34.77
3	16QAM	22.15	-3.18	16.82	34.77
5	QPSK	23.81	-3.18	18.48	34.77
5	16QAM	22.60	-3.18	17.27	34.77
10	QPSK	24.30	-3.18	18.97	34.77
10	16QAM	22.28	-3.18	16.95	34.77

LTE Band 25					
Bandwidth	Modulation	Maximum Conducted Power (dBm)	Ant.Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
1.4	QPSK	23.81	1.93	25.74	33.00
1.4	16QAM	22.77	1.93	24.70	33.00
3	QPSK	23.66	1.93	25.59	33.00
3	16QAM	22.25	1.93	24.18	33.00
5	QPSK	23.54	1.93	25.47	33.00
5	16QAM	22.63	1.93	24.56	33.00
10	QPSK	24.55	1.93	26.48	33.00
10	16QAM	22.31	1.93	24.24	33.00
15	QPSK	24.12	1.93	26.05	33.00
15	16QAM	22.43	1.93	24.36	33.00
20	QPSK	23.87	1.93	25.80	33.00
20	16QAM	22.37	1.93	24.30	33.00

LTE Band 26 (Part 22)					
Bandwidth	Modulation	Maximum Conducted Power (dBm)	Ant.Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
1.4	QPSK	23.65	-1.88	19.62	38.45
1.4	16QAM	22.76	-1.88	18.73	38.45
3	QPSK	23.53	-1.88	19.50	38.45
3	16QAM	22.15	-1.88	18.12	38.45
5	QPSK	23.64	-1.88	19.61	38.45
5	16QAM	22.42	-1.88	18.39	38.45
10	QPSK	23.84	-1.88	19.81	38.45
10	16QAM	22.32	-1.88	18.29	38.45
15	QPSK	23.74	-1.88	19.71	38.45
15	16QAM	22.24	-1.88	18.21	38.45

LTE Band 26 (Part 90)					
Bandwidth	Modulation	Maximum Conducted Power (dBm)	Ant.Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
1.4	QPSK	23.90	-1.88	19.87	50.00
1.4	16QAM	22.95	-1.88	18.92	50.00
3	QPSK	23.75	-1.88	19.72	50.00
3	16QAM	22.36	-1.88	18.33	50.00
5	QPSK	23.83	-1.88	19.80	50.00
5	16QAM	22.67	-1.88	18.64	50.00
10	QPSK	23.42	-1.88	19.39	50.00
10	16QAM	22.40	-1.88	18.37	50.00

LTE Band 41					
Bandwidth	Modulation	Maximum Conducted Power (dBm)	Ant.Gain (dBi)	Max. EIRP (dBm)	EIRP Limit (dBm)
5	QPSK	23.91	3.87	27.78	33.00
5	16QAM	22.38	3.87	26.25	33.00
10	QPSK	23.86	3.87	27.73	33.00
10	16QAM	22.34	3.87	26.21	33.00
15	QPSK	23.69	3.87	27.56	33.00
15	16QAM	22.31	3.87	26.18	33.00
20	QPSK	23.85	3.87	27.72	33.00
20	16QAM	22.34	3.87	26.21	33.00

2.2. Radiated Spurious Emission

2.2.1. Requirement

The radiated spurious emission was measured by substitution method according to ANSI/TIA-603-E-2016.

For Band 2 & 4 & 5 & 12 & 25 & 26:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For Band 7 & 41:

