TEST REPORT

Application No.:	GZCR2204000360HS
Applicant:	Shenzhen Smoore Technology Limited
Address of Applicant:	No. 16, Dongcai Industrial Park, Gushu Village, Xixiang Town, Bao'An District, Shenzhen, China
Manufacturer:	Shenzhen Smoore Technology Limited
Address of Manufacturer:	No. 16, Dongcai Industrial Park, Gushu Village, Xixiang Town, Bao'An District, Shenzhen, China
Factory:	Shenzhen Smoore Technology Limited
Address of Factory:	No. 16, Dongcai Industrial Park, Gushu Village, Xixiang Town, Bao'An District, Shenzhen, China
Equipment Under Test (EUT):	
EUT Name:	Dry Herb Vaporizer
Model No.:	DB02(Cenote)
Trade Mark:	AUXO
Standard(s) :	47 CFR Part 15, Subpart C
Date of Receipt:	2022-04-06
Date of Test:	2022-06-14
Date of Issue:	2022-07-05
Test Result:	**Pass***

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

Kobe Jian
EMC Laboratory Manager

Revision Record			
Version	**Report No.**	**Date**	**Remark**
01	GZCR220400036004	2022-07-05	Original

Authorized for issue by				
		Lily Kuang **Lily Kuang/Project Engineer**		
		Ricky Liu **Ricky Liu/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**
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C	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
20dB Bandwidth		ANSI C63.10 (2013) Section 6.9.2	47 CFR Part 15, Subpart C 15.215	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.

3 Contents

4 General Information

4.1 Details of E.U.T.

Power supply:	DV 7.4 V powered by built-in battery as below for normal working:
	Model: W183535P-2S
	Rated: DC 7.4 V, 2050mAh, 15.17Wh
Ports:	Micro USB ports
Cable(s):	DC mains (unshielded, 1.1m)
Operation frequency:	112--146KHz
Wireless Output:	10W
Modulation type:	Load modulation
Antenna type:	Loop antenna
Hardware Version:	DB02_PWR_V1.2
Firmware Version:	V1.2
S/N:	SP-20220061001
Power Setting:	Default can not changed by user
Function:	Wireless charging client only

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
DC Power Adapter	XINYING	XY-800K	CE01
Wireless Charging Pad	SAMSUNG	EP-1100	RF7M506VG3ZCIS

4.3 Measurement Uncertainty

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

4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,

198 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663

Tel: +86 20 82155555 Fax: +86 20 82075059

No tests were sub-contracted.

4.5 Test Facility

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

- **NVLAP (Lab Code: 200611-0)**

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou EMC Laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP/NIST). NVLAP Code: 200611-0.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

- **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.

- **CNAS (Lab Code: L0167)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been assessed and in compliance with CNAS-CL01:2018 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2017 General Requirements) for the Competence of Testing Laboratories.

- **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

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	2020-09-09	2022-09-08
Shielding Room	ChangZhou ZhongYu	8m x 3m x 3.8m	EMC0306	2019-10-20	2022-10-19
Two-Line V-Network-GZ	Rohde & Schwarz	ENV216	EMC2135	2021-09-24	2022-09-23
EMI Test Receiver (9kHz-3.6GHz)	Rohde & Schwarz	ESR3	EMC2221	2022-06-01	2023-05-31
Test Software E3r	Audix	Ver.6.11812	GZE100-77	N/A	N/A

Restricted band					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
EXA Signal Analzer(10Hz-44GHz)	Agilent Technologies	N9010A	EMC2138	2020-09-17	2021-09-16
6dB Attenuator	HP	8491A	EMC2062	2020-04-15	2022-04-14
Test Software JS1120-3	HangTianXing	V2.6	GZE100-69	N/A	N/A
MI CABLE	SGS-EMC	0.8M	EMC2136	2019-11-02	2021-11-01

20dB Bandwidth					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
MI CABLE	SGS-EMC	0.8M	EMC2137	2021-11-02	2023-11-01
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2021-09-20	2022-09-19
4X4 Power sensor Unit	TST	TSPS2023R	EMC2226	2021-08-30	2022-08-29
Test Software	TST	V2.0	GZE100-78	N/A	N/A

Radiated Emissions (9kHz-30MHz)					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
10m Semi-Anechoic Chamber	ETS	N/A	EMC0530	2019-10-20	2022-10-19
Chamber cable	HangTianXing	N/A	EMC0542	2020-09-09	2022-09-08
Amplifier (9kHz-1.3GHz)	HP	8447F	EMC2065	2022-06-21	2023-06-20
Active Loop Antenna-RED	ETS-Lindgren	6502	EMC2190	2022-04-06	2024-04-05
EMI Test Receiver (1Hz-8GHz)	Rohde & Schwarz	ESW8	EMC2220	2022-05-20	2023-05-19
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A

Radiated Emissions (30MHz-1GHz)					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
10m Semi-Anechoic Chamber	ETS	N/A	EMC0530	2019-10-20	2022-10-19
Chamber cable	HangTianXing	N/A	EMC0542	2020-09-09	2022-09-08
Amplifier (9kHz-1.3GHz)	HP	8447F	EMC2065	2022-06-21	2023-06-20
EMI Test Receiver (1Hz-8GHz)	Rohde & Schwarz	ESW8	EMC2220	2022-05-20	2023-05-19
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A
Trilog Broadband Antenna (25MHz-1GHz)	SCHWARZBECK MESS-ELEKTRONIK	VULB 9168	SEM003-18	2022-03-03	2025-03-02

General used equipment					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
DMM	Fluke	73	EMC0006	2021-07-05	2022-07-05

No.198 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86–20) 82155555 f (86–20) 82075058 www.sgsgroup.com.cn
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86–20) 82155555 f (86–20) 82075058 sgs.china@sgs.com

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.

Antenna location: Please refer to internal photos.

