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

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Development District, Guangzhou, China 510663

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Email: ee.guangzhou@sgs.com

TEST REPORT

Application No.:	GZEM1905013293CR
Applicant:	Xiamen Paltier Electronic Technology Co., Ltd.
Address of Applicant:	Unit 01, 3rd Floor, No. 1726 Gangzhong Road, Xiamen Free Trade Zone, Xiamen, China
Manufacturer:	Xiamen Paltier Electronic Technology Co., Ltd.
Address of Manufacturer:	Unit 01, 3rd Floor, No. 1726 Gangzhong Road, Xiamen Free Trade Zone, Xiamen, China
Factory:	Xiamen Paltier Electronic Technology Co., Ltd.
Address of Factory:	4th Floor, Buidling 1st, ZhenNan Seven Road, XinMin Town, Tong'An District, Xiamen, China
Equipment Under Test (EUT):	
EUT Name:	Desktop Smart Cup
Model No.:	PT-503
Standard(s) :	47 CFR Part 18
Date of Receipt:	2019-06-04
Date of Test:	2019-06-10 to 2019-06-19
Date of Issue:	2019-08-05
Test Result:	**Pass***

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

Kobe Jian
EMC Laboratory 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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Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
01		2019-08-05		Original

Authorized for issue by:				
Tested By		**Jackson_Yuan /Project Engineer**		2019-06-10 to 2019-06-19 **Date**
Checked By		**Ricky_Liu /Reviewer**		2019-08-05 **Date**

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2 Test Summary

Emission Part				
Item	**Standard**	**Method**	**Requirement**	**Result**
Conducted Emissions at Mains Terminals (150kHz-30MHz)	47 CFR Part 18	FCC OST/MP-5:1986	Clause 18.307 (b)	Pass
Radiated Emissions (30MHz-1GHz)	47 CFR Part 18	FCC OST/MP-5:1986	Clause 18.305 (b)	Pass
Radiated Emissions (Magnetic field Strength) (9kHz-30MHz)	47 CFR Part 18	FCC OST/MP-5:1986	Clause 18.305 (b)	Pass

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检验检测专用章
Inspection & Testing Services
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch Testing Center EEC Laboratory.

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4 General Information

4.1 Details of E.U.T.

Power Supply:	DC 12V, 4A powered by adapter as below: Model No.: R481-1204000CU Input: AC 100-240V, 50/60Hz, 1.5A Output: DC 12 V, 4000 mA
Rated Power:	10 W for wireless charger 48 W for normal heating/cooling
Test Voltage:	AC 120 V, 60 Hz
Cable:	For adapter: AC plug DC output cables (unshielded, 1.5m) For main unit: DC input ports
Max Internal Source:	8MHz
Detail channel & frequency	103.56 kHz – 147.23 kHz
Antenna Type:	Inductive Loop Coil Antenna
Modulation Type:	Load Modulation

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Mobile Phone	SAMSUNG	GT-9500	RV1D82X8W9X

4.3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Conducted Disturbance Voltage at Mains Terminals	±3.63dB (9kHz to 150kHz)
		±3.22dB (150kHz to 30MHz)
2	Radiated Emissions	±5.0dB (30MHz-1GHz)
		±5.0dB (1GHz-6GHz)
3	Temperature	±0.4℃
4	Humidity	±1.3%
5	DC power	±0.5 %

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

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No tests were sub-contracted.

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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 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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4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None

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5 Equipment List

Conducted Emissions at Mains Terminals (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 Emissions (30MHz-1GHz)					
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	2019-06-28	2021-06-27
Trilog Broadband Antenna 30MHz-1GHz	SCHWARZBECKMESS-ELEKTRONIK	VULB 9160	EMC2025	2016-09-08	2019-09-07
Trilog Broadband Antenna 30MHz-1GHz	SCHWARZBECKMESS-ELEKTRONIK	VULB 9168	SEM003-18	2019-02-22	2022-02-22
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	2019-01-11	2020-01-10
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	2018-12-08	2019-12-07
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
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A

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Radiated Emissions (Magnetic field Strength) (9kHz-30MHz)					
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	2019-06-28	2021-06-27
Trilog Broadband Antenna 30MHz-1GHz	SCHWARZBECKMESS-ELEKTRONIK	VULB 9160	EMC2025	2016-09-08	2019-09-07
Trilog Broadband Antenna 30MHz-1GHz	SCHWARZBECKMESS-ELEKTRONIK	VULB 9168	SEM003-18	2019-02-22	2022-02-22
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	2019-01-11	2020-01-10
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	2018-12-08	2019-12-07
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
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A

General used equipment					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
DMM	Fluke	73	EMC0006	2019-07-16	2020-07-15
DMM	Fluke	73	EMC0007	2019-07-16	2020-07-15

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6 Emission Test Results

6.1 Conducted Emissions at Mains Terminals (150kHz-30MHz)

Test Requirement: 47 CFR Part 18

Test Method: FCC OST/MP-5:1986

Frequency Range: 150kHz to 30MHz

Limit:

0.15M-0.5MHz	66dB(μV)-56dB(μV) quasi-peak, 56dB(μV)-46dB(μV) average
0.5M-5MHz	56dB(μV) quasi-peak, 46dB(μV) average
5M-30MHz	60dB(μV) quasi-peak, 50dB(μV) average