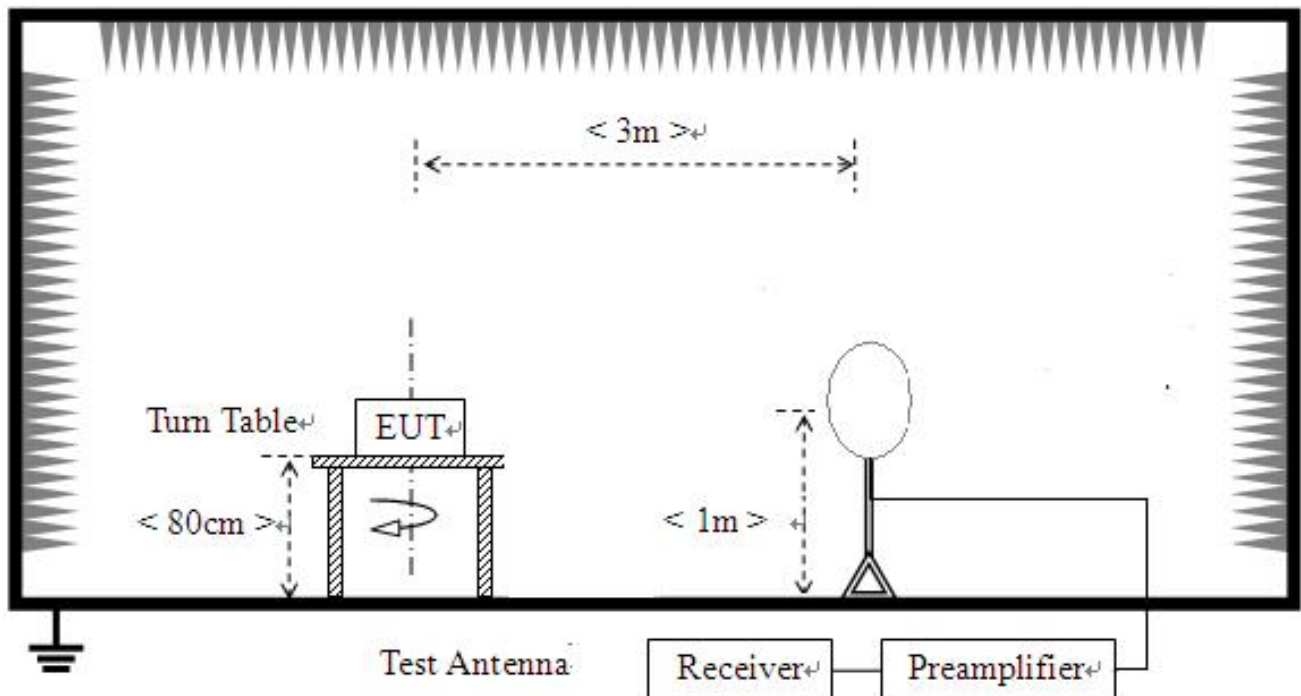
The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

2.2.2. Measuring Instruments

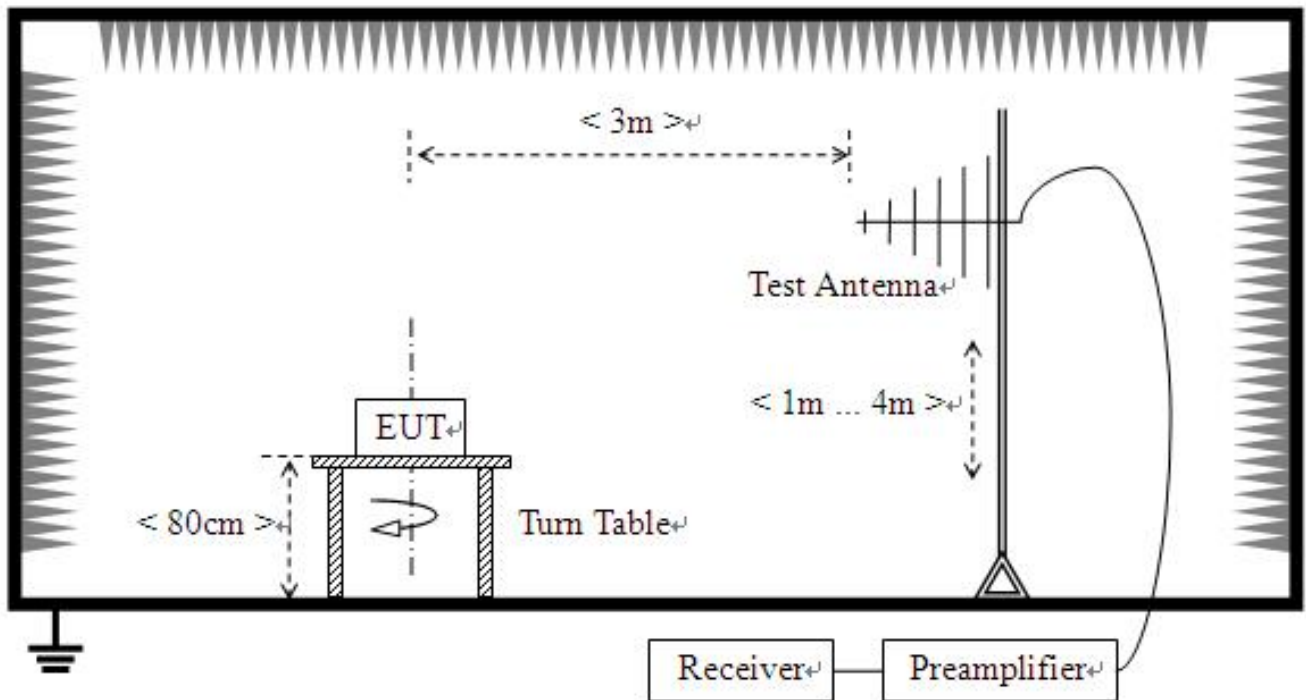
The measuring equipment is listed in the section 3 of this test report.

