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FCC TEST REPORT

Report No: STS1904230W01

Issued for

Shenzhen Veister Tech Co., Ltd

4F Block B, No.2 Huangfeng Industrial Area ,HangKong
Road, Baoan, Shenzhen City , China

Product Name:	HD UNIVERSAL QI CHARGER PLATE
Brand Name:	ROADKING.
Model Name:	RK04102
Series Model:	WP-1131, WP-1132, WP -1133
FCC ID:	2AS7DRK04102
Test Standard:	FCC Part 15 Subpart C

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**TEST RESULT CERTIFICATION**

Applicant's Name: Shenzhen Veister Tech Co., Ltd
Address.....: 4F Block B, No.2 Huangfeng Industrial Area ,HangKong Road,
Baoan, Shenzhen City , China
Manufacture's Name: Shenzhen Veister Tech Co., Ltd
Address.....: 4F Block B, No.2 Huangfeng Industrial Area ,HangKong Road,
Baoan, Shenzhen City , China

Product Description

Product Name: HD UNIVERSAL QI CHARGER PLATE
Brand Name: ROADKING.
Model Name.....: RK04102
Series Model: WP-1131, WP-1132, WP -1133

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.....: 28 Apr. 2019 ~ 09 May 2019

Date of Issue: 13 May 2019

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

Testing Engineer :

(Chris Chen)

Technical Manager :

(Sunday Hu)

Authorized Signatory :

(Vita Li)





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**Revision History**

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	13 May 2019	STS1904230W01	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	
2.1049	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 test Firm Registration Number: 625569

A2LA Certificate No.: 4338.01;

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expended 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	Uncertainly
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	HD UNIVERSAL QI CHARGER PLATE
Trade Name	ROADKING.
Model Name	RK04102
Series Model	WP-1131, WP-1132, WP -1133
Model Difference	Only different in model name
Channel List	Please refer to the Note 2.
Equipemnt Category	Non-ISM frequency
Operating frequency	110.5-205KHZ
Modulation Type	ASK
Power Rating:	Wireless charging Input: 5V/2A, 9V/2A(QC) Output: 5W/7.5W/10W
Hardware version number	CH3703C
Software version number	E9BE
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	175.44	01	146.52		

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	NOTE
1	ROADKING.	RK04102	Coil	N/A	Antenna

2.2 DESCRIPTION OF THE TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly 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

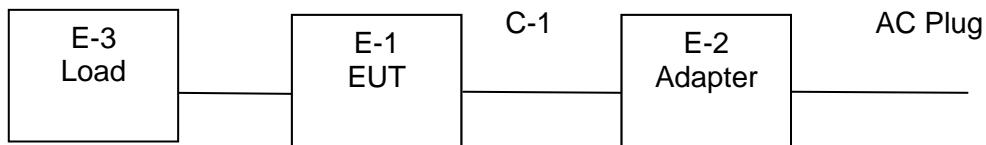
For Conducted Emission	
Final Test Mode	Description
Mode 1	Charging+TX Mode

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

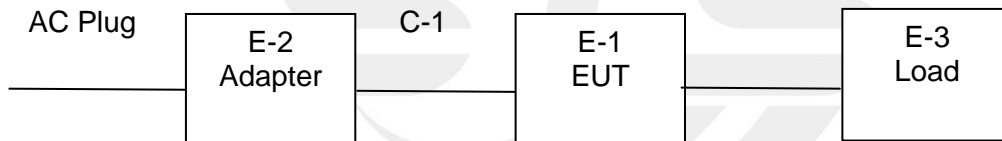
2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

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	100cm	N/A	N/A

Support units

Item	Equipment	Mfr/Brand	Model/Type No.	Serial No.	Note
E-3	Load	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
Signal Analyzer	Agilent	N9020A	MY51110105	2019.03.02	2020.03.01
Active loop Antenna	ZHINAN	ZN30900C	16035	2018.03.11	2021.03.10
Bilog Antenna	TESEQ	CBL6111D	34678	2017.11.02	2020.11.01
Pre-Amplifier (0.1M-3GHz)	EM	EM330	060665	2018.10.13	2019.10.12
Temperature & Humidity	HH660	Mieo	N/A	2018.10.11	2019.10.10

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	2018.10.11	2019.10.10
LISN	EMCO	3810/2NM	23625	2018.10.11	2019.10.10
Temperature & Humidity	HH660	Mieo	N/A	2018.10.11	2019.10.10

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.

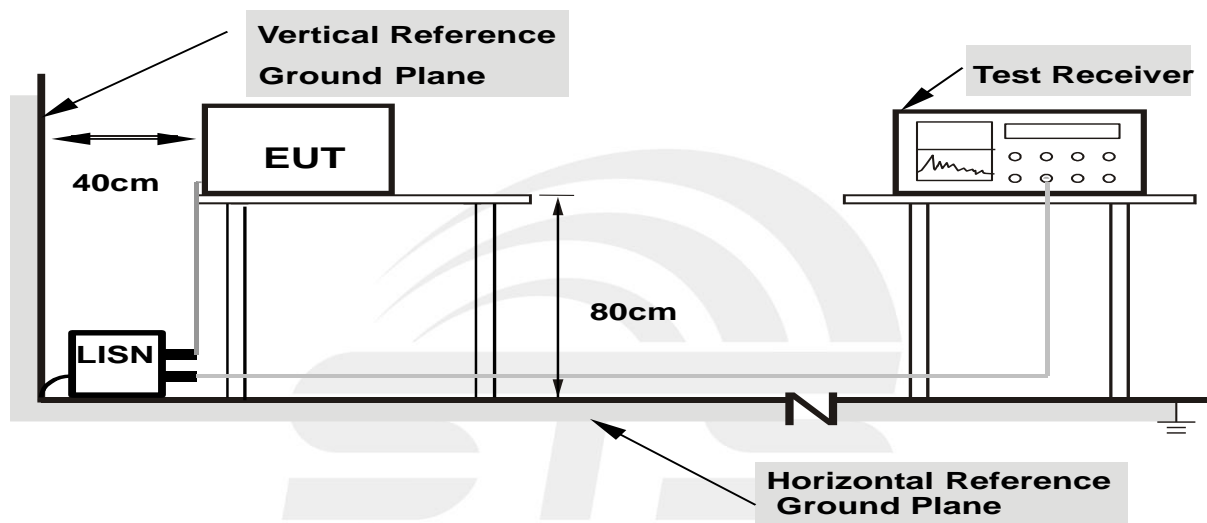
The following table is the setting of the receiver

