

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

Telephone: +86 (0) 20 82155555
Fax: +86 (0) 20 82075059
Email: ee.guangzhou@sgs.com

Report No.: GZEM181200013204
Page: 1 of 21
FCC ID: PUU-CPLGSTDBLW1

TEST REPORT

Application No.: GZEM1905013079CR
Applicant: GE Lighting
Address of Applicant: Nele park, Cleveland, OH 44112
Manufacturer: GE Lighting
Address of Manufacturer: Nele park, Cleveland, OH 44112
Factory: Nanchang Innotech Techonology Co.,Ltd
Address of Factory: No.399, Rule Lake Avenue, Nanchang Airport Economic Zone, Nanchang, China

Equipment Under Test (EUT):

FCC ID: PUU-CPLGSTDBLW1

EUT Name: Smart Plug
Model No.: CPLGSTDBLW1
Trade Mark: GE
Standard(s) : 47 CFR Part 15, Subpart C 15.247
Date of Receipt: 2019-05-27
Date of Test: 2019-05-30 to 2019-06-02
Date of Issue: 2019-03-04 (for original report GZEM181200013201)
2019-06-12 (for the report GZEM181200013204)

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives.



Kobe Jian

Lab Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.



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Report No.: GZEM181200013204
Page: 2 of 21

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2019-03-04		Original
02		2019-06-12		Copy report: product upgrading

Authorized for issue by:			
Tested By		Kevin_Zhang /Project Engineer	2019-05-30 to 2019-06-02
Checked By		Ricky_Liu /Reviewer	2019-06-12
			Date
			Date

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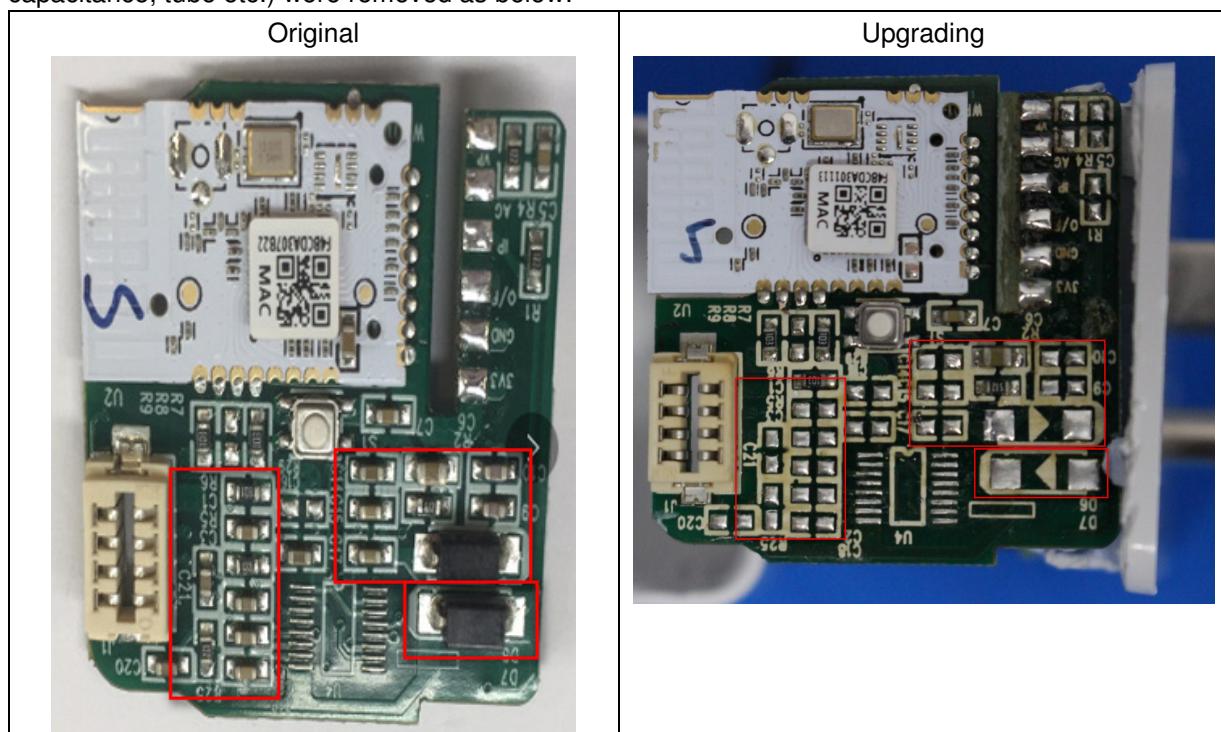
2 Test Summary

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass
Radiated Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.4,6.5,6.6	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass

Remark for the report GZEM181200013204:

This test report (Ref. No.: GZEM181200013204) is only valid with the original test report (Ref. No.: GZEM181200013201). Only product upgrading.