2.2.3. Test Setup

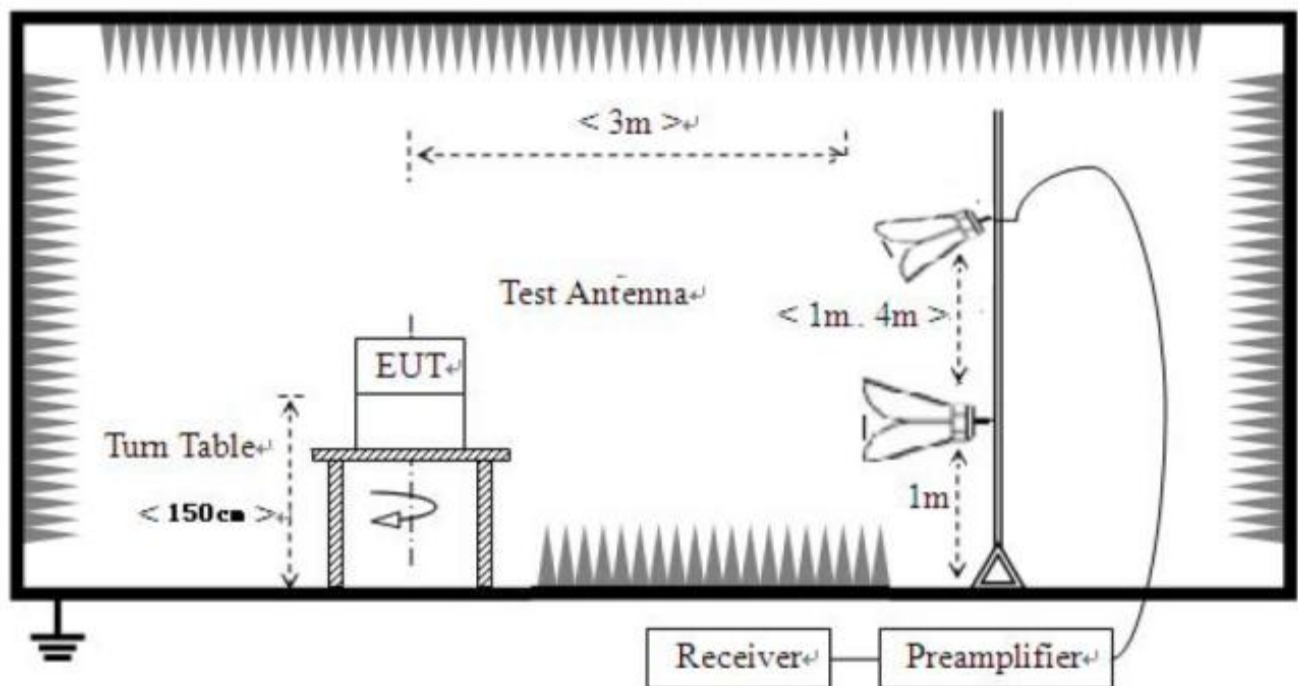
For radiated emissions from 9kHz to 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



2.2.4. Test Procedures

1. The EUT was placed on a rotatable wooden table with 0.8 meter (for below 1GHz) / 1.5 meters (for above 1GHz) above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
11. All Spurious Emission tests were performed in X, Y, Z axis direction and low, middle, high channel. And only the worst axis test condition was recorded in this test report.
12. The spectrum is measured from 9 kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. The worst case emissions are reported however emissions whose levels were not within 20dB of the respective limits were not reported.
13. The maximum RB configurations of the Radiated Spurious Emissions as RB Size full, RB Offset 0.

