TEST REPORT

Application No.:	GZCR2402000161HS
Applicant:	STEPR Pty Ltd
Address of Applicant:	2 Activity Crescent, Molendinar, Queensland 4214, AUSTRALIA
Manufacturer:	STEPR Inc
Address of Manufacturer:	300 Delaware Ave. Suite 210 #524, Wilmington, DE 19801 United States.
Factory:	Xiamen K-power Sports Co., Ltd
Address of Factory:	1333 Tonghui Nan Road, Tong'An, Xiamen, Fujian, China
Product Name:	STEPR PRO Stair Climber
Model No.:	STEPR-PRO-CL, STEPR-PRO-H ♣
♣	Please refer to section 2 of this report which indicates which item was actually tested and which were electrically identical.
Trade Mark:	STEPR
Standard(s) :	47 CFR Part 15, Subpart C
Date of Receipt:	2024-02-06
Date of Test:	2024-03-29 to 2024-04-22
Date of Issue:	2024-06-28
Test Result:	**Pass***

* In the configuration tested, the EUT complied with the standards specified above.

Jerry Chan
Manager

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编：510663 t (86-20) 82155555 sgs.china@sgs.com

Revision Record			
Version	**Report No.**	**Date**	**Remark**
01	GZCR240200016102	2024-06-28	Original

Authorized for issue by:				
		Luke Lin **Luke Lin/Project Engineer**		
		Vico Cui **Vico Cui/Reviewer**		

2 Test Summary

Radio Spectrum Technical Requirement				
Item	**Standard**	**Method**	**Requirement**	**Result**
Antenna Requirement	47 CFR Part 15, Subpart C	N/A	47 CFR Part 15, Subpart C 15.203	Pass

Radio Spectrum Matter Part				
Item	**Standard**	**Method**	**Requirement**	**Result**
20dB Bandwidth	47 CFR Part 15, Subpart C	ANSI C63.10 (2013) Section 6.9.2	47 CFR Part 15, Subpart C 15.215	Pass
Conducted Emissions at AC Mains Power Port (150kHz-30MHz)		ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass
Restricted Bands		ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.205	Pass
Radiated Emissions (9kHz-30MHz)		ANSI C63.10 (2013) Section 6.4	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Emissions (30MHz-1GHz)		ANSI C63.10 (2013) Section 6.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass

Note:

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

♣ **Declaration of EUT Family Grouping:**

Model No.: STEPR-PRO-CL, STEPR-PRO-H

According to the declaration from the applicant, the difference between models STEPR-PRO-CL and STEPR-PRO-H is display and wireless function.

STEPR-PRO-H (Marked as M1) has TFT display which integrate Wi-Fi, Bluetooth Classic and WPC functions.

STEPR-PRO-CL (Marked as M2) has LED display which integrate Bluetooth LE and WPC functions.

Models STEPR-PRO-H and STEPR-PRO-CL have same WPC function.

Therefore, only model STEPR-PRO-H (M1) was tested in this report.

3 Contents

SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch Testing Center EEC Laboratory.
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编：510663 t (86-20) 82155555 sgs.china@sgs.com

4 General Information

4.1 Details of E.U.T.

Power supply: AC 100-240V, 50/60Hz
Test voltage: AC 120V, 60Hz
Cable(s): AC mains, 3 wires, 1.8m, unshielded.
USB 2.0 Port x1 for charging function.
Micro USB Port x1 for charging function.
Operation frequency: 112.18 kHz to 148.693 kHz
Modulation type: Load modulation
Antenna type: Loop Antenna

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Mobile Phone	APPLE	iPhone 12 mini	F71DP3NG0GQY

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
20dB Bandwidth	± 3%
Conducted Emissions at AC Mains Power Port (150kHz-30MHz)	± 2.76dB
Restricted Bands	± 3%
Radiated Emissions (9kHz-30MHz)	± 3.12dB
Radiated Emissions (30MHz-1GHz)	±5.00dB (3m); ±4.38dB (10m)

Remark:
The U_{lab} (lab Uncertainty) is less than $U_{cispr/etsi}$ (CISPR/ETSI Uncertainty), so the test results
– compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
– non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

4.4 Test Location

All tests were performed at:
SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
Tel: +86 20 82155555
No tests were sub-contracted.

4.5 Test Facility

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

- **ACMA**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

- **SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO**

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

- **FCC Recognized Accredited Test Firm(Registration No.: 486818)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited 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: CN5016, Test Firm Registration Number: 486818.

- **ISED (Registration No.: 4620B, CAB identifier: CN0052)**

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

- **VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)**

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

- **CBTL (Lab Code: TL129)**

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None

5 Equipment List

20dB Bandwidth & Restricted Bands					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
MXA Signal Analyzer (10Hz-8.4GHz)	Agilent Technologies	N9020A	SEM004-10	2024-02-20	2025-02-19
10m Semi-Anechoic Chamber	ETS	N/A	EMC0530	2022-10-16	2025-10-15
Coaxial cable	Mirco-COAX UTIFLEX	311A	EMC0540	2023-06-14	2025-06-13
Amplifier (9kHz-1.3GHz)	HP	8447F	EMC2065	2023-06-14	2024-06-13
Active Loop Antenna-RED	ETS-Lindgren	6502	EMC2190	2024-04-08	2026-04-07