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

3.2 TEST PROCEDURE

- 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.
- 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.
- 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.
- LISN at least 80 cm from nearest part of EUT chassis.
- 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 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

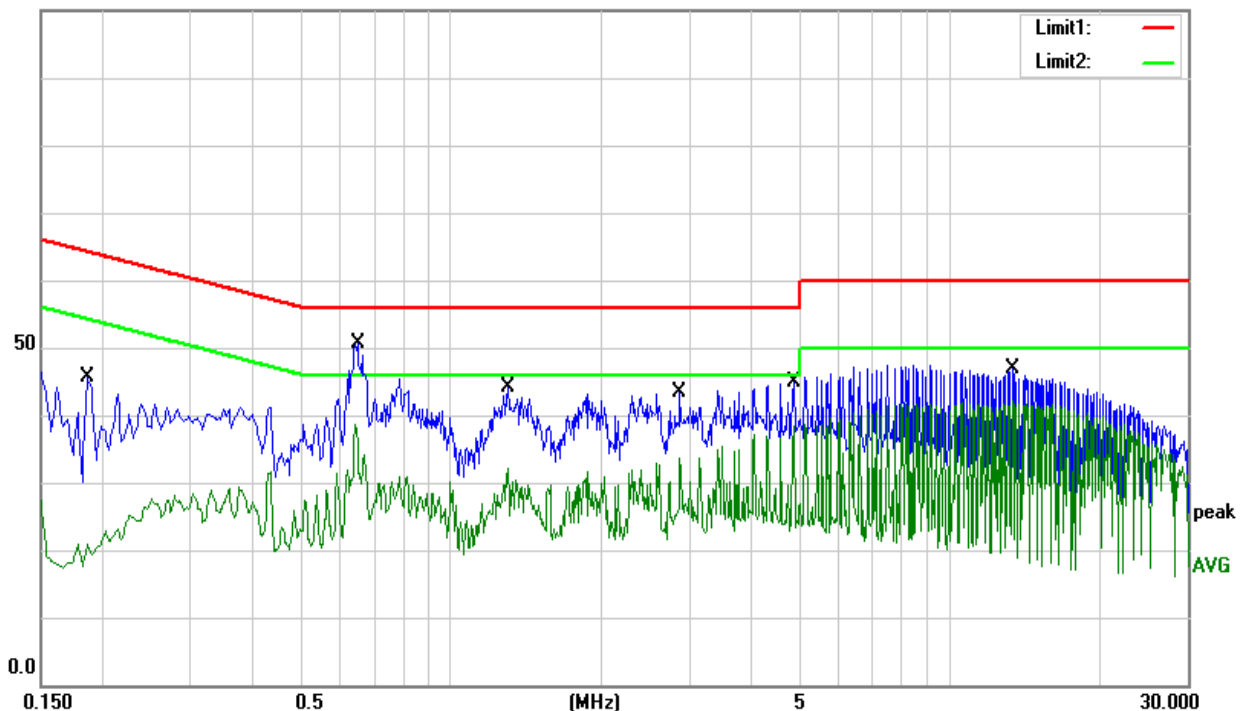
Temperature:	25.8 °C	Relative Humidity:	61%
Test Mode:	DC 5V	Phase:	L
Test Voltage:	AC120V 60Hz		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1860	25.26	20.29	45.55	64.21	-18.66	QP
2	0.1860	8.48	20.29	28.77	54.21	-25.44	AVG
3	0.6500	30.42	20.31	50.73	56.00	-5.27	QP
4	0.6500	10.50	20.31	30.81	46.00	-15.19	AVG
5	1.2980	23.96	20.16	44.12	56.00	-11.88	QP
6	1.2980	11.82	20.16	31.98	46.00	-14.02	AVG
7	2.8740	23.21	20.09	43.30	56.00	-12.70	QP
8	2.8740	16.98	20.09	37.07	46.00	-8.93	AVG
9	4.8740	24.80	20.03	44.83	56.00	-11.17	QP
10	4.8740	21.67	20.03	41.70	46.00	-4.30	AVG
11	13.3820	26.96	19.82	46.78	60.00	-13.22	QP
12	13.3820	21.84	19.82	41.66	50.00	-8.34	AVG

Remark:

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

100.0 dBuV





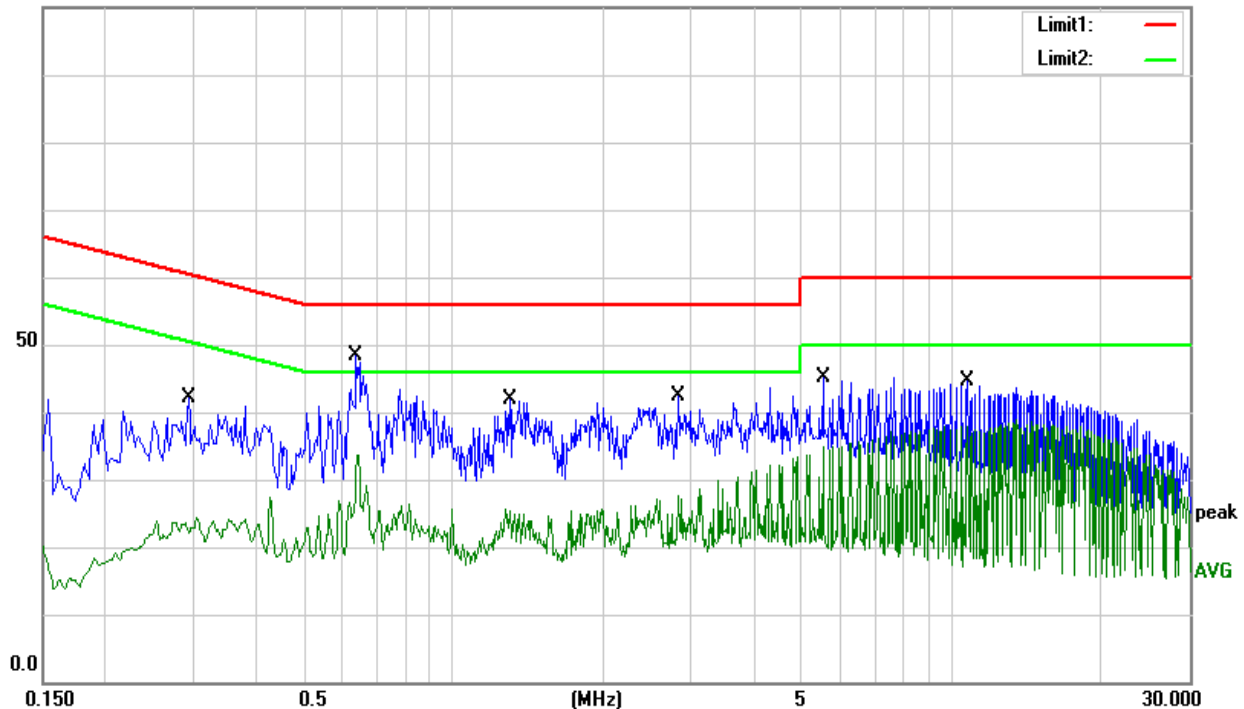
Temperature:	25.8 °C	Relative Humidity:	61%
Test Mode:	DC 5V	Phase:	N
Test Voltage:	AC120V 60Hz		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.2940	21.35	20.74	42.09	60.41	-18.32	QP
2	0.2940	2.13	20.74	22.87	50.41	-27.54	AVG
3	0.6380	28.17	20.33	48.50	56.00	-7.50	QP
4	0.6380	3.89	20.33	24.22	46.00	-21.78	AVG
5	1.3020	21.81	20.16	41.97	56.00	-14.03	QP
6	1.3020	5.56	20.16	25.72	46.00	-20.28	AVG
7	2.8380	22.37	20.10	42.47	56.00	-13.53	QP
8	2.8380	11.31	20.10	31.41	46.00	-14.59	AVG
9	5.5180	25.08	19.97	45.05	60.00	-14.95	QP
10	5.5180	17.23	19.97	37.20	50.00	-12.80	AVG
11	10.7620	24.83	19.85	44.68	60.00	-15.32	QP
12	10.7620	18.42	19.85	38.27	50.00	-11.73	AVG

Remark:

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

100.0 dBuV





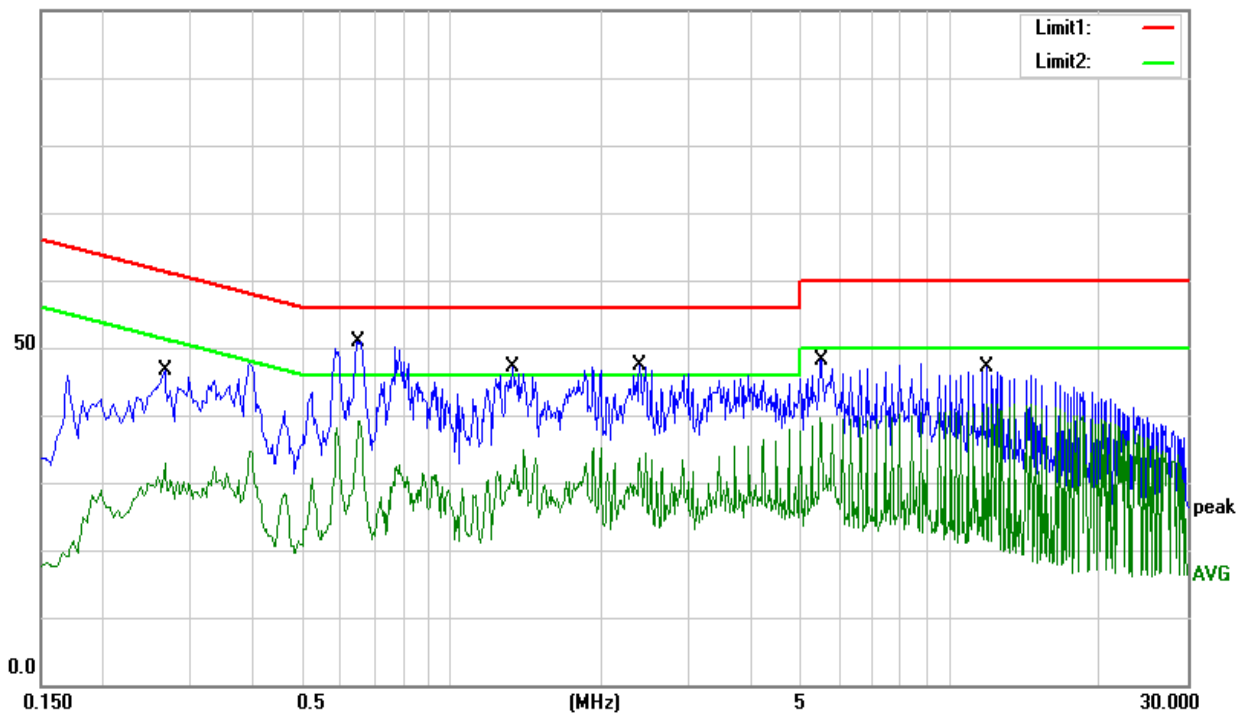
Temperature:	25.8 °C	Relative Humidity:	61%
Test Mode:	DC 9V	Phase:	L
Test Voltage:	AC120V 60Hz		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.2660	25.99	20.61	46.60	61.24	-14.64	QP
2	0.2660	7.63	20.61	28.24	51.24	-23.00	AVG
3	0.6500	30.66	20.31	50.97	56.00	-5.03	QP
4	0.6500	8.01	20.31	28.32	46.00	-17.68	AVG
5	1.3260	27.10	20.15	47.25	56.00	-8.75	QP
6	1.3260	8.97	20.15	29.12	46.00	-16.88	AVG
7	2.3860	27.28	20.12	47.40	56.00	-8.60	QP
8	2.3860	8.05	20.12	28.17	46.00	-17.83	AVG
9	5.5180	28.16	19.97	48.13	60.00	-11.87	QP
10	5.5180	6.36	19.97	26.33	50.00	-23.67	AVG
11	11.9020	27.19	19.84	47.03	60.00	-12.97	QP
12	11.9020	7.87	19.84	27.71	50.00	-22.29	AVG

