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FCC TEST REPORT

Report No: STS1811110W02

Issued for

Shenzhen Joway Power Supply Co., Ltd.

Floor 1-5 of Bldg 10th and Bldg 11th, Antuoshan High-Tech Industrial Park, Sha'er Community, Shajing Street, Bao'an District, Shenzhen, China

Product Name:	Wireless Car Charger Mount
Brand Name:	JOWAY
Model Name:	WXC07
Series Model:	N/A
FCC ID:	2AEZ4WXC07
Test Standard:	FCC Part 15 Subpart C

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TEST RESULT CERTIFICATION

Applicant's name: Shenzhen Joway Power Supply Co., Ltd.
 Address.....: Floor 1-5 of Bldg 10th and Bldg 11th, Antuoshan High-Tech Industrial Park, Sha'er Community, Shajing Street, Bao'an District, Shenzhen,China
 Manufacture's Name: Shenzhen Joway Power Supply Co., Ltd.
 Address.....: Floor 1-5 of Bldg 10th and Bldg 11th, Antuoshan High-Tech Industrial Park, Sha'er Community, Shajing Street, Bao'an District, Shenzhen,China

Product description

Product Name: Wireless Car Charger Mount
 Brand Name: JOWAY
 Model Name.....: WXC07
 Series Model: N/A

Test Standards.....: FCC Part 15 Subpart C

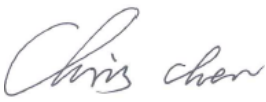
Test Procedure..... : ANSI C63.10-2013

This device described above has been tested by STS, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.
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Date of performance of tests.....: 30 Nov.2018 ~ 18 Dec.2018

Date of Issue: 18 Dec.2018

Test Result.....: **Pass**

Testing Engineer : 

 (Chris chen)

Technical Manager : 

 (Sunday Hu)

Authorized Signatory : 

 (Vita Li)





Table of Contents	Page
1. SUMMARY OF TEST RESULTS	5
1.1 TEST FACTORY	5
1.2 MEASUREMENT UNCERTAINTY	5
2. GENERAL INFORMATION	6
2.1 GENERAL DESCRIPTION OF THE EUT	6
2.2 DESCRIPTION OF THE TEST MODES	7
2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	8
2.4 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS	9
2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS	10
3.CONDUCTED EMISSION TEST RESULT(SECTION 15.207)	11
3.1 POWER LINE CONDUCTED EMISSION LIMITS	11
3.2 TEST PROCEDURE	12
3.3 TEST SETUP	12
3.4 EUT OPERATING CONDITIONS	12
3.5TEST RESULTS	13
4. RADIATED& FIELD EMISSION TEST RESULT(SECTIOU 15.209)	17
4.1 LIMIT	17
4.2 TEST PROCEDURE	17
4.3 TEST SETUP	18
4.4 TEST RESULTS	19
5. 20 DB BANDWIDTH TEST	24
5.1 LIMIT	24
5.2 TEST SETUP	24
5.3 TEST RESULTS	24
APPENDIX-PHOTOS OF TEST SETUP	26



Revision History

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	18 Dec.2018	STS1811110W02	ALL	Initial Issue



1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 , Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.209 (a)	Radiated emission, Spurious Emission	PASS	
15.215	20 dB Bandwidth	PASS	

1.1 TEST FACTORY

Shenzhen STS Test Services Co., Ltd.
 Add. : 1/F., Building B, Zhuoke Science Park, No.190, Chongqing Road,
 Fuyong Street, Bao'an District, Shenzhen, Guangdong, China
 FCC Registration No.: 625569
 IC Registration No.: 12108A; A2LA Certificate No.: 4338.01;

1.2 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	RF output power,conducted	$\pm 0.71\text{dB}$
2	Unwanted Emissions,conducted	$\pm 0.63\text{dB}$
3	All emissions,radiated 30-200MHz	$\pm 3.43\text{dB}$
4	All emissions,radiated 200MHz-1GHz	$\pm 3.57\text{dB}$
5	All emissions,radiated>1G	$\pm 4.13\text{dB}$
6	Conducted Emission(9KHz-150KHz)	$\pm 3.18\text{dB}$
7	Conducted Emission(150KHz-30MHz)	$\pm 2.70\text{dB}$

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	Wireless Car Charger Mount
Trade Name	JOWAY
Model Name	WXC07
Series Model	N/A
Model Difference	N/A
Channel List	Please refer to the Note 2.
Equipemnt Category	Non-ISM frequency
Operating frequency	110.5-205KHZ
Modulation Type	ASK
Power Rating:	Input: 5V/2A, 9V/1.67A (QC) Output: 5W,7.5W,10W (max)
Hardware version number	WXC07V1.0
Software version number	WXC801-JW09-3
Connecting I/O Port(s)	Please refer to the User's Manual

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2.

Channel List					
Channel	Frequency (KHz)	Channel	Frequency (KHz)	Channel	Frequency (KHz)
00	111.13	01	175.1		

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	NOTE
1	JOWAY	WXC07	Coil	N/A	Antenna

2.2 DESCRIPTION OF THE TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	Charging+TX Mode

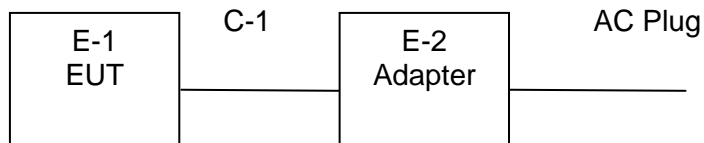
For Conducted Emission	
Final Test Mode	Description
Mode 1	Charging+TX Mode

For Radiated Emission	
Final Test Mode	Description
Mode 1	Charging+TX Mode

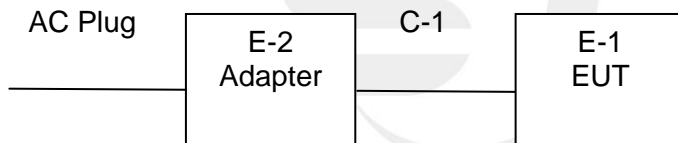
2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters

Radiated Emission Test



Conducted Emission Test





2.4 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

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.

Necessary accessories

Item	Equipment	Mfr/Brand	Model/Type No.	Serial No.	Note
E-2	Adapter	LITEON	PA-1650-86	N/A	N/A
C-1	DC Cable	N/A	N/A	N/A	N/A

Support units

Item	Equipment	Mfr/Brand	Model/Type No.	Serial No.	Note
N/A	N/A	N/A	N/A	N/A	N/A

Note:

- (1) FCC DOC approved.
- (2) FTP is Foiled Twisted Pair.

