

S

T

S

L

A

B



FCC TEST REPORT

Report No: STS1811113W02

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 Charger
Brand Name:	JOWAY
Model Name:	JW03
Series Model:	N/A
FCC ID:	2AEZ4JW03
Test Standard:	FCC Part 15 Subpart C

Any reproduction of this document must be done in full. No single part of this document may be reproduced without permission from STS, All Test Data Presented in this report is only applicable to presented Test sample.

Shenzhen STS Test Services Co., Ltd.
1/F., Building B, Zhuoke Science Park, No.190, Chongqing Road,
Fuyong Street, Bao'an District, Shenzhen, Guangdong, China
TEL: +86-755 3688 6288 FAX: +86-755 3688 6277 E-mail: sts@stsapp.com



**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 Charger

Brand Name: JOWAY

Model Name: JW03

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.

This report shall not be reproduced except in full, without the written approval of STS, this document only be altered or revised by STS, personal only, and shall be noted in the revision of the document.

Date of performance of tests.....: 22 Nov.2018 ~ 30 Nov.2018

Date of Issue: 04 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	04 Dec.2018	STS1811113W02	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 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	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 Charger
Trade Name	JOWAY
Model Name	JW03
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: 5VDC 2A / 9VDC 1.67A (QC) MAX Output: 10W
Hardware version number	NC
Software version number	NC
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	175.17				

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	NOTE
1	JOWAY	JW03	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

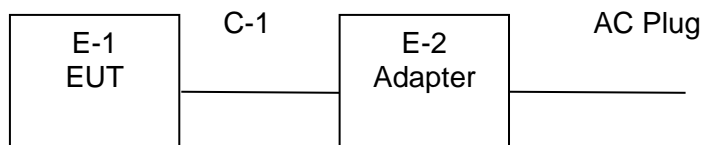
For Conducted Emission	
Final Test Mode	Description
Mode 1	Charging+TX Mode

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

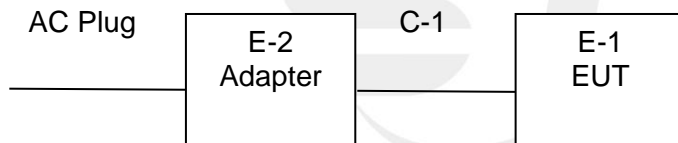
2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

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	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 SDOC 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.

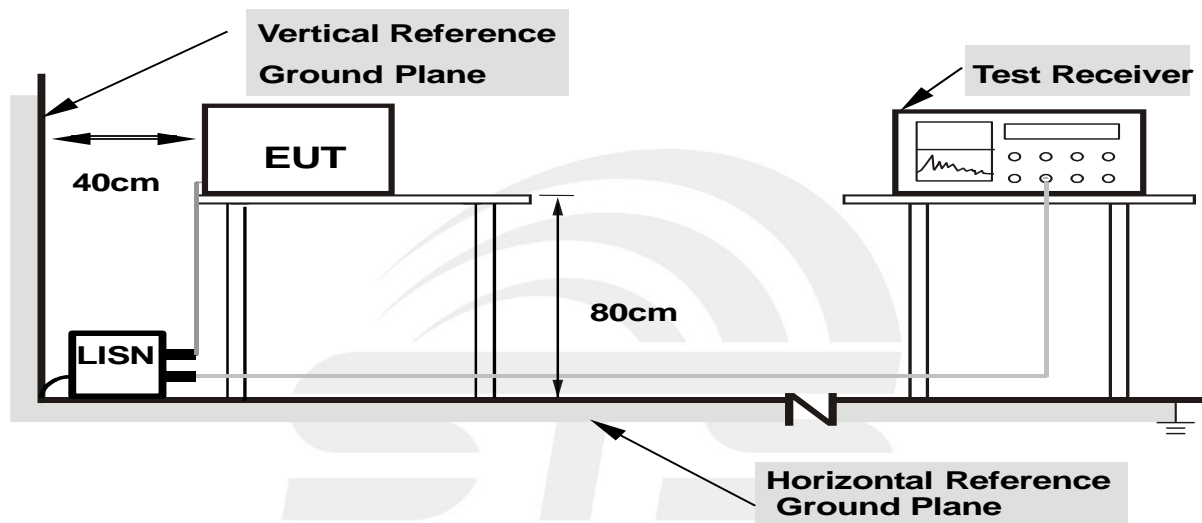
The following table is the setting of the receiver

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

3.2 TEST PROCEDURE

- 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.