According to the declaration from the applicant, the upgraded product in this report and the original product in original report were identical, only difference being some components (resistance, capacitance, tube etc.) were removed as below:



Therefore, only Conducted Emissions at AC Power Line (150kHz-30MHz) and Radiated Spurious Emissions were retested. Only new data was kept in this report GZEM181200013204, for original data please refer to GZEM181200013201 for more details. It is meet the requirement of FCC class I permission change process based on the retest data.

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3 Contents

	Page
1 Cover Page	1
2 Test Summary	3
3 Contents	4
4 General Information	5
4.1 Details of E.U.T	5
4.2 Environment parameter	5
4.3 Description of Support Units	7
4.4 Measurement Uncertainty	7
4.5 Test Location	7
4.6 Test Facility	8
4.7 Deviation from Standards	9
4.8 Abnormalities from Standard Conditions	9
5 Equipment List	10
6 Radio Spectrum Matter Test Results	12
6.1 Conducted Emissions at AC Power Line (150kHz-30MHz)	12
6.1.1 E.U.T. Operation	13
6.1.2 Test Setup Diagram	13
6.1.3 Measurement Procedure and Data	13
6.2 Radiated Spurious Emissions	16
6.2.1 E.U.T. Operation	17
6.2.2 Test Setup Diagram	17
6.2.3 Measurement Procedure and Data	19

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4 General Information

4.1 Details of E.U.T.

Power Supply:	AC 120V 60Hz
Test Voltage:	AC 120V 60Hz
Cable:	N/A
Antenna Gain	-0.06dBi
Antenna Type	Integrated Antenna
Channel Spacing	2MHz
Modulation Type	GFSK
Number of Channels	40
Operation Frequency	2402MHz to 2480MHz

4.2 Environment parameter

Environment Parameter	Selected Values During Tests	
Relative Humidity	Ambient	
Value	Temperature(°C)	Voltage(V)
TNVN	25	120
TLVN	-10	120
THVN	45	120

Note:

1) VN: Normal Voltage
TN: Normal Temperature
TL: Low Extreme Test Temperature
TH: High Extreme Test Temperature

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Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz
2	2406MHz	12	2426MHz	22	2446MHz	32	2466MHz
3	2408MHz	13	2428MHz	23	2448MHz	33	2468MHz
4	2410MHz	14	2430MHz	24	2450MHz	34	2470MHz
5	2412MHz	15	2432MHz	25	2452MHz	35	2472MHz
6	2414MHz	16	2434MHz	26	2454MHz	36	2474MHz
7	2416MHz	17	2436MHz	27	2456MHz	37	2476MHz
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz

Using test software was control EUT work in continuous transmitter and receiver mode.and select test channel as below:

Channel	Frequency
The lowest channel (CH0)	2402MHz
The middle channel (CH19)	2440MHz
The highest channel (CH39)	2480MHz

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4.3 Description of Support Units

The EUT has been tested as an independent unit.

4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	$\pm 5.5 \times 10^{-8}$
2	Duty cycle	$\pm 0.57\%$
3	Occupied Bandwidth	$\pm 3\%$
4	RF Conducted power	$\pm 0.68\text{dB}$
5	RF Power Density	$\pm 1.50\text{dB}$
6	Conducted Spurious Emissions	$\pm 1.04\text{dB}$
7	RF Radiated Power	$\pm 4.5\text{dB}$ (below 1GHz)
		$\pm 4.8\text{dB}$ (above 1GHz)
8	Radiated Spurious Emission Test	$\pm 4.5\text{dB}$ (30MHz-1GHz)
		$\pm 4.8\text{dB}$ (1GHz-18GHz)
9	Temperature	$\pm 0.4^\circ\text{C}$
10	Humidity	$\pm 1.3\%$
11	Supply Voltages	$\pm 1.5\%$
12	Time	$\pm 3\%$

4.5 Test Location

All tests were performed at:

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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.

