

# FCC TEST REPORT

## FCC ID:2AXM2-CTM

**Report Number**.....: **BTF230717R01001**

Date of Test..... Jul. 07, 2023 to Jul. 26, 2023

Date of issue.....: Jul. 26, 2023

Total number of pages..... 22

Test Result .....: PASS

**Testing Laboratory**.....: **BTF Testing Lab (Shenzhen) Co., Ltd.**

Address .....: F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park,  
Tantou Community, Songgang Street, Bao'an District, Shenzhen,  
China

**Applicant's name** .....: **Standard Technical Merchandise PTY LTD**

Address .....: Unit 21, 34-36 Ralph st, Alexandria, NSW, Australia

**Manufacturer's name** .....: **CYSPO Technology (Shenzhen) Co., LTD.**

Address .....: 6th Floor, Building 4 ,Unit A, Huafeng No.1 Science and  
Technology Park, Hangcheng Avenue, Gushu Bao'an, Shenzhen  
Guangdong China 518126

### Test specification:

Standard.....: FCC CFR Title 47 Part 15 Subpart C

Test procedure.....: /

Non-standard test method .....: N/A

**Test Report Form No**.....: /

**Test Report Form(s) Originator**.....: BTF Testing

**Master TRF** .....: Dated: /

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**Product name**.....: **3-in-1 Magnetic Wireless Charger**

Trademark .....: N/A

Model/Type reference.....: ChargeTree Mag  
stm-931-400Z, stm-931-398Z

Input: 9V === 3A, 12V === 2.5A

Ratings.....: Phone charging output: 15W Max

Watch output: 3W Max

Earphone output: 5W Max

**Testing procedure and testing location:**

**Testing Laboratory**.....: **BTF Testing Lab (Shenzhen) Co., Ltd.**

**Address**.....: F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China

*Elma. Yang*

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**Reviewer (name + signature)**.....: elma.yang



**Approved (name + signature)**.....: Ryan.CJ

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**1. VERSION**

Report No.	Version	Description	Approved
BTF230717R01001	Rev.01	Initial issue of report	Jul. 26, 2023

**2. TEST SUMMARY**

<b>Test Item</b>	<b>Section in CFR 47</b>	<b>Result</b>
Antenna requirement	15.203	Pass
AC Power Line Conducted Emission	15.207	Pass
Spurious Emission	15.209(a)(f)	Pass

NOTE:

(1) "N/A" denotes test is not applicable in this Test Report

## 2.1 TEST FACILITY

BTF Testing Lab (Shenzhen) Co., Ltd.  
Add. : F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgan Street, Bao'an District, Shenzhen, China

FCC Registration Number: 518915  
Designation Number: CN1330  
Company Number: 27844  
CAB Identifier: CN0135

## 2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $y \pm U$ , where expanded uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	3m chamber Radiated spurious emission(9KHz-30MHz)	U=4.5dB
2	3m chamber Radiated spurious emission(30MHz-1GHz)	U=4.8dB
3	3m chamber Radiated spurious emission(1GHz-6GHz)	U=4.9dB
4	3m chamber Radiated spurious emission(6GHz-40GHz)	U=5.0dB
5	Conducted disturbance	U=3.2dB
6	RF Band Edge	U=1.68dB
7	RF power conducted	U=1.86dB
8	RF conducted Spurious Emission	U=2.2dB
9	RF Occupied Bandwidth	U=1.8MHz
10	RF Power Spectral Density	U=1.75dB
11	humidity uncertainty	U=5.3%
12	Temperature uncertainty	U=0.59°C

### 3. GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

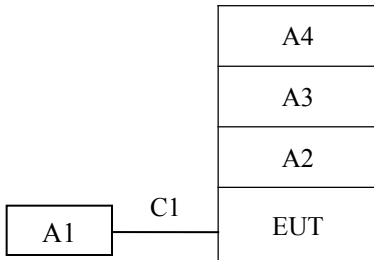
Product Name:	3-in-1 Magnetic Wireless Charger
Model No.:	ChargeTree Mag
Model Difference:	Only the model name is different.
Serial No.:	stm-931-400Z, stm-931-398Z
Hardware version:	V1.1
Software version:	V1.0
Operation Frequency:	110KHz ~ 205KHz
Modulation type:	MSK
Antenna Type:	Inductive loop coil Antenna
Antenna gain:	0dBi
Power supply:	Input: 9V === 3A, 12V === 2.5A Phone charging output: 15W Max Watch output: 3W Max Earphone output: 5W Max
Test Description:	Phone and Watch and Earphone Battery > 98%, =50% and < 1% are tested, and the worst is < 1%.