Conducted Emissions at AC Mains Power Port (150kHz-30MHz)					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
Coaxial Cable	HangTianXing	2m	EMC0107	2023-08-04	2024-08-03
10m Semi-Anechoic Chamber	ETS	N/A	EMC0530	2022-10-16	2025-10-15
Two-Line V-Network-GZ	Rohde & Schwarz	ENV216	EMC2135	2023-09-08	2024-09-07
EMI Test Receiver (9kHz-3.6GHz)	Rohde & Schwarz	ESR3	EMC2221	2023-05-19	2024-05-18
Test Software E3r	Audix	Ver.6.11812	GZE100-77	N/A	N/A

Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
MI CABLE	SGS-EMC	0.8M	EMC2137	2023-11-02	2025-11-01
MXA Signal Analyzer (10Hz-8.4GHz)	Agilent Technologies	N9020A	SEM004-10	2024-02-20	2025-02-19

Radiated Emissions (9kHz-30MHz)					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
10m Semi-Anechoic Chamber	ETS	N/A	EMC0530	2022-10-16	2025-10-15
Coaxial cable	Mirco-COAX UTIFLEX	311A	EMC0540	2023-06-14	2025-06-13
Amplifier (9kHz-1.3GHz)	HP	8447F	EMC2065	2023-06-14	2024-06-13
Active Loop Antenna-RED	ETS-Lindgren	6502	EMC2190	2024-04-08	2026-04-07
EMI Test Receiver (1Hz-8GHz)	Rohde & Schwarz	ESW8	EMC2220	2023-05-19	2024-05-18
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A

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Radiated Emissions (30MHz-1GHz)					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
10m Semi-Anechoic Chamber	ETS	N/A	EMC0530	2022-10-16	2025-10-15
Coaxial cable	Mirco-COAX UTIFLEX	311A	EMC0540	2023-06-14	2025-06-13
Amplifier (9kHz-1.3GHz)	HP	8447F	EMC2065	2023-06-14	2024-06-13
EMI Test Receiver (1Hz-8GHz)	Rohde & Schwarz	ESW8	EMC2220	2023-05-19	2024-05-18
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A
Trilog Broadband Antenna (25MHz-1GHz)	SCHWARZBECK MESS-ELEKTRONIK	VULB 9168	EMC2174	2022-06-19	2025-06-18

General used equipment					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
DMM	Fluke	73	EMC0006	2023-06-11	2024-06-10

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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

Standard 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 shall be considered sufficient to comply with the provisions of this section. 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.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement.

Refer to internal photos

7 Radio Spectrum Matter Test Results

7.1 20dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.215
Test Method: ANSI C63.10 (2013) Section 6.9.2
Limit: For report reference only

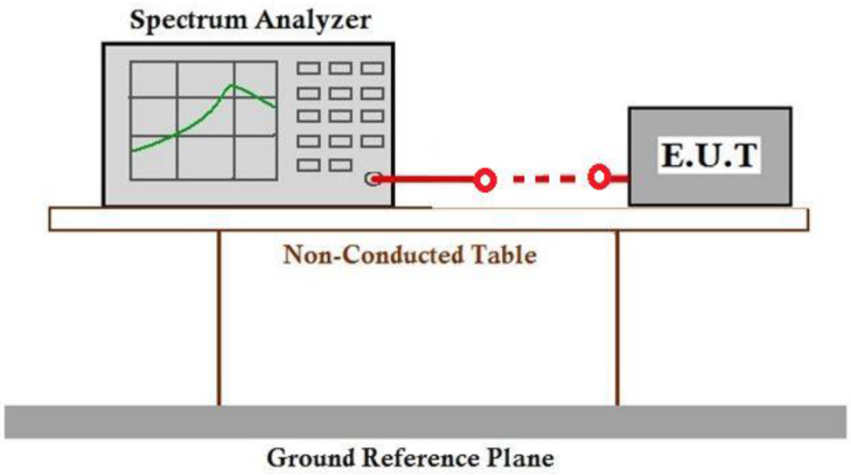
7.1.1 E.U.T. Operation

Operating Environment:
Temperature: 22.3 °C Humidity: 66.8 % RH Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	05	Charge mode_Keep the EUT charging(5W)
Pre-scan	06	Charge mode_Keep the EUT charging(7.5W)
Final test	07	Charge mode_Keep the EUT charging(10W)

7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

Changing will take place when the charger is in contact with EUT only, no space is reserved/ designed for air because the structure of the EUT will automatically fix the device being charged closely.

Remark: The setting of RBW was the minimum for the spectrum.

Test Frequency	20 dB Bandwidth (kHz)	Limit (kHz)	Results
127.66kHz which is the worst case within the operation frequency range	0.596	---	Pass

Test Mode: 07

7.2 Conducted Emissions at AC Mains Power Port (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207

Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

Frequency of emission(MHz)	Conducted limit(dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50
*Decreases with the logarithm of the frequency.		

7.2.1 E.U.T. Operation

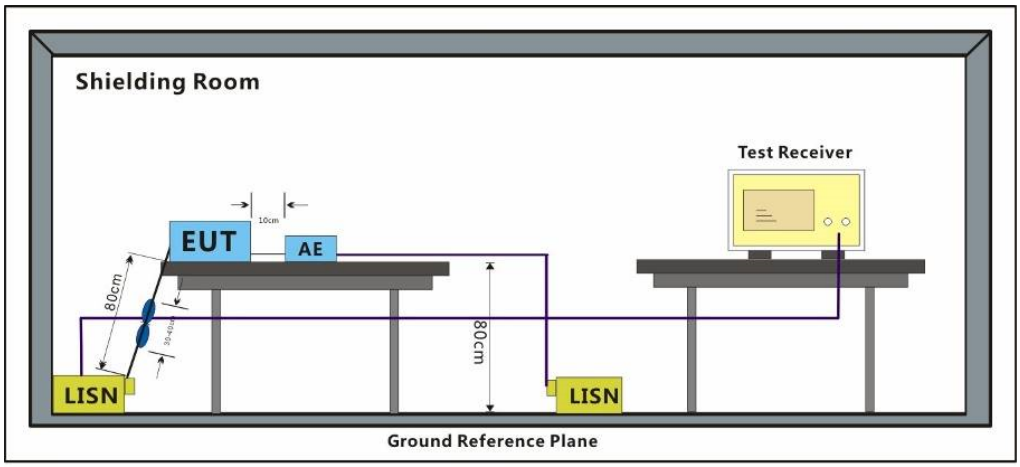
Operating Environment:

Temperature: 23.6 °C Humidity: 51.0 % RH Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	05	Charge mode_Keep the EUT charging(5W)
Pre-scan	06	Charge mode_Keep the EUT charging(7.5W)
Final test	07	Charge mode_Keep the EUT charging(10W)

7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

1) The mains terminal disturbance voltage test was conducted in a shielded room.

2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.

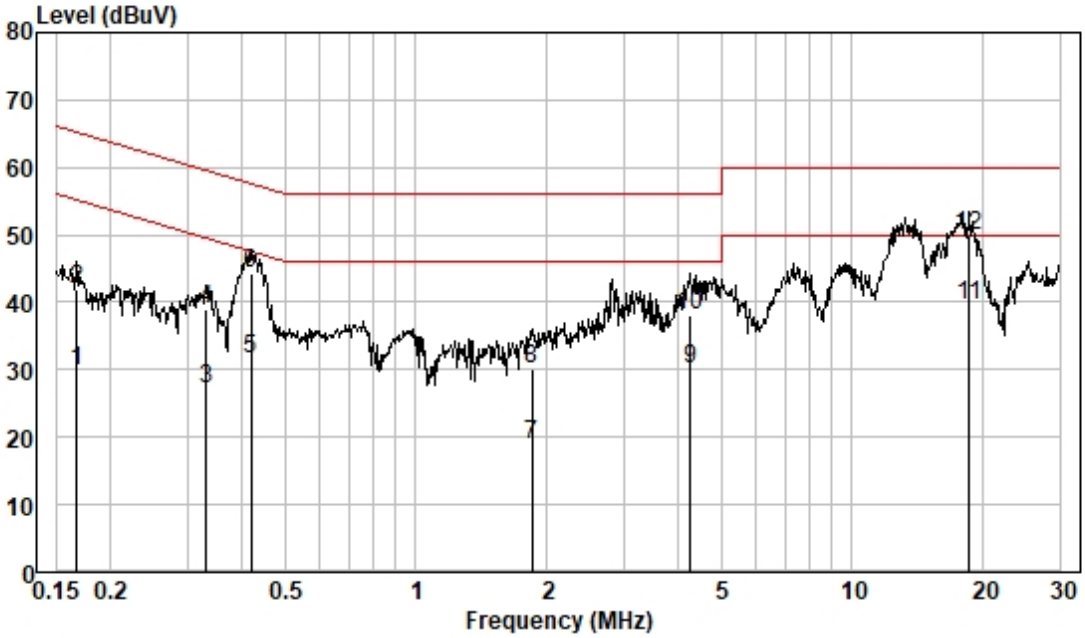
3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,

4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.

5) 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 on conducted measurement.

Remark: Level=Read Level+ Cable Loss+ LISN Factor

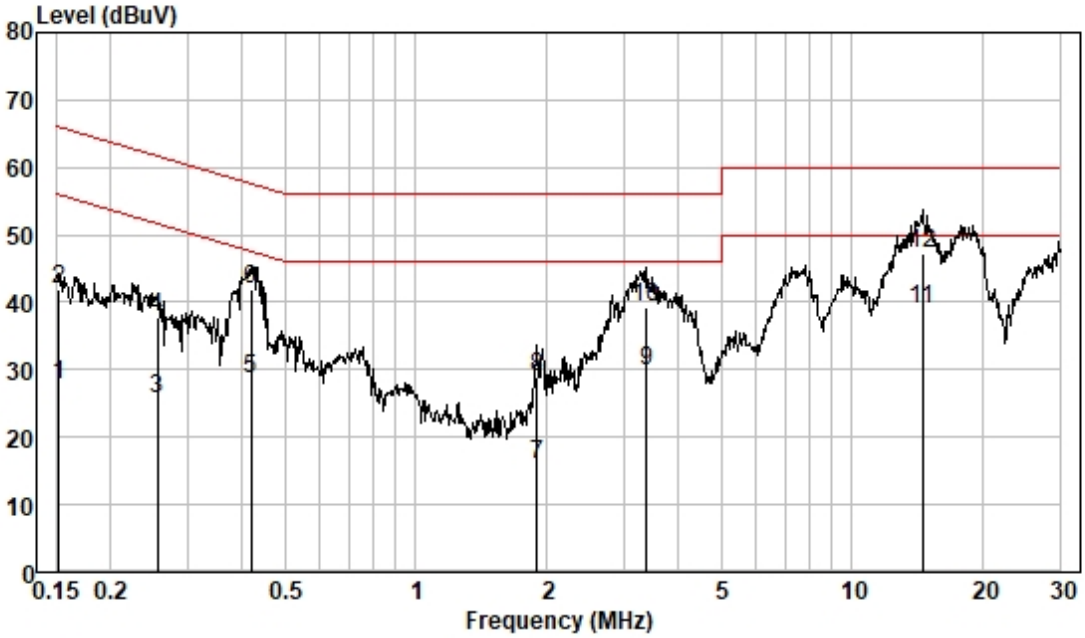
Test Mode: 07; Line: Live line



Pol :LINE
Mode :
Model :
Power :