2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Test Receiver	R&S	ESCI	101427	2018.10.13	2019.10.12
Bilog Antenna	TESEQ	CBL6111D	34678	2017.11.02	2020.11.01
PreAmplifier	SKET	LNPA-01018G-45	SK2018080901	2018.10.13	2019.10.12
Loop Antenna	ZHINAN	ZN30900C	16035	2017.03.11	2020.03.10
USB RF power sensor	DARE	RPR3006W	15I00041SNO03	2018.10.13	2019.10.12

Conduction Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Test Receiver	R&S	ESCI	101427	2018.10.13	2019.10.12
LISN	R&S	ENV216	101242	2018.10.13	2019.10.12
LISN	EMCO	3810/2NM	000-23625	2018.10.13	2019.10.12

3.CONDUCTED EMISSION TEST RESULT(SECTION 15.207)

3.1 POWER LINE CONDUCTED EMISSION LIMITS

Operating frequency band. In case the emission fall within the restricted band specified on Part 15.207 limit in the table below has to be followed.

FREQUENCY (MHz)	Class B (dBuV)	
	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

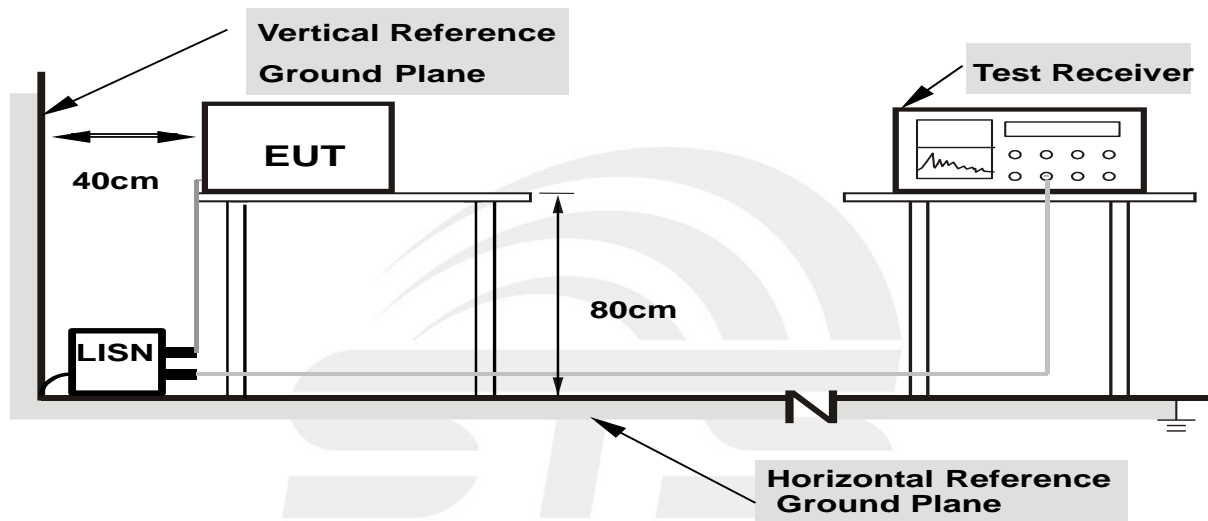
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.2 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.

3.3 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

3.4 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.



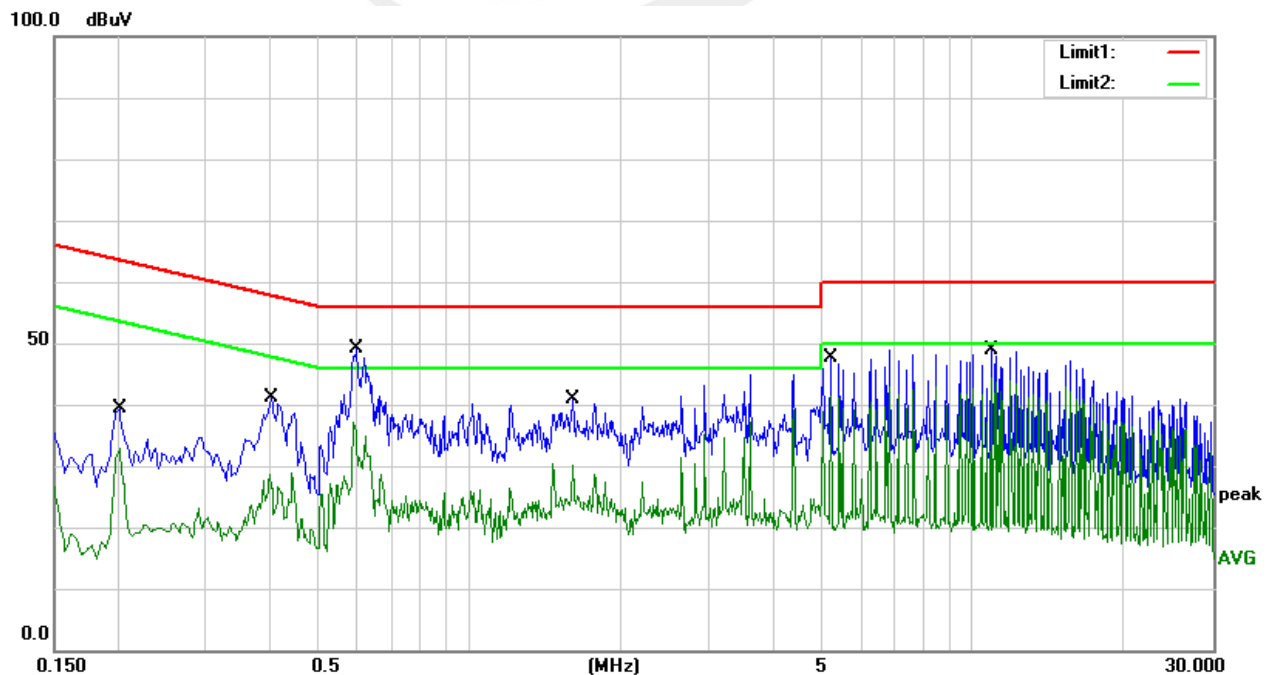
3.5 TEST RESULTS

Temperature:	24.6 °C	Relative Humidity:	67%
Test Voltage:	120V AC 60Hz	Phase:	L
Test Mode:	5Vdc 2A		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.2020	19.09	20.25	39.34	63.53	-24.19	QP
2	0.2020	12.70	20.25	32.95	53.53	-20.58	AVG
3	0.4060	20.59	20.49	41.08	57.73	-16.65	QP
4	0.4060	8.29	20.49	28.78	47.73	-18.95	AVG
5	0.5980	28.66	20.37	49.03	56.00	-6.97	QP
6	0.5980	16.65	20.37	37.02	46.00	-8.98	AVG
7	1.6100	20.80	20.10	40.90	56.00	-15.10	QP
8	1.6100	10.29	20.10	30.39	46.00	-15.61	AVG
9	5.2300	27.58	19.93	47.51	60.00	-12.49	QP
10	5.2300	21.46	19.93	41.39	50.00	-8.61	AVG
11	10.8620	28.89	20.11	49.00	60.00	-11.00	QP
12	10.8620	24.35	20.11	44.46	50.00	-5.54	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result = Reading + Factor) – Limit