#### 3.2 Test mode

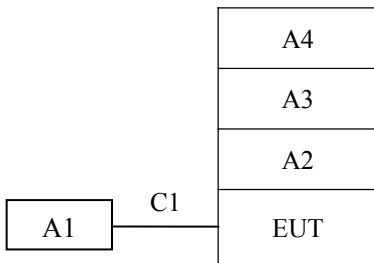
Test Modes:		
Mode 1	AC/DC Adapter (9V/3A) + EUT + Phone	
Mode 2	AC/DC Adapter (9V/3A) + EUT + Watch	
Mode 3	AC/DC Adapter (9V/3A) + EUT + Earphone	
Mode 4	AC/DC Adapter (9V/3A) + EUT + Phone + Watch	
Mode 5	AC/DC Adapter (9V/3A) + EUT + Phone + Earphone	
Mode 6	AC/DC Adapter (9V/3A) + EUT + Watch + Earphone	
Mode 7	AC/DC Adapter (9V/3A) + EUT + Phone + Watch + Earphone	
Mode 8	AC/DC Adapter (12V/2.5A) + EUT + Phone	
Mode 9	AC/DC Adapter (12V/2.5A) + EUT + Watch	
Mode 10	AC/DC Adapter (12V/2.5A) + EUT + Earphone	
Mode 11	AC/DC Adapter (12V/2.5A) + EUT + Phone + Watch	
Mode 12	AC/DC Adapter (12V/2.5A) + EUT + Phone + Earphone	
Mode 13	AC/DC Adapter (12V/2.5A) + EUT + Watch + Earphone	
Mode 14	AC/DC Adapter (12V/2.5A) + EUT + Phone + Watch + Earphone	Record
N/A		

### 3.3 Block Diagram of EUT Configuration

#### Conducted Emission



#### Radiated Emission



### 3.4 Test Conditions

Temperature: 23~26℃

Relative Humidity: 54~63 %

### 3.5 Description Of Support Units (Conducted Mode)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	3 in 1 Magnetic Wireless Charging	N/A	ChargeTree Mag	See page 7	EUT
A1	AC/DC Adapter	HUAWEI	HW-050450C00	N/A	Auxiliary
A2	Phone	Apple	iPhone 13porMax	N/A	Auxiliary
A3	Watch	Apple	Watch Series 8	N/A	Auxiliary
A4	Earphone	Apple	AirPods 2	N/A	Auxiliary

Item	Shielded Type	Ferrite Core	Length	Note
C1	NO	NO	0.8M	Type-C USB cable

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (3) “YES” is means “shielded” “with core”; “NO” is means “unshielded” “without core”.



3.6 EQUIPMENTS LIST FOR ALL TEST ITEMS

Conducted Emission at AC power line					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Pulse Limiter	SCHWARZBECK	VTSD 9561-F	00953	2022-11-24	2023-11-23
Coaxial Switcher	SCHWARZBECK	CX210	CX210	2022-11-24	2023-11-23
V-LISN	SCHWARZBECK	NSLK 8127	01073	2022-11-24	2023-11-23
LISN	AFJ	LS16/110VAC	16010020076	2023-02-23	2024-02-22
EMI Receiver	ROHDE&SCHWARZ	ESCI3	101422	2022-11-24	2023-11-23

Occupied Bandwidth					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
RFTTest software	/	V1.00	/	/	/
RF Control Unit	Techy	TR1029-1	/	2022-11-24	2023-11-23
RF Sensor Unit	Techy	TR1029-2	/	2022-11-24	2023-11-23
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2022-11-24	2023-11-23
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2022-11-24	2023-11-23
WIDEBAND RADIO COMMUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2022-11-24	2023-11-23
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50410020	2022-11-24	2023-11-23

Emissions in non-restricted frequency bands					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
RFTTest software	/	V1.00	/	/	/
RF Control Unit	Techy	TR1029-1	/	2022-11-24	2023-11-23
RF Sensor Unit	Techy	TR1029-2	/	2022-11-24	2023-11-23
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2022-11-24	2023-11-23
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2022-11-24	2023-11-23
WIDEBAND RADIO COMMUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2022-11-24	2023-11-23
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50410020	2022-11-24	2023-11-23

Band edge emissions (Radiated)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Coaxial cable Multiflex 141	Schwarzbeck	N/SMA 0.5m	517386	2023-03-24	2024-03-23
Preamplifier	SCHWARZBECK	BBV9744	00246	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF1-SMASMAM-10m	21101566	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-10m	21101570	2022-11-24	2023-11-23