	Frequenc MHz	Read Level dBuV	Cable Loss dB	LISN Factor dB	Measured Level dBuV	Limit Line dBuV	Over Limit dB	Remark
1	0.167	20.14	0.04	9.55	29.73	55.12	-25.39	Average
2	0.167	32.38	0.04	9.55	41.97	65.12	-23.15	QP
3	0.330	17.63	0.04	9.57	27.24	49.44	-22.20	Average
4	0.330	29.32	0.04	9.57	38.93	59.44	-20.51	QP
5	0.419	21.85	0.05	9.56	31.46	47.46	-16.00	Average
6	0.419	34.62	0.05	9.56	44.23	57.46	-13.23	QP
7	1.848	9.11	0.12	9.57	18.80	46.00	-27.20	Average
8	1.848	20.45	0.12	9.57	30.14	56.00	-25.86	QP
9	4.247	20.31	0.18	9.61	30.10	46.00	-15.90	Average
10	4.247	28.37	0.18	9.61	38.16	56.00	-17.84	QP
11	18.524	29.31	0.37	9.86	39.54	50.00	-10.46	Average
12	18.524	39.55	0.37	9.86	49.78	60.00	-10.22	QP

Test Mode: 07; Line: Neutral Line



Pol :NEUTRAL
Mode :
Model :
Power :

	Frequenc MHz	Read Level dBuV	Cable Loss dB	LISN Factor dB	Measured Level dBuV	Limit Line dBuV	Over Limit dB	Remark
1	0.152	18.24	0.04	9.52	27.80	55.91	-28.11	Average
2	0.152	32.49	0.04	9.52	42.05	65.91	-23.86	QP
3	0.256	15.97	0.04	9.53	25.54	51.56	-26.02	Average
4	0.256	28.31	0.04	9.53	37.88	61.56	-23.68	QP
5	0.419	18.97	0.05	9.54	28.56	47.46	-18.90	Average
6	0.419	32.29	0.05	9.54	41.88	57.46	-15.58	QP
7	1.898	6.37	0.12	9.55	16.04	46.00	-29.96	Average
8	1.898	19.33	0.12	9.55	29.00	56.00	-27.00	QP
9	3.381	20.13	0.16	9.58	29.87	46.00	-16.13	Average
10	3.381	29.45	0.16	9.58	39.19	56.00	-16.81	QP
11	14.517	28.69	0.32	9.89	38.90	50.00	-11.10	Average
12	14.517	37.10	0.32	9.89	47.31	60.00	-12.69	QP

7.3 Restricted Bands

Test Requirement 47 CFR Part 15, Subpart C 15.205
Test Method: ANSI C63.10 (2013) Section 6.10.5
Limit: The fundamental wave could not fall in the restricted band 90KHz-110KHz

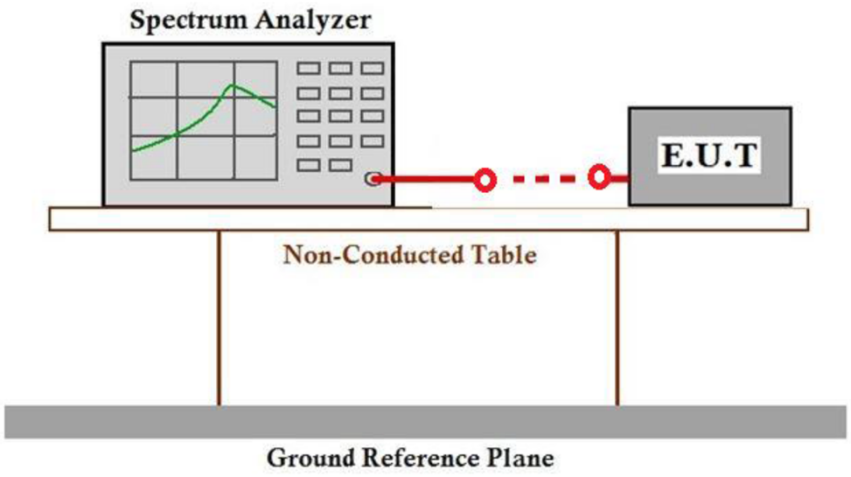
7.3.1 E.U.T. Operation

Operating Environment:
Temperature: 22.3 °C Humidity: 66.8 % RH Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	05	Charge mode_Keep the EUT charging(5W)
Pre-scan	06	Charge mode_Keep the EUT charging(7.5W)
Final test	07	Charge mode_Keep the EUT charging(10W)