Remark:

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

100.0 dBuV





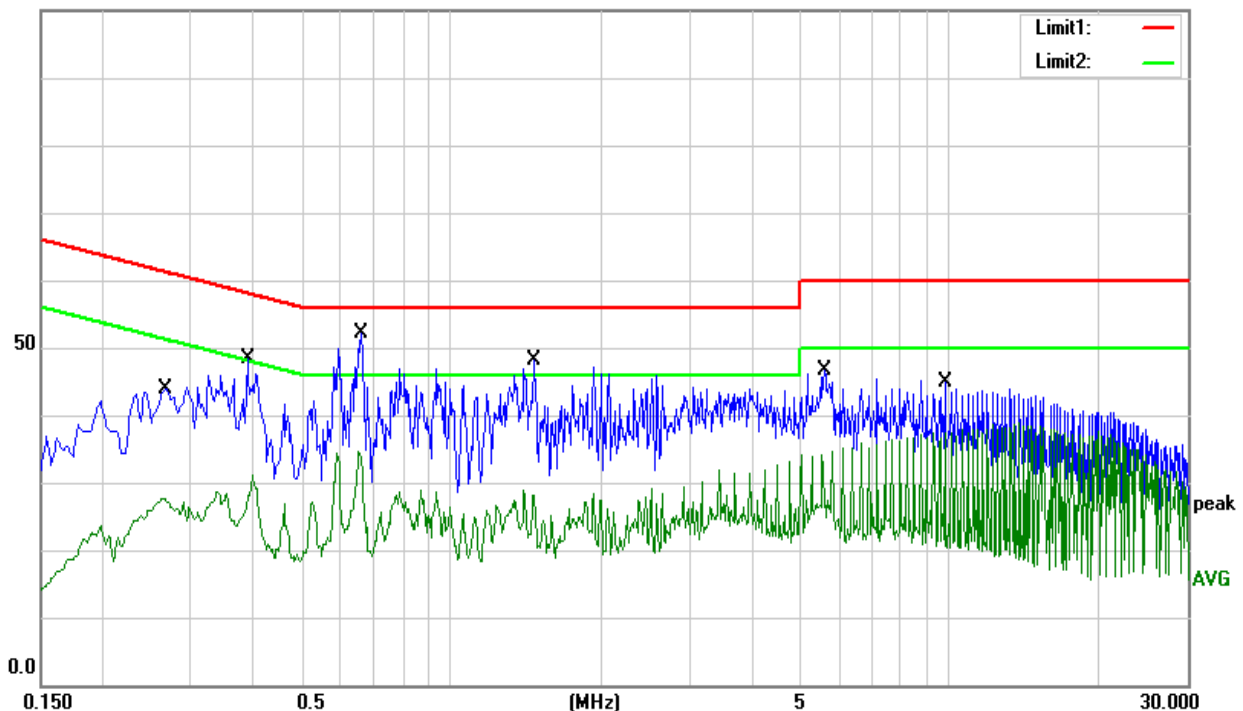
Temperature:	25.8 °C	Relative Humidity:	61%
Test Mode:	DC 9V	Phase:	N
Test Voltage:	AC120V 60Hz		

No.	Frequency (MHz)	Reading (dBUV)	Factor (dB)	Result (dBUV)	Limit (dBUV)	Margin (dB)	Detector
1	0.2660	23.30	20.61	43.91	61.24	-17.33	QP
2	0.2660	5.87	20.61	26.48	51.24	-24.76	AVG
3	0.3900	27.71	20.55	48.26	58.06	-9.80	QP
4	0.3900	2.48	20.55	23.03	48.06	-25.03	AVG
5	0.6580	31.83	20.31	52.14	56.00	-3.86	QP
6	0.6580	8.51	20.31	28.82	46.00	-17.18	AVG
7	1.4700	27.92	20.15	48.07	56.00	-7.93	QP
8	1.4700	9.09	20.15	29.24	46.00	-16.76	AVG
9	5.6140	26.69	19.97	46.66	60.00	-13.34	QP
10	5.6140	15.79	19.97	35.76	50.00	-14.24	AVG
11	9.8020	24.92	19.86	44.78	60.00	-15.22	QP
12	9.8020	18.73	19.86	38.59	50.00	-11.41	AVG

Remark:

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

100.0 dBUV



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 (SECTION 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).