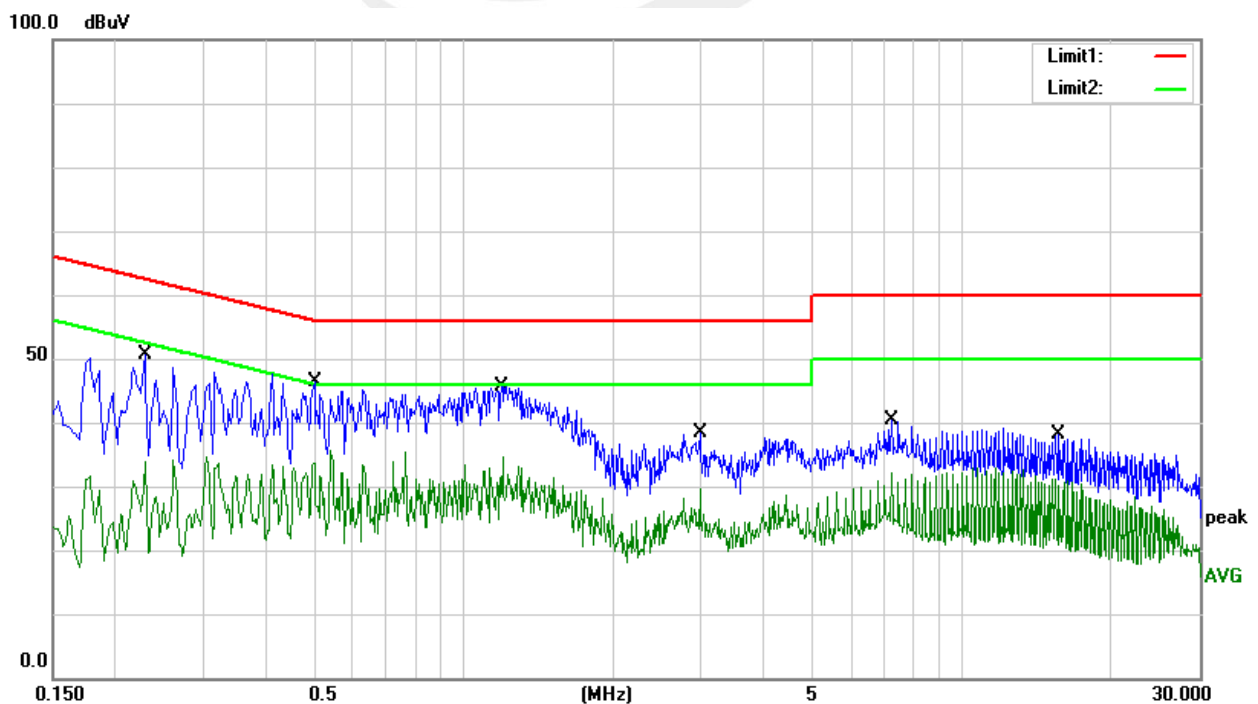
3.5 TEST RESULTS

Temperature:	24.2 °C	Relative Humidity:	56%
Test Voltage:	AC 120V 60Hz	Phase:	L
Test Mode:	5VDC 2A mode		

No.	Frequency (MHz)	Reading (dBUV)	Factor (dB)	Result (dBUV)	Limit (dBUV/m)	Margin (dB)	Detector
1	0.2300	30.22	20.46	50.68	62.45	-11.77	QP
2	0.2300	13.60	20.46	34.06	52.45	-18.39	AVG
3	0.5020	25.91	20.43	46.34	56.00	-9.66	QP
4	0.5020	15.27	20.43	35.70	46.00	-10.30	AVG
5	1.1940	25.55	20.15	45.70	56.00	-10.30	QP
6	1.1940	14.43	20.15	34.58	46.00	-11.42	AVG
7	2.9900	18.22	20.08	38.30	56.00	-17.70	QP
8	2.9900	9.65	20.08	29.73	46.00	-16.27	AVG
9	7.2460	20.36	19.90	40.26	60.00	-19.74	QP
10	7.2460	12.30	19.90	32.20	50.00	-17.80	AVG
11	15.6580	18.23	19.84	38.07	60.00	-21.93	QP
12	15.6580	12.69	19.84	32.53	50.00	-17.47	AVG

Remark:

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



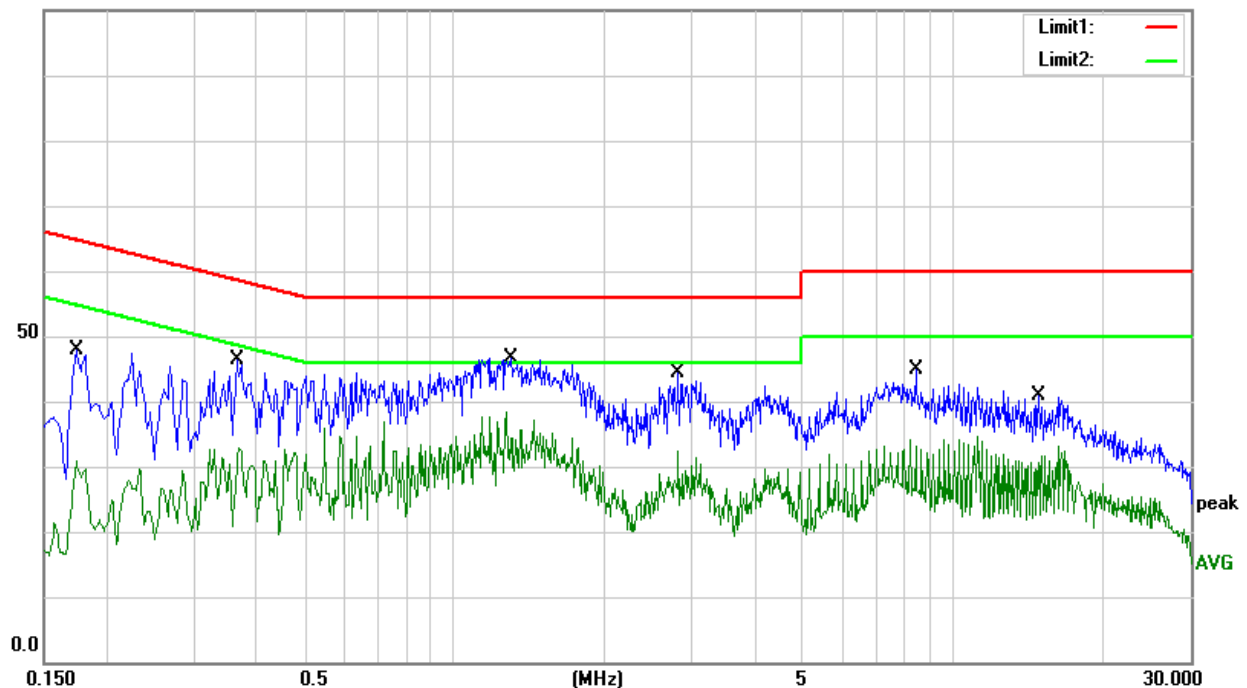
Temperature:	24.2 °C	Relative Humidity:	56%
Test Voltage:	AC 120V 60Hz	Phase:	N
Test Mode:	5VDC 2A mode		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.1740	27.71	20.26	47.97	64.77	-16.80	QP
2	0.1740	10.52	20.26	30.78	54.77	-23.99	AVG
3	0.3660	25.81	20.60	46.41	58.59	-12.18	QP
4	0.3660	12.19	20.60	32.79	48.59	-15.80	AVG
5	1.3020	26.54	20.16	46.70	56.00	-9.30	QP
6	1.3020	18.20	20.16	38.36	46.00	-7.64	AVG
7	2.8180	24.30	20.09	44.39	56.00	-11.61	QP
8	2.8180	12.36	20.09	32.45	46.00	-13.55	AVG
9	8.4460	25.11	19.88	44.99	60.00	-15.01	QP
10	8.4460	14.34	19.88	34.22	50.00	-15.78	AVG
11	14.8940	21.12	19.81	40.93	60.00	-19.07	QP
12	14.8940	13.28	19.81	33.09	50.00	-16.91	AVG