7 Radio Spectrum Matter Test Results

7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement: 47 CFR Part 15, Subpart C 15.247

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.		
Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz		

7.1.1 E.U.T. Operation

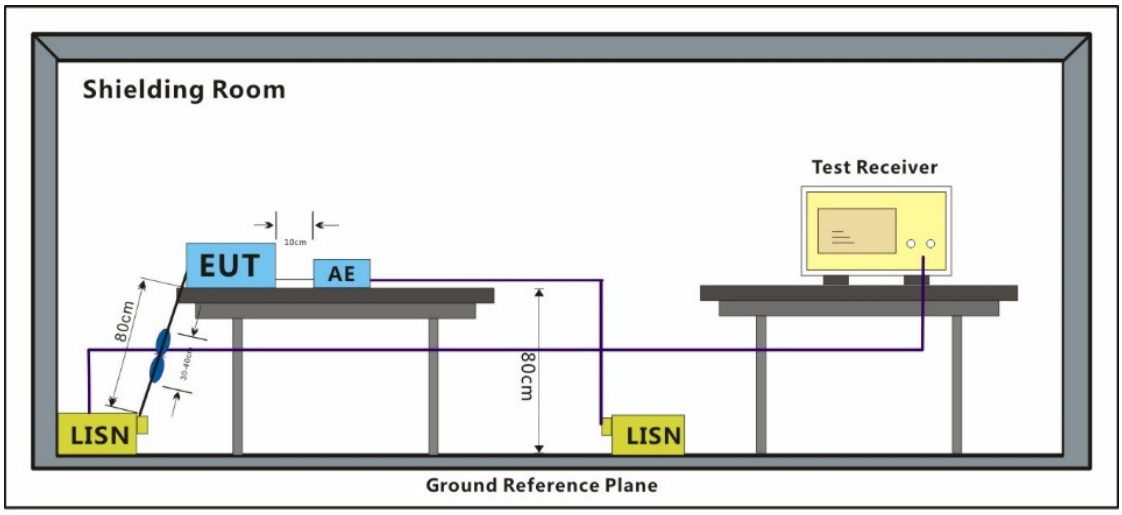
Operating Environment:

Temperature: 23.4 °C Humidity: 52 % RH Atmospheric Pressure: 1010 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	Charging mode_Keep the EUT charging(10W)
Remark:		Changing will take place when the charger is in contact with a phone only, no space is reserved/ designed for air because the structure of the EUT will automatically fix the device being charged closely.

7.1.3 Test Setup Diagram



7.1.4 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.

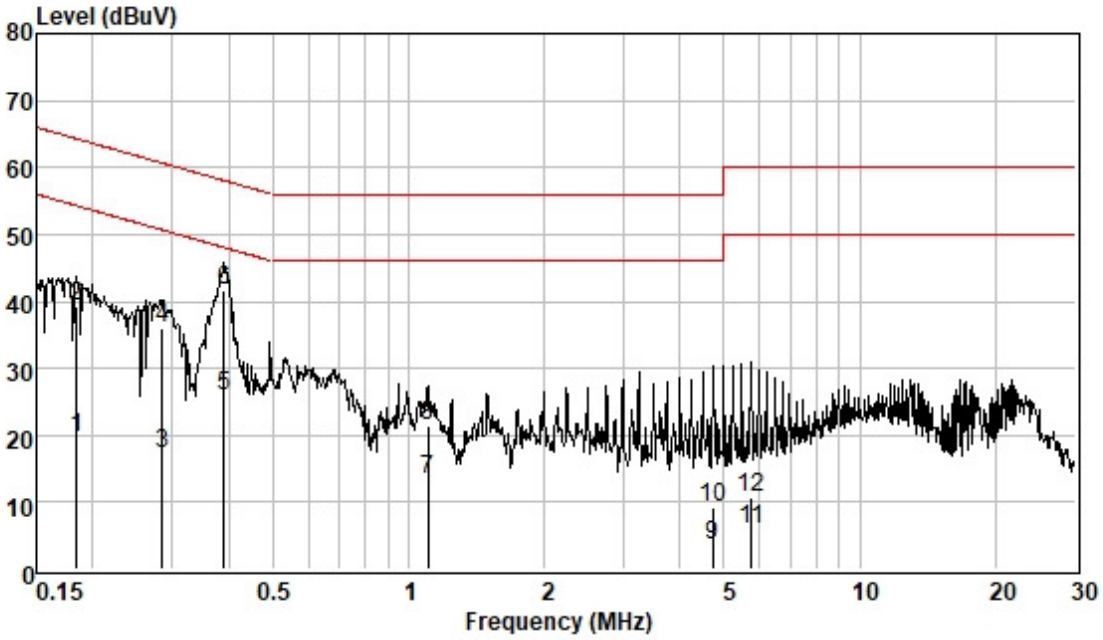
3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.

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: LISN=Read Level+ Cable Loss+ LISN Factor

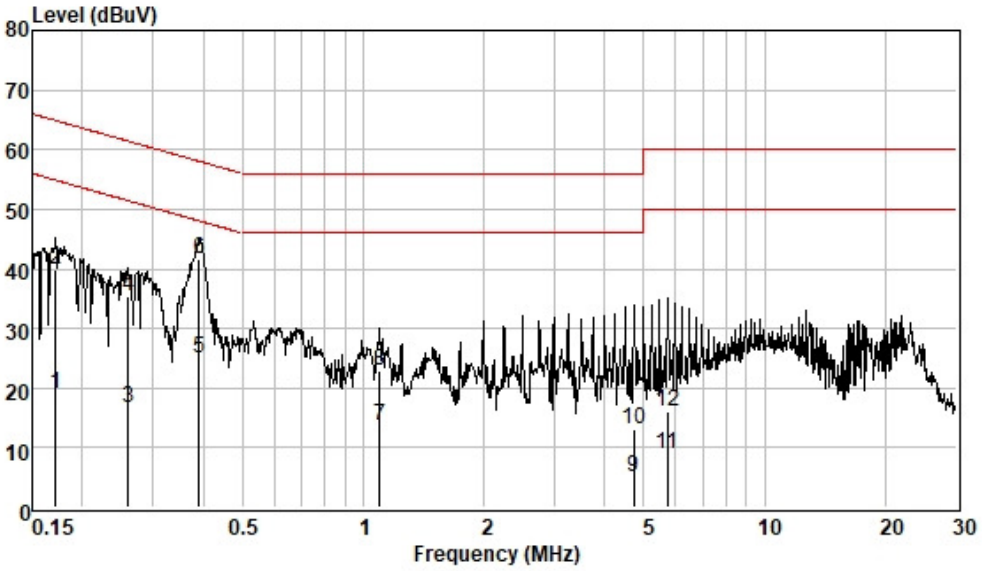
Test Mode: 01; Line: Live line



Pol :LINE
Mode :
Model :