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4.6 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 C-Tick mark as a result of our NVLAP accreditation.

● 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-CL01:2006 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of Testing Laboratories.

● FCC Recognized 2.948 Listed Test Firm(Registration No.: 282399)

SGS-CSTC Standards Technical Services 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. Registration 282399, May 31, 2002.

● 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, Jul 13, 2017.

● Industry Canada (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-10449 and T-11179)

The 10m Semi-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-10449 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 17025:2005, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.



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4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None



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5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Shielding Room	Zhong Yu	8m x 3m x 3.8m	EMC0306	N/A	N/A
Two-Line V-Netwok	R&S	ENV216	EMC0118	2019-01-11	2020-01-10
LISN	R&S	ENV216	EMC2135	2018-09-21	2019-09-20
EMI Test Receiver	Rohde & Schwarz	ESCS30	EMC0506	2018-11-19	2019-11-18
Coaxial Cable	HangTianXing	2m	EMC0107	2017-07-23	2019-07-22
Voltage Probe	SGS	N/A	EMC0106	2018-04-04	2020-04-03
Conical Metal Housing	SGS-EMC	N/A	EMC0167	2018-04-19	2020-04-18
Test Software E3c	Audix	Ver. 5.4.1221b	GZE100-62	N/A	N/A

Radiated Spurious Emissions					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EMI Test Receiver	Rohde & Schwarz	ESIB26	EMC0522	2019-01-20	2020-01-19
EMI Test Receiver	Rohde & Schwarz	ESCI	EMC0056	2019-01-20	2020-01-19
Chamber cable	HangTianXing	N/A	EMC0542	2017-06-30	2019-06-30
Trilog Broadband Antenna 30MHz-1GHz	SCHWARZBECKME SS-ELEKTRONIK	VULB 9160	EMC2025	2016-09-08	2019-09-07
Bi-log Type Antenna	Schaffner -Chase	CBL6112B	EMC0524	2016-09-08	2019-09-07
Bi-log Type Antenna	Schaffner -Chase	CBL6143	EMC0519	2017-05-04	2020-05-03
Horn Antenna 1GHz-18GHz	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2016-09-09	2019-09-08
1GHz-26.5 GHz Pre-Amplifier	Agilent	8449B	EMC0521	2019-01-07	2020-01-08
Amplifier	HP	8447F	EMC2065	2019-05-29	2020-05-28
Pre-Amplifier MH648A	ANRITSU CORP	MH648A	EMC2086	2018-11-19	2019-11-18
Active Loop Antenna	EMCO	6502	EMC0523	2018-03-05	2020-03-04
High Pass Filter(915MHz)	FSY MICROWAVE	HM1465-9SS	EMC2079	2019-01-11	2020-01-10
2.4GHz Filter	Micro-Tronics	BRM 50702	EMC2069	2019-01-11	2020-01-10
10m Semi-Anechoic Chamber	ETS	N/A	EMC0530	2017-06-18	2019-06-18
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2017-12-19	2019-12-18
MXE EMI Receiver	Keysight	N9038A	EMC2139	2018-11-19	2019-11-18
EXA Signal Analyzer	Keysight	N9010A	EMC2138	2018-11-19	2019-11-18
Trilog Broadband Antenna 30MHz-1GHz	SCHWARZBECKME SS-ELEKTRONIK	VULB 9168	SEM003-18	2016-06-29	2019-06-28
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A

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General used equipment

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DMM	Fluke	73	EMC0006	2018-07-20	2019-07-19
DMM	Fluke	73	EMC0007	2018-07-19	2019-07-18



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6 Radio Spectrum Matter Test Results

6.1 Conducted Emissions at AC Power Line (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(dB μ V)	
	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.