7.3.3 Test Setup Diagram

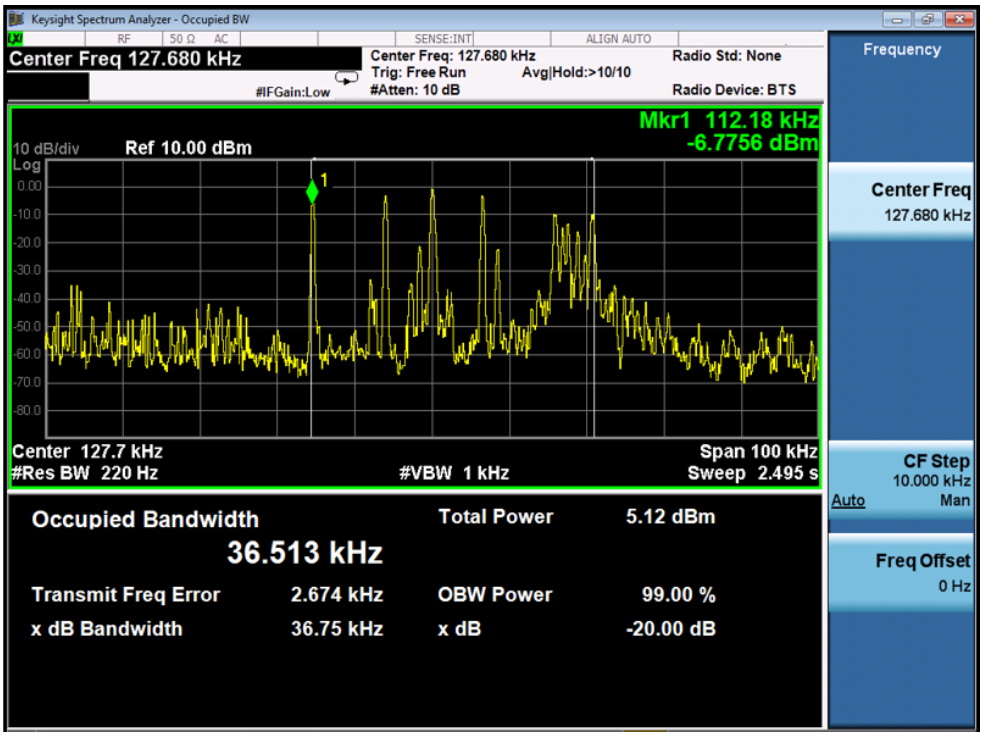


7.3.4 Measurement Procedure and Data

Changing will take place when the charger is in contact with EUT only, no space is reserved/ designed for air because the structure of the EUT will automatically fix the device being charged closely.

According the test data below, the fundamental wave is not fall in the restricted band 90k~110kHz, the field strength also meet the 15.209 requirement, please refer to clause 7.4.

Test Mode: 07



7.4 Radiated Emissions (9kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.4

Test Distance: 3 m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.		

If field strength is measured at only a single point, then that point shall be at the radial from the EUT that produces the maximum emission at the frequency being measured, as described in 5.4. If that point is closer to the EUT than λ/2π and the limit distance is greater than λ/2π, the measurement shall be extrapolated to the limit distance by conservatively presuming that the field strength decreases at a 40 dB/decade of distance rate to the λ/2π distance, and at a 20 dB/decade of distance rate beyond λ/2π. This shall be accomplished using Equation (2):

$$FS_{(3m)} = FS_{(30/300m)} + 40\log\{d_{(\text{near field})}/d_{(3m)}\} + 20\log\{d_{(30/300m)}/d_{(\text{near field})}\} \quad (2)$$

If the single point measured is at a distance greater than λ/2π, then extrapolation to the limit distance shall be calculated using Equation (3):

$$FS_{(3m)} = FS_{(30/300m)} + 20\log\{d_{(30/300m)}/d_{(3m)}\} \quad (3)$$

If both the single point and the limit distance are equal to or closer to the EUT than λ/2π, then extrapolation to the limit distance shall be calculated using Equation (4):

$$FS_{(3m)} = FS_{(30/300m)} + 40\log\{d_{(30/300m)}/d_{(3m)}\} \quad (4)$$

Remark:

$$d_{\text{near field}} = 47.77 / f_{MHz}$$

where f_{MHz} is the frequency of the emission being measured in MHz.

7.4.1 E.U.T. Operation

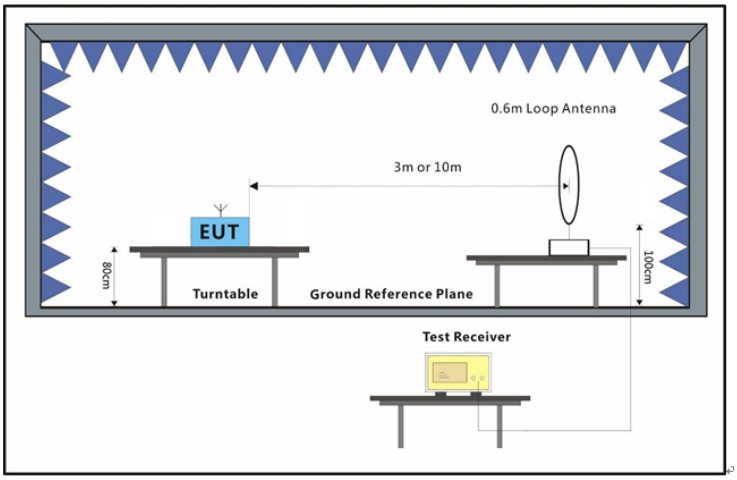
Operating Environment:

Temperature: 22.3 °C Humidity: 59.7 % RH Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	05	Charge mode_Keep the EUT charging(5W)
Pre-scan	06	Charge mode_Keep the EUT charging(7.5W)
Final test	07	Charge mode_Keep the EUT charging(10W)

7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

a. All radiated emission measurements in terms of magnetic field strength shall be performed with a shielded loop antenna.

b. For all radiated emission measurements in terms of magnetic field strength, the loop antenna were placed such that:

i. its centre shall be at 1.3 m height above the ground plane;

ii. the projection of its centre onto the ground plane shall be at the specified measurement distance from the projection on the ground plane of the closest point on the boundary of the equipment under test (EUT); and