	Frequenc MHz	Read Level dBuV	Cable Loss dB	LISN Factor dB	Measured Level dBuV	Limit Line dBuV	Over Limit dB	Remark
1	0.184	10.14	0.06	9.56	19.76	54.28	-34.52	Average
2	0.184	29.73	0.06	9.56	39.35	64.28	-24.93	QP
3	0.285	7.73	0.06	9.57	17.36	50.68	-33.32	Average
4	0.285	26.34	0.06	9.57	35.97	60.68	-24.71	QP
5	0.391	16.14	0.06	9.58	25.78	48.03	-22.25	Average
6	0.391	32.06	0.06	9.58	41.70	58.03	-16.33	QP
7	1.106	3.71	0.08	9.60	13.39	46.00	-32.61	Average
8	1.106	11.64	0.08	9.60	21.32	56.00	-34.68	QP
9	4.721	-6.29	0.18	9.65	3.54	46.00	-42.46	Average
10	4.721	-0.64	0.18	9.65	9.19	56.00	-46.81	QP
11	5.744	-4.02	0.19	9.70	5.87	50.00	-44.13	Average
12	5.744	0.90	0.19	9.70	10.79	60.00	-49.21	QP

Test Mode: 01; Line: Neutral Line



Pol :NEUTRAL
Mode :
Model :

	Frequenc MHz	Read Level dBuV	Cable Loss dB	LISN Factor dB	Measured Level dBuV	Limit Line dBuV	Over Limit dB	Remark
1	0.171	9.37	0.06	9.54	18.97	54.90	-35.93	Average
2	0.171	30.29	0.06	9.54	39.89	64.90	-25.01	QP
3	0.260	6.92	0.06	9.56	16.54	51.42	-34.88	Average
4	0.260	25.89	0.06	9.56	35.51	61.42	-25.91	QP
5	0.391	15.43	0.06	9.58	25.07	48.03	-22.96	Average
6	0.391	32.05	0.06	9.58	41.69	58.03	-16.34	QP
7	1.100	3.93	0.08	9.59	13.60	46.00	-32.40	Average
8	1.100	13.18	0.08	9.59	22.85	56.00	-33.15	QP
9	4.721	-4.65	0.18	9.65	5.18	46.00	-40.82	Average
10	4.721	3.30	0.18	9.65	13.13	56.00	-42.87	QP
11	5.713	-0.84	0.19	9.70	9.05	50.00	-40.95	Average
12	5.713	6.03	0.19	9.70	15.92	60.00	-44.08	QP

7.2 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

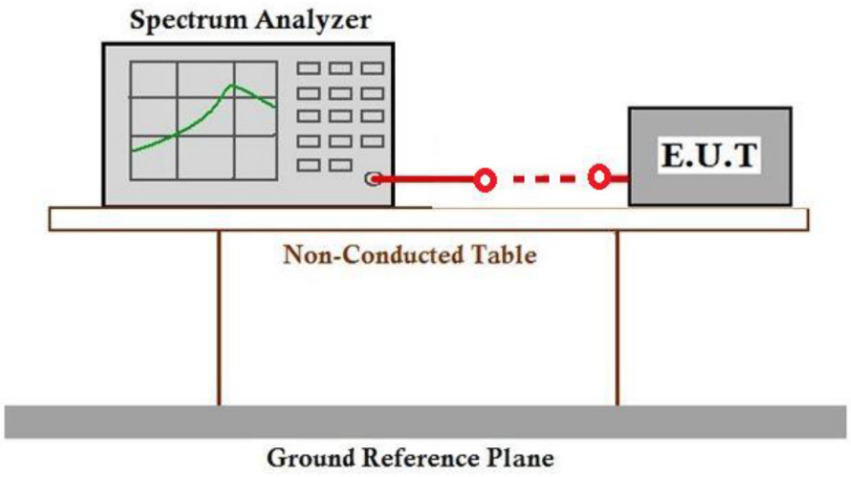
7.2.1 E.U.T. Operation

Operating Environment:
Temperature: 20.3 °C Humidity: 55.0 % RH Atmospheric Pressure: 1014 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	Charge mode_Keep the EUT charging