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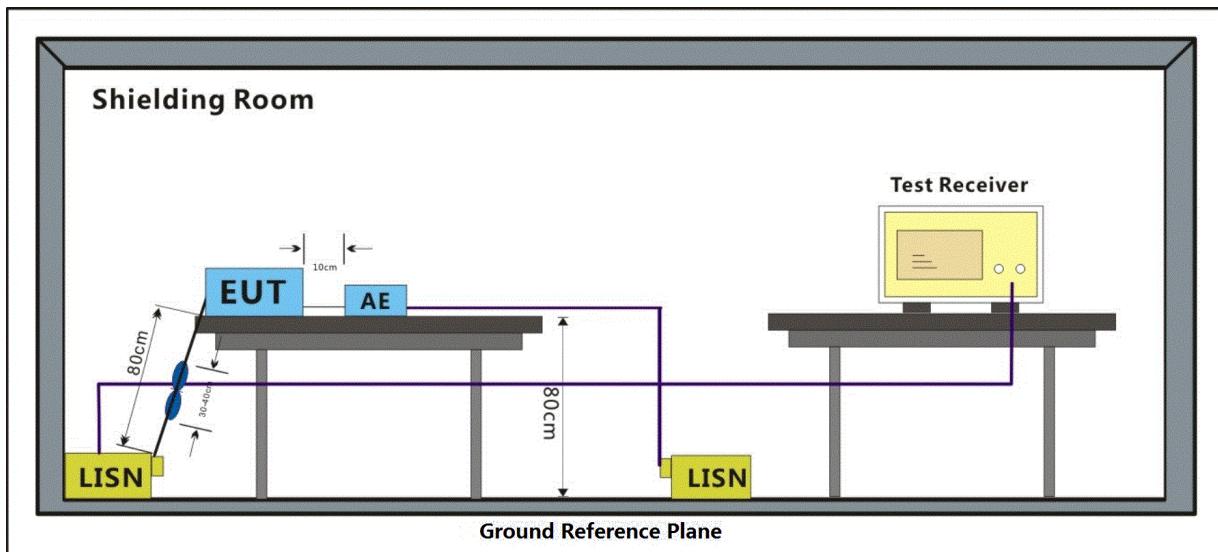
6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 29.1 °C Humidity: 55 % RH Atmospheric Pressure: 1020 mbar

Test mode a: Keep the EUT in communication with other device via Bluetooth.

6.1.2 Test Setup Diagram



6.1.3 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.

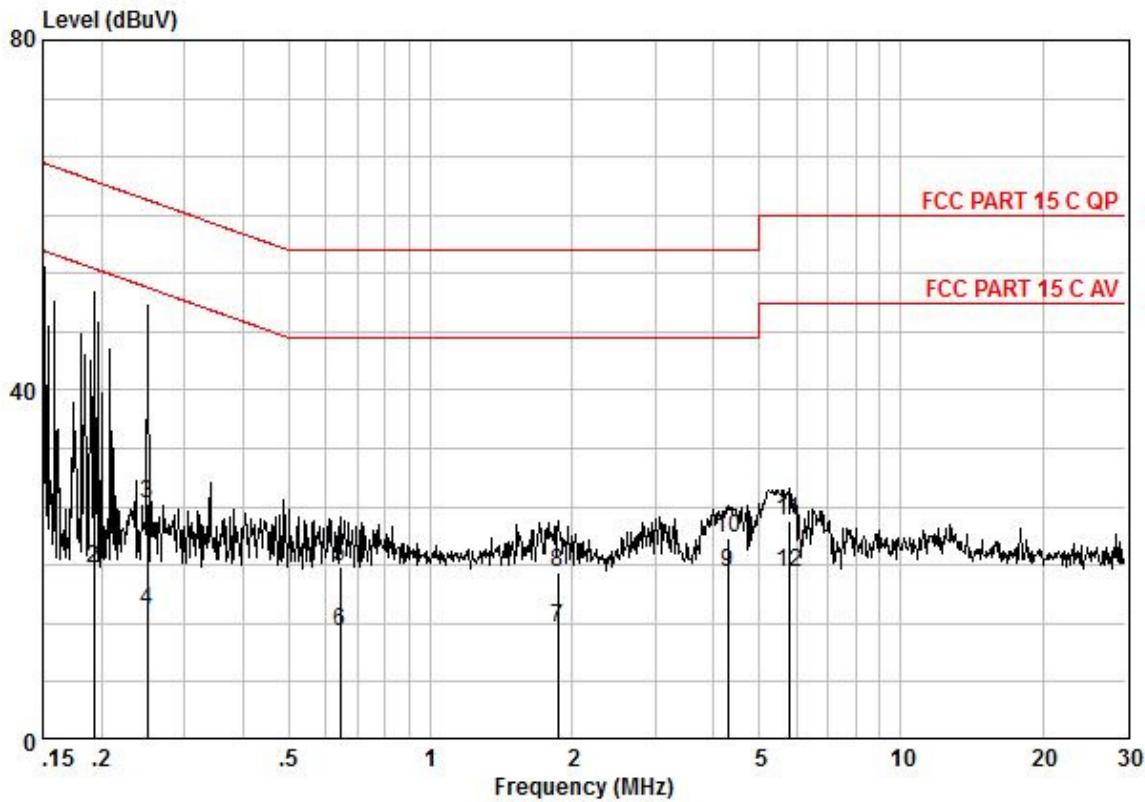
Remark: LISN=Read Level+ Cable Loss+ LISN Factor

