



Radio Test Report

Report No.: STS2601352W01

Issued for

Shenzhen Snapper Technology Co., Ltd

F4, Bldg E, #1 Tengfeng Road, Fenghuang 3rd industrial
area, Fuyong, Baoan, Shenzhen, Guangdong, China

Product Name: Power Bank

Brand Name: N/A

Model Name: PS-H049

Series Model(s): 22013982, 7428, 17053

FCC ID: 2AP6D-PS-H049

Test Standards: FCC Part 15 Subpart C

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

**TEST REPORT**

Applicant's Name.....: Shenzhen Snapper Technology Co., Ltd
Address.....: F4, Bldg E, #1 Tengfeng Road, Fenghuang 3rd industrial area,
Fuyong, Baoan, Shenzhen, Guangdong, China
Manufacturer's Name.....: Shenzhen Snapper Technology Co., Ltd
Address.....: F4, Bldg E, #1 Tengfeng Road, Fenghuang 3rd industrial area,
Fuyong, Baoan, Shenzhen, Guangdong, China

Product Description

Product Name.....: Power Bank
Brand.....: N/A
Model Number.....: PS-H049
Series Model(s).....: 22013982, 7428, 17053

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

Test Procedure.....: ANSI C63.10-2020

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.

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

Date of Test.....:

Date of receipt of test item.....: 09 Jan. 2026
Date (s) of performance of tests.: 09 Jan. 2026 to 30 Jan. 2026
Date of Issue.....: 30 Jan. 2026
Test Result.....: **Pass**

Testing Engineer :

Aaron Bu

(Aaron Bu)

Technical Manager :

Skylar Li

(Skylar Li)

Authorized Signatory :

Bovey Yang

(Bovey Yang)





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**Revision History**

Rev.	Issue Date	Report No.	Effect Page	Contents
00	30 Jan. 2026	STS2601352W01	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	
15.203	Antenna Requirement	PASS	

1.1 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

Add. : 101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 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	$\pm 0.755\text{dB}$
2	Unwanted Emissions, conducted	$\pm 2.874\text{dB}$
3	All emissions, radiated 9K-30MHz	$\pm 3.80\text{dB}$
4	All emissions, radiated 30M-1GHz	$\pm 4.18\text{dB}$
5	All emissions, radiated 1G-6GHz	$\pm 4.90\text{dB}$
6	All emissions, radiated >6G	$\pm 5.24\text{dB}$
7	Conducted Emission (9KHz-150KHz)	$\pm 2.19\text{dB}$
8	Conducted Emission (150KHz-30MHz)	$\pm 2.53\text{dB}$
9	Occupied Channel Bandwidth	$\pm 3.5\%$
10	Power Spectral Density, conducted	$\pm 1.245\text{dB}$
11	Duty Cycle	$\pm 3.2\%$



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	Power Bank
Brand	N/A
Model Number	PS-H049
Series Model(s)	22013982, 7428, 17053
Model Difference	All models are identical except for the model names, the test model is PS-H049.
Equipemnt Category	Non-ISM frequency
Antenna Type	loop coil antenna
Operating frequency	115-205kHz; 360kHz; 300-350kHz
Modulation Type	ASK
Power Rating	Type C Input: DC 5-12V, 18W Max Type C Output: DC 5V/3A, 9V/2.22A, 12V/1.67A, PD20W Max Wireless Output: 15W(Max) Watch wireless Output: 2.5W (Max) Battery: DC 3.85V (Note: When the EUT is in charging mode, it only support wireless output 5W max. The frequency and the supported wireless output power are as follows: 115-205kHz: 5W/10W/15W 360kHz: 7.5W 300-350kHz: 2.5W)
Adapter	N/A
Battery	DC 3.85V
Wireless charging power	2.5W/5W/7.5W/10W/15W
Hardware version number	N/A
Software version number	N/A
Connecting I/O Port(s)	Please refer to the Note 1.

Note:

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

Ant.	Brand	Model Name	Antenna Type	Connector	NOTE
1	N/A	N/A	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+5W(115-205kHz)
Mode 2	Charging+2.5W(300-350kHz)
Mode 3	2.5W(300-350kHz)
Mode 4	7.5W(360kHz)
Mode 5	15W(115-205kHz)

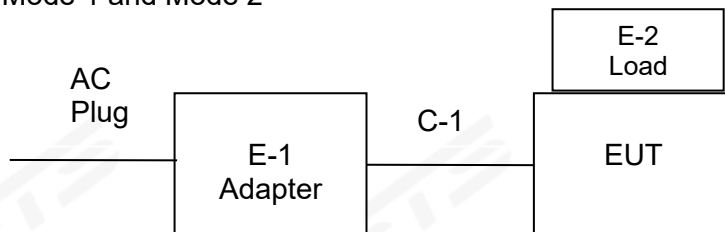
For Conducted Emission	
Final Test Mode	Description
Mode 1	Charging+5W(115-205kHz)
Mode 2	Charging+2.5W(300-350kHz)

For Radiated Emission	
Final Test Mode	Description
Mode 1	Charging+5W(115-205kHz)
Mode 2	Charging+2.5W(300-350kHz)
Mode 3	2.5W(300-350kHz)
Mode 4	7.5W(360kHz)
Mode 5	15W(115-205kHz)

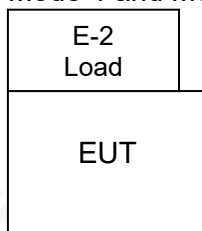
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

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 Mode 1 and Mode 2

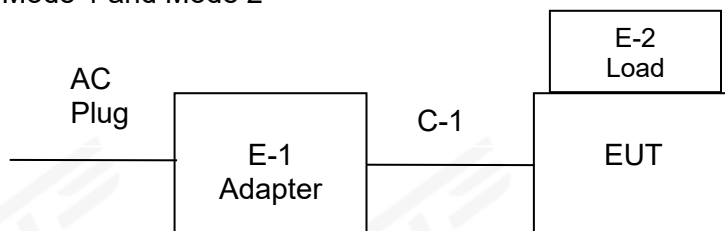


Mode 3, Mode 4 and Mode5



Conducted Emission Test

Mode 1 and Mode 2





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.

Item	Equipment	Mfr/Brand	Model/Type No.	Note
E-1	Adapter	ZTC	NB-A515A	N/A
E-2	Load	N/A	N/A	N/A

Item	Shielded Type	Ferrite Core	Length	Note
C-1	N/A	N/A	0.8m	N/A

Note:

- (1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (2) “YES” is means “with core”; “NO” is means “without core”.