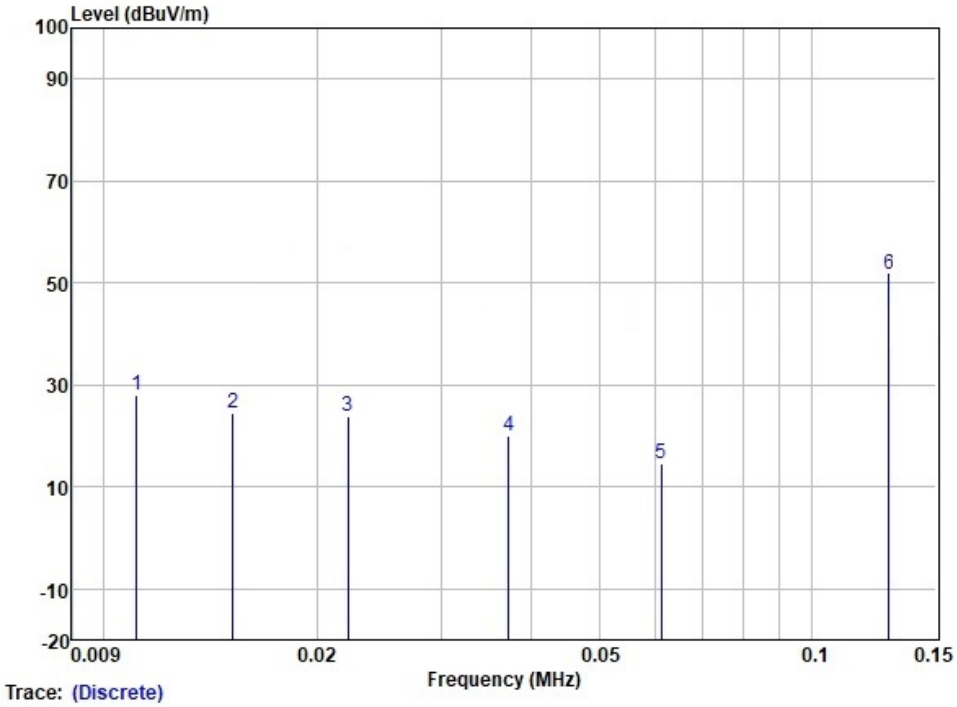
iii. measurements shall be performed with the loop antenna placed vertically, in turn, in two polarizations (the measurement axis specified below is the line segment connecting the projections on the ground plane of the centre of the loop antenna and the centre of the EUT arrangement):

· coaxial (loop plane perpendicular to the ground plane and to the measurement axis); and

· coplanar (loop plane perpendicular to the ground plane and coplanar with the measurement axis).

And only the worst case of both polarizations was recorded in this report.

Test Mode: 07; Polarity: Coaxial



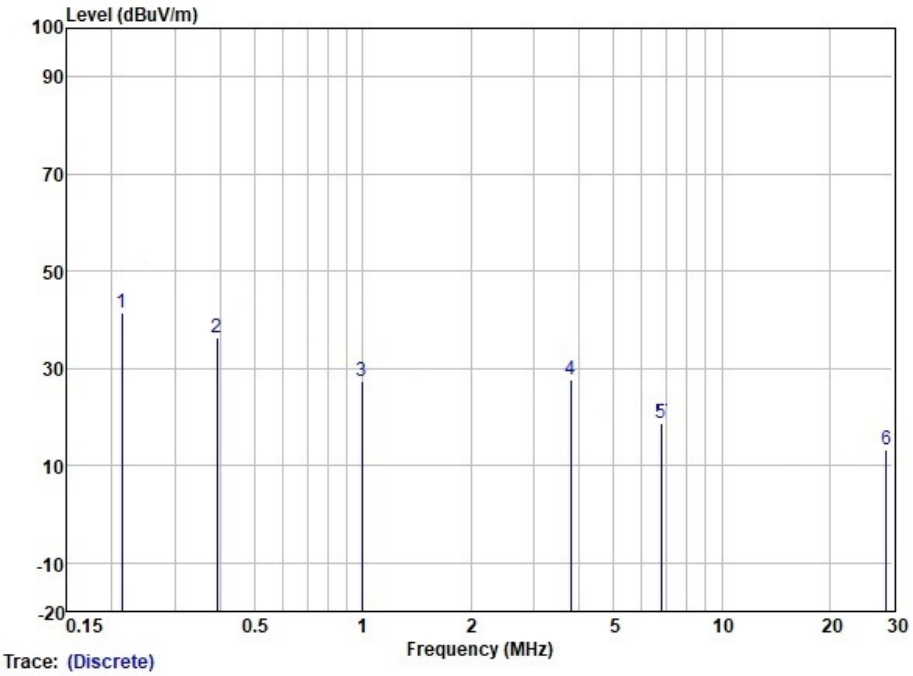
Site : SGS
Job :
Model : M1
Power :
Test Mode : Charging 10W

	Freq	Read Level	Anterna Factor	Cable Loss	Preamp Factor	Measured Level	Limit Line	Over Limit	Pol/ Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	0.011	38.18	18.18	0.00	28.05	28.31				
2	0.015	37.56	15.31	0.00	28.14	24.73				
3	0.022	37.88	13.98	0.00	28.33	23.53				
4	0.037	36.45	12.53	0.01	29.10	19.89				
5	0.061	31.72	12.09	0.02	29.37	14.46				
6	0.128	69.20	11.92	0.02	29.50	51.64				

Remark: The point 6 is the fundamental frequency of the EUT.