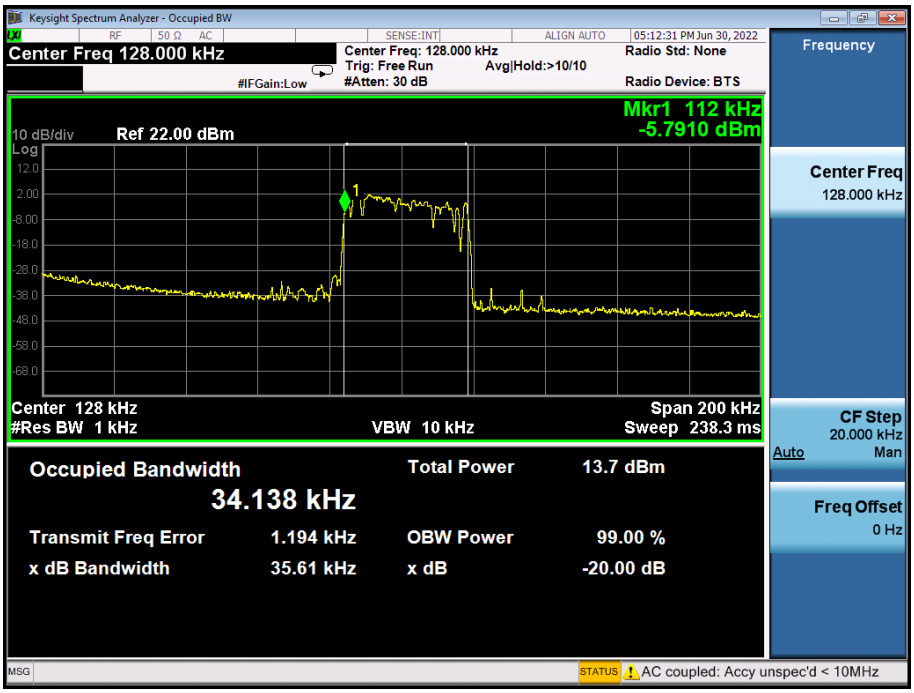
7.2.3 Test Setup Diagram

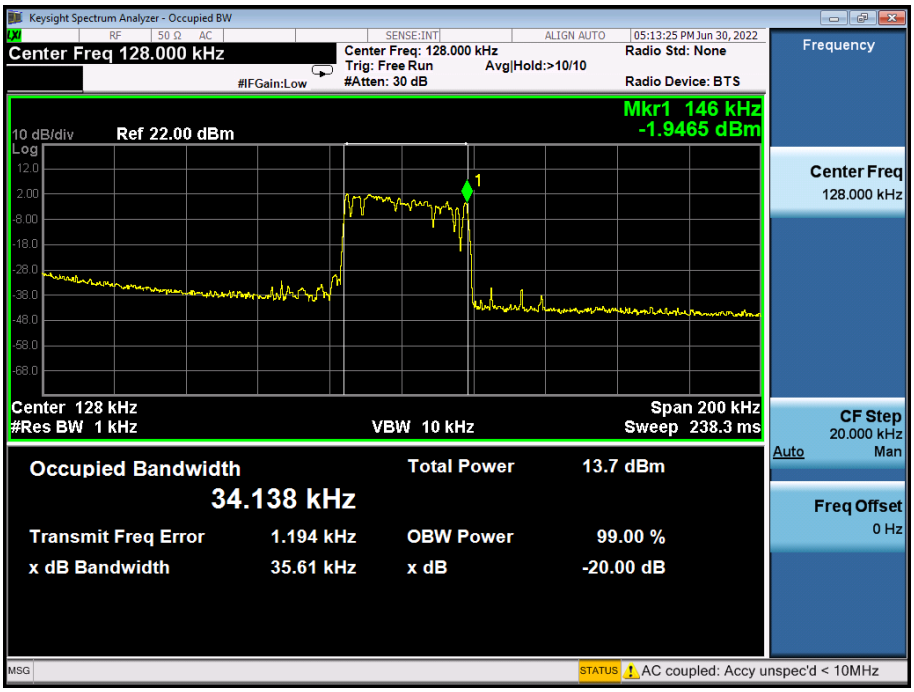


7.2.4 Measurement Procedure and Data

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 90kHz-110kHz, the field strength also meet the 15.209 requirement, please refer to clause 7.4.





7.3 20dB Bandwidth

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

7.3.1 E.U.T. Operation

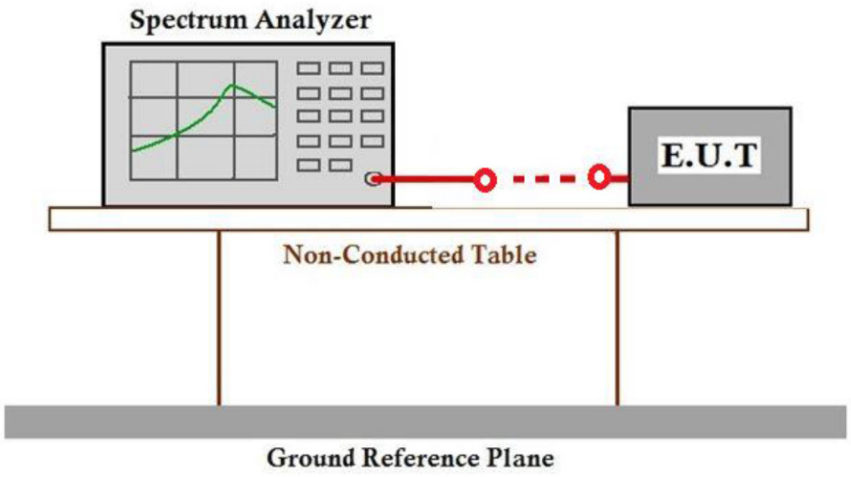
Operating Environment:

Temperature: 24 °C Humidity: 54 % RH Atmospheric Pressure: 1010 mbar

7.3.2 Test Mode Description

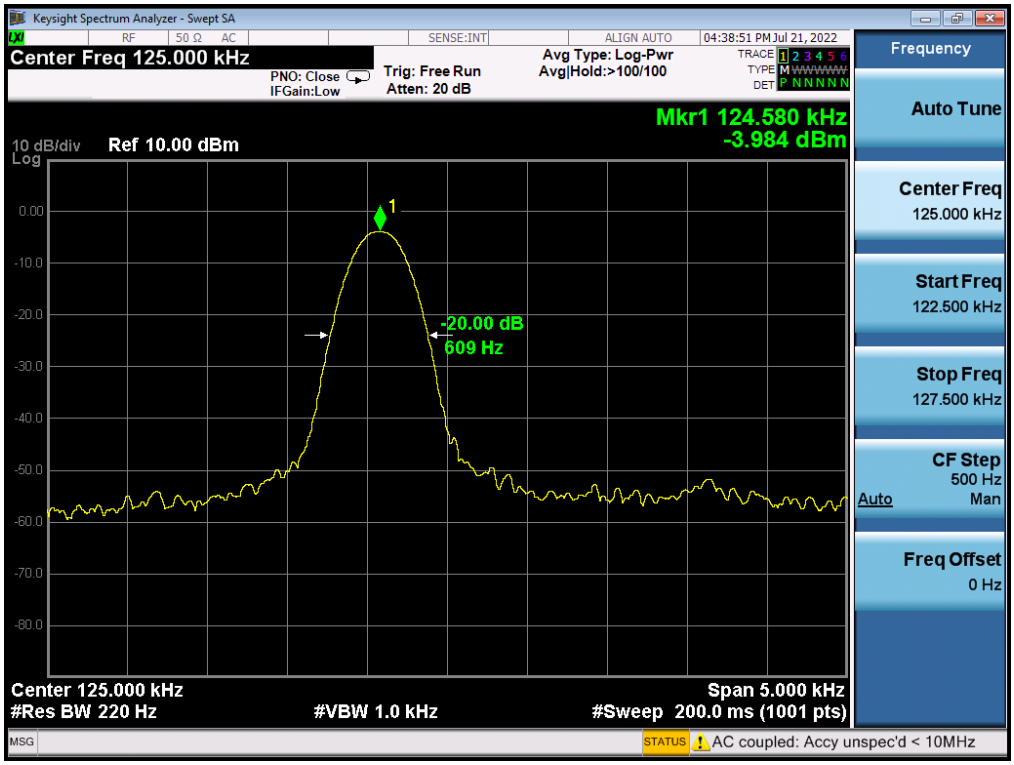
Pre-scan / Final test	Mode Code	Description
Final test	05	Charge mode_Keep the EUT charging

7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

Test Mode: 05



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: 3m
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.