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	2024.09.24	2025.09.23
Signal Analyzer	R&S	FSV 40-N	101823	2024.09.23	2025.09.22
Active loop Antenna	ZHINAN	ZN30900C	16035	2025.02.25	2026.02.24
Bilog Antenna	TESEQ	CBL6111D	34678	2025.09.27	2027.09.26
Pre-Amplifier(0.1M-3GHz)	EM	EM330	060665	2025.02.22	2026.02.21
Temperature & Humidity	SW-108	SuWei	N/A	2025.02.24	2026.02.23

Conduction Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Test Receiver	R&S	ESCI	101427	2025.09.25	2026.09.24
Limtter	CYBERTEK	EM5010	N/A	2025.09.25	2026.09.24
LISN	R&S	ENV216	101242	2025.09.25	2026.09.24
LISN	EMCO	3810/2NM	23625	2025.09.25	2026.09.24
Temperature & Humidity	SW-108	SuWei	N/A	2025.02.24	2026.02.23

RF Connected Test

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Signal Analyzer	Agilent	N9020A	MY51510623	2025.02.22	2026.02.21
Power detector group	Keysight	NW2021031	N/A	2025.09.23	2026.09.22
Switch control box	MW	MW100-RFCB	N/A	N/A	N/A
Temperature& Humidity test chamber	Safety test	AG80L	171200018	2025.02.22	2026.02.21
Temperature & Humidity	SW-108	SuWei	N/A	2025.02.24	2026.02.23
Test SW	MW	MTS 8310_2.0.0.0			



3. CONDUCTED EMISSION TEST RESULT (SECTION 15.207)

3.1 POWER LINE CONDUCTED EMISSION LIMITS

The radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table.

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.

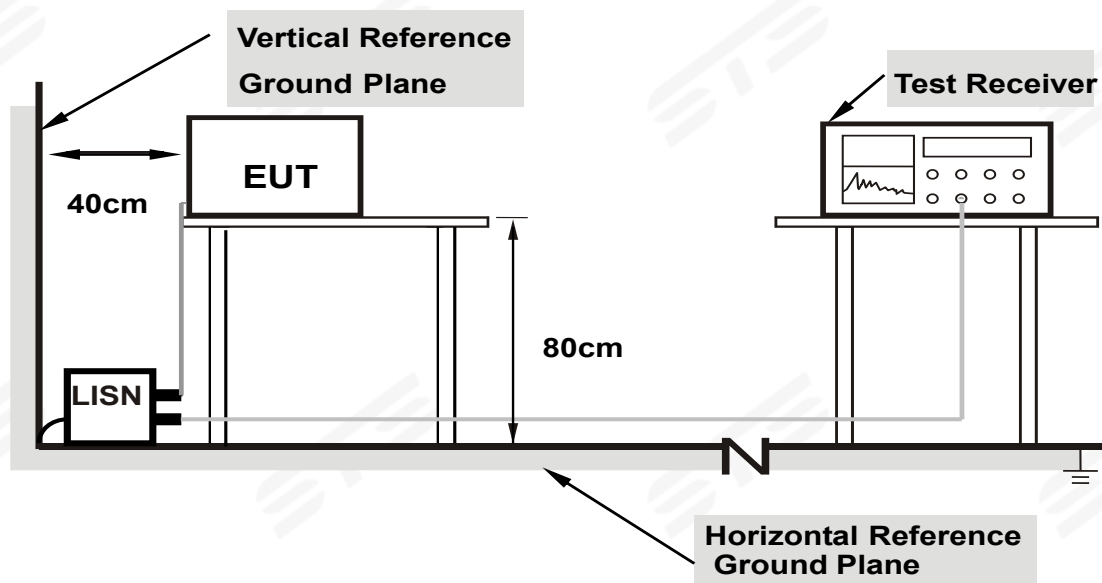
The following table is the setting of the receiver

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 is 0.8 m from the horizontal ground plane and 0.4 m from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments are powered from additional LISN(s). The LISN provides 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 is at least 80 cm from the 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 cm from other units and other metal planes support units.

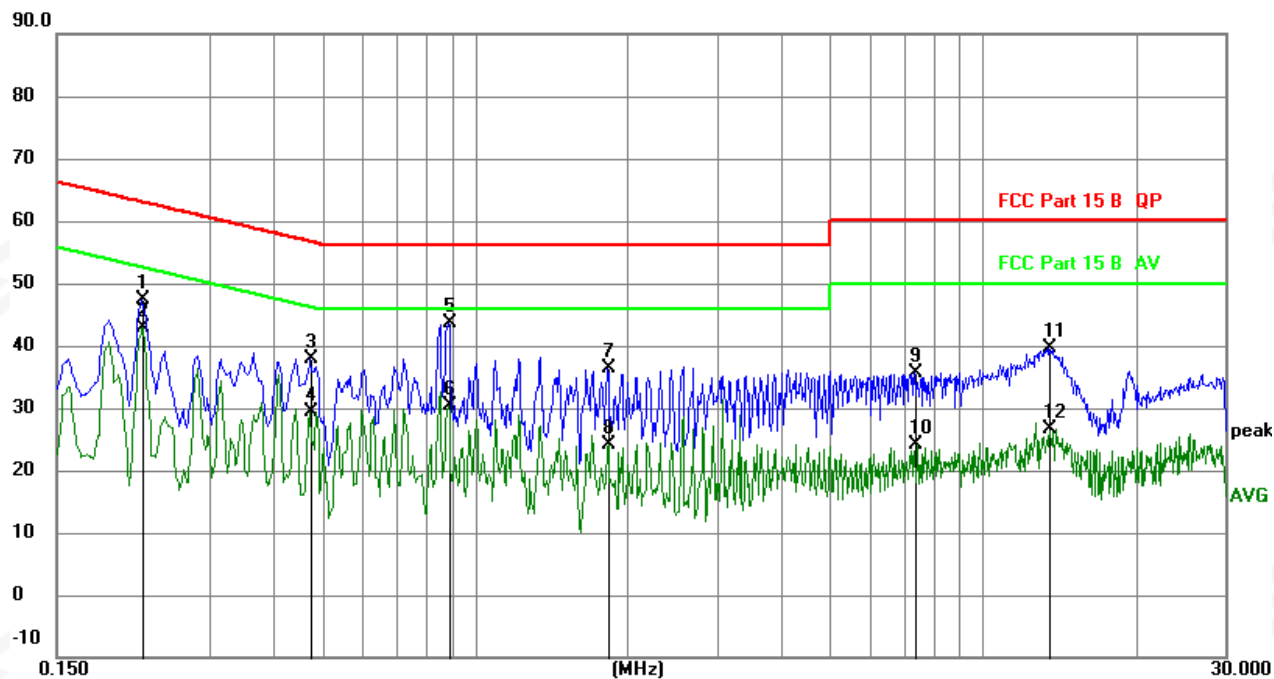
3.4 EUT OPERATING CONDITIONS

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:	23.7°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode:	Mode 1		