Remark:

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

100.0 dBuV



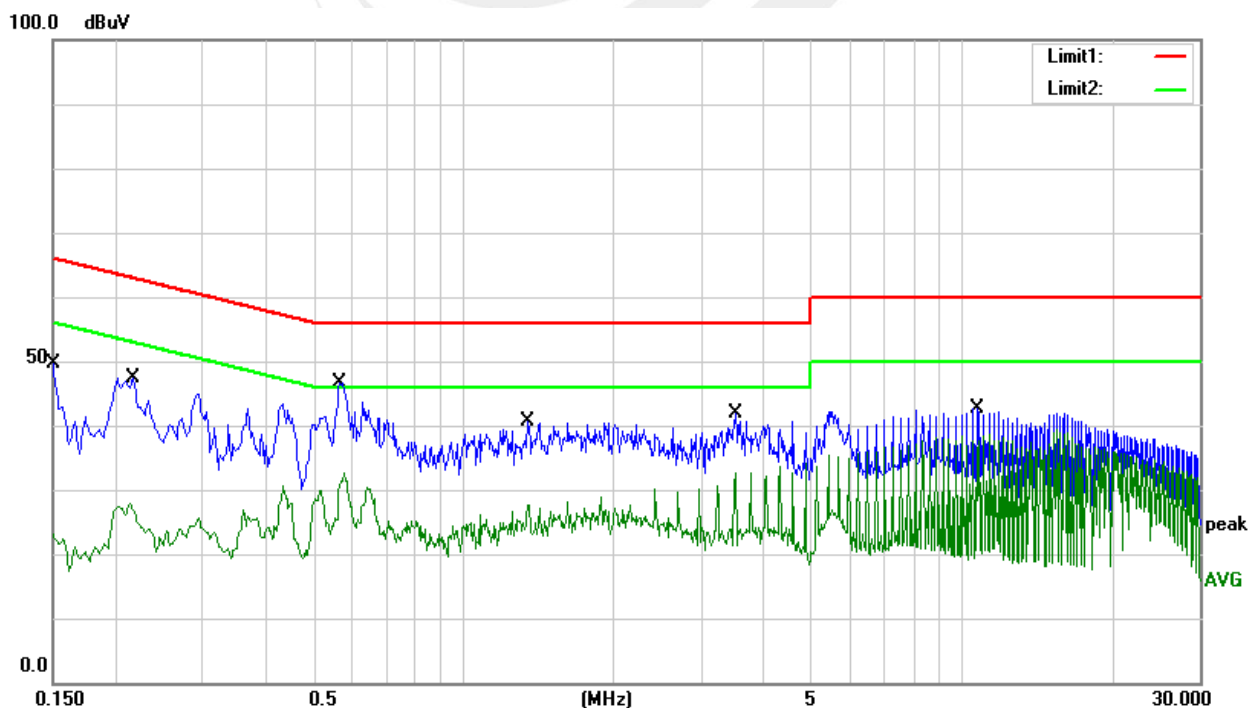


Temperature:	24.2 °C	Relative Humidity:	56%
Test Voltage:	AC 120V 60Hz	Phase:	L
Test Mode:	9VDC 1.67A mode		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.1500	29.43	20.23	49.66	66.00	-16.34	QP
2	0.1500	2.87	20.23	23.10	56.00	-32.90	AVG
3	0.2185	25.97	20.32	46.29	62.88	-16.59	QP
4	0.2185	7.44	20.32	27.76	52.88	-25.12	AVG
5	0.5660	26.31	20.41	46.72	56.00	-9.28	QP
6	0.5660	12.13	20.41	32.54	46.00	-13.46	AVG
7	1.3500	20.52	20.12	40.64	56.00	-15.36	QP
8	1.3500	7.52	20.12	27.64	46.00	-18.36	AVG
9	3.5100	21.91	19.96	41.87	56.00	-14.13	QP
10	3.5100	12.73	19.96	32.69	46.00	-13.31	AVG
11	10.7900	22.54	20.11	42.65	60.00	-17.35	QP
12	10.7900	18.42	20.11	38.53	50.00	-11.47	AVG

Remark:

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





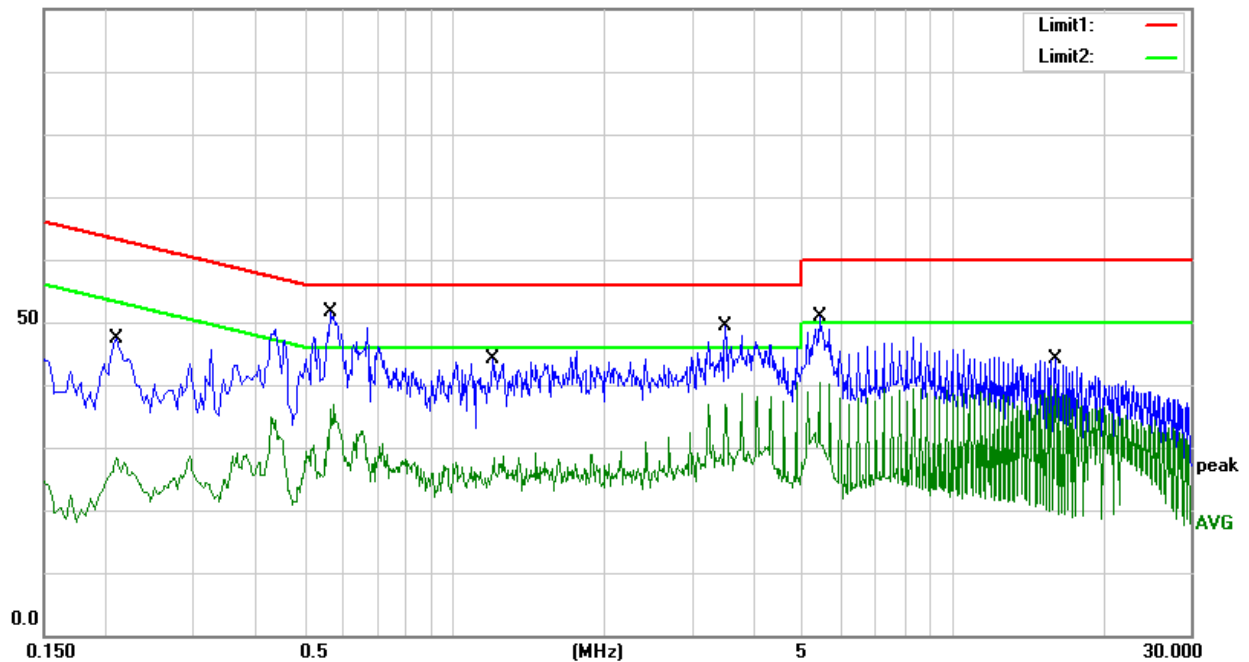
Temperature:	24.2 °C	Relative Humidity:	56%
Test Voltage:	AC 120V 60Hz	Phase:	N
Test Mode:	9VDC 1.67A mode		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.2100	27.00	20.37	47.37	63.21	-15.84	QP
2	0.2100	8.07	20.37	28.44	53.21	-24.77	AVG
3	0.5660	31.12	20.38	51.50	56.00	-4.50	QP
4	0.5660	16.43	20.38	36.81	46.00	-9.19	AVG
5	1.1940	23.89	20.15	44.04	56.00	-11.96	QP
6	1.1940	8.99	20.15	29.14	46.00	-16.86	AVG
7	3.5060	29.36	20.07	49.43	56.00	-6.57	QP
8	3.5060	18.56	20.07	38.63	46.00	-7.37	AVG
9	5.3980	31.00	19.98	50.98	60.00	-9.02	QP
10	5.3980	20.34	19.98	40.32	50.00	-9.68	AVG
11	16.0580	24.27	19.86	44.13	60.00	-15.87	QP
12	16.0580	19.93	19.86	39.79	50.00	-10.21	AVG

Remark:

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

100.0 dBuV



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).

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
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

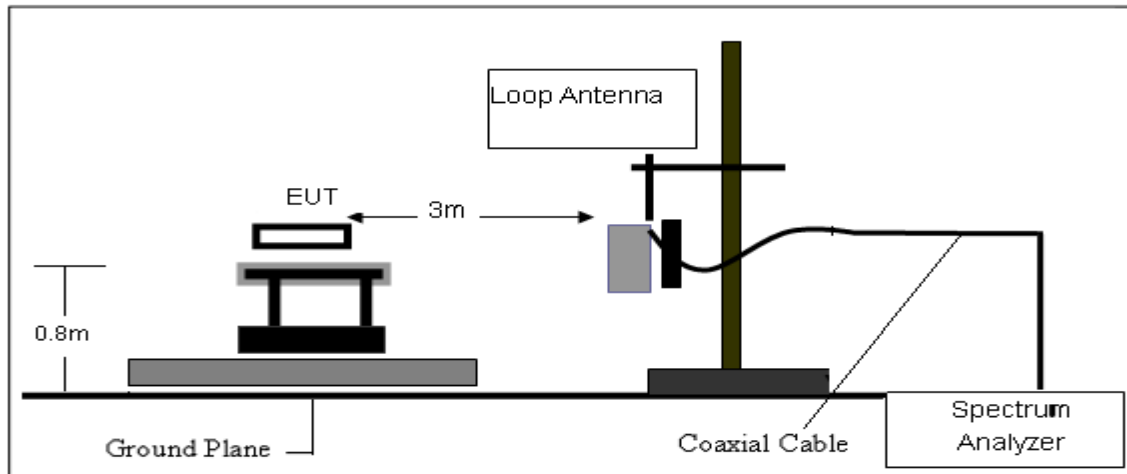
- a. The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz.
- b. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.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