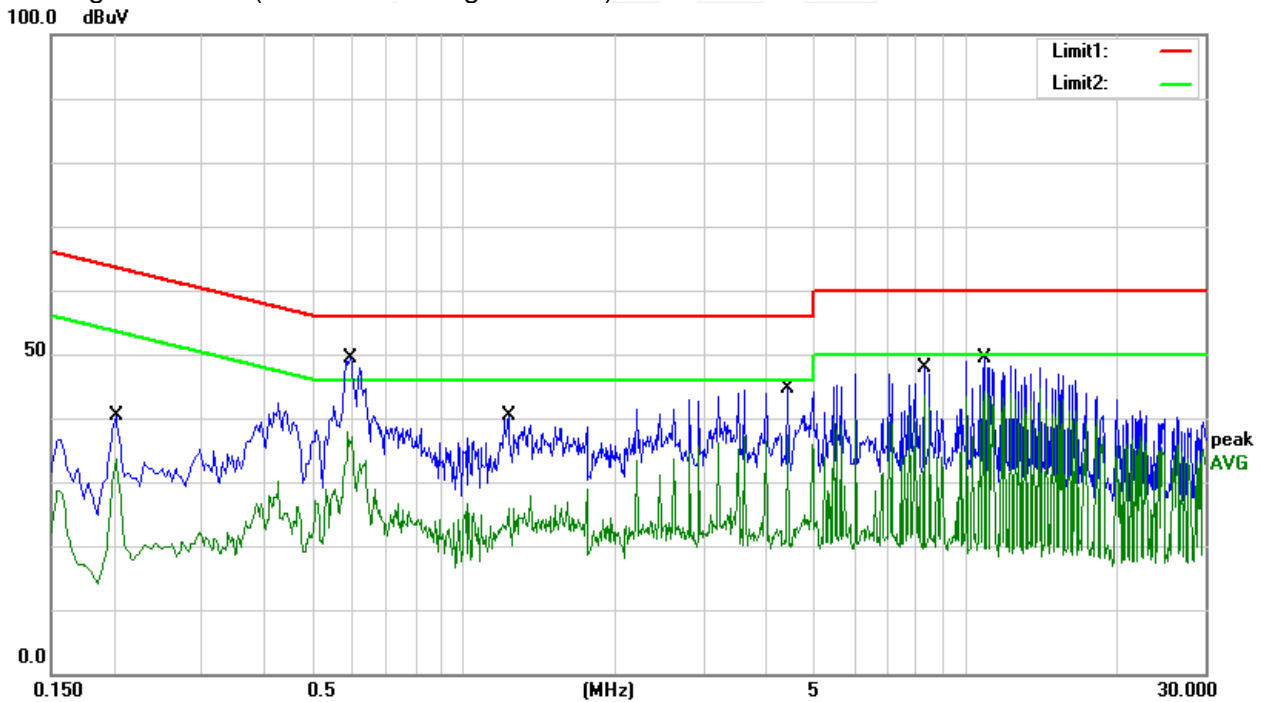


Temperature:	24.6 °C	Relative Humidity:	67%
Test Voltage:	120VAC 60Hz	Phase:	N
Test Mode:	5Vdc 2A		

No.	Frequency (MHz)	Reading (dBUV)	Factor (dB)	Result (dBUV)	Limit (dBUV/m)	Margin (dB)	Detector
1	0.2020	20.20	20.25	40.45	63.53	-23.08	QP
2	0.2020	13.40	20.25	33.65	53.53	-19.88	AVG
3	0.5940	28.96	20.37	49.33	56.00	-6.67	QP
4	0.5940	17.59	20.37	37.96	46.00	-8.04	AVG
5	1.2260	20.13	20.14	40.27	56.00	-15.73	QP
6	1.2260	7.70	20.14	27.84	46.00	-18.16	AVG
7	4.4260	24.75	19.95	44.70	56.00	-11.30	QP
8	4.4260	17.37	19.95	37.32	46.00	-8.68	AVG
9	8.2460	27.77	20.00	47.77	60.00	-12.23	QP
10	8.2460	20.77	20.00	40.77	50.00	-9.23	AVG
11	10.8620	29.24	20.11	49.35	60.00	-10.65	QP
12	10.8620	23.99	20.11	44.10	50.00	-5.90	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result = Reading + Factor) – Limit