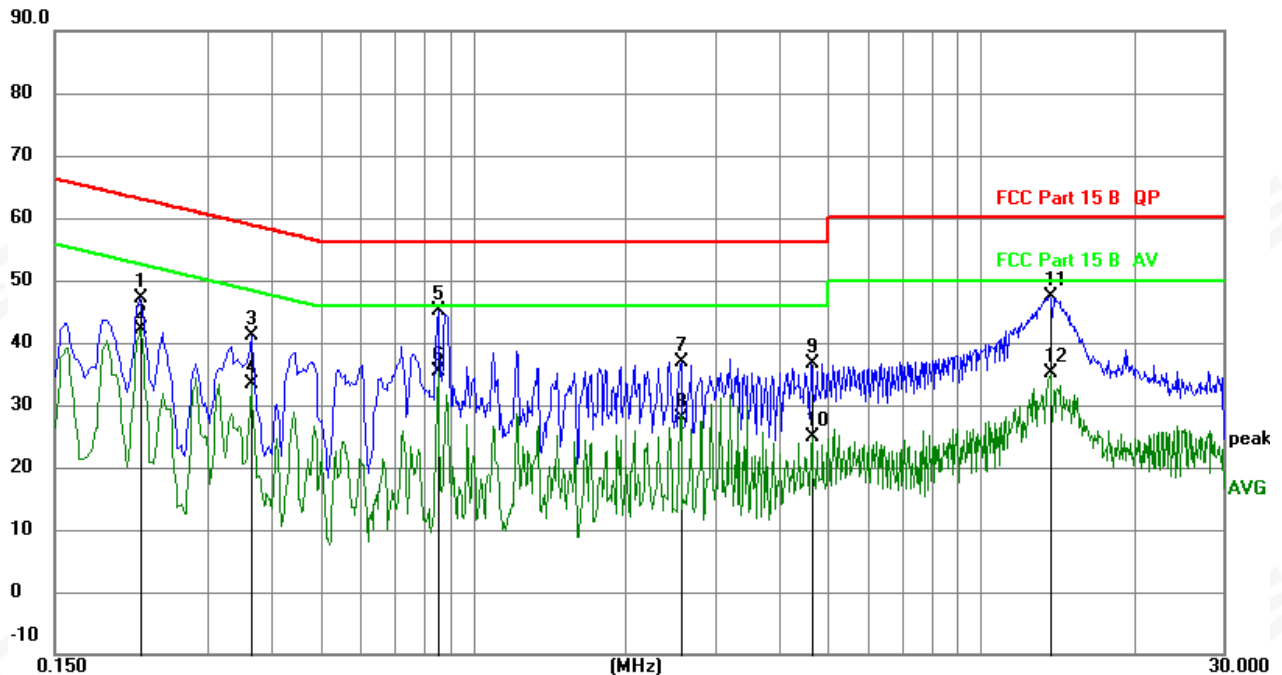
Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement = Reading Level + Correct Factor
4. Over = Measurement - Limit

No.	Mk.	Freq. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.2220	27.44	20.04	47.48	62.74	-15.26	QP
2	*	0.2220	22.79	20.04	42.83	52.74	-9.91	AVG
3		0.4740	17.75	20.06	37.81	56.44	-18.63	QP
4		0.4740	9.22	20.06	29.28	46.44	-17.16	AVG
5		0.8879	23.31	20.27	43.58	56.00	-12.42	QP
6		0.8879	10.00	20.27	30.27	46.00	-15.73	AVG
7		1.8284	16.27	20.20	36.47	56.00	-19.53	QP
8		1.8284	3.84	20.20	24.04	46.00	-21.96	AVG
9		7.3410	14.60	20.98	35.58	60.00	-24.42	QP
10		7.3410	3.12	20.98	24.10	50.00	-25.90	AVG
11		13.4880	17.38	22.14	39.52	60.00	-20.48	QP
12		13.4880	4.58	22.14	26.72	50.00	-23.28	AVG



Temperature:	23.7°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz	Phase:	N
Test Mode:	Mode 1		



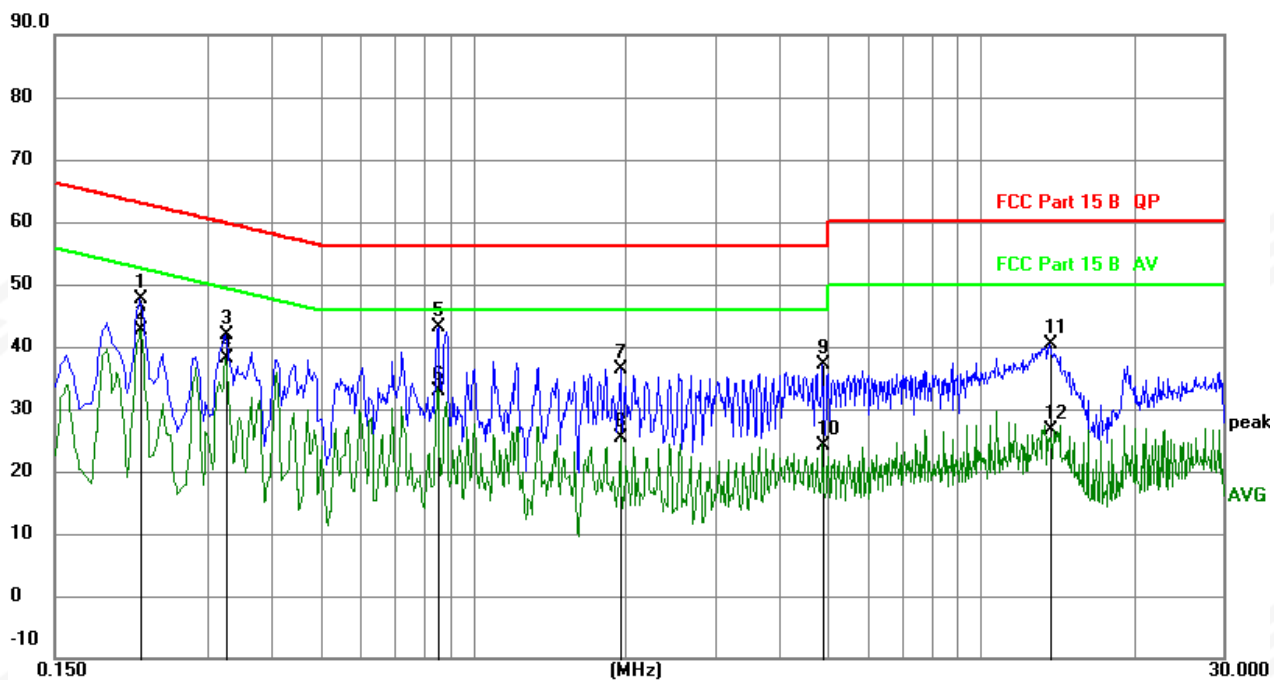
Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement = Reading Level + Correct Factor
4. Over = Measurement - Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz		dB	dBuV	dBuV	dB	
1		0.2220	27.08	20.04	47.12	62.74	-15.62	QP
2		0.2220	21.99	20.04	42.03	52.74	-10.71	AVG
3		0.3660	21.06	20.05	41.11	58.59	-17.48	QP
4		0.3660	13.35	20.05	33.40	48.59	-15.19	AVG
5		0.8564	24.79	20.27	45.06	56.00	-10.94	QP
6	*	0.8564	15.11	20.27	35.38	46.00	-10.62	AVG
7		2.5710	16.61	20.30	36.91	56.00	-19.09	QP
8		2.5710	7.54	20.30	27.84	46.00	-18.16	AVG
9		4.6275	15.92	20.68	36.60	56.00	-19.40	QP
10		4.6275	4.30	20.68	24.98	46.00	-21.02	AVG
11		13.6680	25.12	22.18	47.30	60.00	-12.70	QP
12		13.6680	12.85	22.18	35.03	50.00	-14.97	AVG



Temperature:	23.7°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode:	Mode 2		