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Mode:a; Line:Live Line



Pol :LIVE
No :
Model :

Frequency MHz	read level dBuV	Cable Loss dB	LISN Factor dB	Measured level dBuV	Limit Line dBuV	Over limit dB	Remark
0.19	21.82	0.10	9.66	31.08	63.93	-32.85	QP
0.19	9.76	0.10	9.66	19.52	53.93	-34.41	AVERAGE
0.25	17.20	0.10	9.67	26.97	61.73	-34.76	QP
0.25	5.02	0.10	9.67	14.79	51.73	-36.94	AVERAGE
0.64	10.14	0.10	9.67	19.91	56.00	-36.09	QP
0.64	2.67	0.10	9.67	12.44	46.00	-33.56	AVERAGE
1.87	3.12	0.10	9.69	12.91	46.00	-33.09	AVERAGE
1.87	9.36	0.10	9.69	19.15	56.00	-36.85	QP
4.29	9.29	0.20	9.71	19.20	46.00	-26.80	AVERAGE
4.29	13.30	0.20	9.71	23.21	56.00	-32.79	QP
5.77	15.22	0.20	9.73	25.15	60.00	-34.85	QP
5.77	9.24	0.20	9.73	19.17	50.00	-30.83	AVERAGE

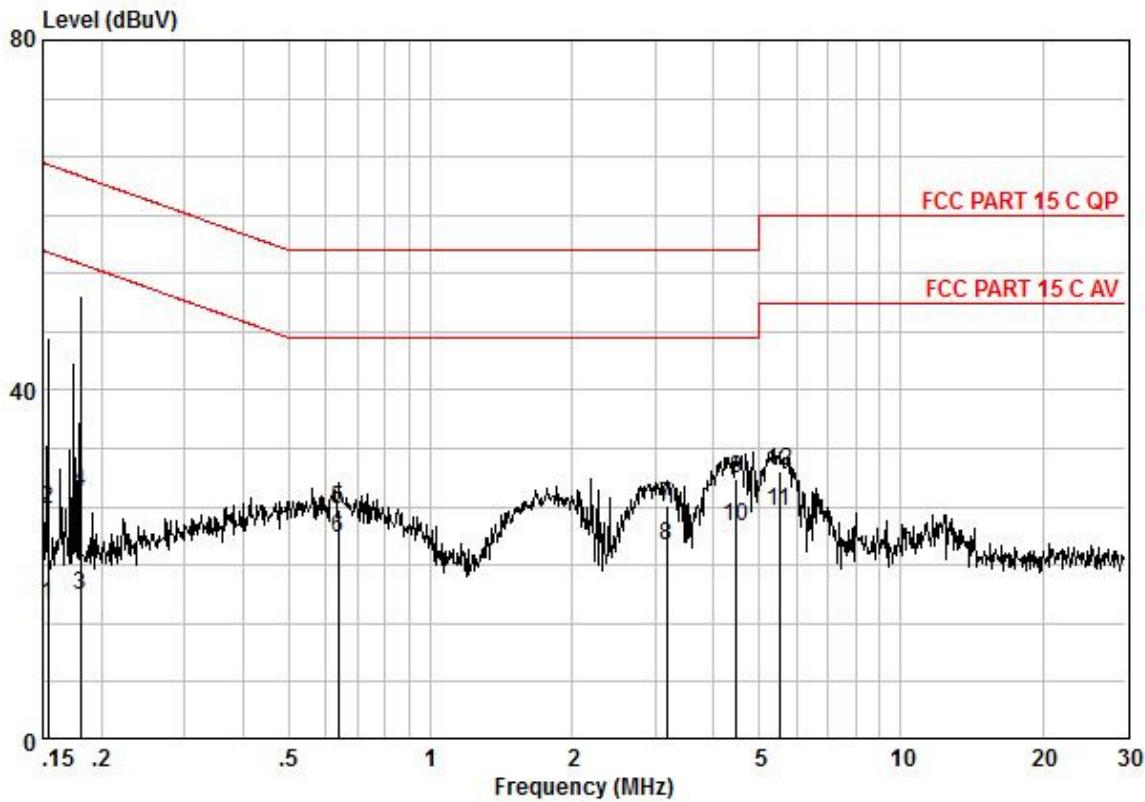
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Mode:a; Line:Neutral Line