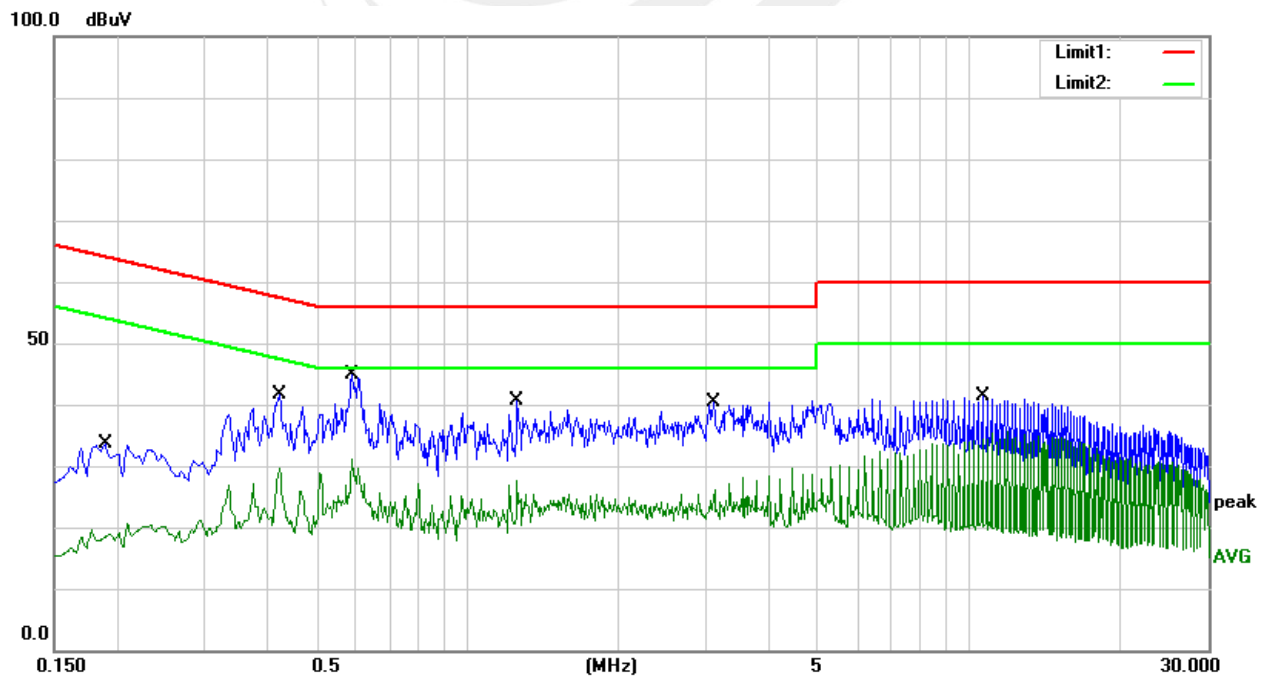


Temperature:	24.6 °C	Relative Humidity:	67%
Test Voltage:	120VAC 60Hz	Phase:	L
Test Mode:	9VDC 1.67A		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.1900	13.45	20.23	33.68	64.04	-30.36	QP
2	0.1900	0.32	20.23	20.55	54.04	-33.49	AVG
3	0.4220	21.22	20.49	41.71	57.41	-15.70	QP
4	0.4220	9.14	20.49	29.63	47.41	-17.78	AVG
5	0.5900	24.59	20.37	44.96	56.00	-11.04	QP
6	0.5900	10.66	20.37	31.03	46.00	-14.97	AVG
7	1.2620	20.39	20.13	40.52	56.00	-15.48	QP
8	1.2620	7.55	20.13	27.68	46.00	-18.32	AVG
9	3.0980	20.33	19.98	40.31	56.00	-15.69	QP
10	3.0980	6.21	19.98	26.19	46.00	-19.81	AVG
11	10.6580	21.16	20.11	41.27	60.00	-18.73	QP
12	10.6580	15.42	20.11	35.53	50.00	-14.47	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result = Reading + Factor) – Limit



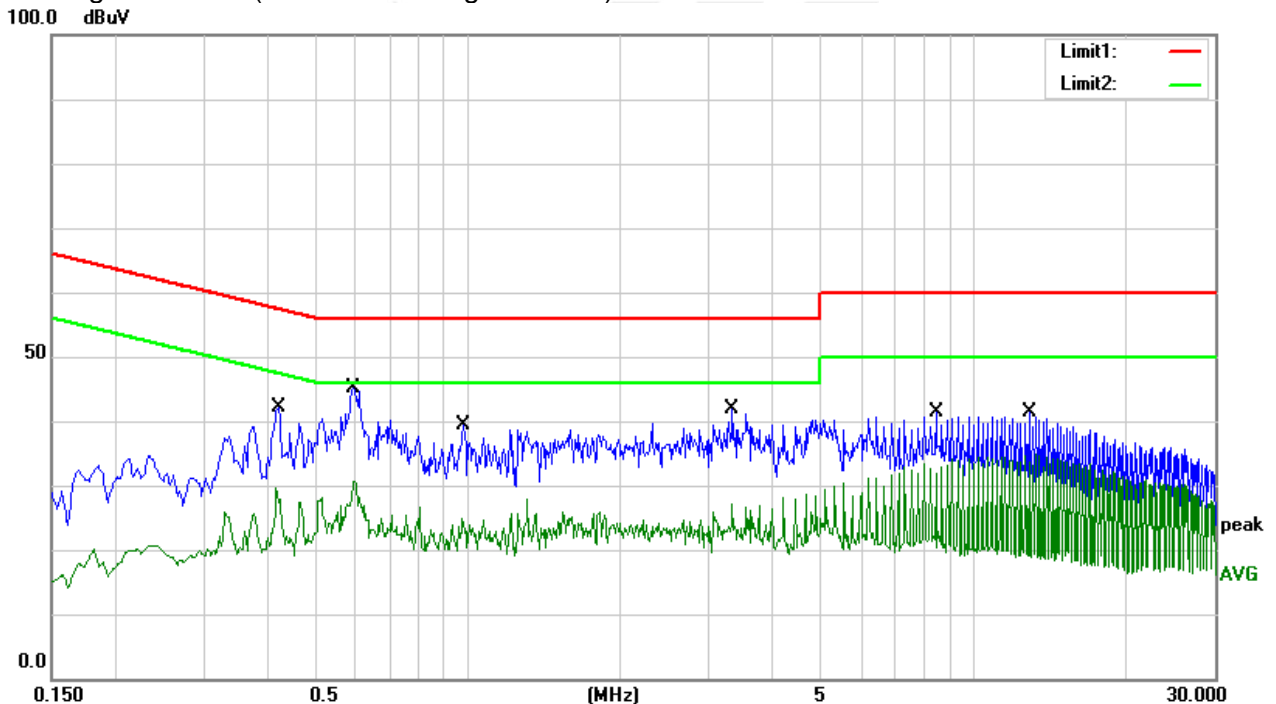


Temperature:	24.6 °C	Relative Humidity:	67%
Test Voltage:	120VAC 60Hz	Phase:	N
Test Mode:	9VDC 1.67A		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.4220	21.54	20.50	42.04	57.41	-15.37	QP
2	0.4220	9.23	20.50	29.73	47.41	-17.68	AVG
3	0.5940	24.67	20.35	45.02	56.00	-10.98	QP
4	0.5940	10.36	20.35	30.71	46.00	-15.29	AVG
5	0.9820	19.30	20.16	39.46	56.00	-16.54	QP
6	0.9820	5.56	20.16	25.72	46.00	-20.28	AVG
7	3.3300	21.83	20.07	41.90	56.00	-14.10	QP
8	3.3300	7.02	20.07	27.09	46.00	-18.91	AVG
9	8.4380	21.43	19.88	41.31	60.00	-18.69	QP
10	8.4380	14.20	19.88	34.08	50.00	-15.92	AVG
11	12.8740	21.48	19.83	41.31	60.00	-18.69	QP
12	12.8740	15.10	19.83	34.93	50.00	-15.07	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result = Reading + Factor) – Limit



Note: The charging of < 1% Battery, 50% Battery, >99% Battery all has been tested, the worst case is charging of < 1% Battery, only shown the worst case in this report.