RE Cable	REBES Talent	UF1-SMASMAM-1m	21101568	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-1m	21101576	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-2.5m	21101573	2022-11-24	2023-11-23
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Horn Antenna	SCHWARZBECK	BBHA9170	01157	2021-11-28	2023-11-27
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI7	101032	2022-11-24	2023-11-23
SIGNAL ANALYZER	ROHDE&SCHWARZ	FSQ40	100010	2022-11-24	2023-11-23
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Broadband Preampilifier	SCHWARZBECK	BBV9718D	00008	2023-03-24	2024-03-23
Horn Antenna	SCHWARZBECK	BBHA9120D	2597	2022-05-22	2024-05-21
EZ EMC	Frad	FA-03A2 RE+	/	/	/
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Log periodic antenna	SCHWARZBECK	VULB 9168	01328	2021-11-28	2023-11-27

Emissions in restricted frequency bands (below 1GHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Coaxial cable Multiflex 141	Schwarzbeck	N/SMA 0.5m	517386	2023-03-24	2024-03-23
Preamplifier	SCHWARZBECK	BBV9744	00246	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF1-SMASMAM-10m	21101566	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-10m	21101570	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF1-SMASMAM-1m	21101568	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-1m	21101576	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-2.5m	21101573	2022-11-24	2023-11-23
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Horn Antenna	SCHWARZBECK	BBHA9170	01157	2021-11-28	2023-11-27
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI7	101032	2022-11-24	2023-11-23
SIGNAL ANALYZER	ROHDE&SCHWARZ	FSQ40	100010	2022-11-24	2023-11-23
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Broadband Preampilifier	SCHWARZBECK	BBV9718D	00008	2023-03-24	2024-03-23
Horn Antenna	SCHWARZBECK	BBHA9120D	2597	2022-05-22	2024-05-21
EZ EMC	Frad	FA-03A2 RE+	/	/	/
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Log periodic antenna	SCHWARZBECK	VULB 9168	01328	2021-11-28	2023-11-27

Emissions in restricted frequency bands (above 1GHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Coaxial cable Multiflex 141	Schwarzbeck	N/SMA 0.5m	517386	2023-03-24	2024-03-23
Preamplifier	SCHWARZBECK	BBV9744	00246	2022-11-24	2023-11-23

RE Cable	REBES Talent	UF1-SMASMAM-1 0m	21101566	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-10m	21101570	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF1-SMASMAM-1 m	21101568	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-1m	21101576	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-2.5m	21101573	2022-11-24	2023-11-23
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Horn Antenna	SCHWARZBECK	BBHA9170	01157	2021-11-28	2023-11-27
EMI TEST RECEIVER	ROHDE&SCHWA RZ	ESC17	101032	2022-11-24	2023-11-23
SIGNAL ANALYZER	ROHDE&SCHWA RZ	FSQ40	100010	2022-11-24	2023-11-23
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Broadband Preampilifier	SCHWARZBECK	BBV9718D	00008	2023-03-24	2024-03-23
Horn Antenna	SCHWARZBECK	BBHA9120D	2597	2022-05-22	2024-05-21
EZ_EMG	Frad	FA-03A2 RE+	/	/	/
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Log periodic antenna	SCHWARZBECK	VULB 9168	01328	2021-11-28	2023-11-27

#### 4. CONDUCTED EMISSION TEST

##### 4.1 CONDUCTED EMISSION MEASUREMENT

Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.10:2013
Test Frequency Range:	150KHz to 30MHz
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto

##### 4.1.1 POWER LINE CONDUCTED EMISSION Limits

FREQUENCY (MHz)	Limit (dBuV)		Standard
	Quas-peak	Average	
0.15 -0.5	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	56.00	46.00	FCC
5.0 -30.0	60.00	50.00	FCC

Note:

(1) \*Decreases with the logarithm of the frequency.