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

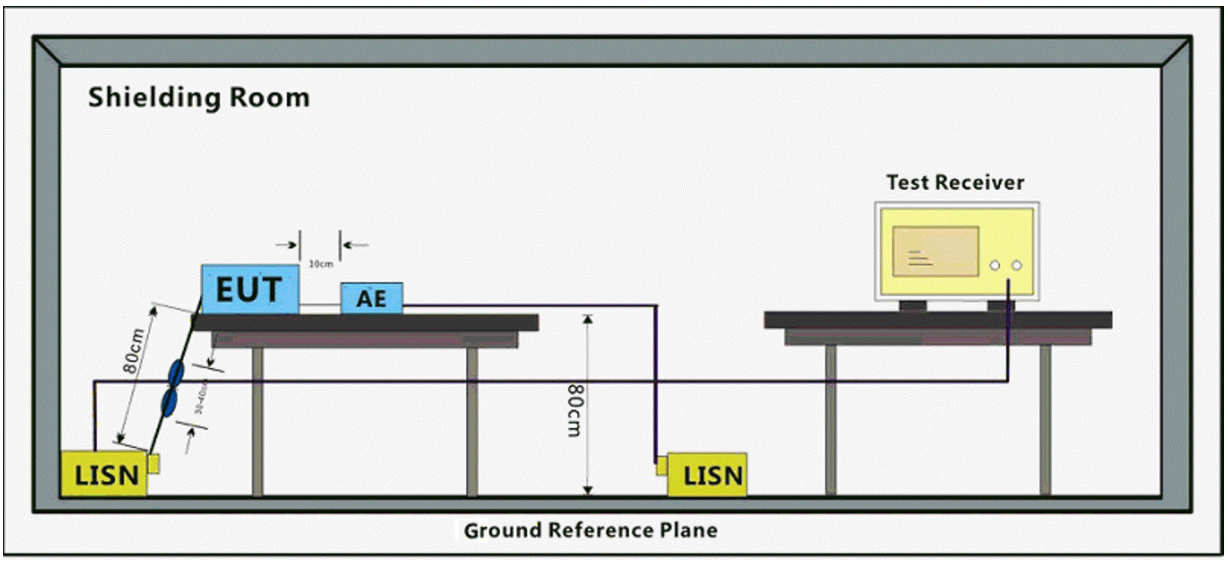
6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C Humidity: 52 % RH Atmospheric Pressure: 1020 mbar

Test mode c: Charge mode_Keep the EUT charging

6.1.2 Test Setup Diagram



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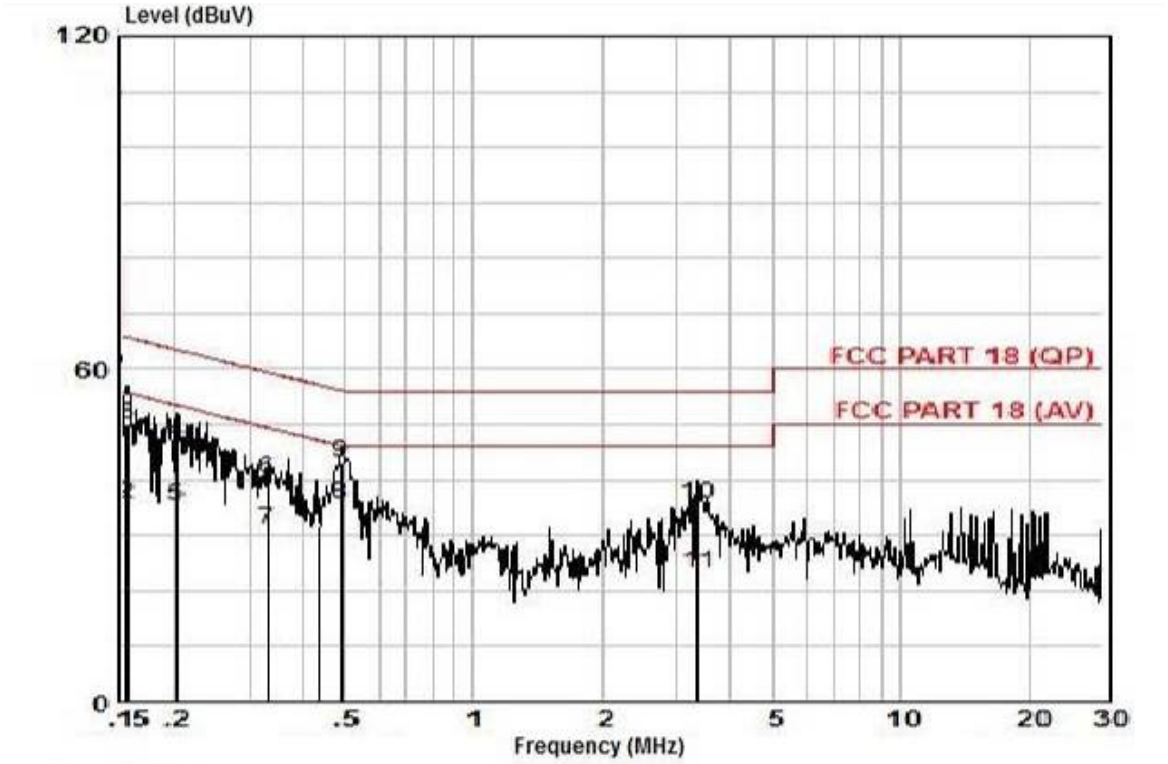
6.1.3 Measurement Data

An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.

Measured Level = Read level + Cable Loss + LISN Factor

Mode:c; 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
0.15	25.91	0.10	9.67	35.68	55.74	-20.06	AVERAGE
0.15	40.16	0.10	9.67	49.93	65.74	-15.81	QP
0.20	36.95	0.10	9.66	46.71	63.49	-16.78	QP
0.20	25.64	0.10	9.66	35.40	53.49	-18.09	AVERAGE
0.33	30.36	0.10	9.66	40.12	59.44	-19.32	QP
0.33	21.22	0.10	9.66	30.98	49.44	-18.46	AVERAGE
0.43	24.92	0.10	9.66	34.68	57.24	-22.56	QP
0.43	11.88	0.10	9.66	21.64	47.24	-25.60	AVERAGE
0.49	26.03	0.10	9.67	35.80	46.14	-10.34	AVERAGE
0.49	33.26	0.10	9.67	43.03	56.14	-13.11	QP
3.38	25.83	0.20	9.69	35.72	56.00	-20.28	QP
3.38	13.33	0.20	9.69	23.22	46.00	-22.78	AVERAGE