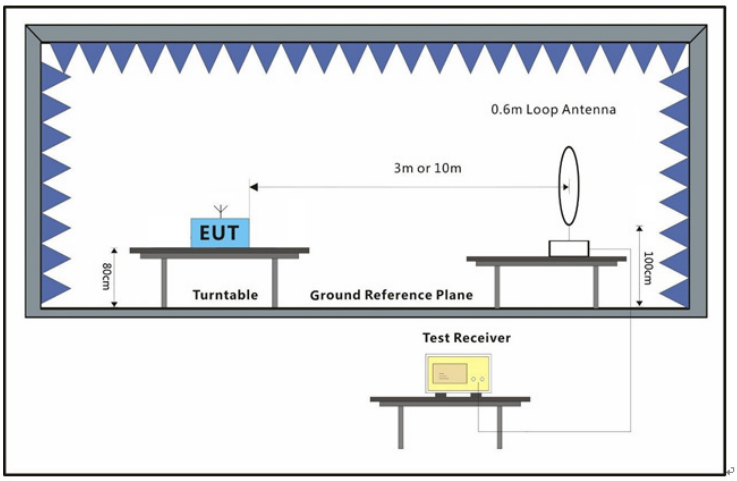
7.4.1 E.U.T. Operation

Operating Environment:
Temperature: 25.0 °C Humidity: 52 % RH Atmospheric Pressure: 1005 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	Charge mode_Keep the EUT charging

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;

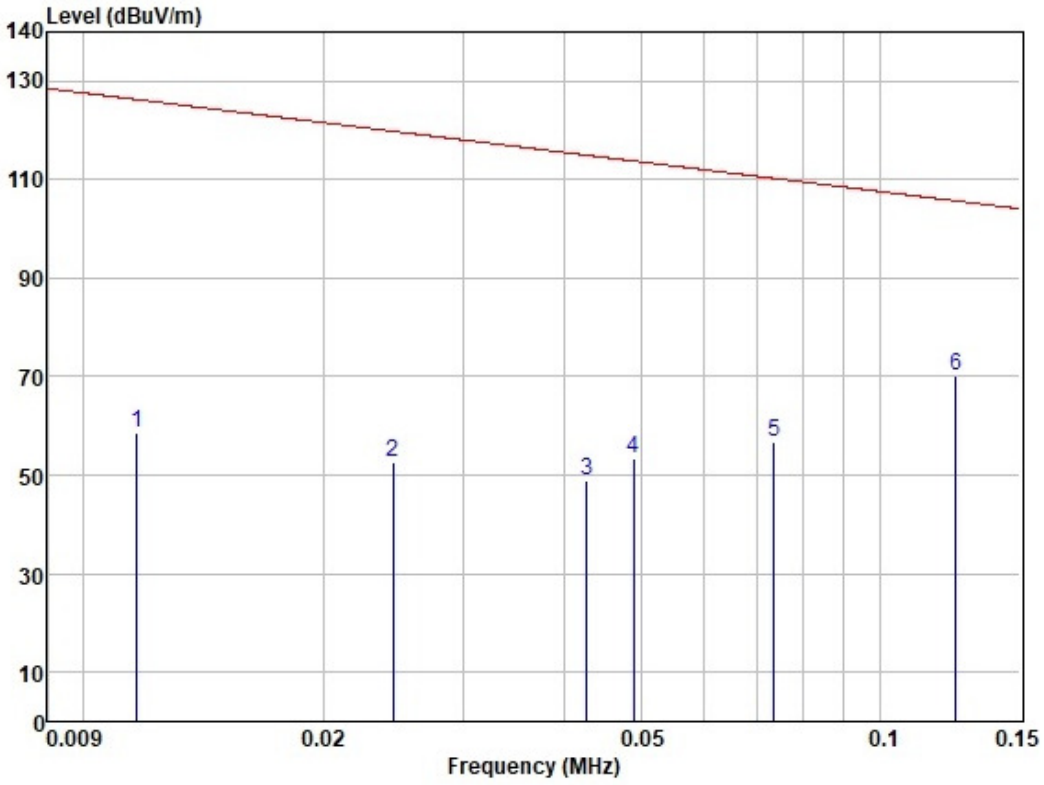
ii. the projection of its centre onto the ground plane shall be at the specified measurement distance from the projection on the ground plane of the closest point on the boundary of the equipment under test (EUT); and

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).

Test Mode: 05; Polarity: coaxial

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Site          : SGS
Job           :
Model         :
Power         :
Test Mode     : WIRELESS CHARGING
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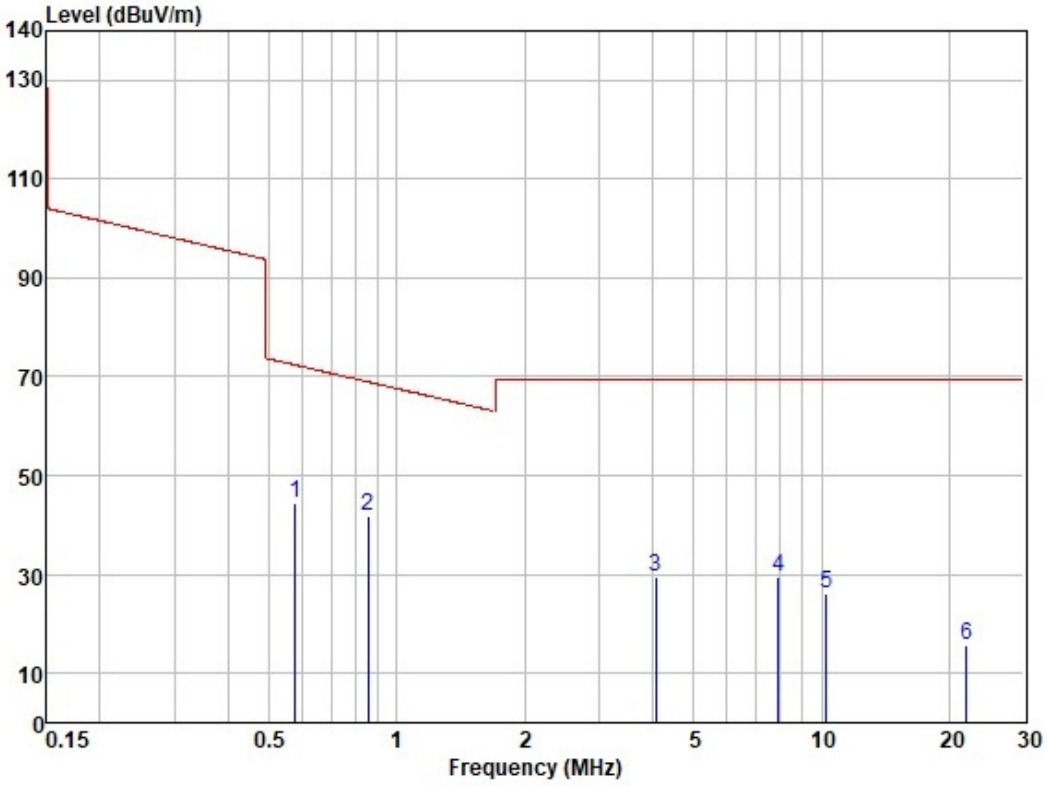
	Freq	Read Level	Anterna Factor	Cable Loss	Preamp Factor	Measured Level	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	
1	0.012	68.95	17.91	0.05	28.35	58.56	QP
2	0.024	67.66	13.58	0.05	28.60	52.69	QP
3	0.043	65.73	12.38	0.05	29.19	48.97	QP
4	0.049	70.49	12.21	0.05	29.24	53.51	QP
5	0.074	74.07	12.00	0.05	29.35	56.77	QP
6	0.125	87.49	11.93	0.05	29.40	70.07	QP

Frequency (MHz)	Level @3m (dBuV/m)	Limit @300m (dBuV/m)	Convert Factor (dB)	Level @ 300m (dBuV/m)	Over limit (dB)
0.012	58.56	46.02	80	-21.44	-67.46
0.024	52.69	40.00	80	-27.31	-67.31
0.043	48.97	34.94	80	-31.03	-65.97
0.049	53.51	33.80	80	-26.49	-60.29
0.074	56.77	30.22	80	-23.23	-53.45
0.125*	70.07	25.67	80	-9.93	-35.6

*Remark: The point is the fundamental of the EUT.