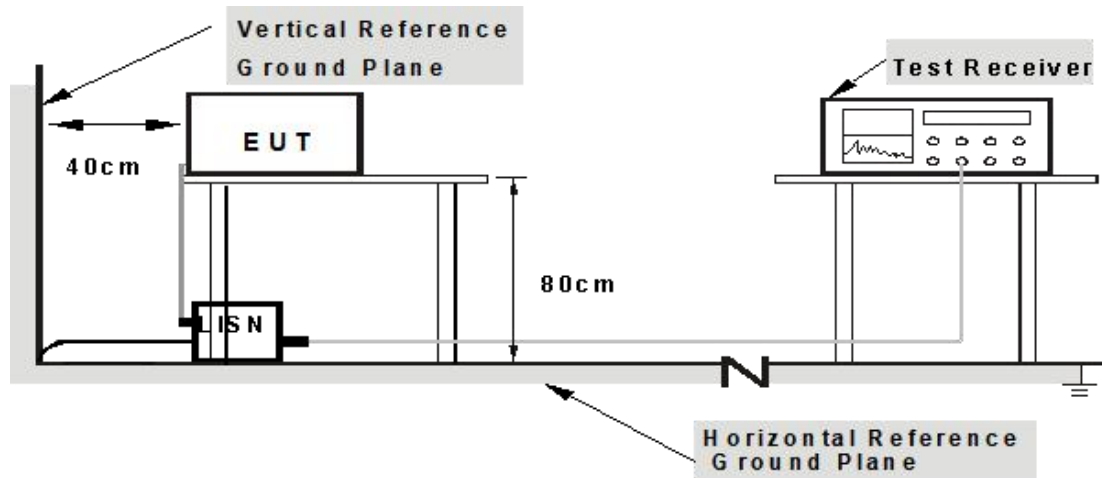
##### 4.1.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

##### 4.1.3 DEVIATION FROM TEST STANDARD

No deviation

#### 4.1.4 TEST SETUP



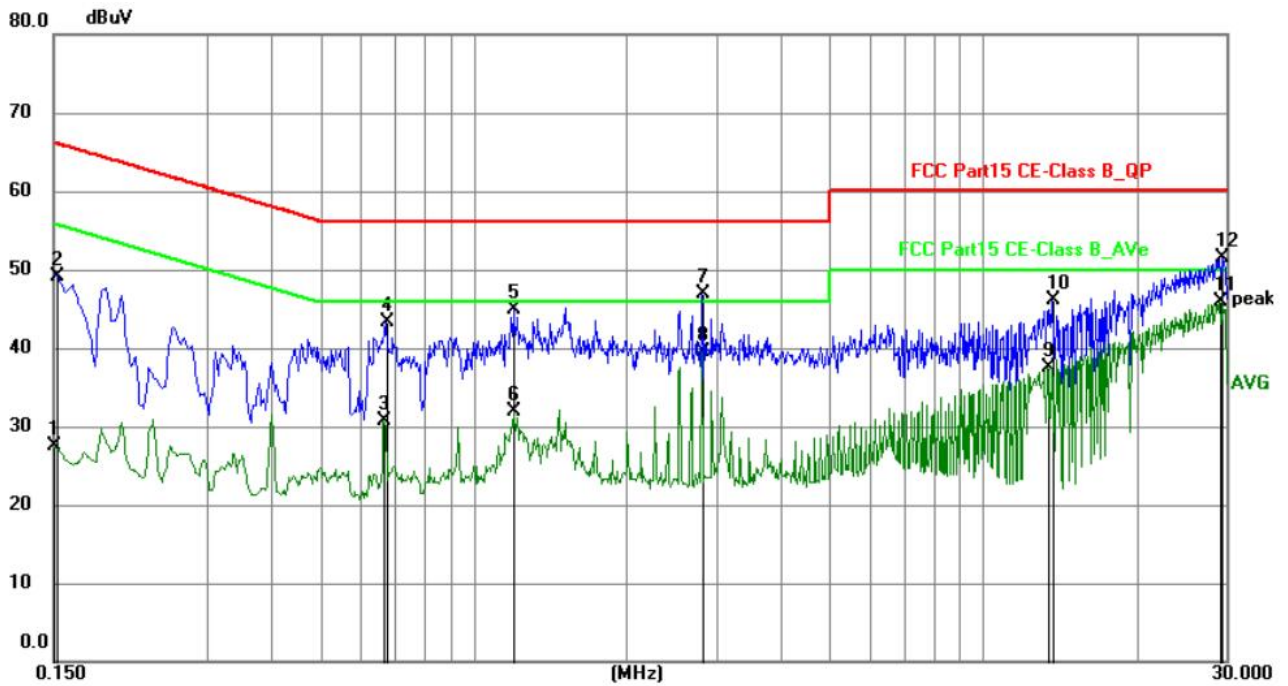
- Note: 1. Support units were connected to second LISN.**  
**2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes**