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for AV
Start ~ Stop Frequency	90kHz~110kHz / RB 200Hz for QP
Start ~ Stop Frequency	110kHz~490kHz / RB 200Hz for AV,9kHz for QP
Start ~ Stop Frequency	490kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

§ 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

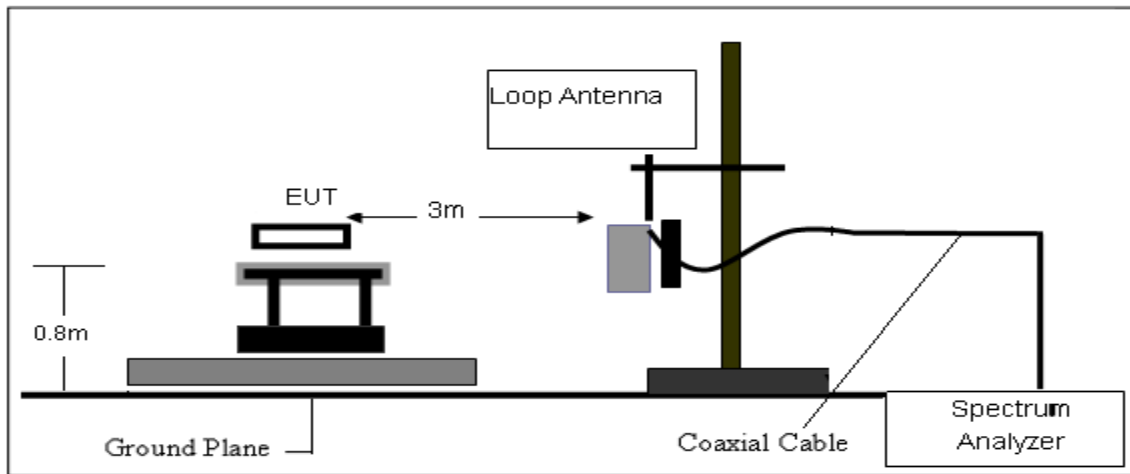
- a. The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz.
- b. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- 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:

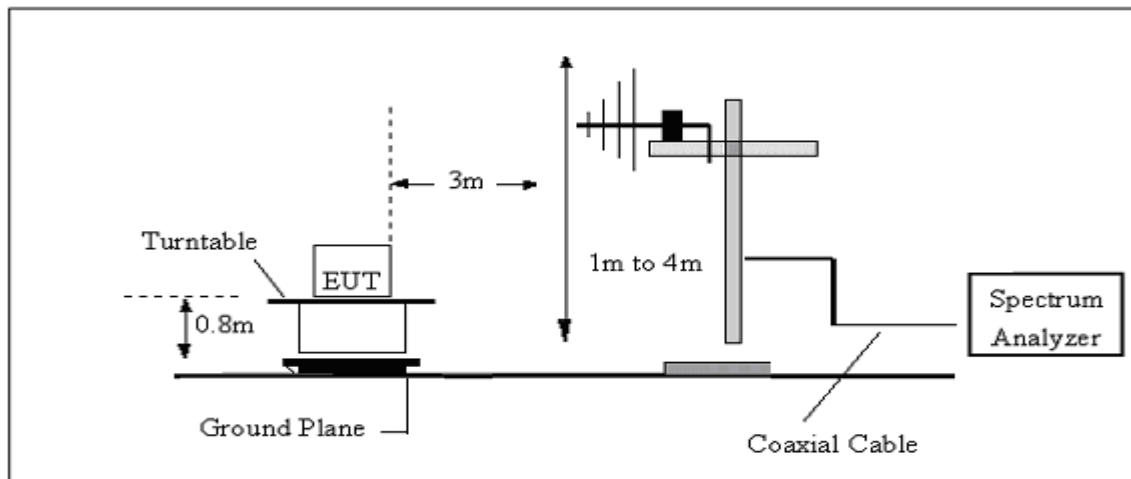
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

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 :	25.4℃	Relative Humidity :	55%
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	76.28	PK	26.27	0.1	102.65	144.08	-41.43
15	60.32	AV	26.27	0.1	86.69	124.08	-37.39
36	71.62	PK	22.03	0.1	93.75	136.48	-42.73
36	56.82	AV	22.03	0.1	78.95	116.48	-37.53
110	78.6	PK	10.04	0.1	88.74	126.78	-38.04
110	64.2	AV	10.04	0.1	74.34	106.78	-32.44
175.44	97.75	PK	9.43	0.1	107.28	122.72	-15.44
175.44	81.59	AV	9.43	0.1	91.12	102.72	-11.60
495	65.78	QP	1.15	0.1	67.03	73.71	-6.68
21735	70.9	QP	-17.9	0.9	53.90	69.54	-15.64

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	74.85	PK	26.27	0.1	101.22	144.08	-42.86
15	59.43	AV	26.27	0.1	85.80	124.08	-38.28
36	70.2	PK	22.03	0.1	92.33	136.48	-44.15
36	55.28	AV	22.03	0.1	77.41	116.48	-39.07
110	77.56	PK	10.04	0.1	87.70	126.78	-39.08
110	62.41	AV	10.04	0.1	72.55	106.78	-34.23
146.52	96.38	PK	9.43	0.1	105.91	124.29	-18.38
146.52	80.58	AV	9.43	0.1	90.11	104.29	-14.18
495	64.46	QP	1.15	0.1	65.71	73.71	-8.00
21735	69.51	QP	-17.9	0.9	52.51	69.54	-17.03

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 + $40\log(300/3)$ = Limit + 80 dB for up to 0.49 MHz
Limit at specified distance + $40\log(30/3)$ = 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