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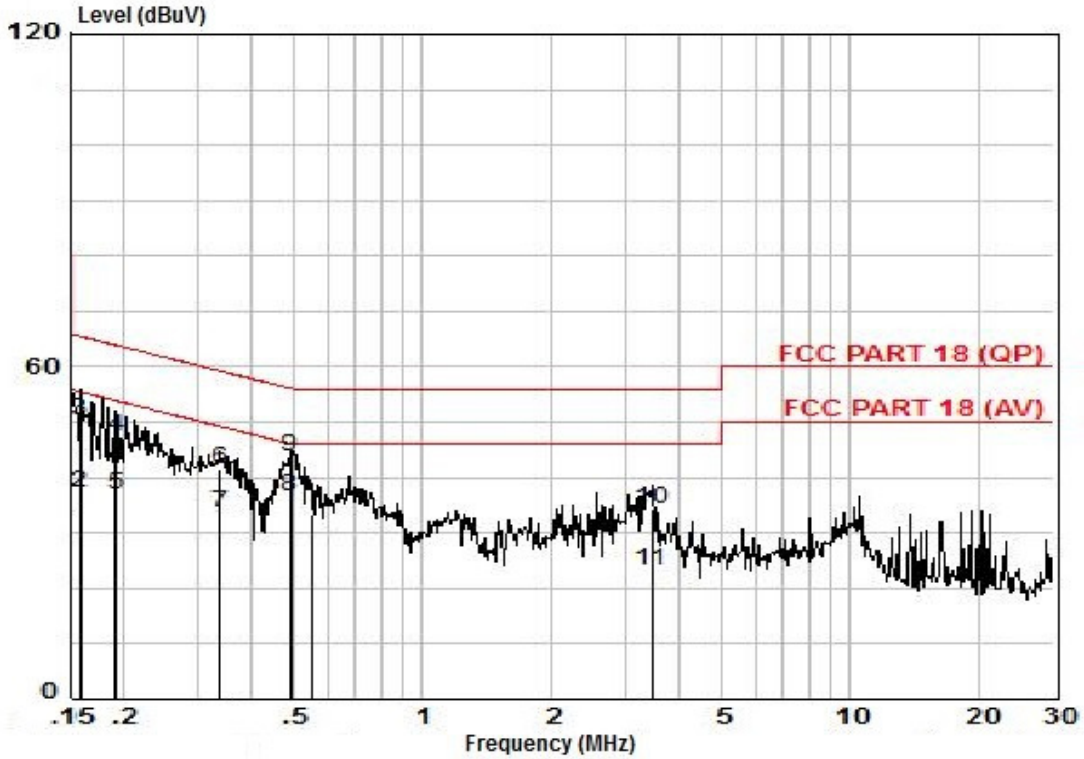
Mode:c; Line:Neutral Line



Pol :NEUTRAL
No :
Model :

Frequency MHz	read level dBuV	Cable Loss dB	LISN Factor dB	Measured level dBuV	Limit Line dBuV	Over limit dB	Remark
0.16	27.59	0.10	9.59	37.28	55.52	-18.24	AVERAGE
0.16	40.79	0.10	9.59	50.48	65.52	-15.04	QP
0.19	37.77	0.10	9.60	47.47	63.89	-16.42	QP
0.19	27.10	0.10	9.60	36.80	53.89	-17.09	AVERAGE
0.34	31.68	0.10	9.59	41.37	59.27	-17.90	QP
0.34	23.96	0.10	9.59	33.65	49.27	-15.62	AVERAGE
0.49	26.78	0.10	9.60	36.48	46.14	-9.66	AVERAGE
0.49	33.99	0.10	9.60	43.69	56.14	-12.45	QP
0.55	26.38	0.10	9.60	36.08	56.00	-19.92	QP
0.55	14.24	0.10	9.60	23.94	46.00	-22.06	AVERAGE
3.44	24.46	0.20	9.62	34.28	56.00	-21.72	QP
3.44	13.52	0.20	9.62	23.34	46.00	-22.66	AVERAGE

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6.2 Radiated Emissions (30MHz-1GHz)

Test Requirement: 47 CFR Part 18

Test Method: FCC OST/MP-5:1986

Frequency Range: 30MHz to 1GHz

Measurement Distance: 3m

Limit:

Equipment	Operating frequency	RF Power generated by equipment (watts)	Field strength limit (uV/m)	Distance (meters)
Any type unless otherwise specified (miscellaneous)	Any ISM frequency	Below 500 500 or more	25 25×SQRT (power/500)	300 [1]300
	Any non-ISM frequency	Below 500 500 or more	15 15×SQRT (power/500)	300 [1]300
Industrial heaters and RF stabilized arc welders	On or below 5,725 MHz Above 5,725 MHz	Any Any	10 ([2])	1,600 ([2])
Medical diathermy	Any ISM frequency Any non-ISM frequency	Any Any	25 15	300 300
Ultrasonic	Below 490 kHz	Below 500 500 or more	2,400/F(kHz) 2,400/F(kHz)× SQRT(power/500)	300 [3]300
	490 to 1,600 kHz Above 1,600 kHz	Any Any	24,000/F(kHz) 15	30 30
Induction cooking ranges	Below 90 kHz On or above 90 kHz	Any Any	1,500 300	[4]30 [4]30

(1) Field strength may not exceed 10 μV/m at 1600 meters. Consumer equipment operating below 1000 MHz is not permitted the increase in field strength otherwise permitted here for power over 500 watts.

(2) Reduced to the greatest extent possible.

(3) Field strength may not exceed 10 μV/m at 1600 meters. Consumer equipment is not permitted the increase in field strength

(4) otherwise permitted here for over 500 watts.

Induction cooking ranges manufactured prior to February 1, 1980, shall be subject to the field strength limits for miscella-neous ISM equipment.