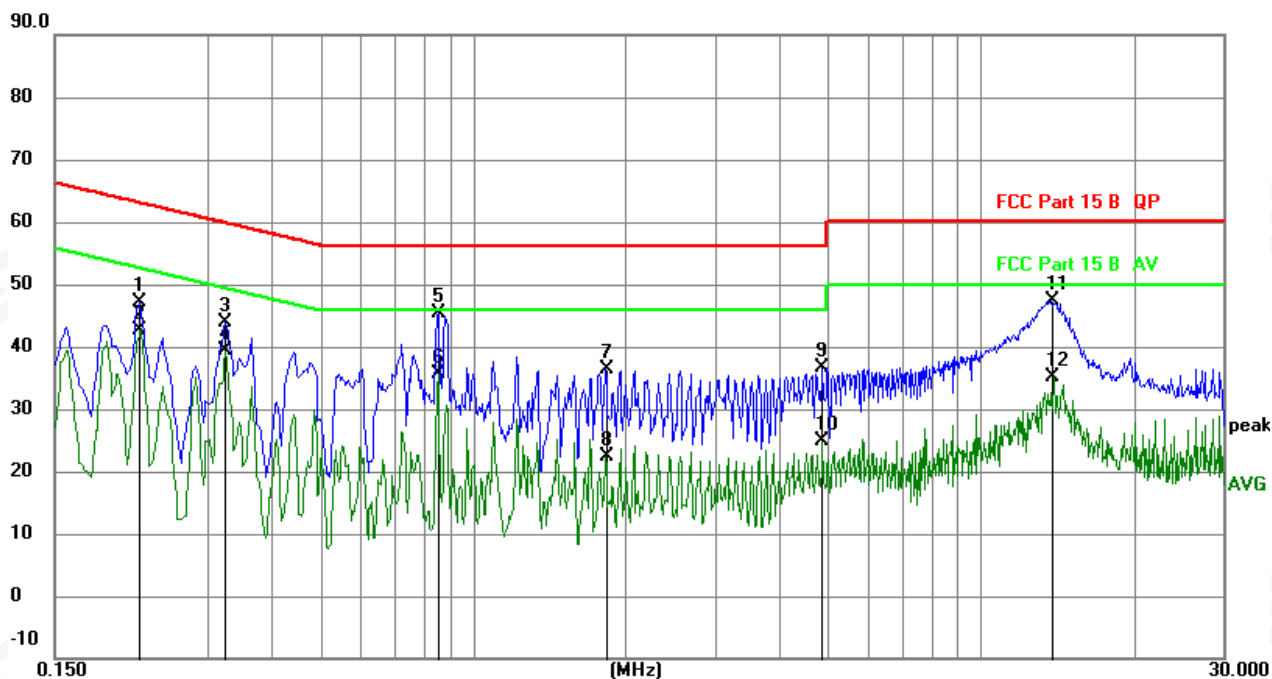
Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement = Reading Level + Correct Factor
4. Over = Measurement - Limit

No.	Mk.	Freq. MHz	Reading Level dB	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.2220	27.69	20.04	47.73	62.74	-15.01	QP
2	*	0.2220	22.60	20.04	42.64	52.74	-10.10	AVG
3		0.3255	21.77	20.05	41.82	59.57	-17.75	QP
4		0.3255	18.04	20.05	38.09	49.57	-11.48	AVG
5		0.8564	22.76	20.27	43.03	56.00	-12.97	QP
6		0.8564	12.59	20.27	32.86	46.00	-13.14	AVG
7		1.9544	16.12	20.18	36.30	56.00	-19.70	QP
8		1.9544	5.20	20.18	25.38	46.00	-20.62	AVG
9		4.8840	16.45	20.70	37.15	56.00	-18.85	QP
10		4.8840	3.55	20.70	24.25	46.00	-21.75	AVG
11		13.6725	18.21	22.18	40.39	60.00	-19.61	QP
12		13.6725	4.33	22.18	26.51	50.00	-23.49	AVG



Temperature:	23.7°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz	Phase:	N
Test Mode:	Mode 2		



Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement = Reading Level + Correct Factor
4. Over = Measurement - Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.2208	26.98	20.04	47.02	62.79	-15.77	QP
2	*	0.2208	22.62	20.04	42.66	52.79	-10.13	AVG
3		0.3251	23.82	20.05	43.87	59.58	-15.71	QP
4		0.3251	19.24	20.05	39.29	49.58	-10.29	AVG
5		0.8528	25.13	20.26	45.39	56.00	-10.61	QP
6		0.8528	15.37	20.26	35.63	46.00	-10.37	AVG
7		1.8192	16.22	20.20	36.42	56.00	-19.58	QP
8		1.8192	2.19	20.20	22.39	46.00	-23.61	AVG
9		4.8738	16.00	20.70	36.70	56.00	-19.30	QP
10		4.8738	4.25	20.70	24.95	46.00	-21.05	AVG
11		13.7680	25.06	22.20	47.26	60.00	-12.74	QP
12		13.7680	12.84	22.20	35.04	50.00	-14.96	AVG



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
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

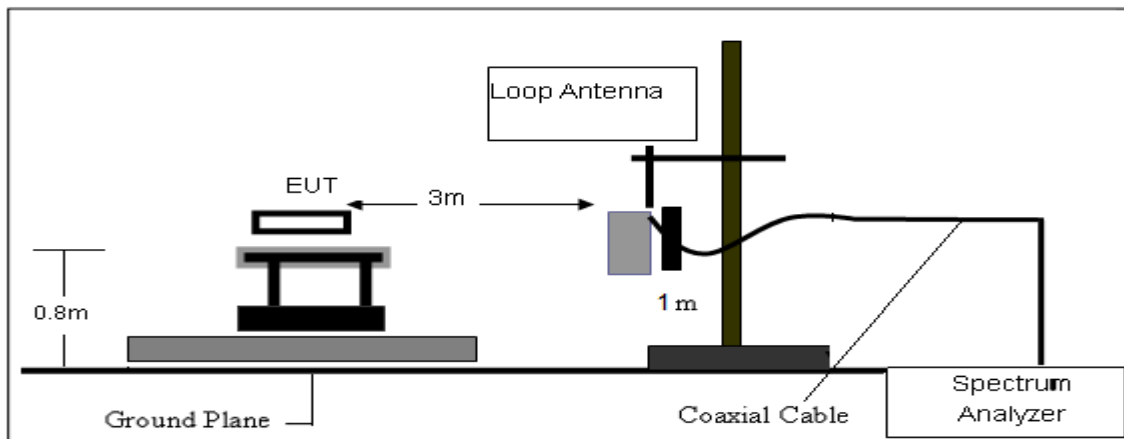
- a. The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz.
- b. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.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