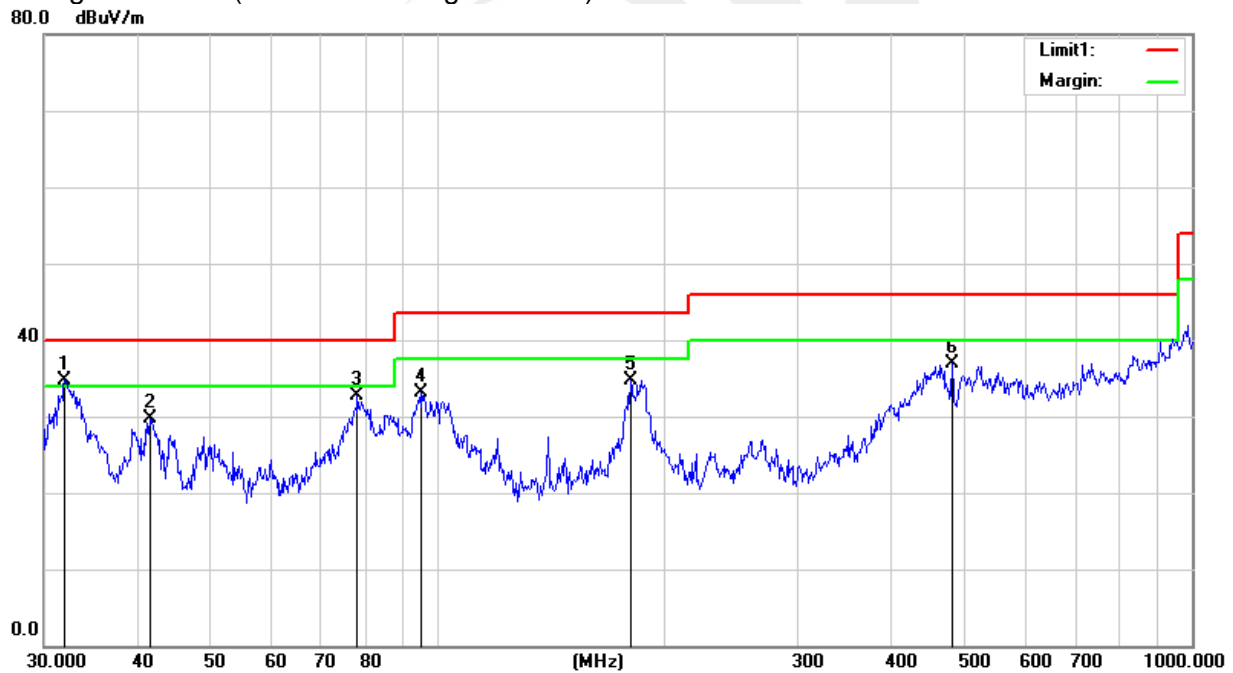
Temperature :	21.9 °C	Relative Humidity :	60%
Test Voltage :	DC 5V	Test Mode :	Mode 1

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

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
31.9546	16.24	18.43	34.67	40.00	-5.33	QP
41.4215	16.19	13.59	29.78	40.00	-10.22	QP
78.1390	23.89	8.88	32.77	40.00	-7.23	QP
94.7601	21.69	11.41	33.10	43.50	-10.40	QP
180.0165	22.58	12.11	34.69	43.50	-8.81	QP
480.5276	13.85	23.05	36.90	46.00	-9.10	QP

Remark:

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





Temperature :	21.9 °C	Relative Humidity :	60%
Test Voltage :	DC 5V	Test Mode :	Mode 1

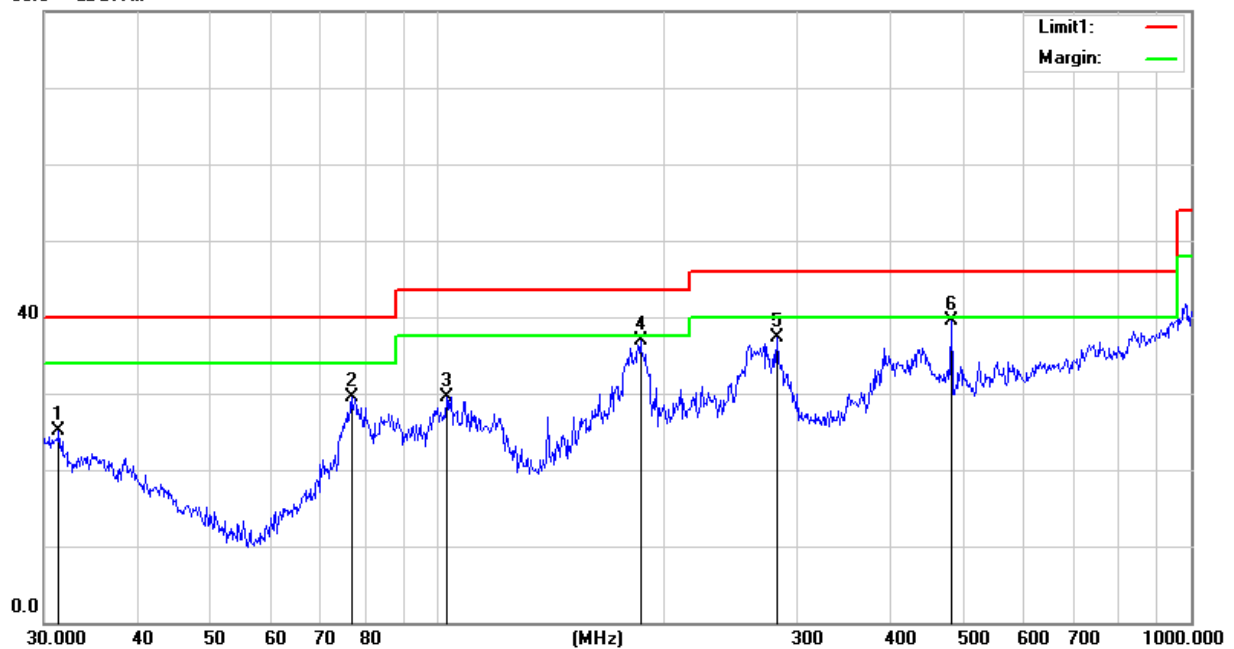
The following table shows the highest levels of radiated emissions on polarizations of horizontal