Frequency (MHz)	Level @3m (dBuV/m)	Limit @300m (dBuV/m)	Convert Factor (dB)	Level @ 300m (dBuV/m)	Over limit (dB)	Remark
0.011	28.31	46.78	80	-51.69	-98.47	AV
0.015	24.73	44.08	80	-55.27	-99.35	AV
0.022	23.53	40.76	80	-56.47	-97.23	AV
0.037	19.89	36.24	80	-60.11	-96.35	AV
0.061	14.46	31.90	80	-65.54	-97.44	AV
0.128	51.64	25.46	80	-28.36	-53.82	AV

Test Mode: 07; Polarity: Coaxial



Trace: (Discrete)

Site : SGS
Job :
Model : M1
Power :
Test Mode : Charging 10W

	Freq	Read Level	Anterna Factor	Cable Loss	Preamp Factor	Measured Level	Limit Line	Over Limit	Pol/ Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	0.213	59.07	11.85	0.03	29.50	41.45				
2	0.393	53.96	11.86	0.06	29.41	36.47				
3	0.994	44.99	11.84	0.07	29.40	27.50				
4	3.799	45.16	11.69	0.17	29.40	27.62				
5	6.769	36.11	11.68	0.20	29.36	18.63				
6	28.755	35.54	6.59	0.37	29.12	13.38				

Frequency (MHz)	Level @3m (dBuV/m)	Limit @300m (dBuV/m)	Convert Factor (dB)	Level @ 300m (dBuV/m)	Over limit (dB)	Remark
0.213	41.45	21.04	80	-38.55	-59.59	AV
0.393	36.47	15.72	80	-43.53	-59.25	AV
Frequency (MHz)	Level @3m (dBuV/m)	Limit @30m (dBuV/m)	Convert Factor (dB)	Level @ 30m (dBuV/m)	Over limit (dB)	Remark
0.994	27.50	27.66	40	-12.50	-40.16	QP
3.799	27.62	29.54	40	-12.38	-41.92	QP
6.769	18.63	29.54	40	-21.37	-50.91	QP
28.755	13.38	29.54	40	-26.62	-56.16	QP

7.5 Radiated Emissions (30MHz-1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209
Test Method: ANSI C63.10 (2013) Section 6.5
Test Distance: 10 m
Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3
Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector.		

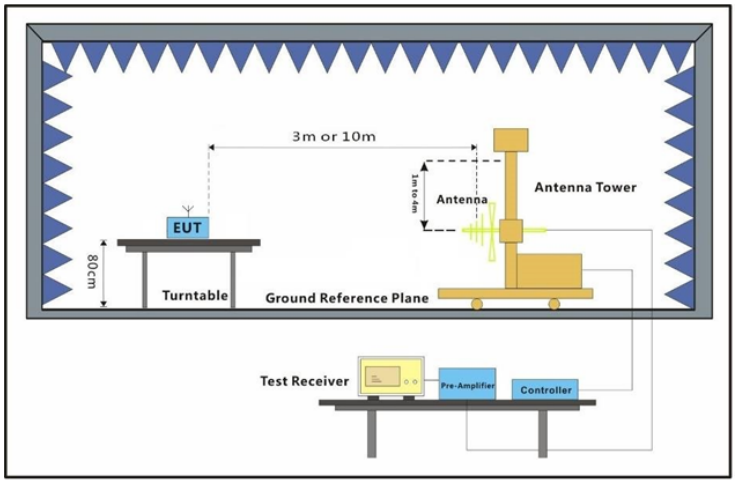
7.5.1 E.U.T. Operation

Operating Environment:
Temperature: 23.8 °C Humidity: 56.9 % RH Atmospheric Pressure: 1020 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	05	Charge mode_Keep the EUT charging(5W)
Pre-scan	06	Charge mode_Keep the EUT charging(7.5W)
Final test	07	Charge mode_Keep the EUT charging(10W)

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground for below 1GHz at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. 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.

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 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. 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.

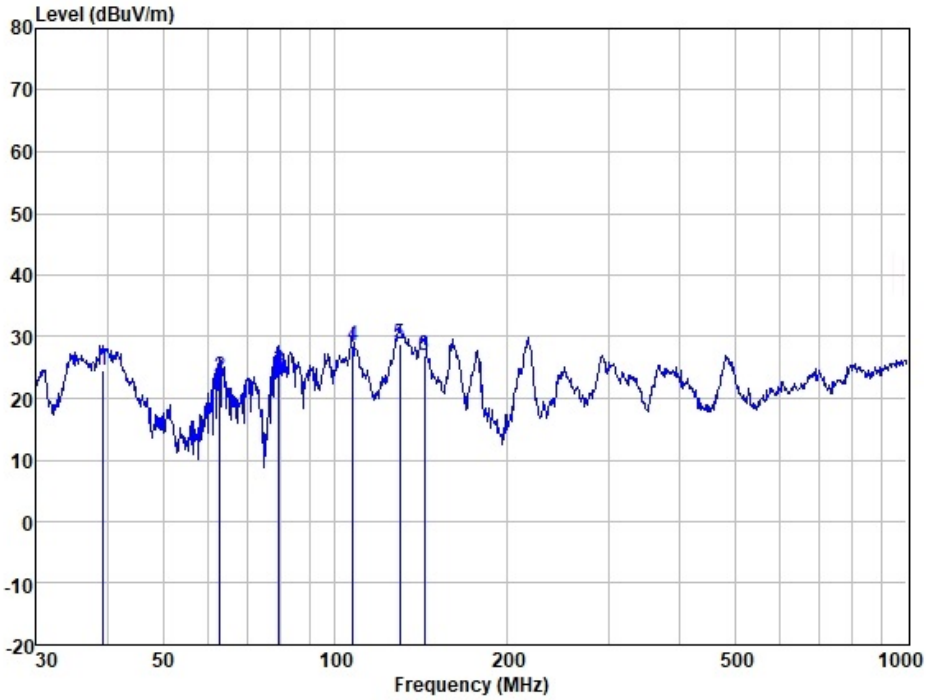
g. Test the EUT in the lowest channel,the middle channel,the Highest channel

h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode,And found the X axis positioning which it is worse case.

i. Repeat above procedures until all frequencies measured was complete.

Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Test Mode: 07; Polarity: Horizontal

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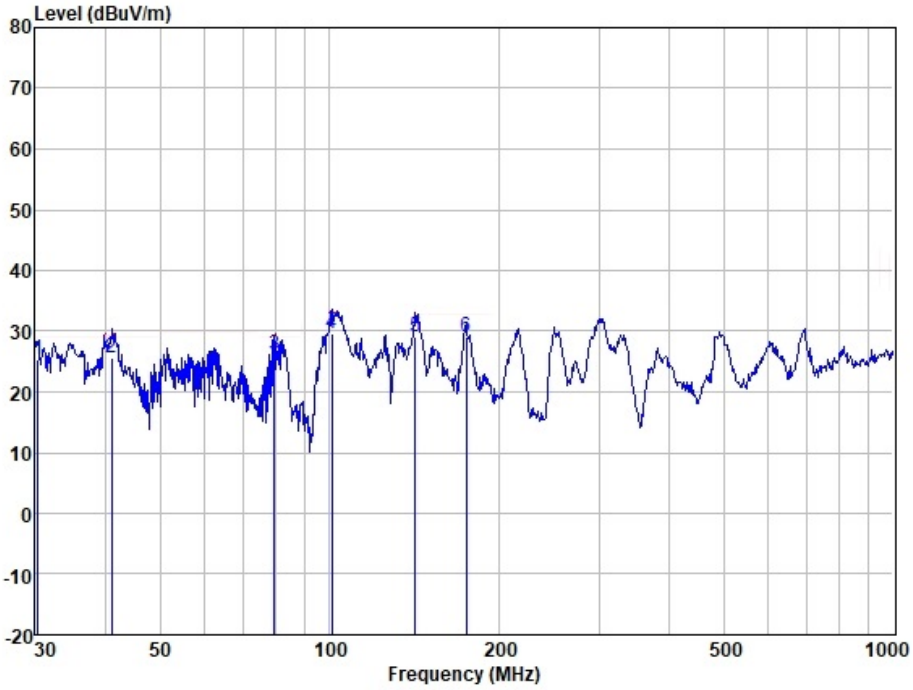
Site        : SGS
Job         :
Model       : M1
Power       :
Test Mode   :
```

	Freq	Read Level	Anterna Factor	Cable Loss	Preamp Factor	Measured Level	Limit Line	Over Limit	Pol/ Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	39.299	38.80	13.50	0.42	28.13	24.59			HORIZONTAL	QP
2	62.871	38.13	12.91	0.53	28.10	23.47			HORIZONTAL	QP
3	79.800	42.79	9.36	0.59	28.10	24.64			HORIZONTAL	QP
4	107.510	45.67	10.12	0.69	28.08	28.40			HORIZONTAL	QP
5	129.468	43.93	12.13	0.76	28.01	28.81			HORIZONTAL	QP
6	143.326	40.82	13.20	0.80	27.92	26.90			HORIZONTAL	QP

Frequency (MHz)	Level @10m (dBuV/m)	Limit @3m (dBuV/m)	Convert Factor (dB)	Level @ 3m (dBuV/m)	Over limit (dB)	Remark
39.299	24.59	40.00	-10.46	35.05	-4.95	QP
62.871	23.47	40.00	-10.46	33.93	-6.07	QP
79.8	24.64	40.00	-10.46	35.10	-4.90	QP
107.51	28.40	43.52	-10.46	38.86	-4.66	QP
129.468	28.81	43.52	-10.46	39.27	-4.25	QP
143.326	26.90	43.52	-10.46	37.36	-6.16	QP

Test Mode: 07; Polarity: Vertical




```
Site        : SGS
Job         :
Model       : M1
Power       :
Test Mode   :
```

	Freq	Read Level	Anterna Factor	Cable Loss	Preamp Factor	Measured Level	Limit Line	Over Limit	Pol/ Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	30.317	40.07	12.94	0.37	28.17	25.21			VERTICAL	QP
2	40.988	39.66	13.58	0.42	28.13	25.53			VERTICAL	QP
3	79.800	44.31	9.36	0.59	28.10	26.16			VERTICAL	QP
4	100.934	47.80	9.13	0.67	28.10	29.50			VERTICAL	QP
5	141.826	43.00	13.11	0.80	27.94	28.97			VERTICAL	QP
6	174.424	42.93	12.96	0.89	27.68	29.10			VERTICAL	QP

Frequency (MHz)	Level @10m (dBuV/m)	Limit @3m (dBuV/m)	Convert Factor (dB)	Level @ 3m (dBuV/m)	Over limit (dB)	Remark
30.317	25.21	40.00	-10.46	35.67	-4.33	QP
40.988	25.53	40.00	-10.46	35.99	-4.01	QP
79.8	26.16	40.00	-10.46	36.62	-3.38	QP
100.934	29.50	43.52	-10.46	39.96	-3.56	QP
141.826	28.97	43.52	-10.46	39.43	-4.09	QP
174.424	29.10	43.52	-10.46	39.56	-3.96	QP

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编：510663 t (86-20) 82155555 sgs.china@sgs.com

8 Test Setup Photo

Refer to Appendix - Test Setup Photos for report GZCR240200016102

SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch, Testing Center, EEC Laboratory.
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编：510663 t (86-20) 82155555 sgs.china@sgs.com

9 EUT Constructional Details (EUT Photos)

Refer to Appendix - External and Internal Photos for GZCR2402000161HS

- End of the Report -

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编：510663 t (86-20) 82155555 sgs.china@sgs.com