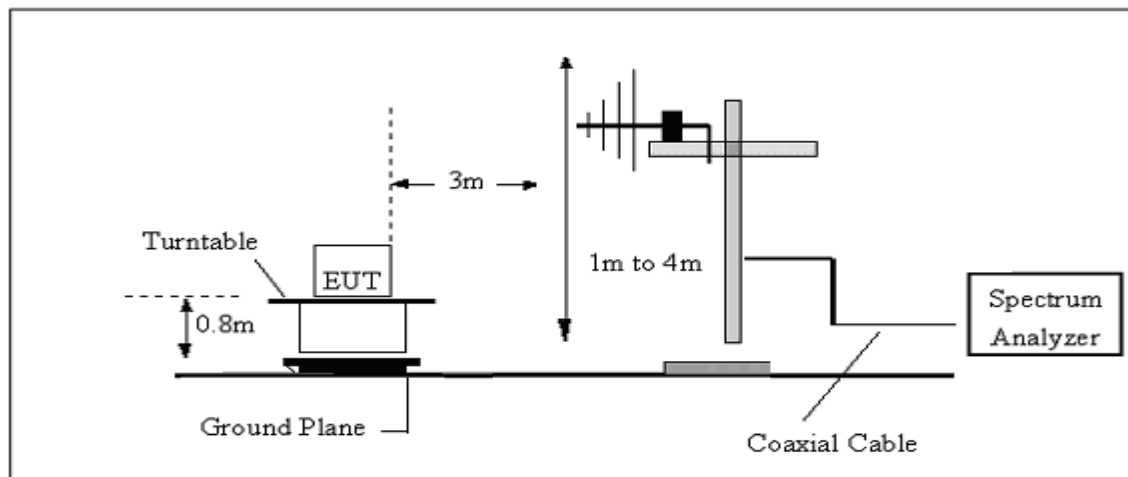
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

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

4.4.1 Spurious Radiated Emission Below 30 MHz

Test mode: DC 5V 2A mode

Frequency	Reading	Detector	Ant. Factor	Cable	Emission	Limits	Margin
(KHz)	(dBμV)	(PK/QP/AV)	(dB/m)	Loss	Level (dBμV/m)	(dBμV/m)	(dB)
15	74.83	PK	26.27	0.1	101.20	144.08	-42.88
15	59.64	AV	26.27	0.1	86.01	124.08	-38.07
36	70.36	PK	22.03	0.1	92.49	136.48	-43.99
36	55.39	AV	22.03	0.1	77.52	116.48	-38.96
110	77.59	PK	10.04	0.1	87.73	126.78	-39.05
110	62.81	AV	10.04	0.1	72.95	106.78	-33.83
175.17	96.69	PK	9.43	0.1	106.22	122.74	-16.52
175.17	80.38	AV	9.43	0.1	89.91	102.74	-12.83
495	64.2	QP	1.15	0.1	65.45	73.71	-8.26
21735	69.23	QP	-17.9	0.9	52.23	69.54	-17.31

Test voltage: DC 9V 1.67A mode

Frequency	Reading	Detector	Ant. Factor	Cable	Emission	Limits	Margin
(KHz)	(dBμV)	(PK/QP/AV)	(dB/m)	Loss	Level (dBμV/m)	(dBμV/m)	(dB)
15	75.12	PK	26.27	0.1	101.49	144.08	-42.59
15	59.45	AV	26.27	0.1	85.82	124.08	-38.26
36	70.17	PK	22.03	0.1	92.30	136.48	-44.18
36	55.47	AV	22.03	0.1	77.60	116.48	-38.88
110	77.46	PK	10.04	0.1	87.60	126.78	-39.18
110	62.59	AV	10.04	0.1	72.73	106.78	-34.05
175.17	96.3	PK	9.43	0.1	105.83	122.74	-16.91
175.17	80.5	AV	9.43	0.1	90.03	102.74	-12.71
495	64.25	QP	1.15	0.1	65.50	73.71	-8.21
21735	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 + $40\log(300/3)$ = 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.

4.4.2 Spurious Radiated Emission below 1 GHz

Temperature :	25.6 °C	Relative Humidity :	54%
Test Voltage :	DC 5V 2A mode	Test Mode :	Mode 1

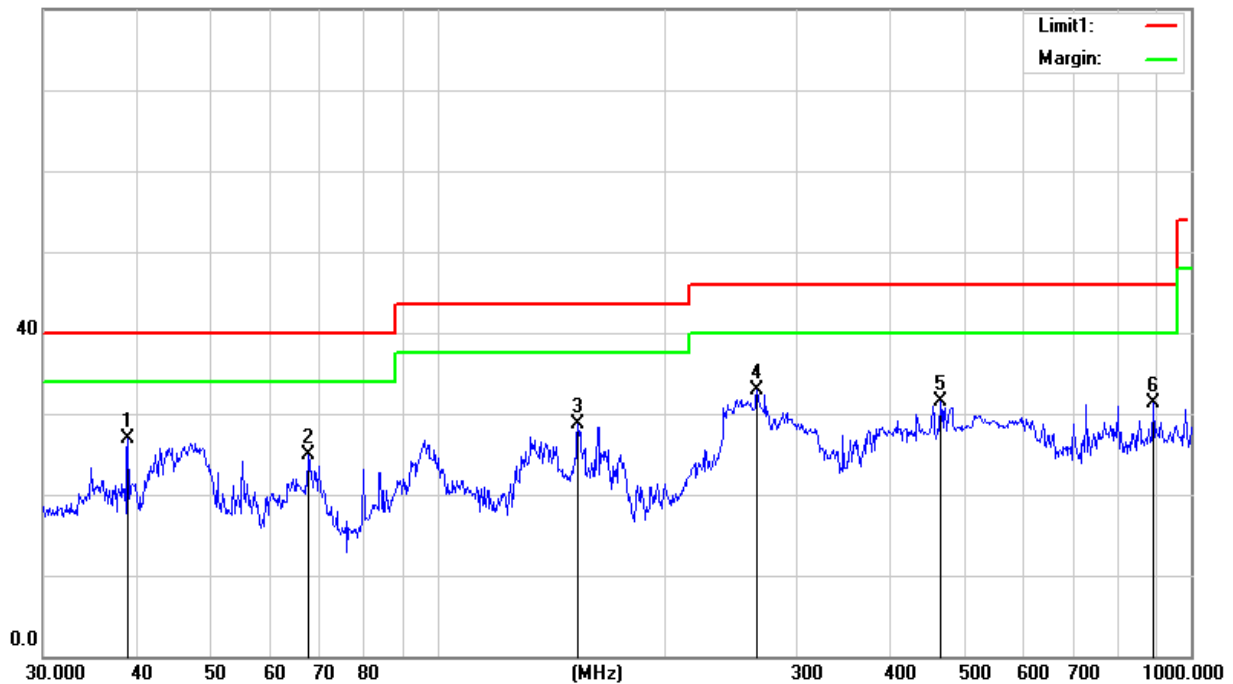
The following table shows the highest levels of radiated emissions on polarizations of vertical