Pol : NEUTRAL
No :
Model :

Frequency MHz	read level dBuV	Cable Loss dB	LISN dB	Measured level dBuV	Limit Line dBuV	Over limit dB	Remark
0.15	5.69	0.10	9.58	15.37	55.78	-40.41	AVERAGE
0.15	16.72	0.10	9.58	26.40	65.78	-39.38	QP
0.18	6.87	0.10	9.60	16.57	54.46	-37.89	AVERAGE
0.18	18.62	0.10	9.60	28.32	64.46	-36.14	QP
0.64	16.68	0.10	9.60	26.38	56.00	-29.62	QP
0.64	13.43	0.10	9.60	23.13	46.00	-22.87	AVERAGE
3.17	17.00	0.20	9.62	26.82	56.00	-29.18	QP
3.17	12.41	0.20	9.62	22.23	46.00	-23.77	AVERAGE
4.48	20.00	0.20	9.64	29.84	56.00	-26.16	QP
4.48	14.50	0.20	9.64	24.34	46.00	-21.66	AVERAGE
5.51	16.22	0.20	9.66	26.08	50.00	-23.92	AVERAGE
5.51	20.90	0.20	9.66	30.76	60.00	-29.24	QP

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6.2 Radiated Spurious Emissions

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

Test Method: ANSI C63.10 (2013) Section 6.4,6.5,6.6

Measurement 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
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 except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. 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.



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6.2.1 E.U.T. Operation

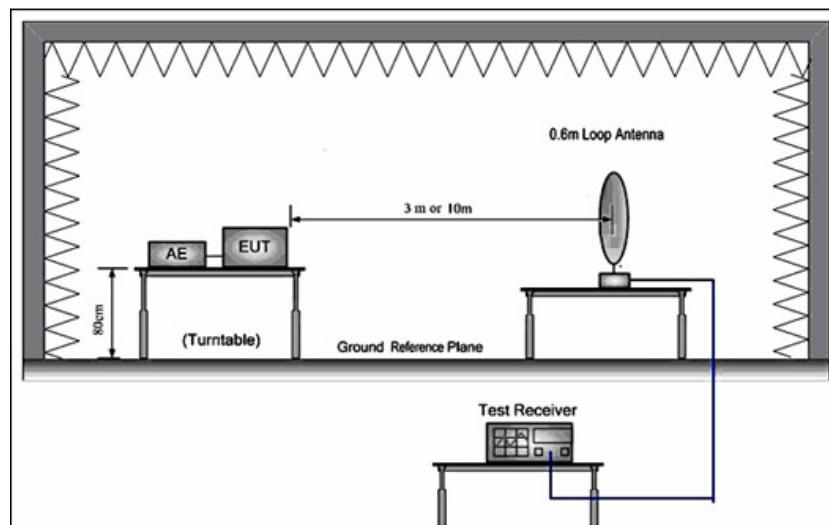
Operating Environment:

Temperature: 26.3 °C Humidity: 52.8 % RH Atmospheric Pressure: 1020 mbar

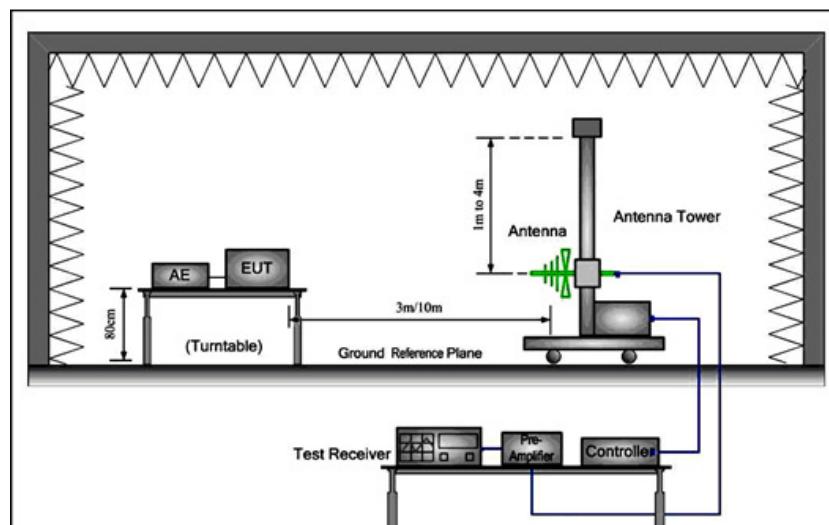
Test mode c: Tx mode_Keep the EUT in continuously transmitting mode with GFSK modulation.

6.2.2 Test Setup Diagram

9kHz to 30MHz



30MHz to 1GHz



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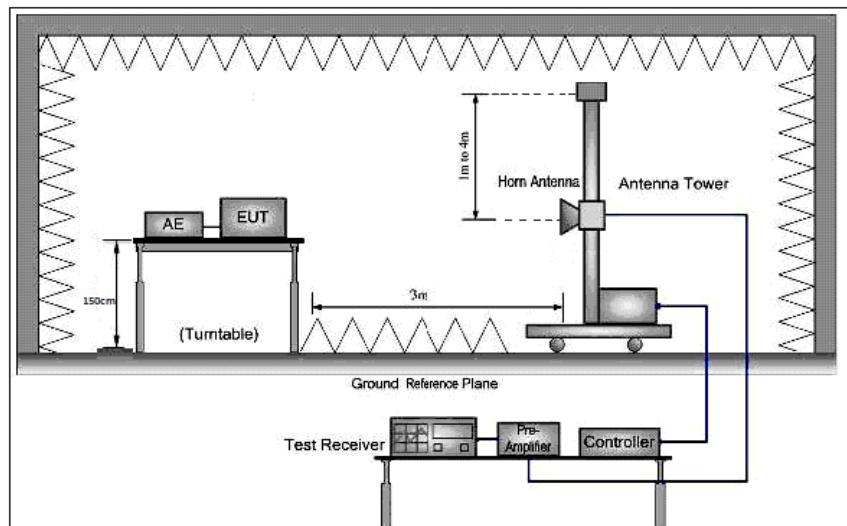
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Above 1GHz



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6.2.3 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. 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.
- d. 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.
- e. 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.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. 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.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark:

- 1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, the disturbance above 18GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 4) For frequencies above 1GHz, the field strength limits are based on average limits. However, 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. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown

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Mode:c; Polarization:Horizontal; Modulation:GFSK; ; Channel:Low

Freq	ReadAntenna		Cable		Preamp		Limit Line	Over Limit	Pol/Phase	Remark
	Level	Factor	Loss	Factor	Level	dBuV/m				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	30.962	23.09	12.22	0.07	29.83	5.55	40.00	-34.45	HORIZONTAL	QP
2	53.693	22.81	12.75	0.59	29.49	6.66	40.00	-33.34	HORIZONTAL	QP
3	118.601	26.88	11.44	0.92	29.40	9.84	43.50	-33.66	HORIZONTAL	QP
4	146.888	25.08	13.19	1.13	29.40	10.00	43.50	-33.50	HORIZONTAL	QP
5	597.223	27.70	20.57	2.08	29.50	20.85	46.00	-25.15	HORIZONTAL	QP
6	793.396	26.82	22.66	2.78	29.40	22.86	46.00	-23.14	HORIZONTAL	QP