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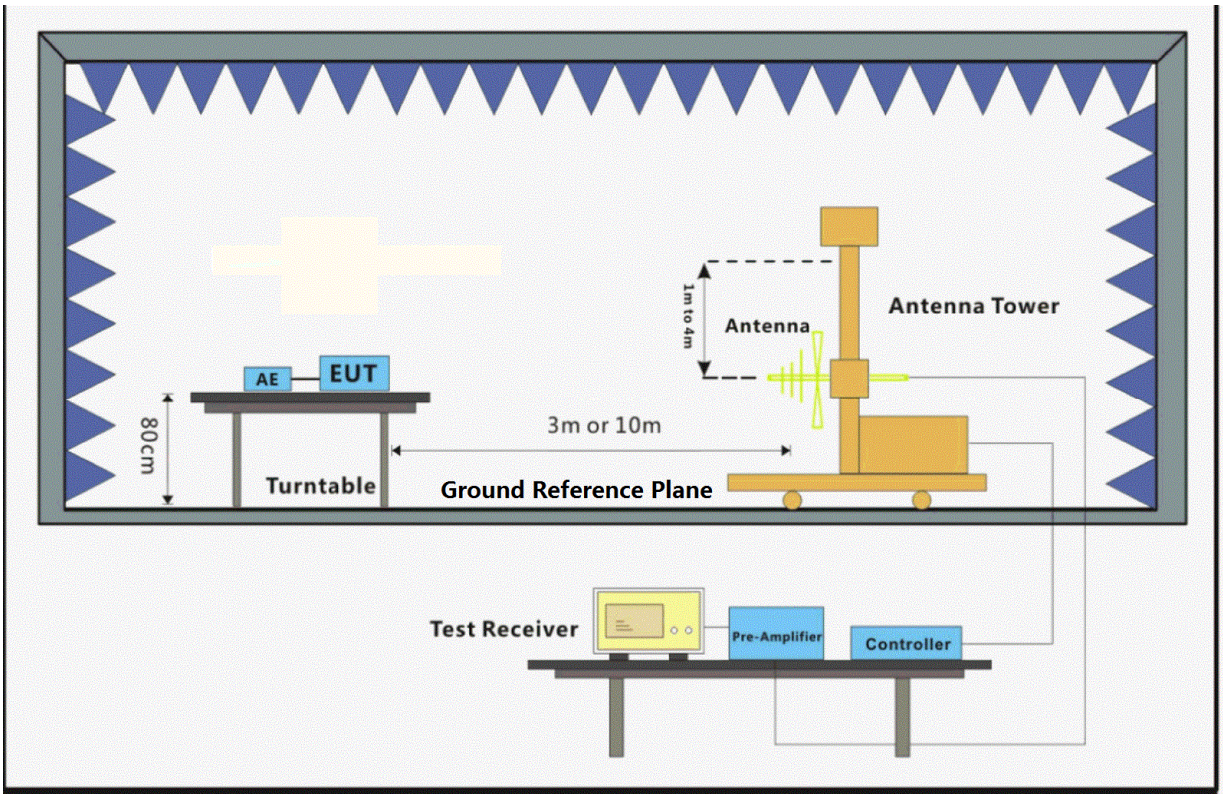
6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C Humidity: 54 % RH Atmospheric Pressure: 1020 mbar

Test mode C :Charge mode_Keep the EUT charging

6.2.2 Test Setup Diagram



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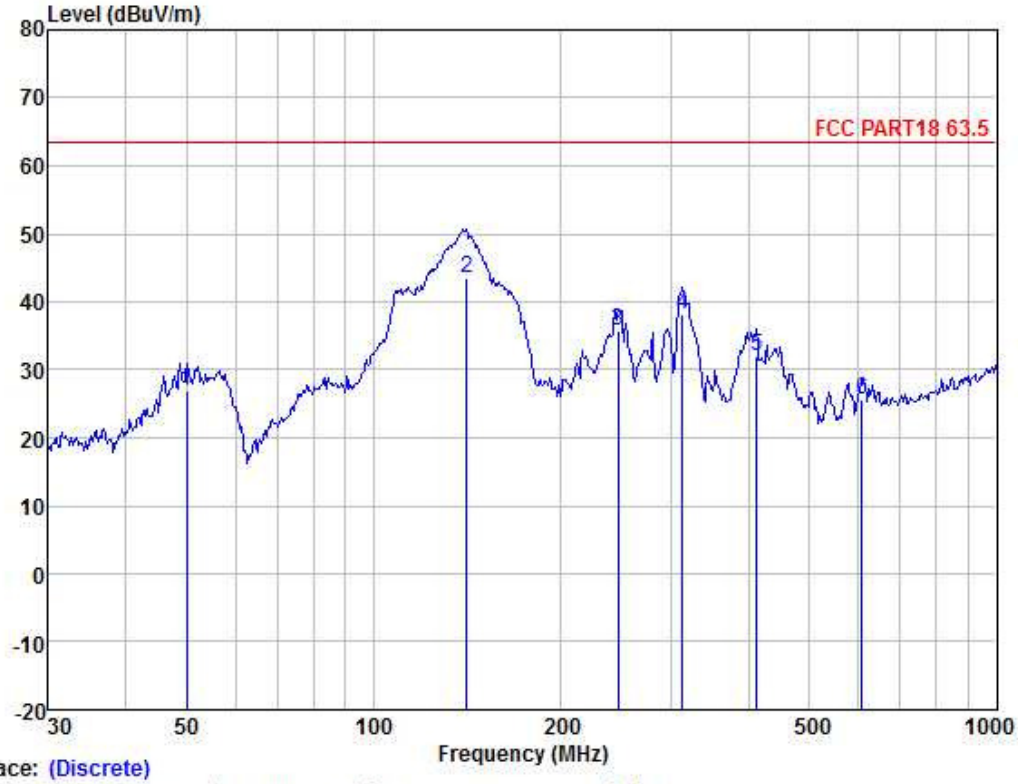
6.2.3 Measurement Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.