Test Mode: 05; Polarity: coaxial

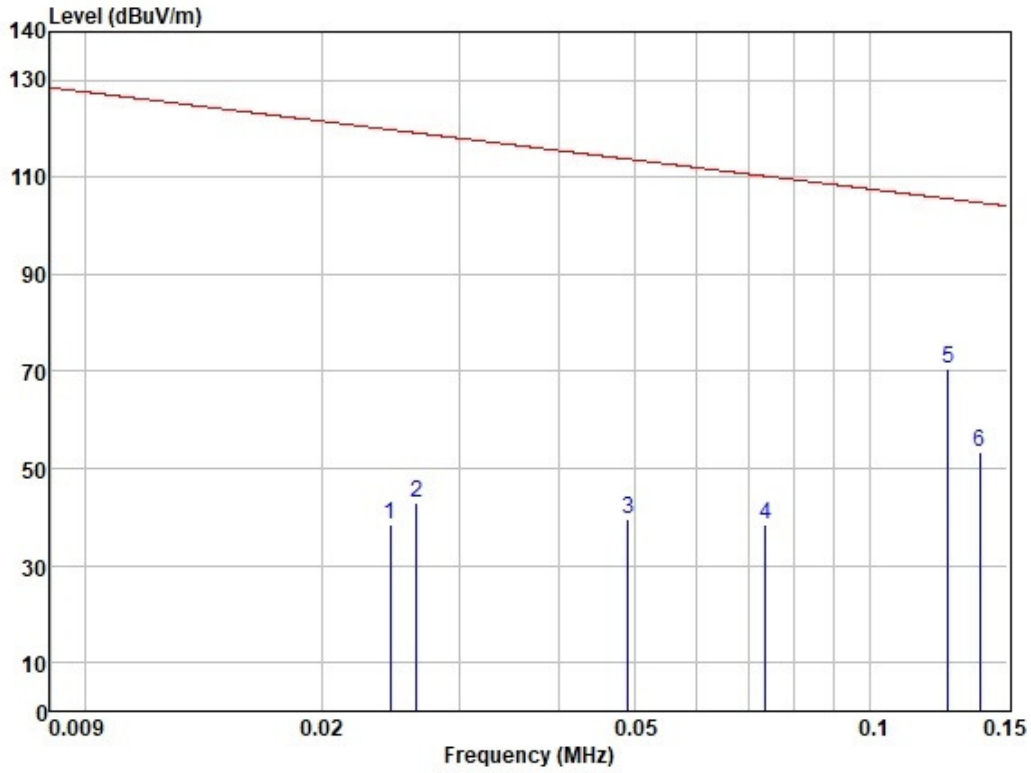



```
Site         : SGS
Job          :
Model        :
Power        :
Test Mode    : WIRELESS CHARGING
```

	Freq	Read Level	Anterna Factor	Cable Loss	Preamp Factor	Measured Level	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	
1	0.576	61.90	11.81	0.10	29.40	44.41	QP
2	0.857	59.34	11.85	0.12	29.40	41.91	QP
3	4.070	46.75	11.65	0.34	29.31	29.43	QP
4	7.935	46.39	11.74	0.48	29.30	29.31	QP
5	10.288	44.41	10.50	0.52	29.30	26.13	QP
6	21.946	35.54	8.37	0.80	29.16	15.55	QP

Frequency (MHz)	Level @3m (dBuV/m)	Limit @30m (dBuV/m)	Convert Factor (dB)	Level @ 30m (dBuV/m)	Over limit (dB)
0.576	44.41	32.40	40	4.41	-27.99
0.857	41.91	28.95	40	1.91	-27.04
4.070	29.43	29.54	40	-10.57	-40.11
7935	29.31	29.54	40	-10.69	-40.23
10.288	26.31	29.54	40	-13.69	-43.23
21.946	15.55	29.54	40	-24.45	-53.99

Test Mode: 05; Polarity: coplanar



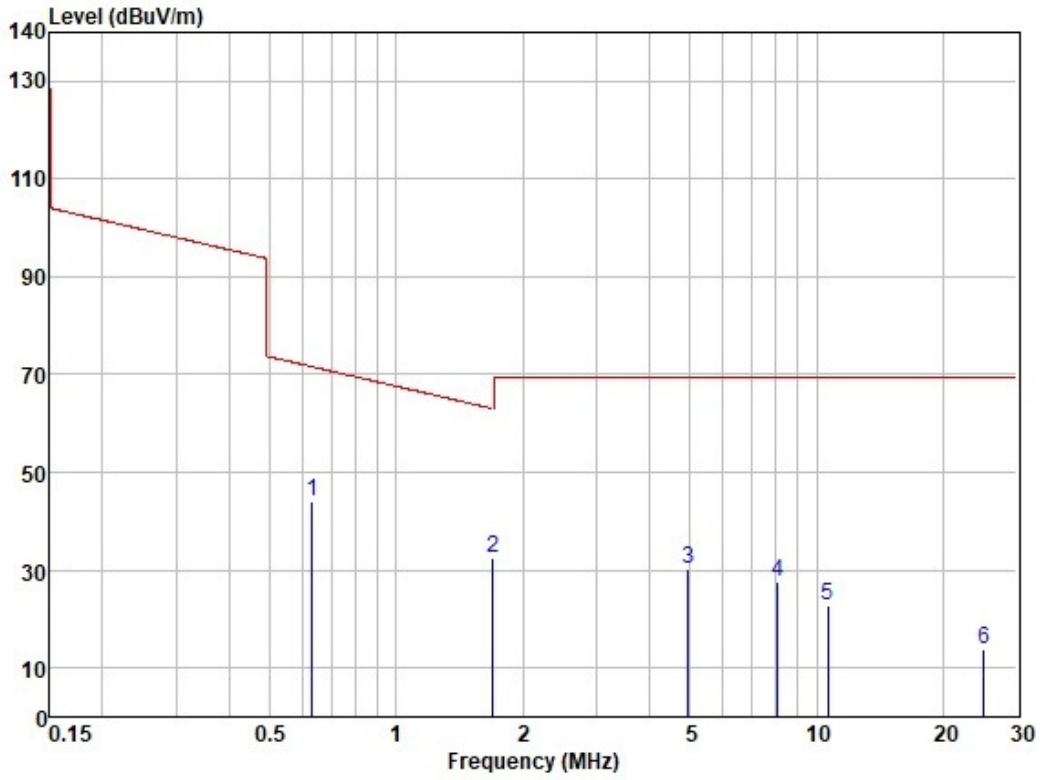
Site : SGS
Job :
Model :
Power :
Test Mode : WIRELESS CHARGING