#### 4.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

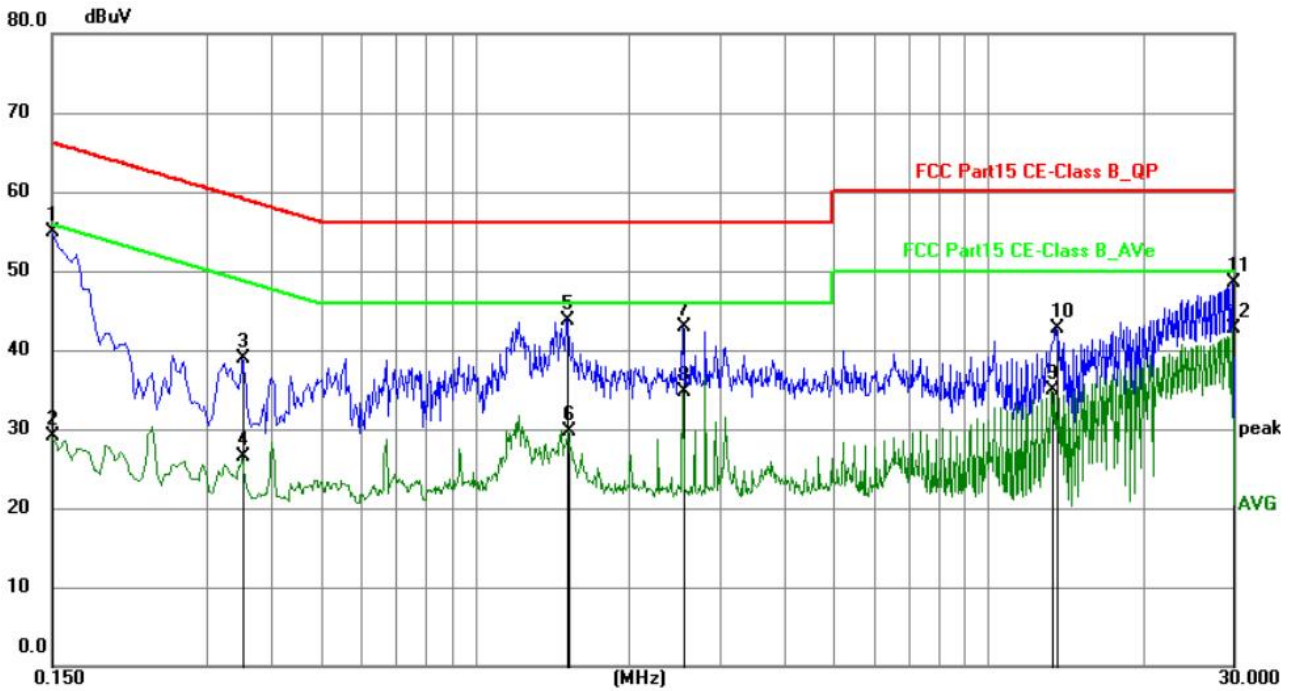
4.1.6 Test Result

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	L
Test Voltage:	AC 120V/60Hz		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	6.93	20.48	27.41	56.00	-28.59	AVG	P	
2	0.1524	28.65	20.49	49.14	65.87	-16.73	QP	P	
3	0.6674	10.07	20.61	30.68	46.00	-15.32	AVG	P	
4	0.6719	22.75	20.61	43.36	56.00	-12.64	QP	P	
5	1.2028	24.16	20.76	44.92	56.00	-11.08	QP	P	
6	1.2028	11.20	20.76	31.96	46.00	-14.04	AVG	P	
7	2.8140	26.18	20.79	46.97	56.00	-9.03	QP	P	
8	2.8140	18.72	20.79	39.51	46.00	-6.49	AVG	P	
9	13.3980	15.99	21.60	37.59	50.00	-12.41	AVG	P	
10	13.6500	24.60	21.60	46.20	60.00	-13.80	QP	P	
11	29.1660	23.94	22.00	45.94	50.00	-4.06	AVG	P	
12	29.4585	29.57	22.01	51.58	60.00	-8.42	QP	P	

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	N
Test Voltage:	AC 120V/60Hz		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	34.40	20.58	54.98	66.00	-11.02	QP	P	
2	0.1500	8.62	20.58	29.20	56.00	-26.80	AVG	P	
3	0.3525	18.23	20.74	38.97	58.90	-19.93	QP	P	
4	0.3525	5.85	20.74	26.59	48.90	-22.31	AVG	P	
5	1.5089	22.88	20.82	43.70	56.00	-12.30	QP	P	
6	1.5224	8.86	20.82	29.68	46.00	-16.32	AVG	P	
7	2.5485	22.04	20.87	42.91	56.00	-13.09	QP	P	
8	2.5485	13.82	20.87	34.69	46.00	-11.31	AVG	P	
9	13.2720	13.28	21.53	34.81	50.00	-15.19	AVG	P	
10	13.5915	21.24	21.53	42.77	60.00	-17.23	QP	P	
11	29.8860	26.52	22.04	48.56	60.00	-11.44	QP	P	
12	29.8860	20.69	22.04	42.73	50.00	-7.27	AVG	P	