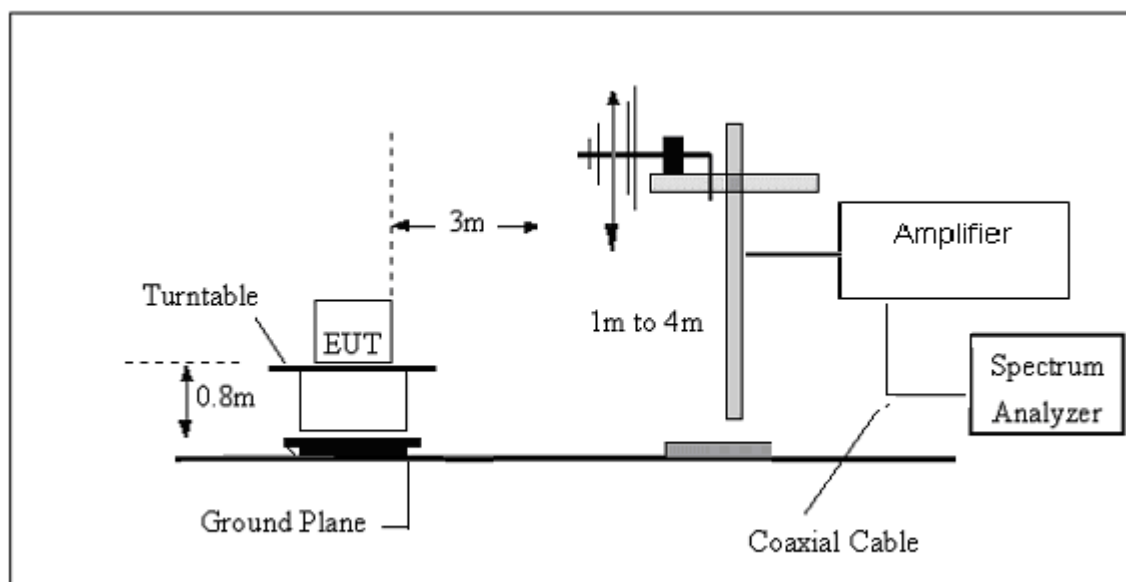
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

4.3 TEST SETUP

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



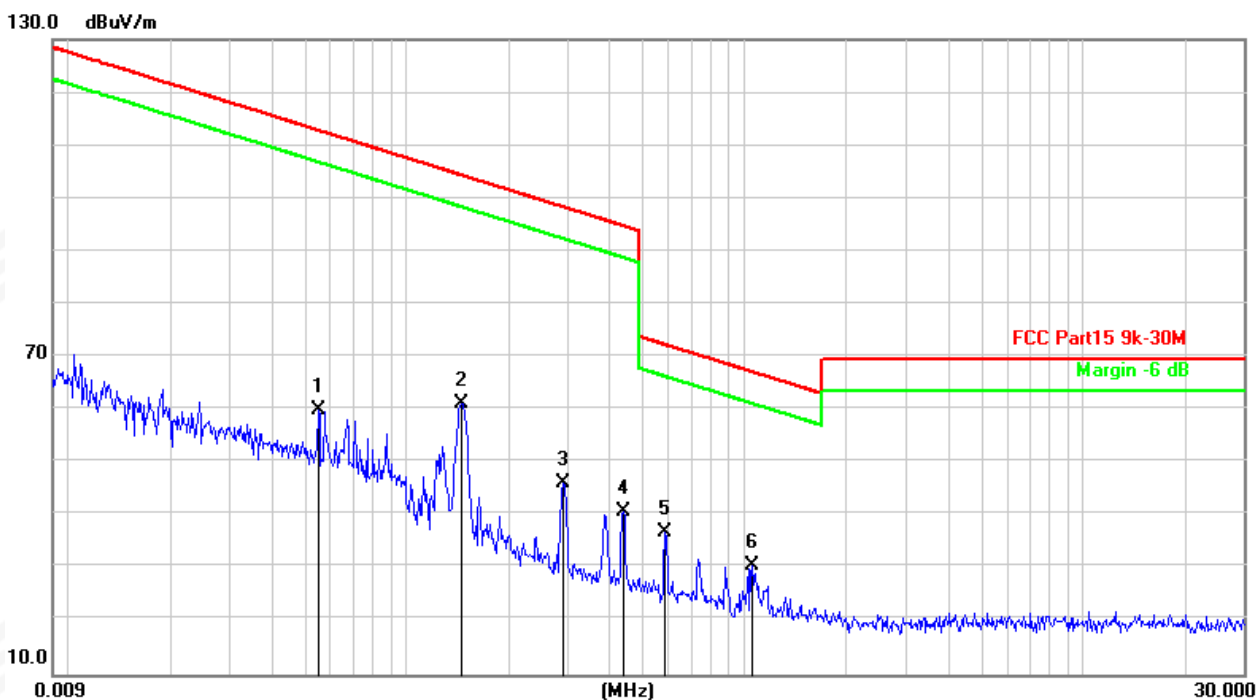
(B) Radiated Emission Test-Up Frequency 30MHz~1GHz





4.4 TEST RESULTS

Temperature :	26°C	Relative Humidity:	54%
Test Voltage :	AC 120V/60Hz	Test Mode :	Mode 1(worst mode)
Polarization:	Coplanar(the worst mode)		

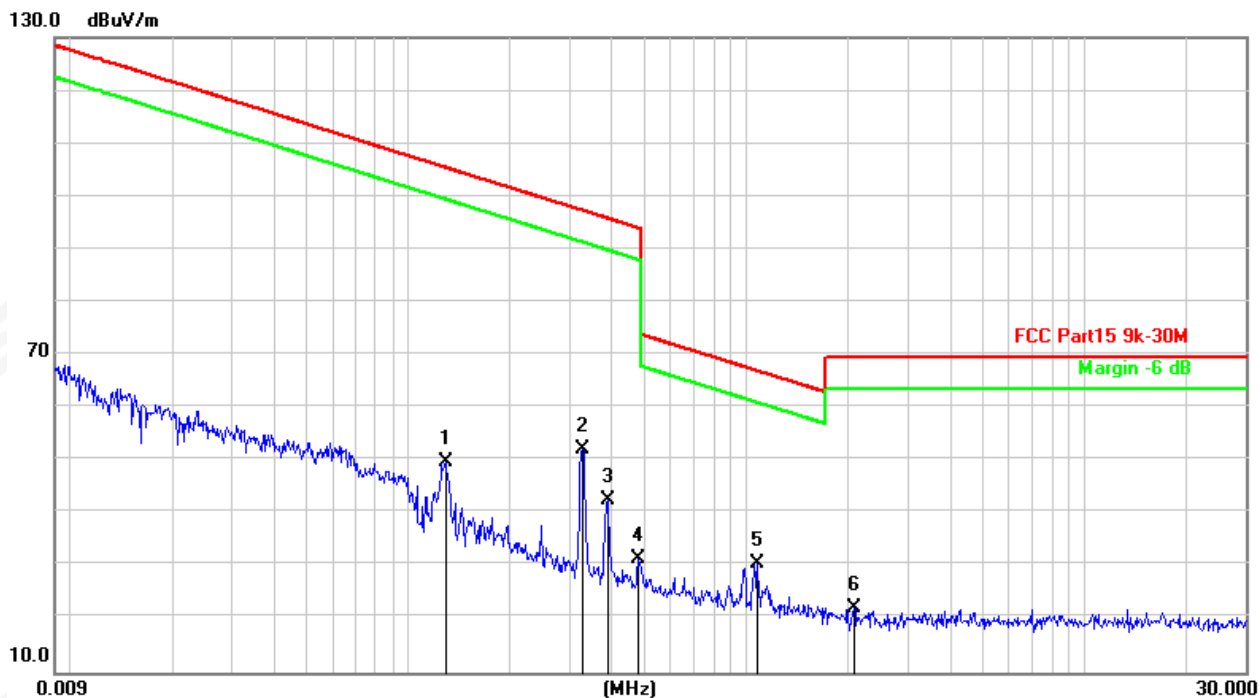
4.4.1 Spurious Radiated Emission Below 30 MHz
9KHz- 30MHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over
		MHz	dBuV	dB	dBuV/m	dB/m	dB Detector
1		0.0549	67.47	-7.39	60.08	112.8	-52.73 peak
2		0.1454	68.63	-7.57	61.06	104.3	-43.29 peak
3		0.2921	53.75	-7.72	46.03	98.29	-52.26 peak
4		0.4382	48.27	-7.61	40.66	94.77	-54.11 peak
5	*	0.5821	44.35	-7.48	36.87	72.31	-35.44 peak
6		1.0524	38.02	-7.36	30.66	67.18	-36.52 peak