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
31.3992	6.48	18.72	25.20	40.00	-14.80	QP
76.7808	20.72	8.71	29.43	40.00	-10.57	QP
102.7192	17.18	12.35	29.53	43.50	-13.97	QP
185.7882	25.17	11.64	36.81	43.50	-6.69	QP
281.9946	20.76	16.49	37.25	46.00	-8.75	QP
480.5276	16.36	23.05	39.41	46.00	-6.59	QP

Remark:

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

80.0 dBuV/m





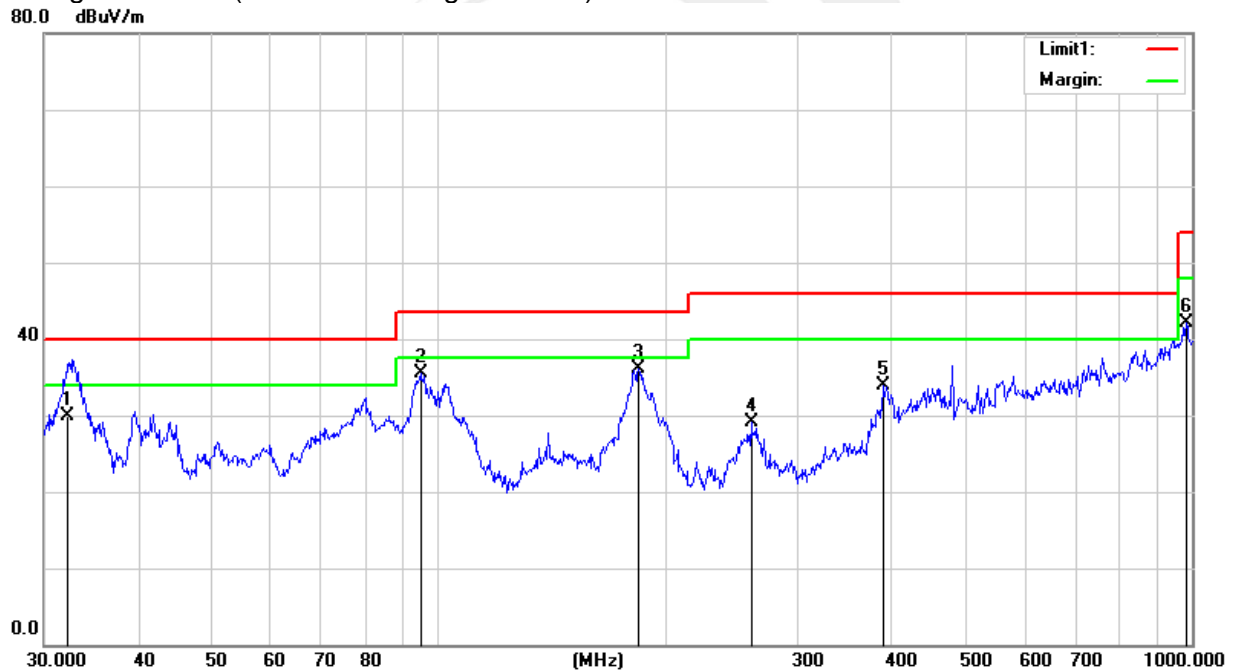
Temperature :	21.9 °C	Relative Humidity :	60%
Test Voltage :	DC 9V	Test Mode :	Mode 1

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

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
32.2813	11.63	18.27	29.90	40.00	-10.10	QP
94.7600	24.04	11.41	35.45	43.50	-8.05	QP
184.4898	24.30	11.77	36.07	43.50	-7.43	QP
260.1444	11.85	17.27	29.12	46.00	-16.88	QP
389.3548	13.65	20.32	33.97	46.00	-12.03	QP
982.6200	8.40	33.61	42.01	54.00	-11.99	QP

Remark:

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





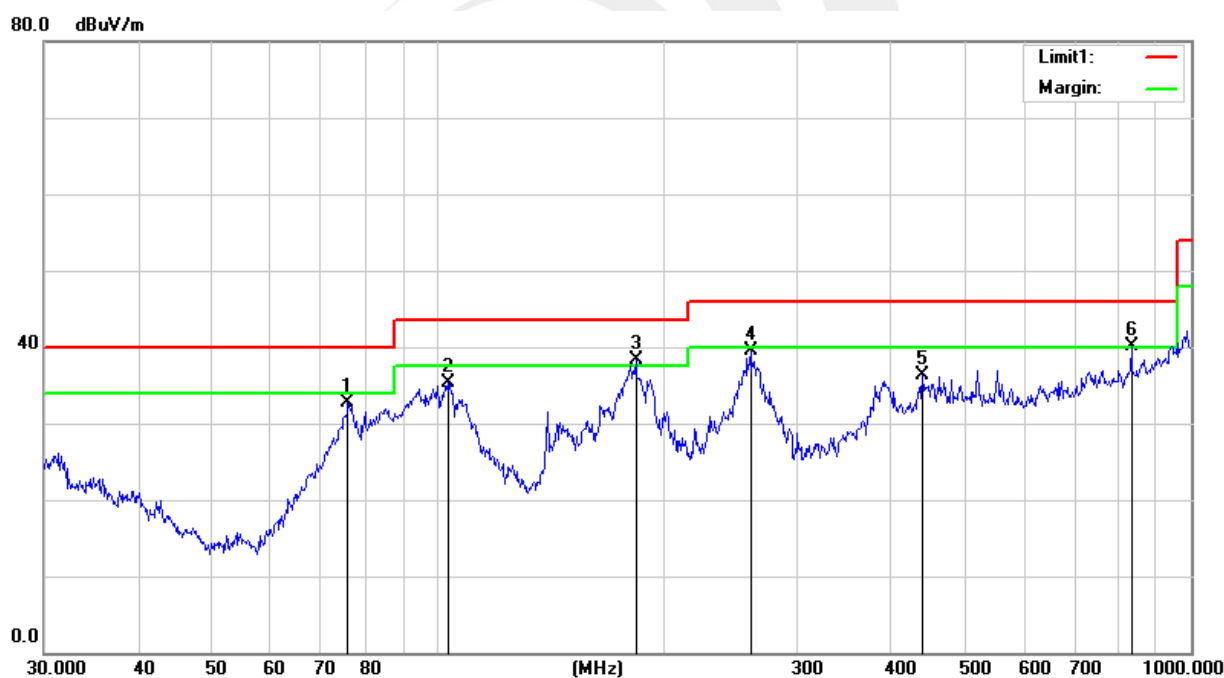
Temperature :	21.9 °C	Relative Humidity :	60%
Test Voltage :	DC 9V	Test Mode :	Mode 1