4. RADIATED& FIELD EMISSION TEST RESULT(SECTIOU 15.209)

4.1 Limit

Frequency [MHz]	Field Strength [uV/m]	Measurement Distance [Meters]
0.009 ~ 0.490	2400/F (kHz)	300
0.490 ~ 1.705	24000/F (kHz)	30
1.705 ~ 30	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

Note:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

Resolution bandwidth:

- i) Below 150 kHz: 300 Hz or CISPR 200 Hz (CISPR 200 Hz required if using QP detector)
- ii) 150 kHz to 30 MHz: 10 kHz or CISPR 9 kHz, (CISPR 9 kHz required if using QP detector)
- iii) 30 MHz to 1000 MHz: 100 kHz or CISPR 120 kHz, (CISPR 120 kHz required if using QP detector)
- iv) Above 1 GHz: 1 MHz

§ 15.209(d)The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

4.2 TEST PROCEDURE

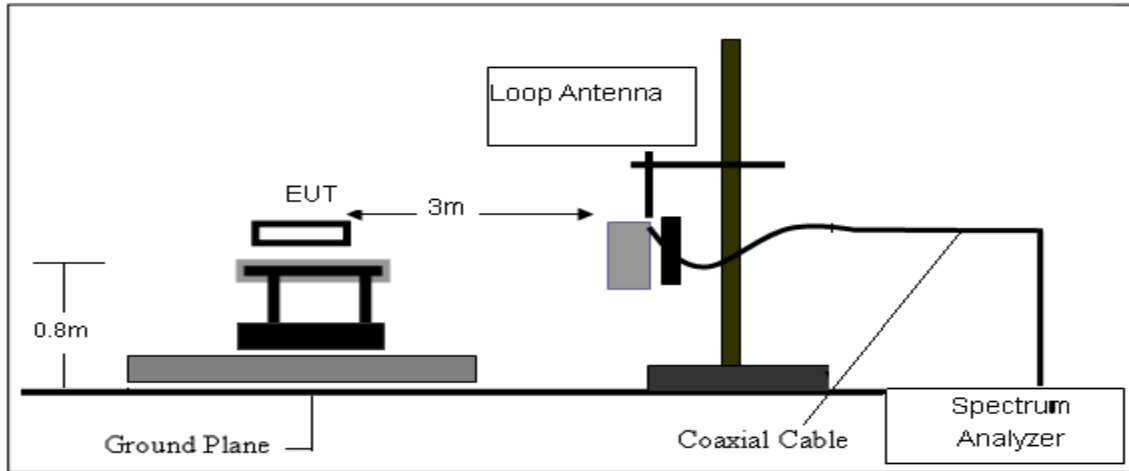
- a. The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz.
- b. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- d. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

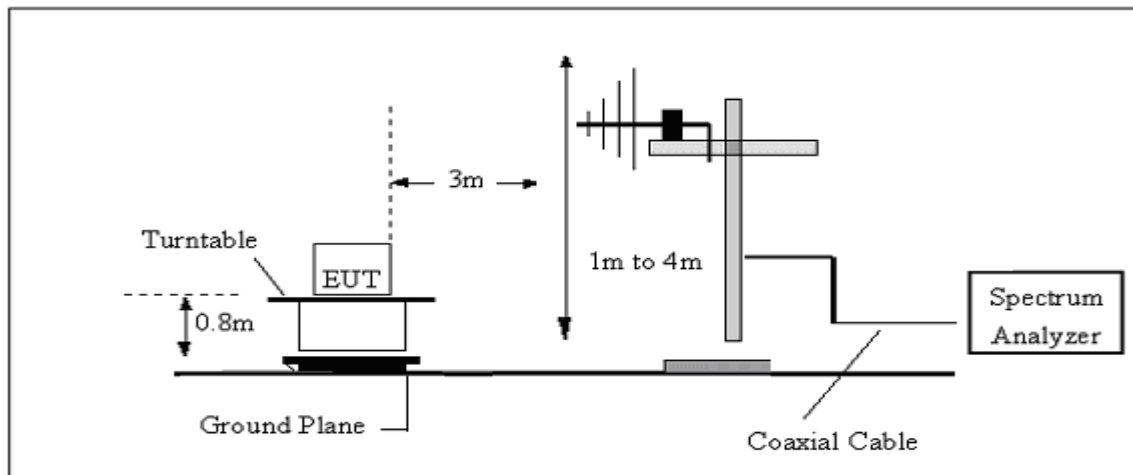
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

4.3 TEST SETUP

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



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



4.4 TEST RESULTS

Temperature :	25.3 °C	Relative Humidity :	50%
Test Voltage :	DC 5V/DC 9V	Test Mode :	TX Mode

4.4.1 Spurious Radiated Emission Below 30 MHz

Test voltage: DC 5V

Frequency	Reading	Detector	Ant. Factor	Cable	Emission	Limits	Margin
(KHz)	(dBµV)	(PK/QP/AV)	(dB/m)	Loss	Level (dBµV/m)	(dBµV/m)	(dB)
15	74.88	PK	26.27	0.1	101.25	144.08	-42.83
15	59.54	AV	26.27	0.1	85.91	124.08	-38.17
36	70.26	PK	22.03	0.1	92.39	136.48	-44.09
36	55.41	AV	22.03	0.1	77.54	116.48	-38.94
110	77.42	PK	10.04	0.1	87.56	126.78	-39.22
110	62.64	AV	10.04	0.1	72.78	106.78	-34.00
111.13	96.33	PK	9.43	0.1	105.86	126.69	-20.83
111.13	80.72	AV	9.43	0.1	90.25	106.69	-16.44
527	64.55	QP	1.15	0.1	65.80	73.17	-7.37
21736	69.5	QP	-17.9	0.9	52.50	69.54	-17.04

Test voltage: DC 9V

Frequency	Reading	Detector	Ant. Factor	Cable	Emission	Limits	Margin
(KHz)	(dBµV)	(PK/QP/AV)	(dB/m)	Loss	Level (dBµV/m)	(dBµV/m)	(dB)
15	75.15	PK	26.27	0.1	101.52	144.08	-42.56
15	59.27	AV	26.27	0.1	85.64	124.08	-38.44
36	70.62	PK	22.03	0.1	92.75	136.48	-43.73
36	55.26	AV	22.03	0.1	77.39	116.48	-39.09
110	77.52	PK	10.04	0.1	87.66	126.78	-39.12
110	62.72	AV	10.04	0.1	72.86	106.78	-33.92
175.1	96.7	PK	9.43	0.1	106.23	122.74	-16.51
175.1	80.54	AV	9.43	0.1	90.07	102.74	-12.67
522	64.23	QP	1.15	0.1	65.48	73.25	-7.77
21623	69.5	QP	-17.9	0.9	52.50	69.54	-17.04

1. “*” Means Fundamental frequency
2. Emission Level [dBµV/m] = Reading [dBµV] + Ant. Factor [dB/m] + Cable Loss [dB]
3. Margin [dB] = Emission Level [dBµV/m] – Limit [dBµV/m]
4. Limit calculation: Limit at specified distance + 40log (300/3) = Limit + 80 dB for up to 0.49 MHz
Limit at specified distance + 40log (30/3) = Limit + 40 dB for above 0.49 MHz, Below 30 MHz
5. During the radiated emission test, the measurement antenna was aligned along the site axis and orthogonal to the axis, only the worst-case data recorded.
6. The charging of < 1% Battery, 50% Battery, >99% Battery all has been tested, the worst case is charging of < 1% Battery, only shown the worst case in this report.