	Freq	Read Level	Anterna Factor	Cable Loss	Preamp Factor	Measured Level	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	
1	0.024	53.50	13.58	0.05	28.60	38.53	QP
2	0.026	58.26	13.23	0.05	28.67	42.87	QP
3	0.049	56.63	12.21	0.05	29.24	39.65	QP
4	0.074	55.92	12.00	0.05	29.35	38.62	QP
5	0.126	88.01	11.93	0.05	29.40	70.59	QP
6	0.138	70.76	11.91	0.05	29.40	53.32	QP

Frequency (MHz)	Level @3m (dBuV/m)	Limit @300m (dBuV/m)	Convert Factor (dB)	Level @ 300m (dBuV/m)	Over limit (dB)
0.024	38.53	40.00	80	-41.47	-81.47
0.026	42.87	39.31	80	-37.13	-76.44
0.049	39.65	33.80	80	-40.35	-74.15
0.074	38.62	30.22	80	-41.38	-71.6
0.126*	70.59	25.60	80	-9.41	-35.01
0.138	53.32	24.80	80	-26.68	-51.48

*Remark: The point is the fundamental of the EUT.

Test Mode: 05; Polarity: coplanar




```
Site          : SGS
Job           :
Model         :
Power         :
Test Mode     : WIRELESS CHARGING
```

	Freq	Read Level	Anterna Factor	Cable Loss	Preamp Factor	Measured Level	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	
1	0.630	61.41	11.81	0.11	29.40	43.93	QP
2	1.698	49.86	11.84	0.18	29.40	32.48	QP
3	4.952	47.75	11.43	0.35	29.30	30.23	QP
4	8.062	44.76	11.67	0.48	29.30	27.61	QP
5	10.620	41.25	10.46	0.53	29.29	22.95	QP
6	25.055	34.29	7.80	0.93	29.10	13.92	QP

Frequency (MHz)	Level @3m (dBuV/m)	Limit @30m (dBuV/m)	Convert Factor (dB)	Level @ 30m (dBuV/m)	Over limit (dB)
0.630	43.93	30.22	40	3.93	-26.29
1.698	32.48	22.21	40	-7.52	-29.73
4.952	30.23	29.54	40	-9.77	-39.31
8.062	27.61	29.54	40	-12.39	-41.93
10.620	22.95	29.54	40	-17.05	-46.59
25.055	13.92	29.54	40	-26.08	-55.62

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

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

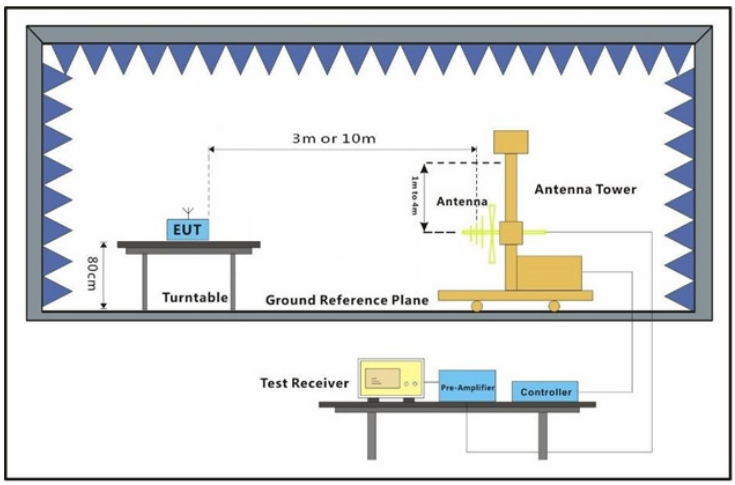
Operating Environment:

Temperature: 25.0 °C Humidity: 52 % RH Atmospheric Pressure: 1005 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	Charge mode_Keep the EUT charging

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.

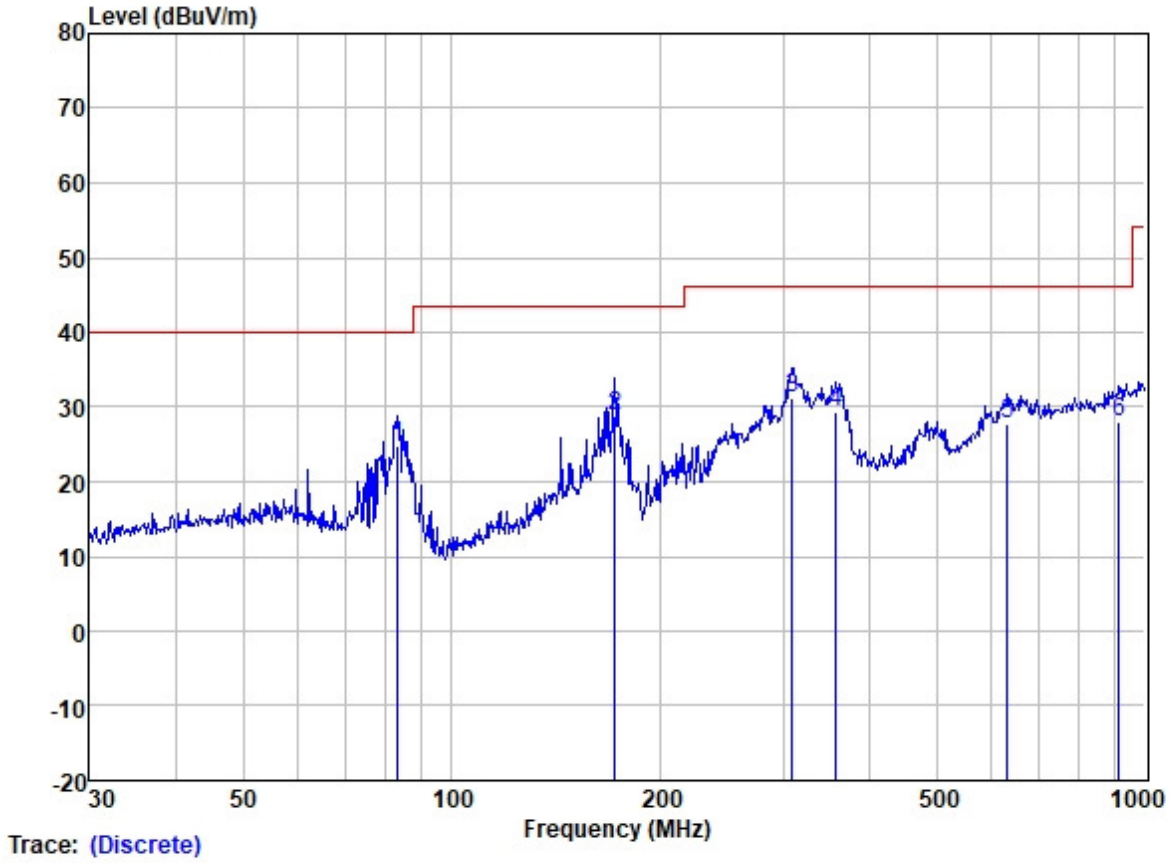
g. Test the EUT in the lowest channel,the middle channel,the Highest channel