2.2.5. Test Result of Radiated Spurious Emission

Note: 1. The emission levels of above 18GHz are lower than the limit 20dB and not show in test report.

Note: 2. Absolute Level = Reading Level + Factor.

LTE Band 2 QPSK 20MHz BW Middle Channel							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	54.75	-104.79	-85.51	-13.00	72.51	19.28	Horizontal
2	209.54	-107.44	-84.29	-13.00	71.29	23.15	Horizontal
3	655.96	-104.10	-69.28	-13.00	56.28	34.82	Horizontal
4	1331.22	-57.26	-59.60	-13.00	46.60	-2.34	Horizontal
5	4788.59	-58.77	-44.19	-13.00	31.19	14.58	Horizontal
6	12579.2	-62.61	-39.62	-13.00	26.62	22.99	Horizontal
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	68.82	-105.43	-84.35	-13.00	71.35	21.08	Vertical
2	155.68	-106.46	-86.59	-13.00	73.59	19.87	Vertical
3	654.99	-103.91	-70.83	-13.00	57.83	33.08	Vertical
4	1208.21	-58.40	-60.66	-13.00	47.66	-2.26	Vertical
5	4586.10	-59.09	-46.66	-13.00	33.66	12.43	Vertical
6	11028.9	-62.45	-39.71	-13.00	26.71	22.74	Vertical

LTE Band 4 QPSK 20MHz BW Middle Channel							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	53.78	-106.36	-87.09	-13.00	74.09	19.27	Horizontal
2	149.37	-105.81	-84.80	-13.00	71.80	21.01	Horizontal
3	515.24	-105.13	-72.71	-13.00	59.71	32.42	Horizontal
4	1326.72	-57.97	-60.31	-13.00	47.31	-2.34	Horizontal
5	3018.90	-57.50	-50.17	-13.00	37.17	7.33	Horizontal
6	12762.0	-62.25	-39.20	-13.00	26.20	23.05	Horizontal
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	68.33	-105.14	-84.12	-13.00	71.12	21.02	Vertical
2	154.22	-105.69	-85.81	-13.00	72.81	19.88	Vertical
3	485.16	-106.09	-75.93	-13.00	62.93	30.16	Vertical
4	1211.61	-57.43	-59.69	-13.00	46.69	-2.26	Vertical
5	4833.92	-59.41	-44.67	-13.00	31.67	14.74	Vertical
6	11687.9	-63.18	-39.74	-13.00	26.74	23.44	Vertical

LTE Band 5 QPSK 10MHz BW Middle Channel							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	56.20	-103.69	-84.40	-13.00	71.40	19.29	Horizontal
2	180.43	-106.00	-83.42	-13.00	70.42	22.58	Horizontal
3	633.64	-105.03	-71.46	-13.00	58.46	33.57	Horizontal
4	1255.31	-57.34	-59.64	-13.00	46.64	-2.30	Horizontal
5	3141.58	-57.33	-50.12	-13.00	37.12	7.21	Horizontal
6	10188.2	-60.96	-39.43	-13.00	26.43	21.53	Horizontal
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	100.36	-104.31	-79.91	-13.00	66.91	24.40	Vertical
2	238.17	-107.50	-84.10	-13.00	71.10	23.40	Vertical
3	453.13	-103.84	-74.43	-13.00	61.43	29.41	Vertical
4	1509.63	-57.80	-59.71	-13.00	46.71	-1.91	Vertical
5	4819.74	-58.00	-43.26	-13.00	30.26	14.74	Vertical
6	14490.6	-63.93	-38.91	-13.00	25.91	25.02	Vertical