4.4.2 Spurious Radiated Emission below 1 GHz

Temperature :	25.3 °C	Relative Humidity :	50%
Test Voltage :	DC 5V	Test Mode :	Mode 1

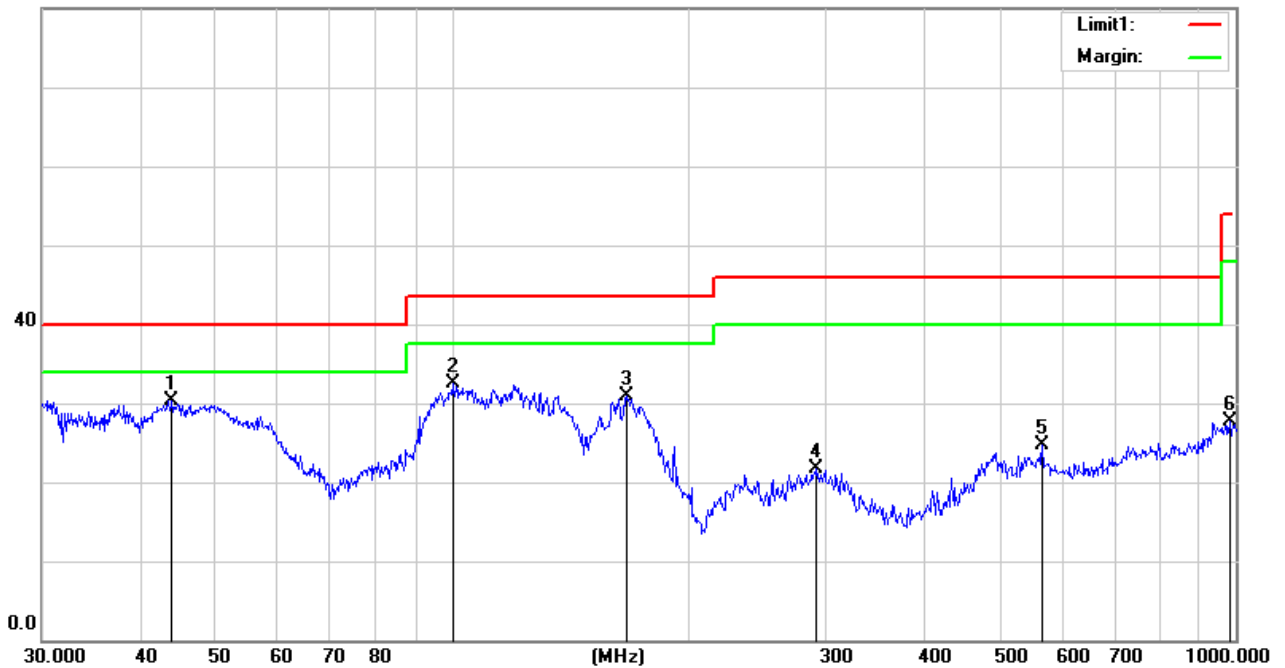
The following table shows the highest levels of radiated emissions on polarizations of vertical

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
43.9658	48.66	-18.37	30.29	40.00	-9.71	QP
100.2286	51.58	-19.17	32.41	43.50	-11.09	QP
167.2368	49.93	-19.10	30.83	43.50	-12.67	QP
292.0583	36.94	-15.29	21.65	46.00	-24.35	QP
566.6223	31.29	-6.61	24.68	46.00	-21.32	QP
982.6200	27.90	-0.14	27.76	54.00	-26.24	QP

Remark:

1. Margin = Result (Result =Reading + Factor) –Limit

80.0 dBuV/m





Temperature :	25.3 °C	Relative Humidity :	50%
Test Voltage :	DC 5V	Test Mode :	Mode 1

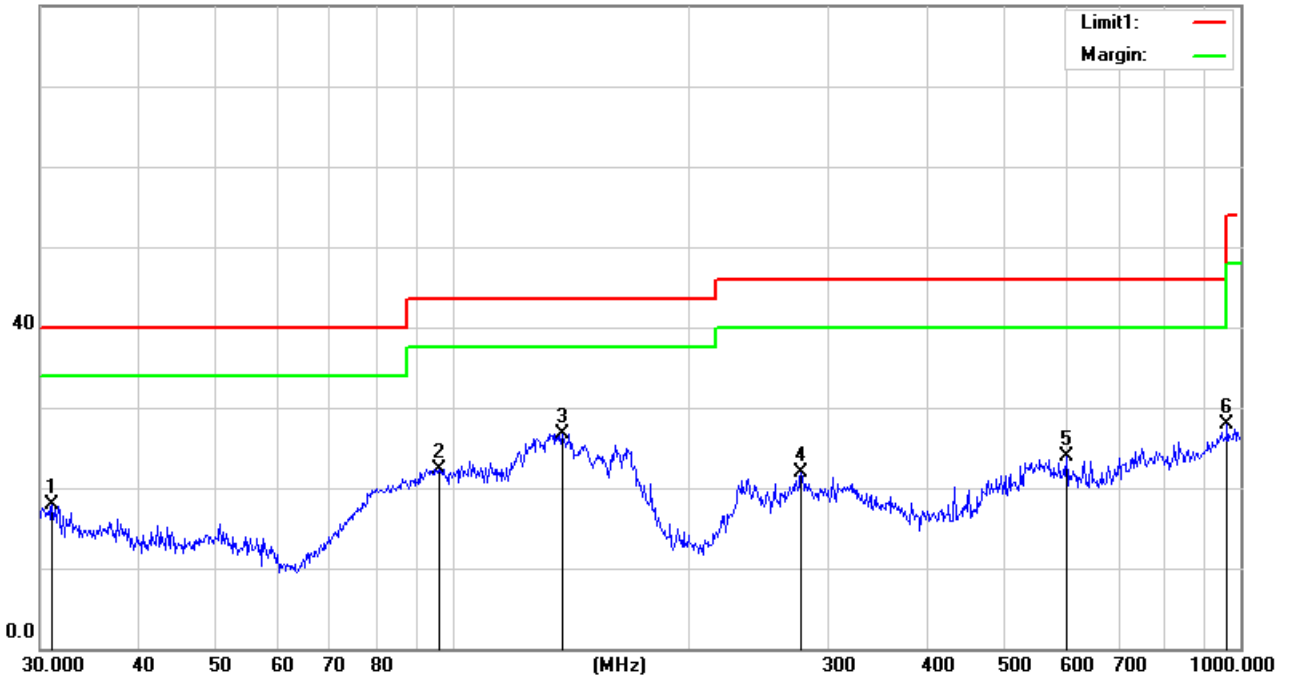
The following table shows the highest levels of radiated emissions on polarizations of horizontal