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Measurement Level = Reading level + Correct Factor



**5. RADIATED EMISSION MEASUREMENT**

Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.10:2013				
Test Frequency Range:	9kHz to 1GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
	150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average

5.1 Radiated Emission Limits

**Limits for frequency below 30MHz**

Frequency	Limit (uV/m)	Measurement Distance(m)	Remark
0.009-0.490	2400/F(kHz)	300	Quasi-peak Value
0.490-1.705	24000/F(kHz)	30	Quasi-peak Value
1.705-30	30	30	Quasi-peak Value

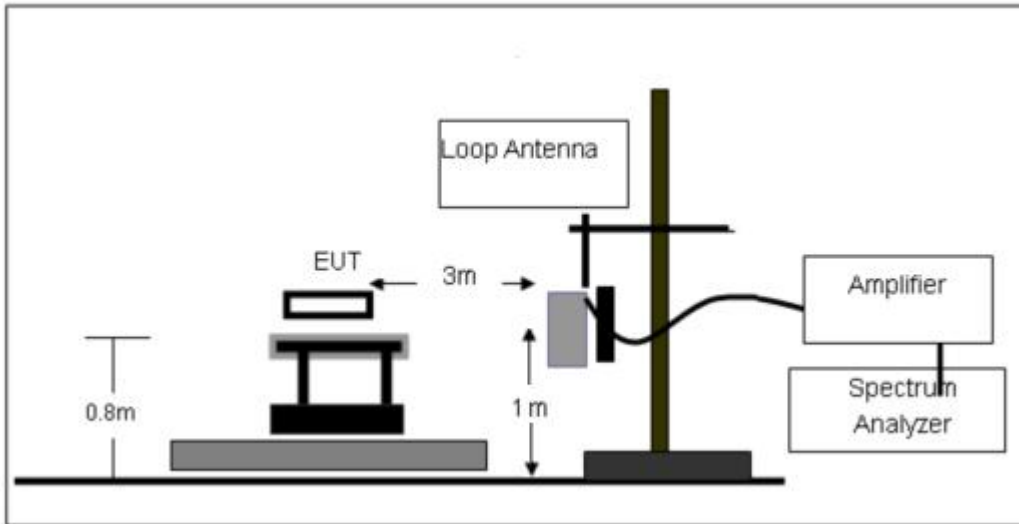
**Limits for frequency Above 30MHz**

Frequency	Limit (dBuV/m @3m)	Remark
30MHz-88MHz	40.00	Quasi-peak Value
88MHz-216MHz	43.50	Quasi-peak Value
216MHz-960MHz	46.00	Quasi-peak Value
960MHz-1GHz	54.00	Quasi-peak Value
Above 1GHz	54.00	Average Value
	74.00	Peak Value