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

Mode:c; Polarization:Horizontal



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	50.057	38.36	14.50	0.70	26.50	27.06	63.50	-36.44	HORIZONTAL	Average
2	140.835	55.67	13.02	1.27	26.42	43.54	63.50	-19.96	HORIZONTAL	Average
3	246.815	48.23	12.50	1.65	26.56	35.82	63.50	-27.68	HORIZONTAL	Average
4	313.276	48.96	14.10	1.85	26.91	38.00	63.50	-25.50	HORIZONTAL	Average
5	411.824	40.54	16.44	2.28	27.37	31.89	63.50	-31.61	HORIZONTAL	Average
6	607.787	30.02	20.36	2.62	27.41	25.59	63.50	-37.91	HORIZONTAL	Average

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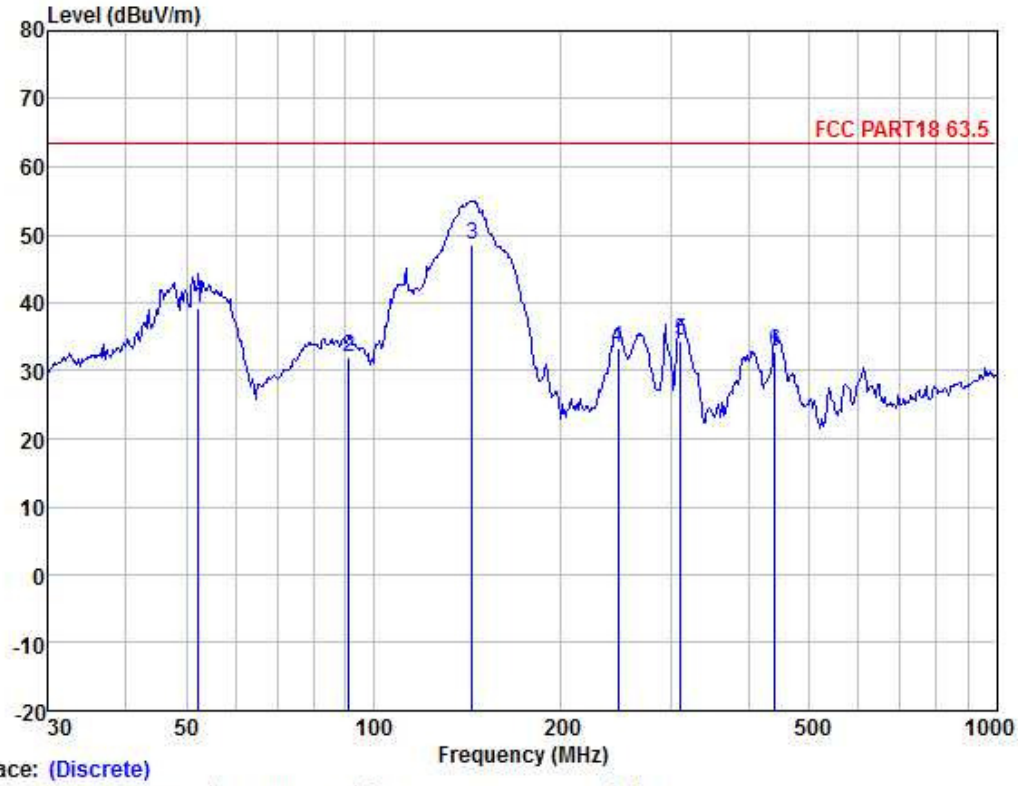
Mode:c; Polarization:Vertical



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	52.208	50.55	14.44	0.75	26.50	39.24	63.50	-24.26	VERTICAL	Average
2	91.175	49.86	7.66	1.02	26.41	32.13	63.50	-31.37	VERTICAL	Average
3	143.830	60.59	13.11	1.28	26.43	48.55	63.50	-14.95	VERTICAL	Average
4	246.815	45.74	12.50	1.65	26.56	33.33	63.50	-30.17	VERTICAL	Average
5	311.087	45.51	14.06	1.84	26.89	34.52	63.50	-28.98	VERTICAL	Average
6	440.196	41.00	16.99	2.30	27.41	32.88	63.50	-30.62	VERTICAL	Average

Remark:

1 This product belongs to any non-ISM frequency equipment, the field strength limit is 15uV/m at 300 meter.

2 Limit: 20log(15uV/m)+20log(300/3)=23.5+40=63.5dBuV/m at 3 meter.

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6.3 Radiated Emissions (Magnetic field Strength) (9kHz-30MHz)

Test Requirement: 47 CFR Part 18

Test Method: FCC OST/MP-5:1986

Frequency Range: 9kHz to 30MHz

Measurement Distance: 10m

Limit:

Equipment	Operating frequency	RF Power generated by equipment (watts)	Field strength limit (uV/m)	Distance (meters)
Any type unless otherwise specified (miscellaneous)	Any ISM frequency	Below 500 500 or more	25 25×SQRT (power/500)	300 [1]300
	Any non-ISM frequency	Below 500 500 or more	15 15×SQRT (power/500)	300 [1]300
Industrial heaters and RF stabilized arc welders	On or below 5,725 MHz Above 5,725 MHz	Any Any	10 ([2])	1,600 ([2])
Medical diathermy	Any ISM frequency Any non-ISM frequency	Any Any	25 15	300 300
Ultrasonic	Below 490 kHz	Below 500 500 or more	2,400/F(kHz) 2,400/F(kHz)× SQRT(power/500)	300 [3]300
	490 to 1,600 kHz Above 1,600 kHz	Any Any	24,000/F(kHz) 15	30 30
Induction cooking ranges	Below 90 kHz On or above 90 kHz	Any Any	1,500 300	[4]30 [4]30

(1) Field strength may not exceed 10 μV/m at 1600 meters. Consumer equipment operating below 1000 MHz is not permitted the increase in field strength otherwise permitted here for power over 500 watts.