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
31.0706	29.62	-11.74	17.88	40.00	-22.12	QP
96.0986	41.86	-19.58	22.28	43.50	-21.22	QP
137.9028	44.21	-17.52	26.69	43.50	-16.81	QP
277.0935	37.59	-15.71	21.88	46.00	-24.12	QP
601.4265	30.97	-7.12	23.85	46.00	-22.15	QP
962.1623	28.06	-0.12	27.94	54.00	-26.06	QP

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit

80.0 dBuV/m





Temperature :	25.3 °C	Relative Humidity :	50%
Test Voltage :	DC 9V	Test Mode :	Mode 1

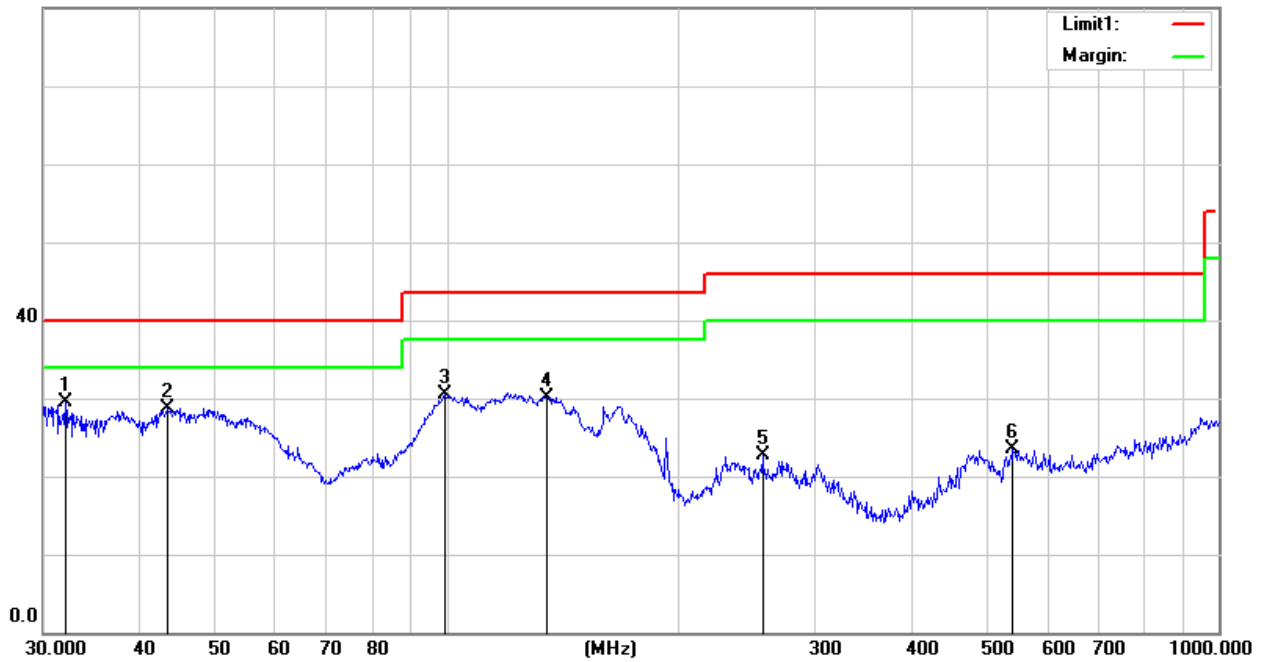
The following table shows the highest levels of radiated emissions on polarizations of vertical

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
32.0667	41.75	-12.25	29.50	40.00	-10.50	QP
43.5057	46.81	-18.13	28.68	40.00	-11.32	QP
99.5281	49.66	-19.23	30.43	43.50	-13.07	QP
134.5592	47.73	-17.54	30.19	43.50	-13.31	QP
256.5211	38.18	-15.50	22.68	46.00	-23.32	QP
541.3725	30.55	-6.97	23.58	46.00	-22.42	QP

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit

80.0 dBuV/m



Temperature :	25.3°C	Relative Humidity :	50%
Test Voltage :	DC 9V	Test Mode :	Mode 1

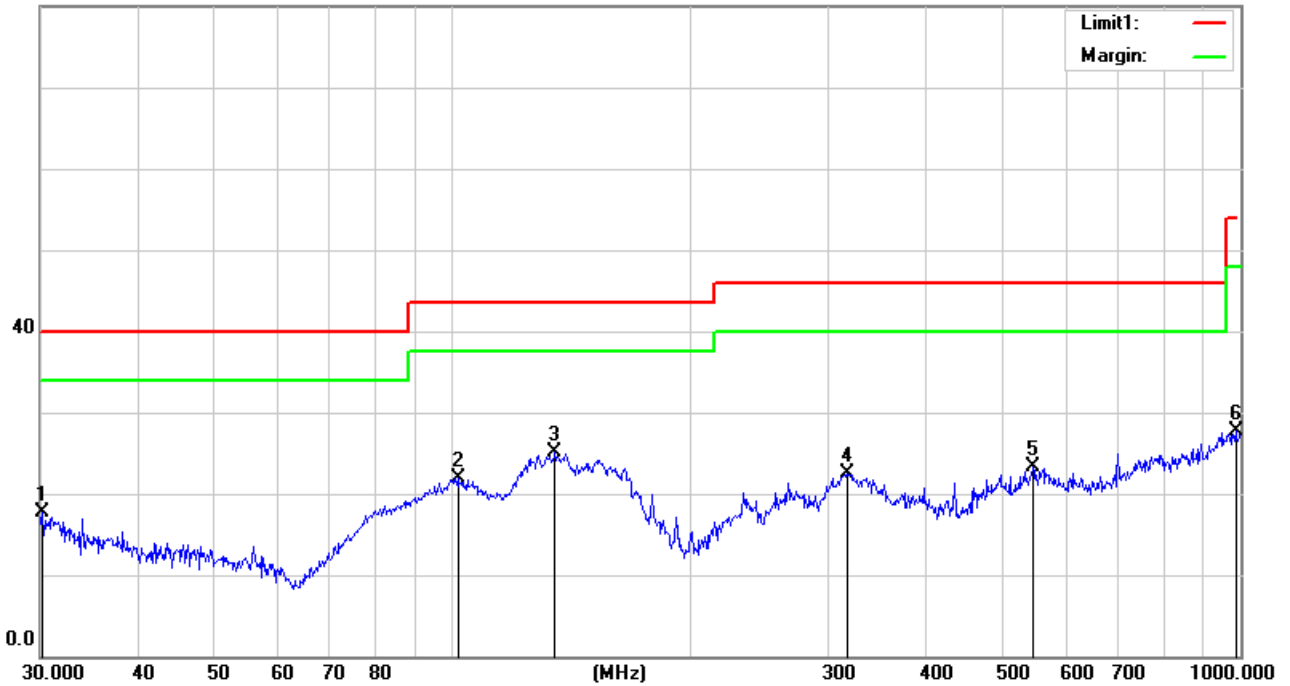
The following table shows the highest levels of radiated emissions on polarizations of horizontal