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
38.8880	42.64	-15.75	26.89	40.00	-13.11	QP
67.4381	49.06	-24.16	24.90	40.00	-15.10	QP
153.7384	46.85	-18.17	28.68	43.50	-14.82	QP
265.6757	48.15	-15.29	32.86	46.00	-13.14	QP
465.5994	41.95	-10.39	31.56	46.00	-14.44	QP
890.7278	33.74	-2.38	31.36	46.00	-14.64	QP

Remark:

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

80.0 dBuV/m





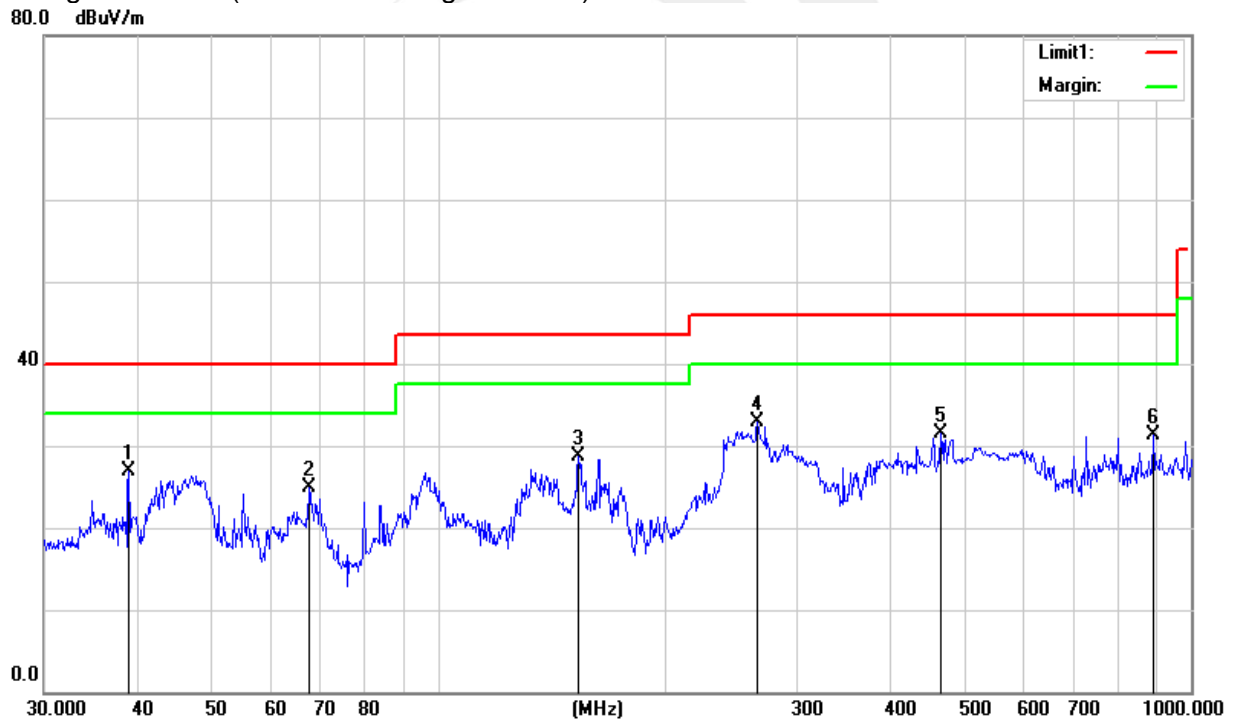
Temperature :	25.6 °C	Relative Humidity :	54%
Test Voltage :	DC 5V 2A mode	Test Mode :	Mode 1

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

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
38.8880	42.64	-15.75	26.89	40.00	-13.11	QP
67.4381	49.06	-24.16	24.90	40.00	-15.10	QP
153.7384	46.85	-18.17	28.68	43.50	-14.82	QP
265.6757	48.15	-15.29	32.86	46.00	-13.14	QP
465.5994	41.95	-10.39	31.56	46.00	-14.44	QP
890.7278	33.74	-2.38	31.36	46.00	-14.64	QP

Remark:

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





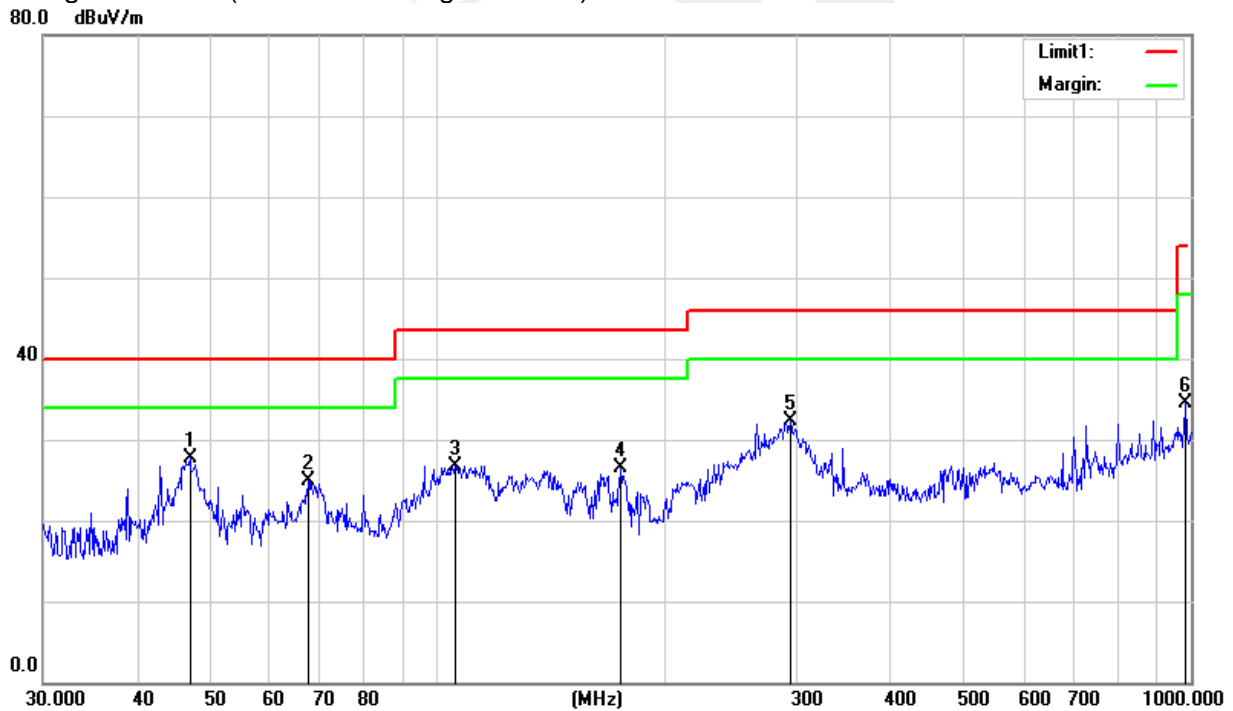
Temperature :	25.6 °C	Relative Humidity :	54%
Test Voltage :	DC 9V 1.67A mode	Test Mode :	Mode 1

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)	
46.9947	47.55	-19.94	27.61	40.00	-12.39	QP
67.4381	49.06	-24.16	24.90	40.00	-15.10	QP
105.6414	45.43	-18.71	26.72	43.50	-16.78	QP
175.0363	45.85	-19.38	26.47	43.50	-17.03	QP
294.1136	47.40	-15.16	32.24	46.00	-13.76	QP
982.6200	34.56	-0.14	34.42	54.00	-19.58	QP

Remark:

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





Temperature :	25.6 °C	Relative Humidity :	54%
Test Voltage :	DC 9V 1.67A mode	Test Mode :	Mode 1

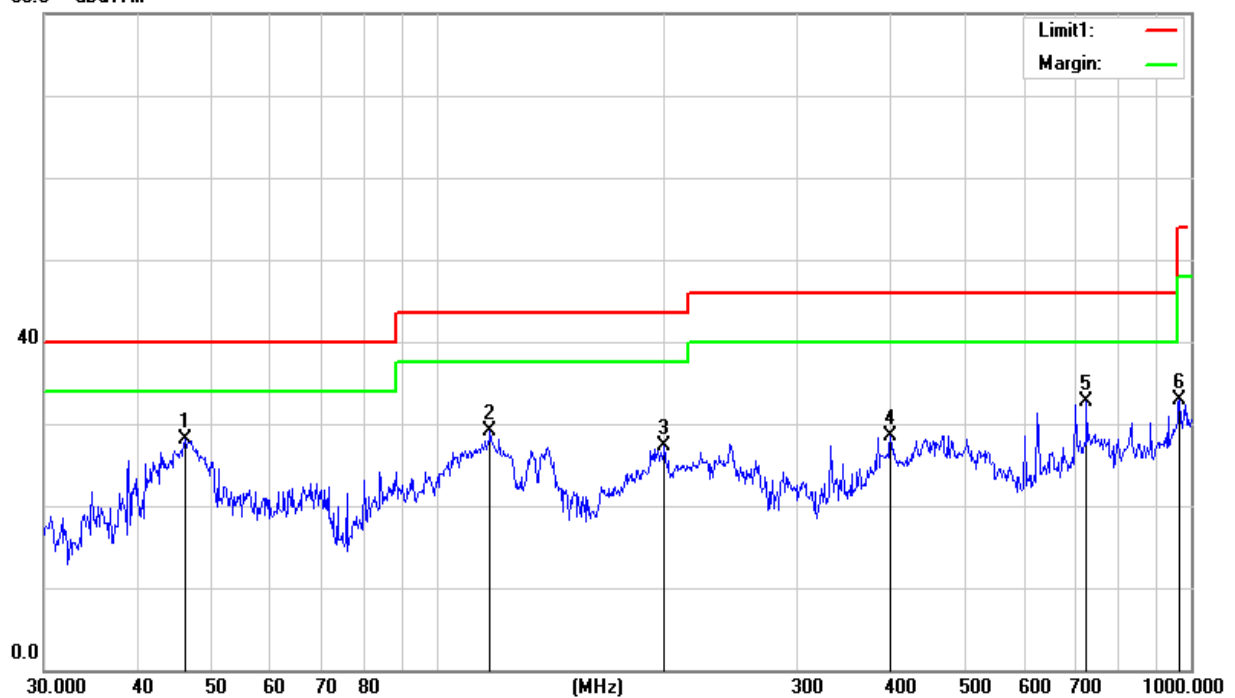
The following table shows the highest levels of radiated emissions on polarizations of horizontal