Temperature :	26°C	Relative Humidity:	54%
Test Voltage :	AC 120V/60Hz	Test Mode :	Mode 2(worst mode)
Polarization:	Coplanar(the worst mode)		

9KHz- 30MHz

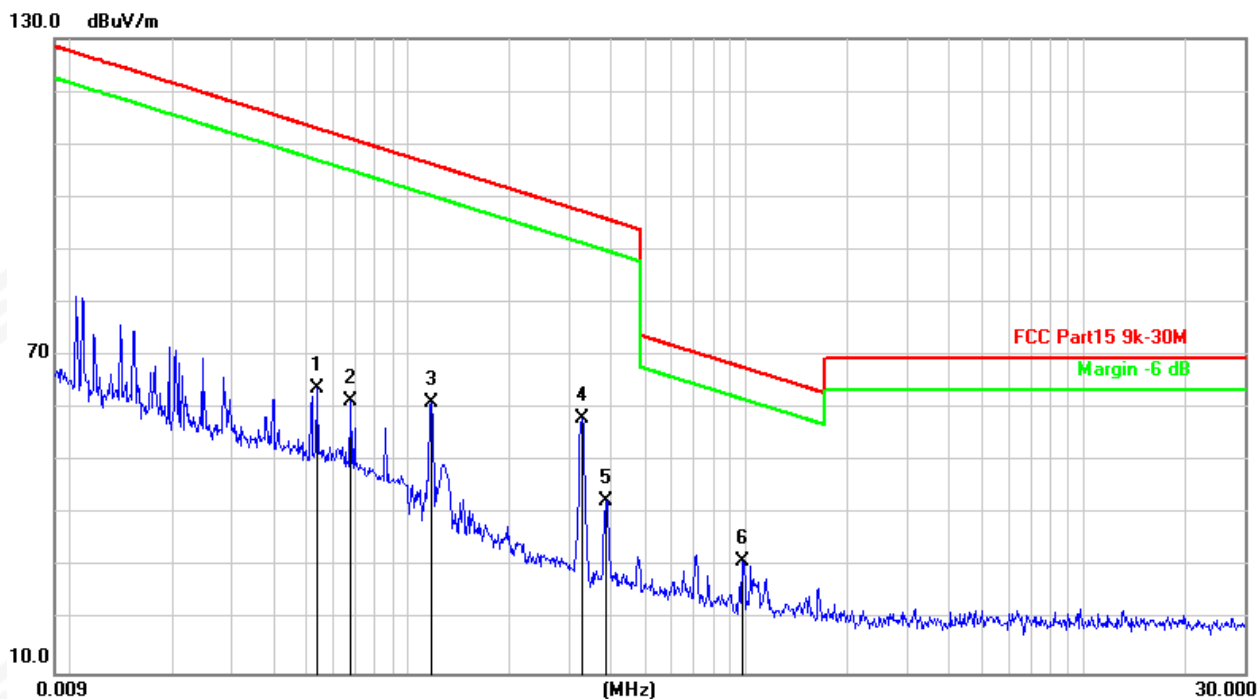


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		0.1287	57.26	-7.54	49.72	105.4	-55.69	peak
2		0.3272	59.81	-7.69	52.12	97.31	-45.19	peak
3		0.3880	50.18	-7.65	42.53	95.83	-53.30	peak
4		0.4791	39.15	-7.58	31.57	94.00	-62.43	peak
5	*	1.0783	38.04	-7.36	30.68	66.97	-36.29	peak
6		2.0801	29.34	-7.32	22.02	69.54	-47.52	peak



Temperature :	26°C	Relative Humidity:	54%
Test Voltage :	DC 3.85V	Test Mode :	Mode 3(worst mode)
Polarization:	Coplanar(the worst mode)		

4.4.1 Spurious Radiated Emission Below 30 MHz 9KHz- 30MHz

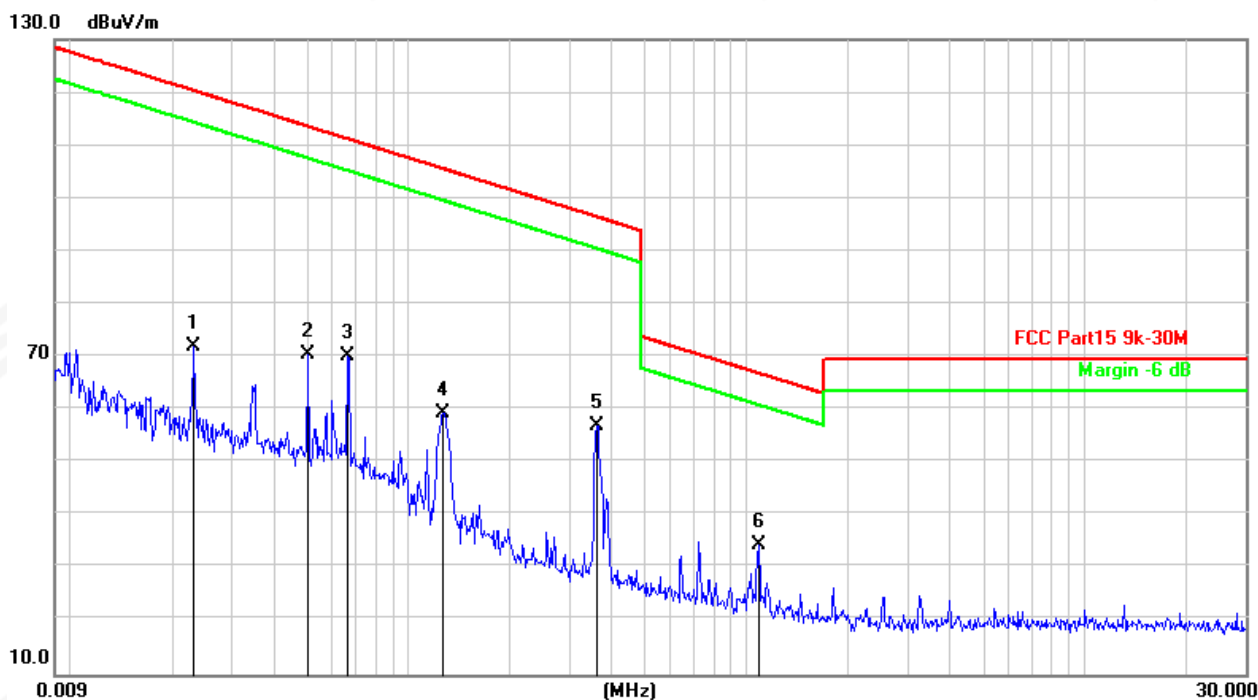


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		0.0536	71.26	-7.36	63.90	113.0	-49.12	peak
2		0.0678	68.98	-7.65	61.33	110.9	-49.65	peak
3		0.1168	68.61	-7.52	61.09	106.2	-45.17	peak
4		0.3272	65.72	-7.69	58.03	97.31	-39.28	peak
5		0.3849	50.31	-7.65	42.66	95.90	-53.24	peak
6	*	0.9783	38.48	-7.36	31.12	67.81	-36.69	peak