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
30.2111	29.07	-11.30	17.77	40.00	-22.23	QP
101.6443	40.94	-19.05	21.89	43.50	-21.61	QP
135.0320	42.67	-17.52	25.15	43.50	-18.35	QP
316.5890	36.71	-14.28	22.43	46.00	-23.57	QP
545.1826	30.13	-6.89	23.24	46.00	-22.76	QP
986.0717	27.91	-0.12	27.79	54.00	-26.21	QP

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit

80.0 dBuV/m



Note: The charging of < 1% Battery, 50% Battery, > 99% Battery all has been tested, the worst case is charging of < 1% Battery, only shown the worst case in this report.

5. 20 DB BANDWIDTH TEST

5.1 Limit

FCC Part 2.1049, Only applicable to report.

5.2 TEST SETUP

Spectrum Parameter	Setting
Span Frequency	approximately 2 to 3 times the 20 dB bandwidth
RB	greater than 1 % of the 20 dB bandwidth,
VB	equal to the RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

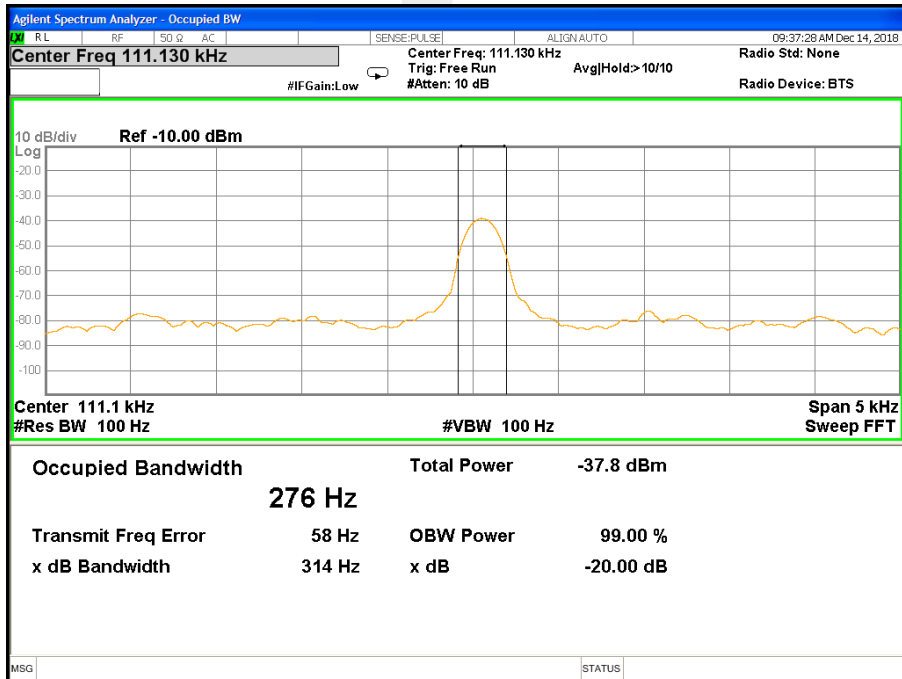
The test program and configuration, Refer to 4.2 and 4.3

5.3 TEST RESULTS

Test voltage: DC 5V

Operating Frequency (kHz)	20 dB Bandwidth(Hz)
111.13	314

CH00

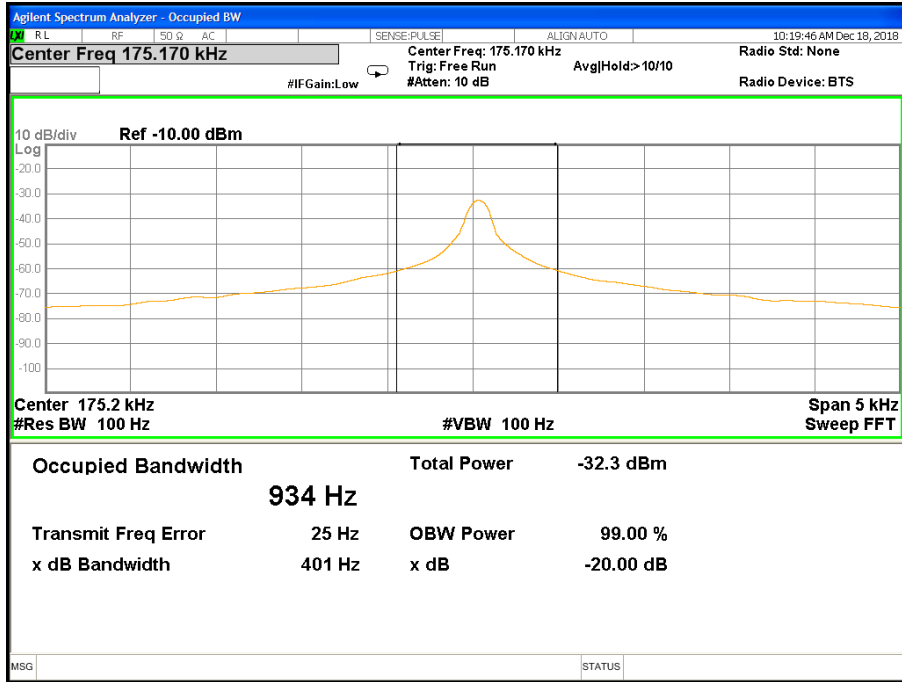




Test voltage: DC 9V

OperatingFrequency (kHz)	20 dB Bandwidth(Hz)
175.1	401

CH00



Note: The charging of < 1% Battery, 50% Battery, > 99% Battery all has been tested, the worst case is charging of < 1% Battery, only shown the worst case in this report.



APPENDIX-PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

※※※※※END OF THE REPORT※※※※※