LTE Band 7 QPSK 20MHz BW Middle Channel							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	42.62	-106.63	-85.67	-13.00	72.67	20.96	Horizontal
2	192.07	-107.18	-84.16	-13.00	71.16	23.02	Horizontal
3	528.83	-104.58	-72.44	-13.00	59.44	32.14	Horizontal
4	1328.42	-57.63	-59.97	-13.00	46.97	-2.34	Horizontal
5	4809.59	-59.43	-44.69	-13.00	31.69	14.74	Horizontal
6	11026.6	-61.91	-39.17	-13.00	26.17	22.74	Horizontal
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	79.98	-103.41	-81.32	-13.00	68.32	22.09	Vertical
2	162.96	-106.25	-86.36	-13.00	73.36	19.89	Vertical
3	724.87	-106.16	-71.41	-13.00	58.41	34.75	Vertical
4	1152.71	-57.00	-59.19	-13.00	46.19	-2.19	Vertical
5	4869.09	-58.98	-44.23	-13.00	31.23	14.75	Vertical
6	13802.2	-62.13	-37.94	-13.00	24.94	24.19	Vertical

LTE Band 12 QPSK 10MHz BW Middle Channel							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	73.19	-103.31	-84.03	-13.00	71.03	19.28	Horizontal
2	186.73	-106.83	-84.03	-13.00	71.03	22.80	Horizontal
3	356.57	-105.00	-76.22	-13.00	63.22	28.78	Horizontal
4	1403.42	-56.92	-59.21	-13.00	46.21	-2.29	Horizontal
5	2988.10	-56.53	-50.16	-13.00	37.16	6.37	Horizontal
6	10905.3	-62.77	-39.71	-13.00	26.71	23.06	Horizontal
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	95.51	-104.61	-80.68	-13.00	67.68	23.93	Vertical
2	281.84	-105.44	-80.52	-13.00	67.52	24.92	Vertical
3	644.32	-104.56	-71.51	-13.00	58.51	33.05	Vertical
4	1932.05	-57.85	-56.89	-13.00	43.89	0.96	Vertical
5	5088.73	-59.00	-44.43	-13.00	31.43	14.57	Vertical
6	12348.6	-61.67	-38.95	-13.00	25.95	22.72	Vertical

LTE Band 25 QPSK 10MHz BW Middle Channel							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	48.92	-106.89	-87.41	-13.00	74.41	19.48	Horizontal
2	185.28	-106.01	-83.26	-13.00	70.26	22.75	Horizontal
3	497.29	-104.46	-72.02	-13.00	59.02	32.44	Horizontal
4	1096.30	-57.37	-59.44	-13.00	46.44	-2.07	Horizontal
5	5083.30	-59.41	-44.87	-13.00	31.87	14.54	Horizontal
6	11930.0	-62.39	-38.99	-13.00	25.99	23.40	Horizontal
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	75.13	-101.99	-80.33	-13.00	67.33	21.66	Vertical
2	233.80	-105.80	-82.75	-13.00	69.75	23.05	Vertical
3	615.69	-104.39	-71.45	-13.00	58.45	32.94	Vertical
4	1404.22	-57.48	-59.77	-13.00	46.77	-2.29	Vertical
5	5152.43	-59.21	-44.74	-13.00	31.74	14.47	Vertical
6	13500.9	-63.74	-39.79	-13.00	26.79	23.95	Vertical

LTE Band 26(Part 22) QPSK 10MHz BW Middle Channel							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	59.60	-104.33	-85.01	-13.00	72.01	19.32	Horizontal
2	179.45	-105.54	-83.00	-13.00	70.00	22.54	Horizontal
3	522.04	-104.07	-71.83	-13.00	58.83	32.24	Horizontal
4	1697.73	-57.76	-58.41	-13.00	45.41	-0.65	Horizontal
5	3792.61	-57.88	-49.88	-13.00	36.88	8.00	Horizontal
6	14413.5	-63.33	-38.91	-13.00	25.91	24.42	Horizontal
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	100.85	-104.66	-80.30	-13.00	67.30	24.36	Vertical
2	243.51	-105.41	-81.55	-13.00	68.55	23.86	Vertical
3	454.10	-103.11	-73.67	-13.00	60.67	29.44	Vertical
4	1432.62	-57.51	-59.71	-13.00	46.71	-2.20	Vertical
5	3487.05	-56.09	-49.17	-13.00	36.17	6.92	Vertical
6	12850.0	-62.78	-39.58	-13.00	26.58	23.20	Vertical