(2) Reduced to the greatest extent possible.

(3) Field strength may not exceed 10 μV/m at 1600 meters. Consumer equipment is not permitted the increase in field strength

(4) otherwise permitted here for over 500 watts.

Induction cooking ranges manufactured prior to February 1, 1980, shall be subject to the field strength limits for miscella-neous ISM equipment.

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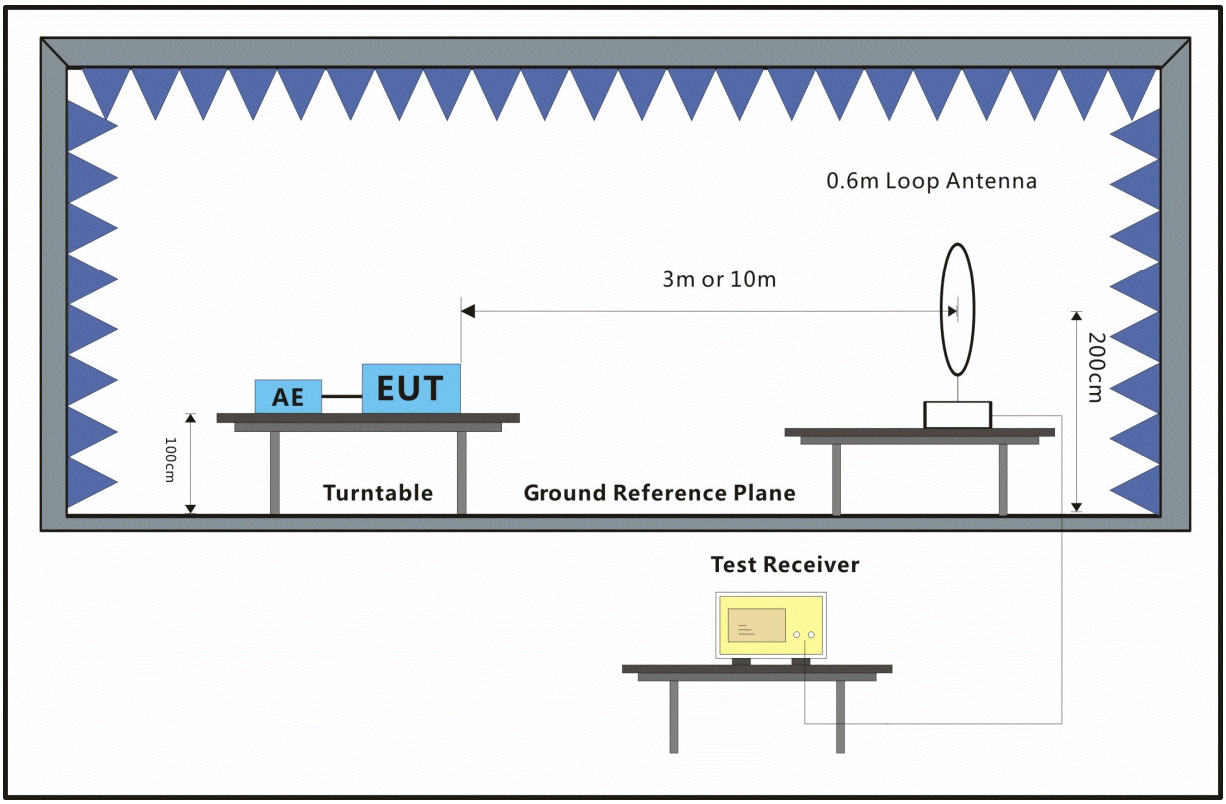
6.3.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C Humidity: 56 % RH Atmospheric Pressure: 1020 mbar

Test mode c: Charge mode_Keep the EUT charging

6.3.2 Test Setup Diagram



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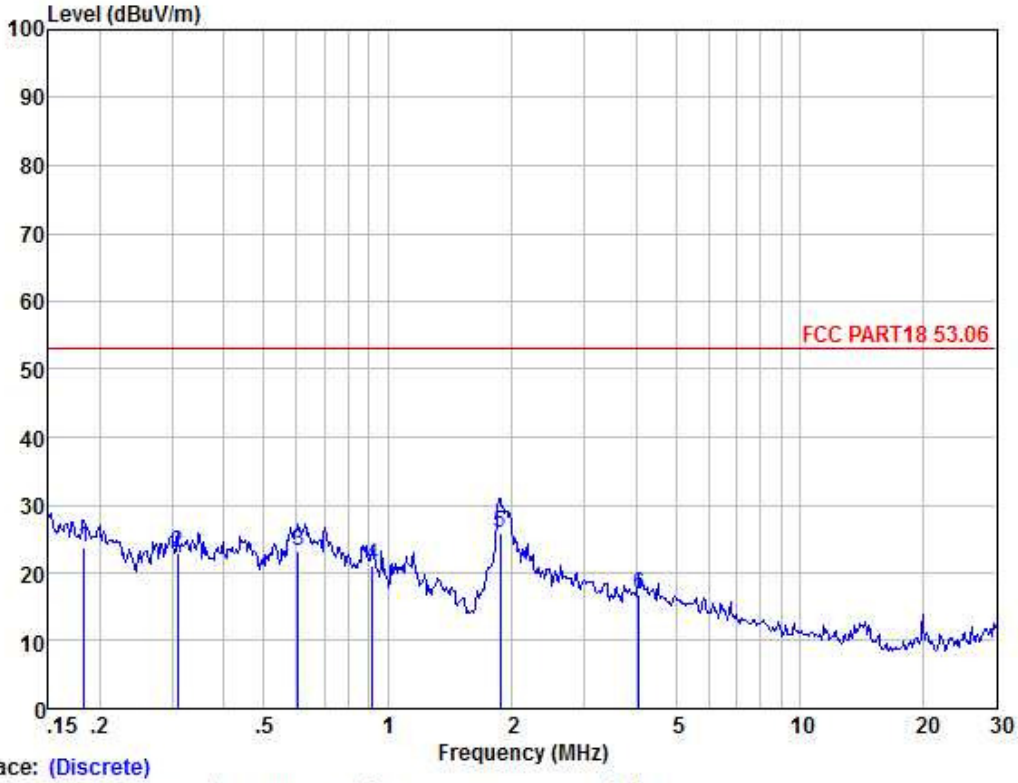
6.3.3 Measurement Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.