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
46.1780	47.54	-19.51	28.03	40.00	-11.97	QP
117.3602	46.91	-17.86	29.05	43.50	-14.45	QP
199.9856	47.44	-20.17	27.27	43.50	-16.23	QP
399.0300	39.81	-11.28	28.53	46.00	-17.47	QP
726.8052	36.87	-4.26	32.61	46.00	-13.39	QP
965.5421	32.97	-0.14	32.83	54.00	-21.17	QP

Remark:

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

80.0 dBuV/m





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

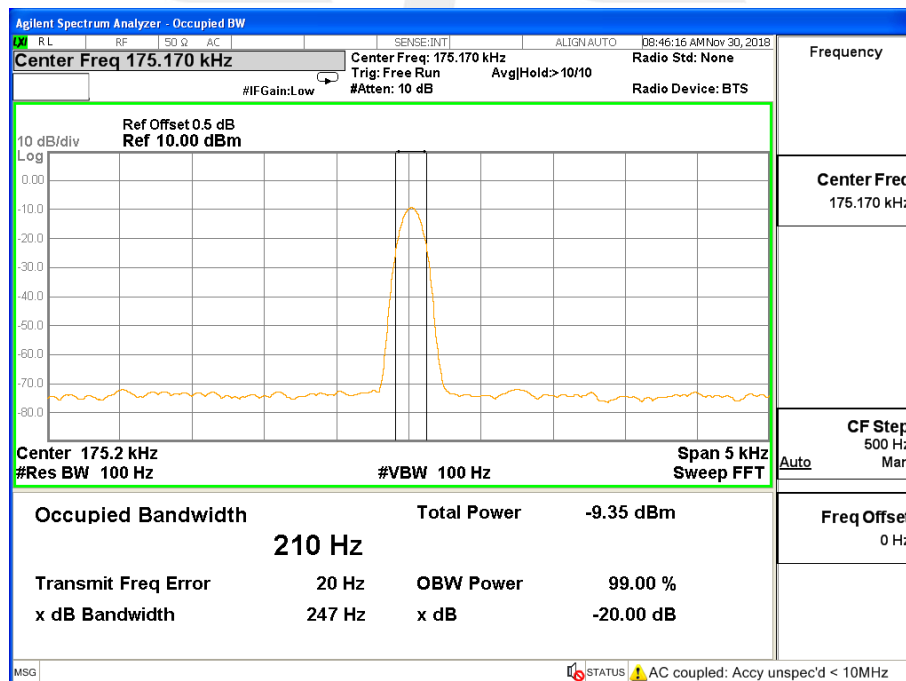
The test program and configuration, Refer to 4.2 and 4.3

5.3 TEST RESULTS

Test mode: DC 5V 2A mode

Operating Frequency (kHz)	20 dB Bandwidth(Hz)
175.170	247

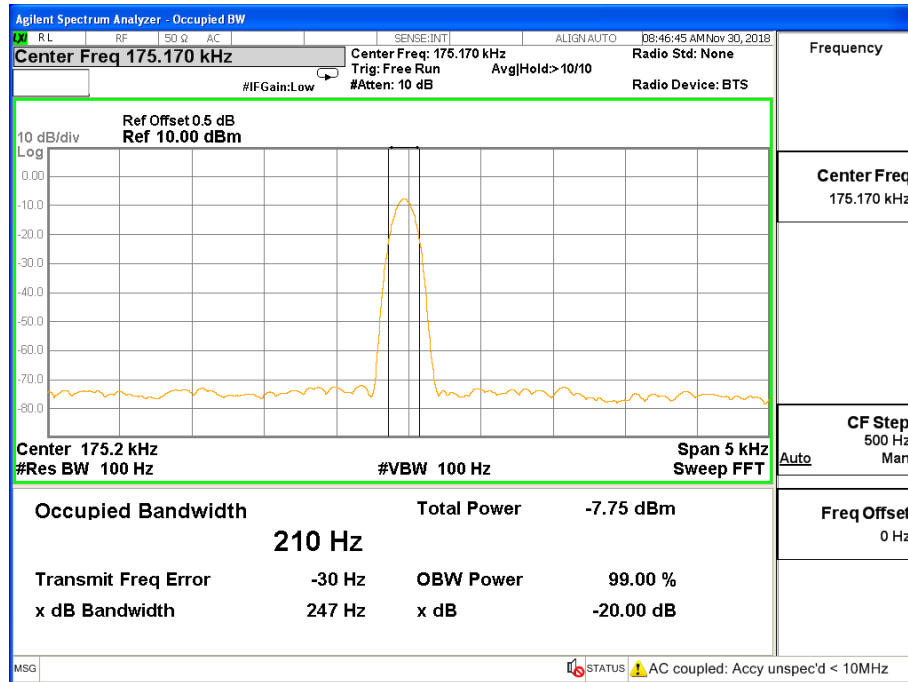
CH00



Test mode: DC 9V 1.67A mode

OperatingFrequency (kHz)	20 dB Bandwidth(Hz)
175.170	247

CH00





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※※※※※