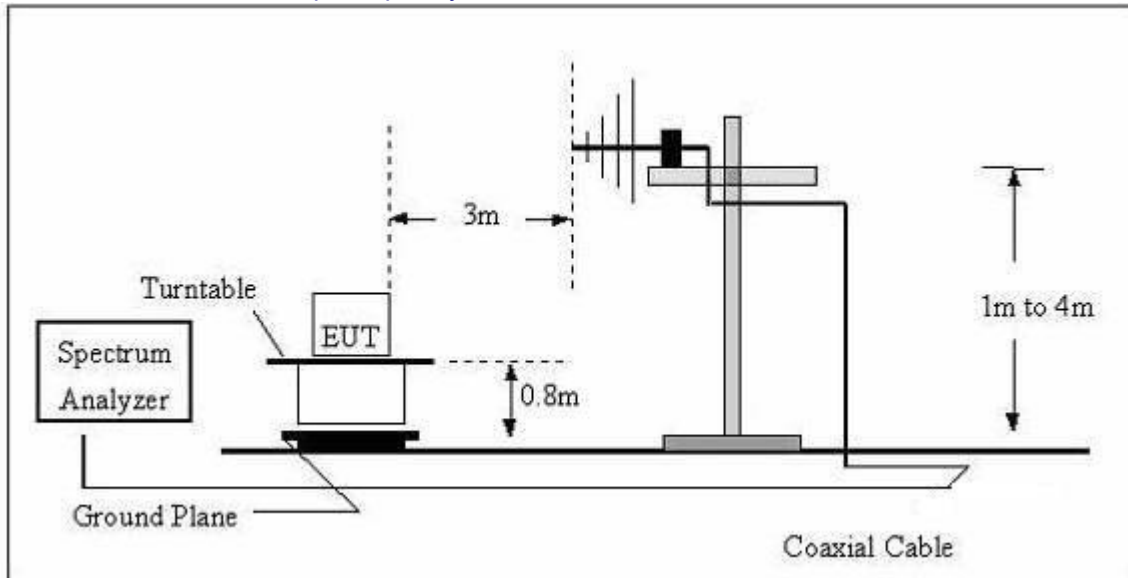


### 5.2 Anechoic Chamber Test Setup Diagram

(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209 and FCC 15.205 limits.

### 5.3 Test Procedure

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on a antenna tower. The antenna can move up and down between 1 to 4 meters to find out the maximum emission level. Broadband antenna (calibrated by dipole antenna) are used as a receiving antenna. Both horizontal and vertical polarization of the antenna are set on measurement.

#### 5.4 DEVIATION FROM TEST STANDARD

No deviation

#### 5.5 Test Result

##### Measurement data:

Note: Limit dBuV/m @3m = Limit dBuV/m @300m+ 80

Limit dBuV/m @3m = Limit dBuV/m @30m + 40

9 kHz~30 MHz

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(kHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
41.02	26.11	24.57	50.68	115.34	-64.66	AV
95.74	29.97	20.95	50.92	107.98	-57.06	QP
119.50	69.85	18.61	88.46	106.06	-17.60	AV
122.50	68.44	20.05	88.49	105.84	-17.35	AV
129.00	69.51	18.36	87.87	105.39	-17.52	AV
743.54	16.62	12.84	29.46	70.18	-40.72	QP
975.23	15.53	11.43	26.96	67.82	-40.86	QP
1498.36	10.74	9.63	20.37	64.09	-43.72	QP

##### Note:

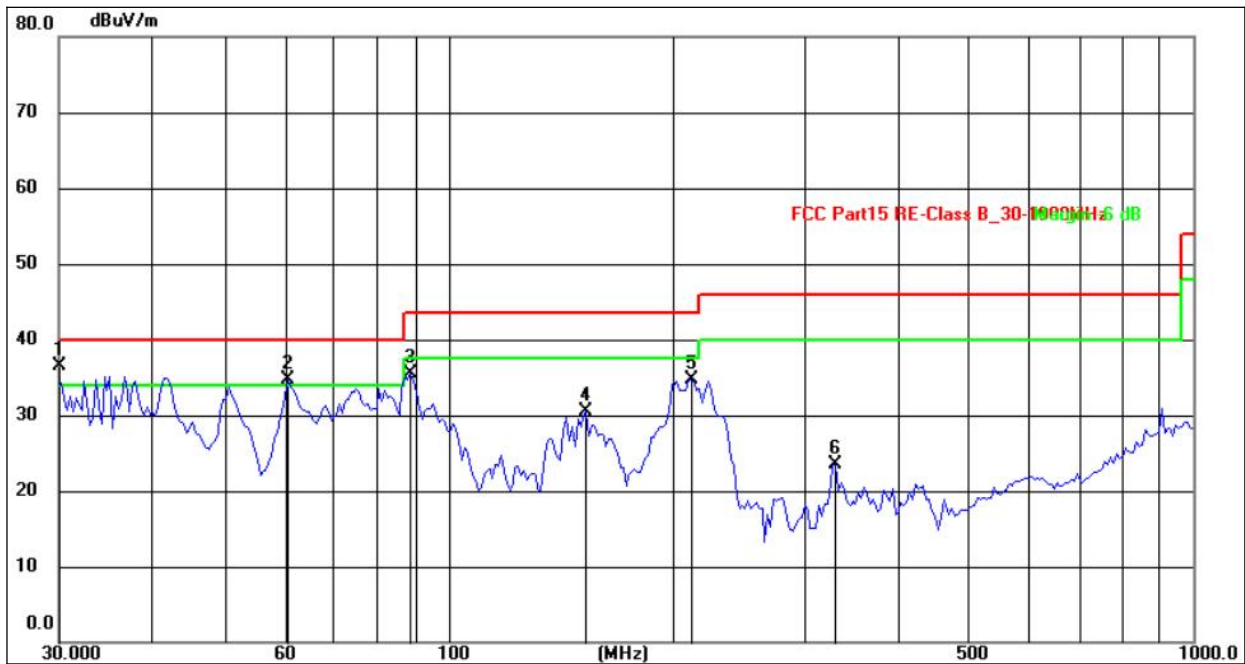
Pre-scan in the all of mode, the worst case in of was recorded.