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

Mode:c; Polarization:Horizontal



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	0.183	40.80	12.37	0.00	29.49	23.68	53.06	-29.38	HORIZONTAL	Average
2	0.308	39.91	12.26	0.10	29.43	22.84	53.06	-30.22	HORIZONTAL	Average
3	0.604	40.23	12.15	0.10	29.34	23.14	53.06	-29.92	HORIZONTAL	Average
4	0.918	37.97	12.28	0.10	29.30	21.05	53.06	-32.01	HORIZONTAL	Average
5	1.878	42.60	12.58	0.10	29.29	25.99	53.06	-27.07	HORIZONTAL	Average
6	4.070	34.18	11.68	0.20	29.24	16.82	53.06	-36.24	HORIZONTAL	Average

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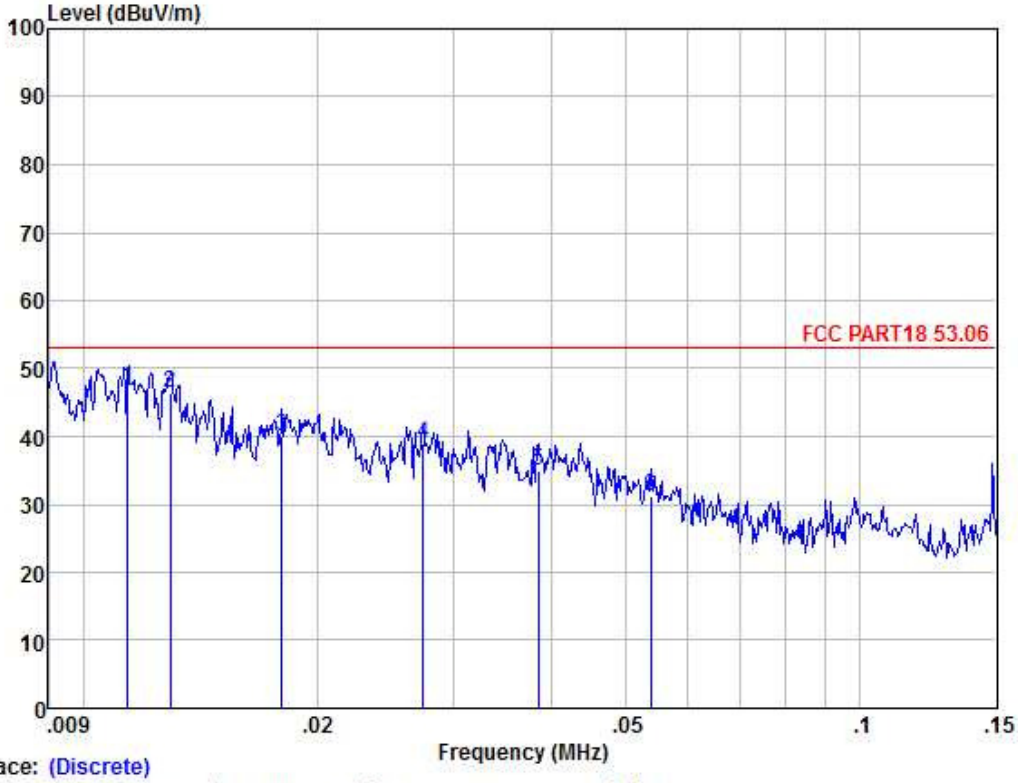
Mode:c; Polarization:Horizontal



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	0.011	55.73	21.02	0.00	29.50	47.25	53.06	-5.81	HORIZONTAL	Average
2	0.013	55.70	20.10	0.00	29.50	46.30	53.06	-6.76	HORIZONTAL	Average
3	0.018	52.71	16.67	0.00	29.49	39.89	53.06	-13.17	HORIZONTAL	Average
4	0.027	53.01	15.32	0.00	29.47	38.86	53.06	-14.20	HORIZONTAL	Average
5	0.039	51.27	13.13	0.00	29.44	34.96	53.06	-18.10	HORIZONTAL	Average
6	0.054	48.23	12.49	0.00	29.43	31.29	53.06	-21.77	HORIZONTAL	Average