Temperature :	26°C	Relative Humidity:	54%
Test Voltage :	DC 3.85V	Test Mode :	Mode 4(worst mode)
Polarization:	Coplanar(the worst mode)		

9KHz- 30MHz

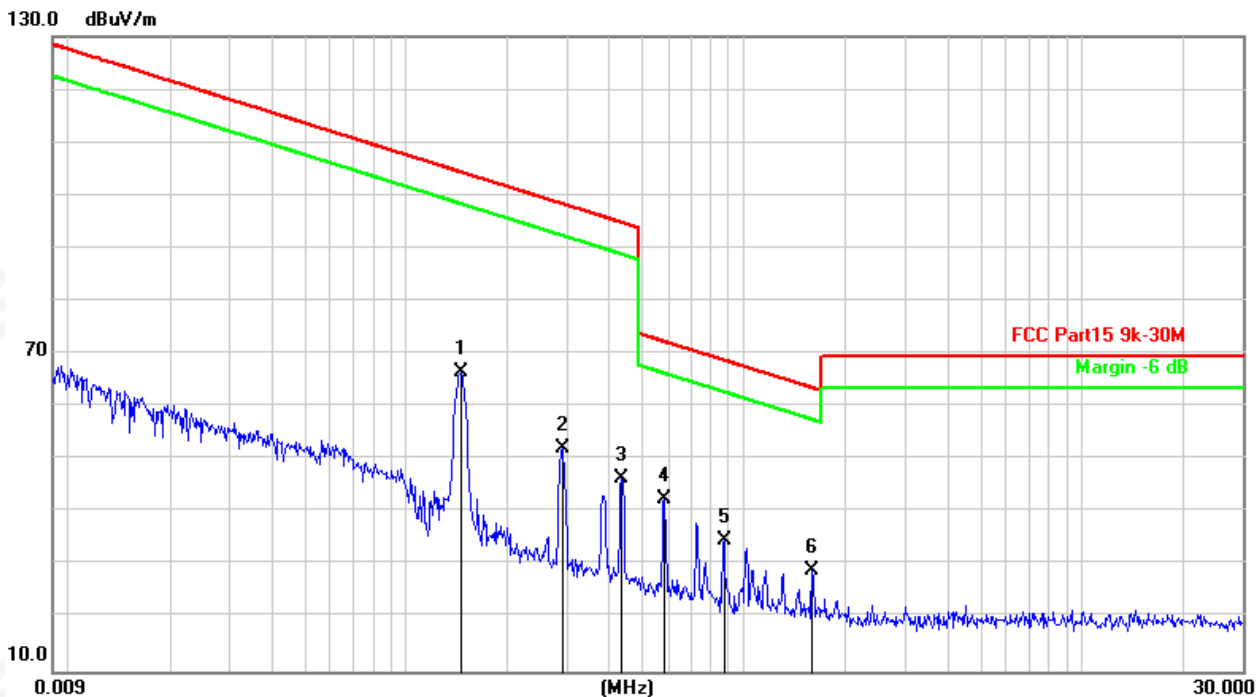


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		0.0232	79.41	-7.47	71.94	120.2	-48.35	peak
2		0.0507	77.77	-7.30	70.47	113.5	-43.03	peak
3		0.0662	77.88	-7.61	70.27	111.1	-40.92	peak
4		0.1267	66.86	-7.54	59.32	105.5	-46.23	peak
5		0.3607	64.56	-7.67	56.89	96.46	-39.57	peak
6	*	1.0871	41.78	-7.36	34.42	66.90	-32.48	peak



Temperature :	26°C	Relative Humidity:	54%
Test Voltage :	DC 3.85V	Test Mode :	Mode 5(worst mode)
Polarization:	Coplanar(the worst mode)		

4.4.1 Spurious Radiated Emission Below 30 MHz 9KHz- 30MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		0.1454	73.99	-7.57	66.42	104.3	-37.93	peak
2		0.2898	59.81	-7.72	52.09	98.36	-46.27	peak
3		0.4347	54.00	-7.62	46.38	94.84	-48.46	peak
4	*	0.5821	50.07	-7.48	42.59	72.31	-29.72	peak
5		0.8733	41.97	-7.36	34.61	68.79	-34.18	peak
6		1.5916	36.29	-7.34	28.95	63.60	-34.65	peak

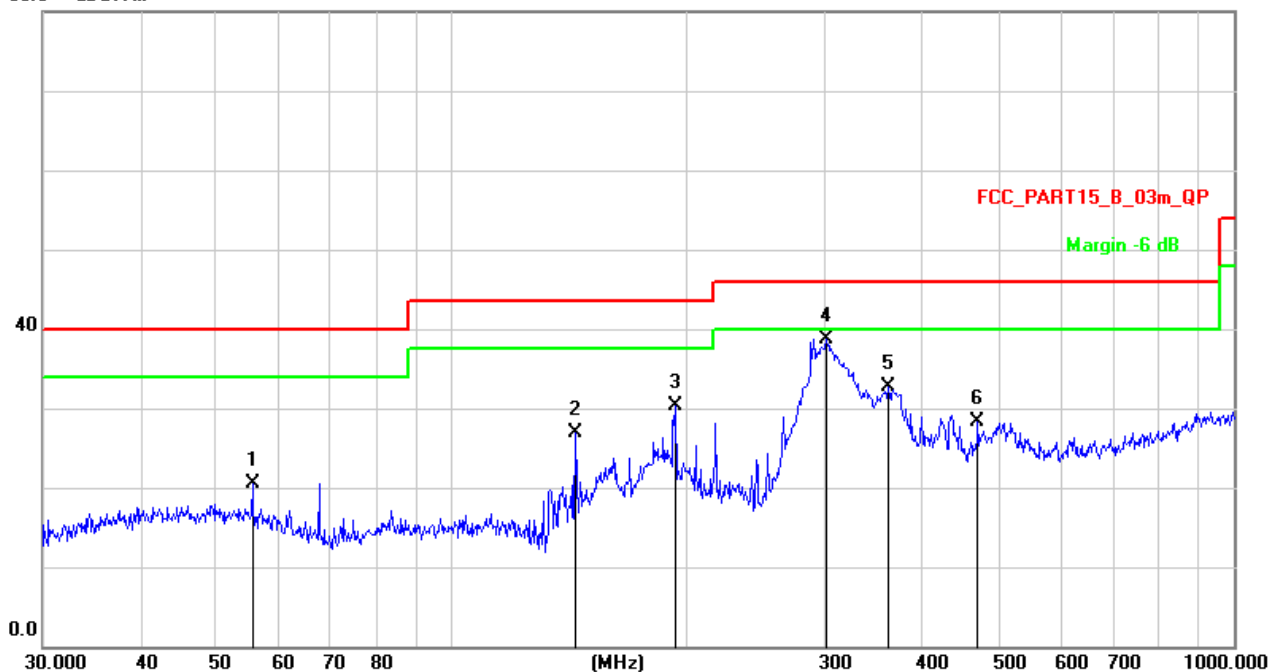


4.4.2 Spurious Radiated Emission below 1 GHz

Temperature :	26°C	Relative Humidity:	54%
Test Voltage :	AC 120V/60Hz	Test Mode :	Mode 1(Worst mode)