Mode:c; Polarization:Horizontal; Modulation:GFSK; ; Channel:Low

Freq	ReadAntenna		Cable		Preamp		Limit Line	Over Limit	Pol/Phase	Remark
	Level	Factor	Loss	Factor	Level	dBuV/m				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	3693.033	33.88	28.47	7.14	36.93	32.56	54.00	-21.44	HORIZONTAL	Average
2	3693.033	45.42	28.47	7.14	36.93	44.10	74.00	-29.90	HORIZONTAL	Peak
3	4804.419	33.38	30.79	5.87	36.94	33.10	54.00	-20.90	HORIZONTAL	Average
4	4804.419	46.39	30.79	5.87	36.94	46.11	74.00	-27.89	HORIZONTAL	Peak
5	7206.309	29.64	35.45	7.34	36.93	35.50	54.00	-18.50	HORIZONTAL	Average
6	7206.309	44.43	35.45	7.34	36.93	50.29	74.00	-23.71	HORIZONTAL	Peak
7	8638.399	30.99	36.20	7.96	36.95	38.20	54.00	-15.80	HORIZONTAL	Average
8	8638.399	45.73	36.20	7.96	36.95	52.94	74.00	-21.06	HORIZONTAL	Peak
9	9608.432	30.81	37.51	8.15	37.08	39.39	54.00	-14.61	HORIZONTAL	Average
10	9608.432	45.55	37.51	8.15	37.08	54.13	74.00	-19.87	HORIZONTAL	Peak
11	12010.420	28.81	39.50	10.67	37.20	41.78	54.00	-12.22	HORIZONTAL	Average
12	12010.420	41.99	39.50	10.67	37.20	54.96	74.00	-19.04	HORIZONTAL	Peak

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Guangzhou Branch EEC Laboratory 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

Mode:c; Polarization:Vertical; Modulation:GFSK; ; Channel:Low

Freq	ReadAntenna		Cable		Preamp		Limit	Over	Pol/Phase	Remark
	Level	Factor	Loss	Factor	Level	dBuV/m				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	41.713	22.32	12.65	0.64	29.55	6.06	40.00	-33.94	VERTICAL	QP
2	54.261	23.55	12.68	0.59	29.49	7.33	40.00	-32.67	VERTICAL	QP
3	120.277	29.00	11.52	0.92	29.40	12.04	43.50	-31.46	VERTICAL	QP
4	143.326	27.69	13.14	1.07	29.40	12.50	43.50	-31.00	VERTICAL	QP
5	684.745	27.83	21.33	2.22	29.46	21.92	46.00	-24.08	VERTICAL	QP
6	848.056	29.92	23.35	2.92	29.16	27.03	46.00	-18.97	VERTICAL	QP

Mode:c; Polarization:Vertical; Modulation:GFSK; ; Channel:Low

Freq	ReadAntenna		Cable		Preamp		Limit	Over	Pol/Phase	Remark
	Level	Factor	Loss	Factor	Level	dBuV/m				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	3318.471	35.45	27.90	5.63	36.98	32.00	54.00	-22.00	VERTICAL	Average
2	3318.471	47.85	27.90	5.63	36.98	44.40	74.00	-29.60	VERTICAL	Peak
3	4804.339	33.32	30.79	5.87	36.94	33.04	54.00	-20.96	VERTICAL	Average
4	4804.339	46.33	30.79	5.87	36.94	46.05	74.00	-27.95	VERTICAL	Peak
5	7206.982	30.43	35.45	7.34	36.93	36.29	54.00	-17.71	VERTICAL	Average
6	7206.982	43.75	35.45	7.34	36.93	49.61	74.00	-24.39	VERTICAL	Peak
7	8539.102	30.05	36.13	8.00	36.94	37.24	54.00	-16.76	VERTICAL	Average
8	8539.102	45.04	36.13	8.00	36.94	52.23	74.00	-21.77	VERTICAL	Peak
9	9608.018	30.90	37.51	8.15	37.08	39.48	54.00	-14.52	VERTICAL	Average
10	9608.018	45.03	37.51	8.15	37.08	53.61	74.00	-20.39	VERTICAL	Peak
11	12010.250	26.10	39.50	10.67	37.20	39.07	54.00	-14.93	VERTICAL	Average
12	12010.250	41.80	39.50	10.67	37.20	54.77	74.00	-19.23	VERTICAL	Peak

--End of Report--

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