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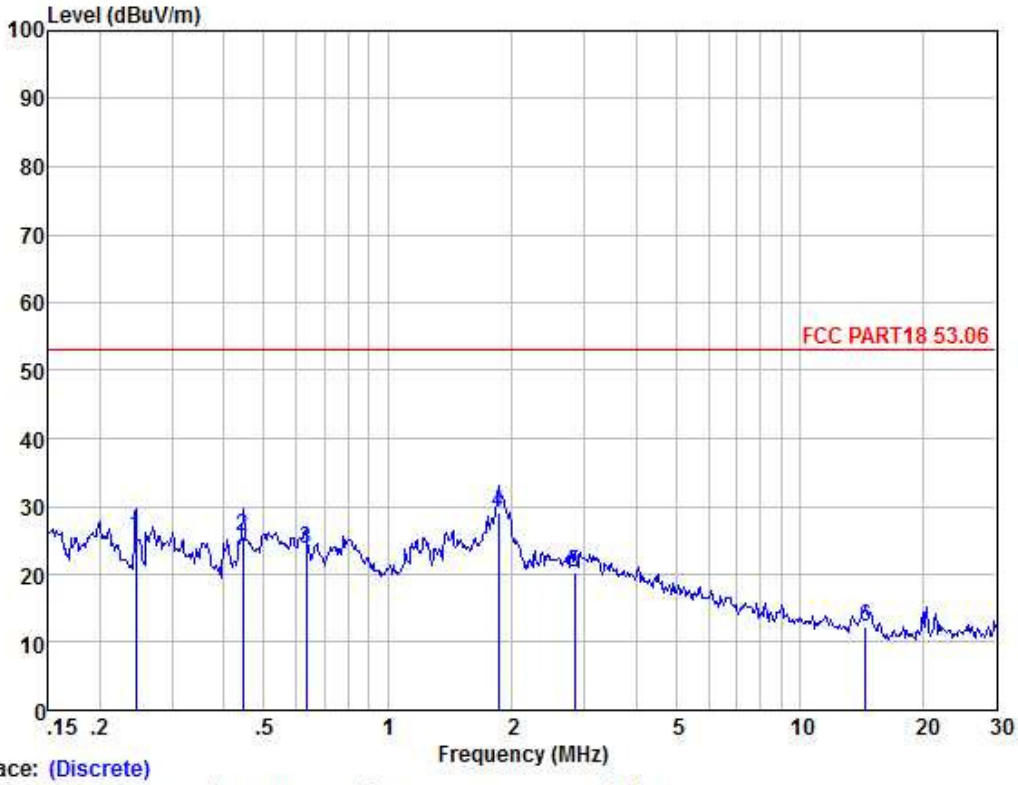
Mode:c; Polarization:Vertical



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	0.244	42.56	12.30	0.09	29.48	25.47	53.06	-27.59	VERTICAL	Average
2	0.444	42.61	12.12	0.10	29.36	25.47	53.06	-27.59	VERTICAL	Average
3	0.634	40.85	12.16	0.10	29.34	23.77	53.06	-29.29	VERTICAL	Average
4	1.858	45.62	12.58	0.10	29.29	29.01	53.06	-24.05	VERTICAL	Average
5	2.839	37.32	12.05	0.19	29.27	20.29	53.06	-32.77	VERTICAL	Average
6	14.440	30.29	10.51	0.40	29.01	12.19	53.06	-40.87	VERTICAL	Average

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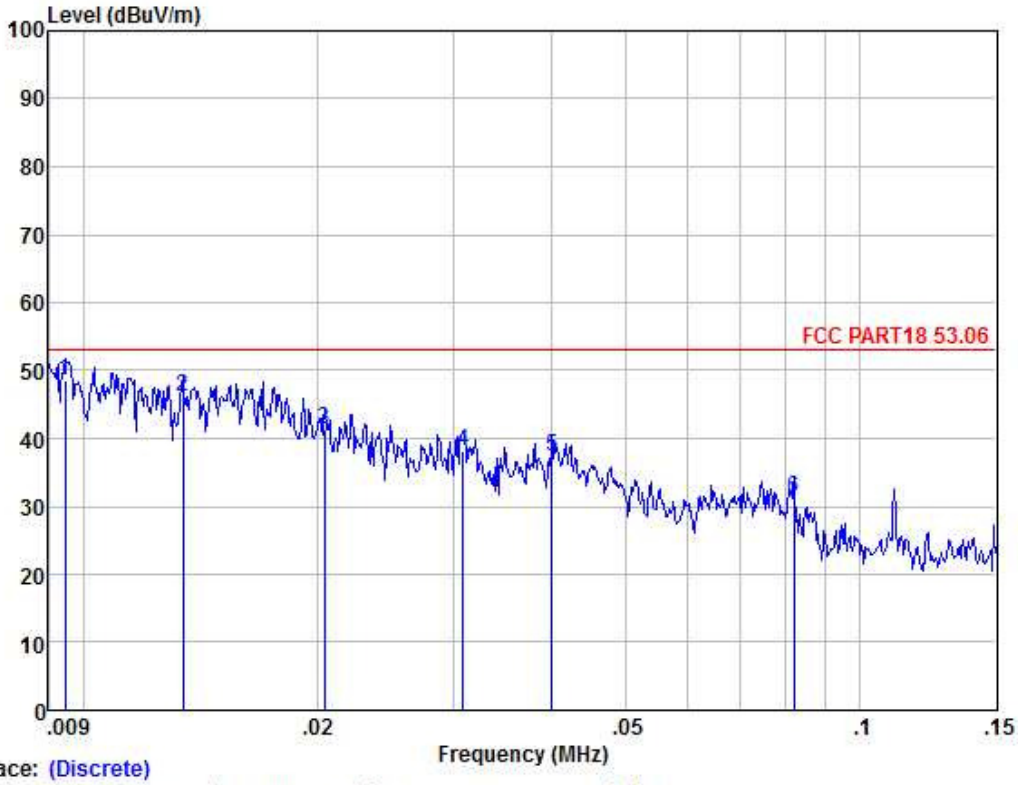
Mode:c; Polarization:Vertical



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	0.009	56.35	21.60	0.00	29.50	48.45	53.06	-4.61	VERTICAL	Average
2	0.013	55.84	19.76	0.00	29.49	46.11	53.06	-6.95	VERTICAL	Average
3	0.020	54.80	16.15	0.00	29.49	41.46	53.06	-11.60	VERTICAL	Average
4	0.031	52.96	14.53	0.00	29.46	38.03	53.06	-15.03	VERTICAL	Average
5	0.040	53.84	13.00	0.00	29.44	37.40	53.06	-15.66	VERTICAL	Average
6	0.082	48.35	12.40	0.00	29.42	31.33	53.06	-21.73	VERTICAL	Average

Remark:

1 This product belongs to any non-ISM frequency equipment, the field strength limit is 15uV/m at 300 meter.

2 Limit: 20log(15uV/m) +20log(300/10)=23.52+29.54=53.06dBuV/m at 10 meter.

--End of Report--

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