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: 04; Polarity: Horizontal

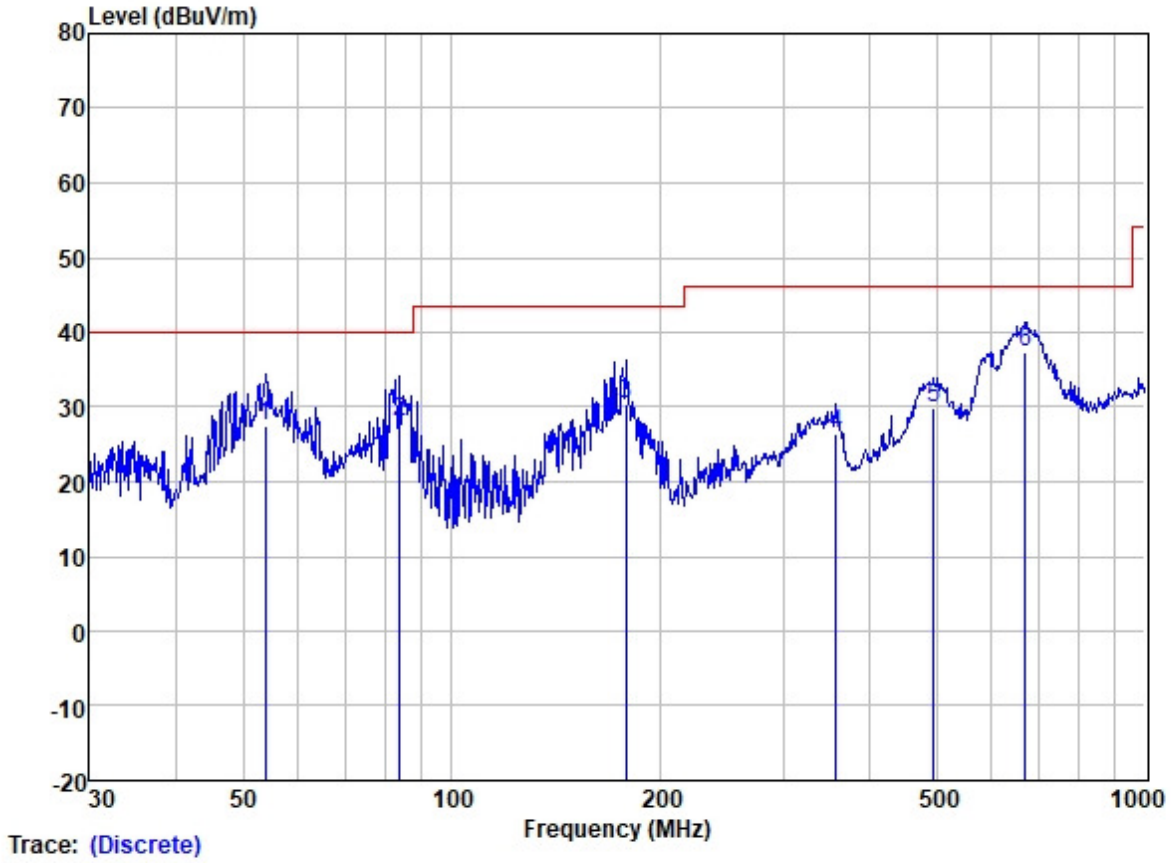


Trace: (Discrete)

Site : SGS
Job :
Model :
Power :
Test Mode : WIRELESS CHARGING

	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	83.522	42.29	8.12	1.51	27.01	24.91	40.00	-15.09	HORIZONTAL	QP
2	171.995	40.40	12.58	2.40	26.64	28.74	43.50	-14.76	HORIZONTAL	QP
3	309.998	41.14	13.46	3.23	26.55	31.28	46.00	-14.72	HORIZONTAL	QP
4	357.929	38.19	14.35	3.70	26.98	29.26	46.00	-16.74	HORIZONTAL	QP
5	631.688	30.64	19.98	5.33	28.17	27.78	46.00	-18.22	HORIZONTAL	QP
6	916.069	24.88	23.73	6.96	27.67	27.90	46.00	-18.10	HORIZONTAL	QP

Test Mode: 04; Polarity: Vertical



Trace: (Discrete)

Site : SGS
Job :
Model :
Power :
Test Mode : WIRELESS CHARGING

	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	53.693	39.90	13.48	1.17	27.10	27.45	40.00	-12.55	VERTICAL	QP
2	84.110	45.54	8.04	1.53	27.01	28.10	40.00	-11.90	VERTICAL	QP
3	178.133	42.68	11.88	2.44	26.63	30.37	43.50	-13.13	VERTICAL	QP
4	357.929	35.31	14.35	3.70	26.98	26.38	46.00	-19.62	VERTICAL	QP
5	495.934	35.90	17.59	4.39	27.89	29.99	46.00	-16.01	VERTICAL	QP
6	670.489	39.20	20.56	5.65	28.12	37.29	46.00	-8.71	VERTICAL	QP

8 Test Setup Photo

Refer to Appendix - Test Setup Photos for report GZCR220400036004

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9 EUT Constructional Details (EUT Photos)

Refer to Appendix - External and Internal Photos for GZCR2204000360HS

- End of the Report -

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