LTE Band 26(Part 90) QPSK 10MHz BW Middle Channel							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	58.63	-103.21	-83.89	-13.00	70.89	19.32	Horizontal
2	155.19	-105.28	-84.02	-13.00	71.02	21.26	Horizontal
3	523.98	-104.72	-72.51	-13.00	59.51	32.21	Horizontal
4	1485.62	-57.72	-59.75	-13.00	46.75	-2.03	Horizontal
5	5012.25	-58.58	-44.35	-13.00	31.35	14.23	Horizontal
6	13125.4	-61.00	-37.77	-13.00	24.77	23.23	Horizontal
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	75.61	-104.30	-82.60	-13.00	69.60	21.70	Vertical
2	134.81	-106.65	-85.39	-13.00	72.39	21.26	Vertical
3	582.21	-104.57	-72.10	-13.00	59.10	32.47	Vertical
4	1309.22	-57.20	-59.54	-13.00	46.54	-2.34	Vertical
5	4409.17	-58.88	-47.58	-13.00	34.58	11.30	Vertical
6	17184.0	-65.38	-37.19	-13.00	24.19	28.19	Vertical

LTE Band 41 QPSK 20MHz BW Middle Channel							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	67.36	-104.62	-85.27	-13.00	72.27	19.35	Horizontal
2	177.03	-106.51	-84.11	-13.00	71.11	22.40	Horizontal
3	520.10	-103.92	-71.65	-13.00	58.65	32.27	Horizontal
4	1241.61	-57.79	-60.08	-13.00	47.08	-2.29	Horizontal
5	5136.16	-59.20	-44.68	-13.00	31.68	14.52	Horizontal
6	12233.6	-62.05	-39.29	-13.00	26.29	22.76	Horizontal
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	59.11	-103.60	-83.66	-13.00	70.66	19.94	Vertical
2	182.85	-105.85	-85.83	-13.00	72.83	20.02	Vertical
3	654.02	-104.78	-71.72	-13.00	58.72	33.06	Vertical
4	1672.23	-56.71	-57.51	-13.00	44.51	-0.80	Vertical
5	5243.96	-58.45	-44.32	-13.00	31.32	14.13	Vertical
6	12805.7	-61.51	-38.42	-13.00	25.42	23.09	Vertical

3. List of measuring equipment

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	EMI Test Receiver	ROHDE&SCHWARZ	ESW26	A180502935	2023.06.08	2024.06.07
2	5M Anechoic Chamber	Albatross	SAC-5MAC 12.8x6.8x6.4m	A0304210	2022.06.09	2026.06.08
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	2024.06.07
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	2024.05.31
7	Amplifier 30M~1GHz	MILMEGA	80RF1000-1000	A140101634	2023.10.20	2024.10.19
8	Amplifier 1G~18GHz	MILMEGA	AS0104R-800/400	A160302517	2023.10.20	2024.10.19
9	Spectrum Analyzer	KEYSIGHT	N9030A	A160702554	2024.01.18	2025.01.17
10	Test Receiver	R&S	ESIB7	A0501375	2024.02.28	2025.02.27
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	Constant Temperature Humidity Chamber	ESPEC	SU-642	A150802409	2024.02.22	2025.02.21
14	Wideband Radio Communication tester	R&S	CMW500	A130101034	2023.07.13	2024.07.12
15	Wideband Radio Communication tester	R&S	CMW500	A150802214	2023.06.01	2024.05.31
16	Test Receiver	KEYSIGHT	N9038A	A141202036	2023.06.12	2024.06.11
17	LISN	ROHDE&SCHWARZ	ENV216	A140701847	2023.06.08	2024.06.07
18	Power Supply	R&S	WYJ-60100	A141102031	2023.07.12	2026.07.11

4. Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.10-2013. 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 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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**** END OF REPORT ****