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
75.9772	24.13	8.61	32.74	40.00	-7.26	QP
103.0800	22.86	12.40	35.26	43.50	-8.24	QP
183.2005	26.35	11.87	38.22	43.50	-5.28	QP
260.1444	22.28	17.27	39.55	46.00	-6.45	QP
440.1963	14.65	21.70	36.35	46.00	-9.65	QP
833.3170	9.30	30.72	40.02	46.00	-5.98	QP

Remark:

1. 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.



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

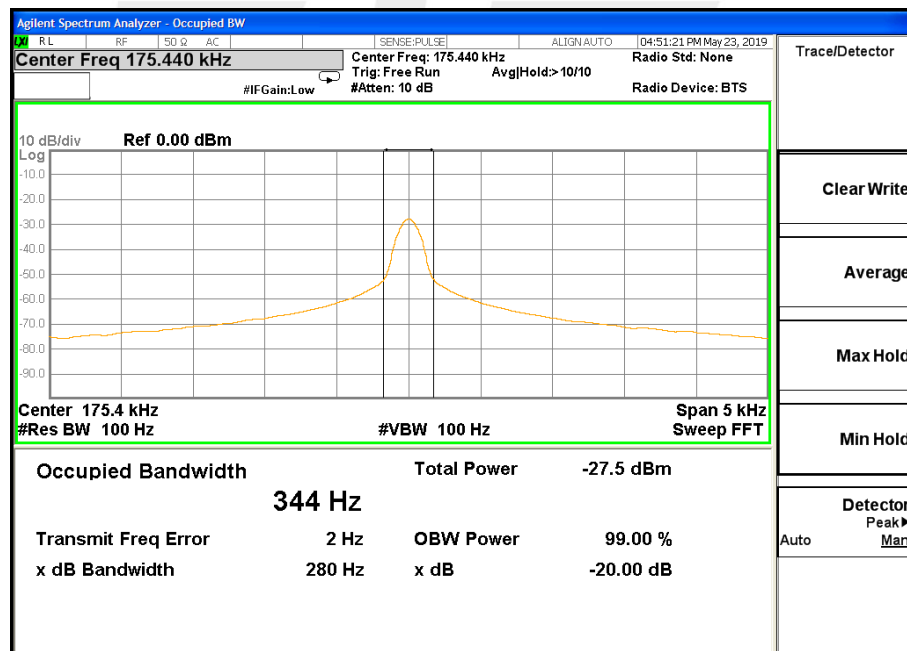
The test program and configuration, Refer to 4.2 and 4.3

5.3 TEST RESULTS

Test voltage: DC 5V

Operating Frequency (kHz)	20 dB Bandwidth(Hz)
175.44	280

CH00

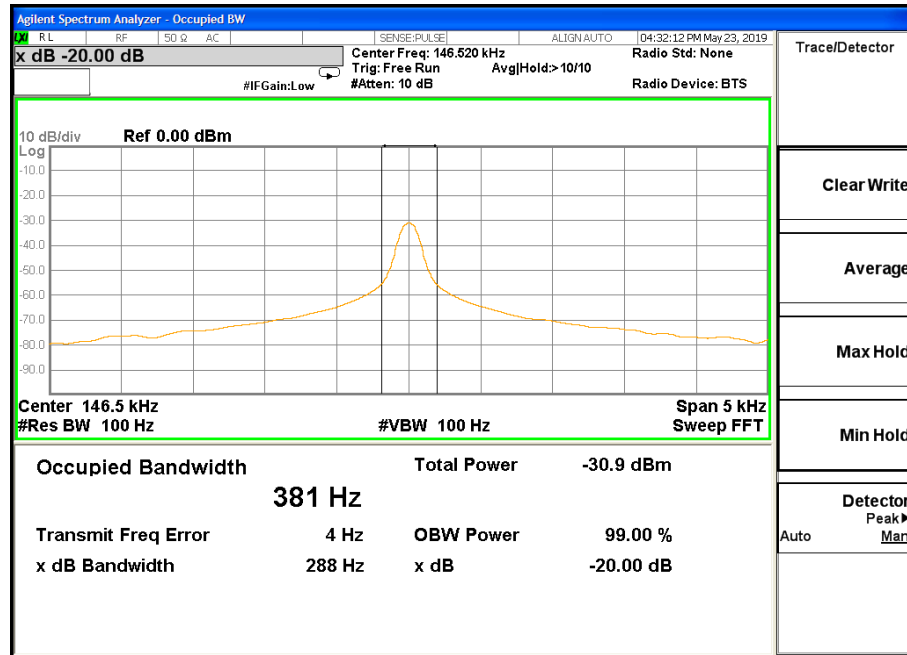




Test voltage: DC 9V

OperatingFrequency (kHz)	20 dB Bandwidth(Hz)
146.52	288

CH01



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※※※※※