Factor = antenna factor + cable loss – pre-amplifier.

Margin = Emission Level- Limit.

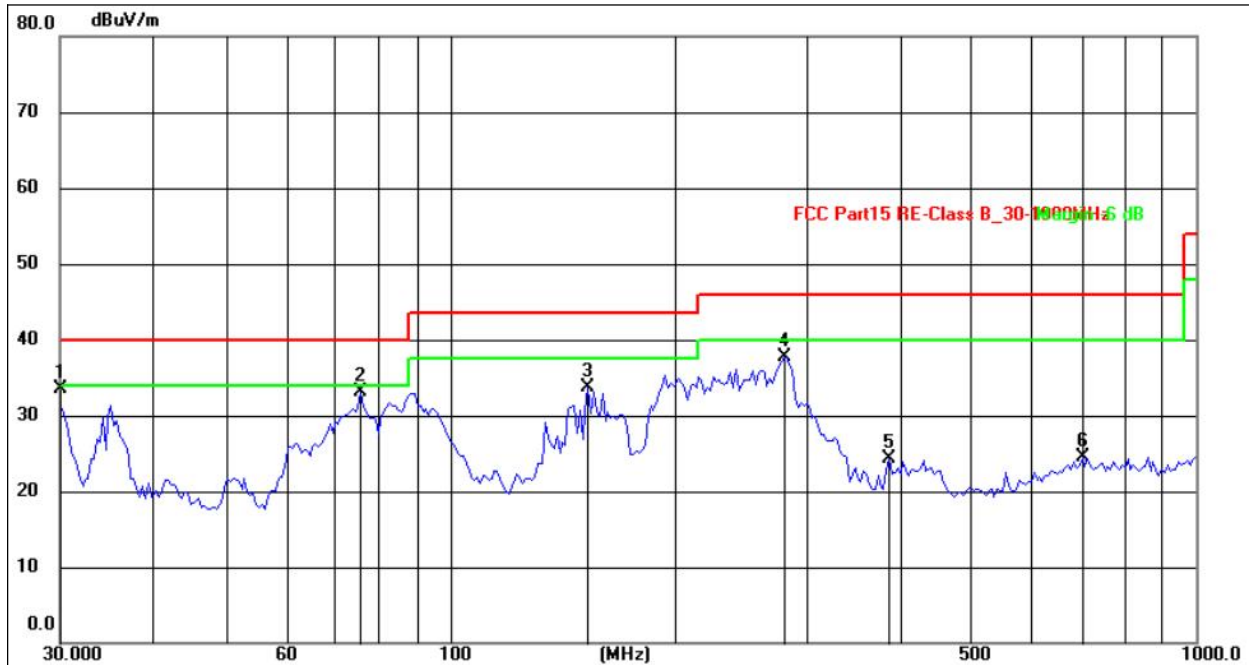
30MHz-1GHz

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 12V		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.0000	54.85	-18.44	36.41	40.00	-3.59	QP
2	61.0242	53.04	-18.42	34.62	40.00	-5.38	QP
3	88.9637	56.95	-21.54	35.41	43.50	-8.09	QP
4	153.2000	50.93	-20.45	30.48	43.50	-13.02	QP
5	211.8976	55.17	-20.51	34.66	43.50	-8.84	QP
6	331.3546	40.75	-17.29	23.46	46.00	-22.54	QP

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 12V		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.0000	47.78	-14.21	33.57	40.00	-6.43	QP
2	75.9770	51.49	-18.42	33.07	40.00	-6.93	QP
3	153.2000	50.08	-16.45	33.63	43.50	-9.87	QP
4	280.5151	52.19	-14.41	37.78	46.00	-8.22	QP
5	387.9917	40.87	-16.62	24.25	46.00	-21.75	QP
6	704.2259	31.28	-6.72	24.56	46.00	-21.44	QP

Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

## 6. ANTENNA REQUIREMENT

Standard requirement:	FCC Part15 C Section 15.203
15.203 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, 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 Loop antenna, the best case gain of the antennas is 0dBi, reference to the appendix II for details	

## **7. TEST SETUP PHOTO**

Reference to the appendix I for details.

## **8. EUT CONSTRUCTIONAL DETAILS**

Reference to the appendix II for details.

**\*\*\*\*\* END OF REPORT \*\*\*\*\***