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

80.0 dBuV/m



Remark:

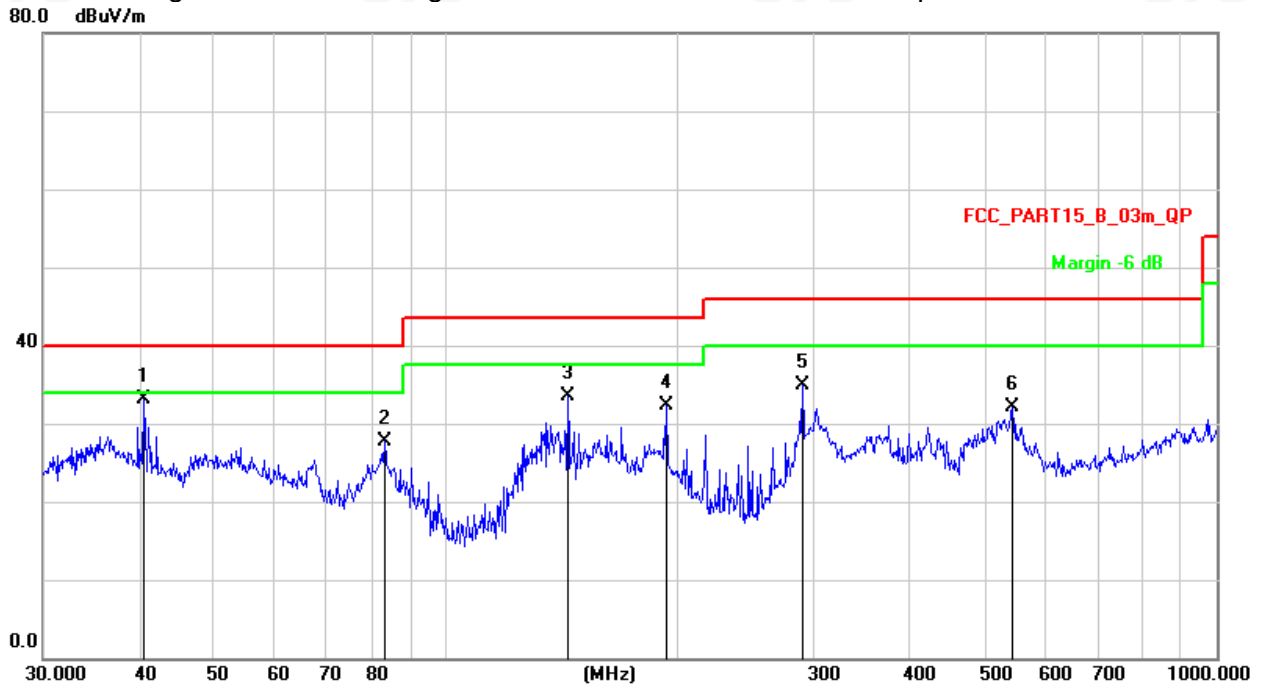
1. Margin = Result (Result = Reading + Factor) - Limit
2. Factor = Antenna factor + Cable attenuation factor (cable loss) - Amplifier gain

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		55.6094	29.05	-8.48	20.57	40.00	-19.43	QP
2		143.8295	39.86	-12.90	26.96	43.50	-16.54	QP
3		193.0945	40.49	-10.12	30.37	43.50	-13.13	QP
4	*	301.4224	46.40	-7.68	38.72	46.00	-7.28	QP
5		361.7139	38.62	-5.87	32.75	46.00	-13.25	QP
6		470.5232	32.16	-3.94	28.22	46.00	-17.78	QP



Temperature :	26°C	Relative Humidity:	54%
Test Voltage :	AC 120V/60Hz	Test Mode :	Mode 1(Worst mode)

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



Remark:

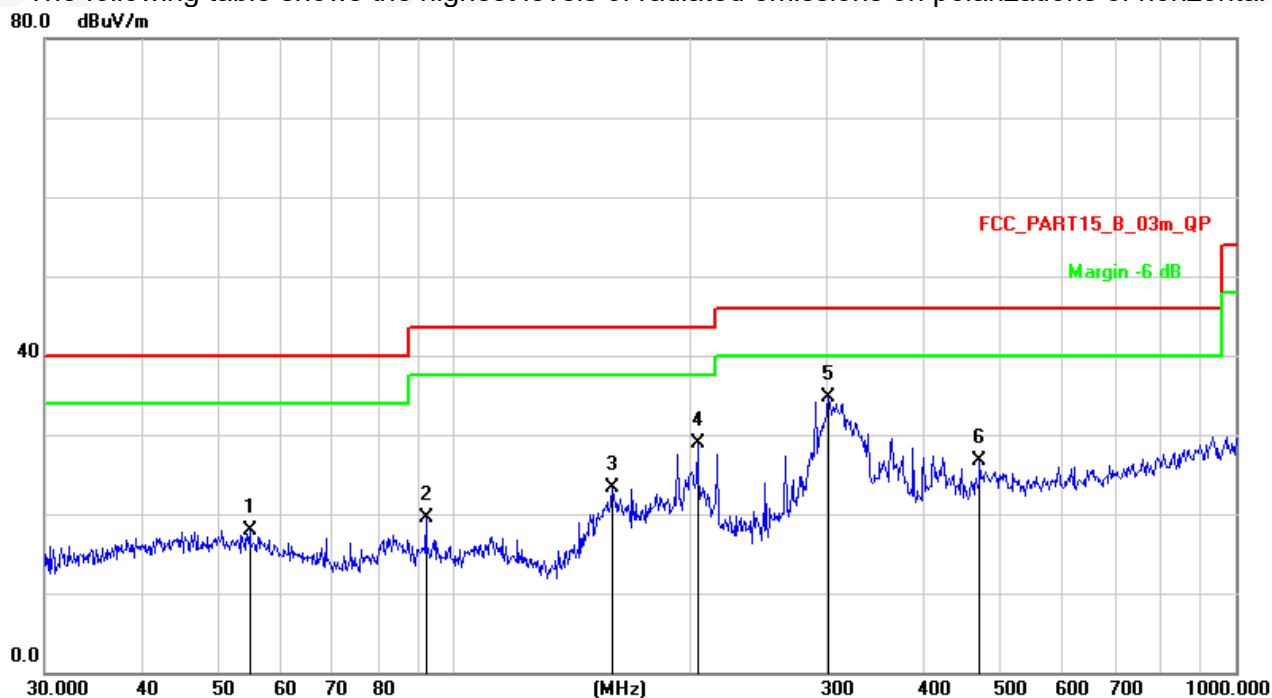
1. Margin = Result (Result = Reading + Factor) - Limit
2. Factor = Antenna factor + Cable attenuation factor (cable loss) - Amplifier gain

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	40.5591	41.53	-8.43	33.10	40.00	-6.90	QP
2		83.2298	40.59	-12.82	27.77	40.00	-12.23	QP
3		143.8295	46.36	-12.90	33.46	43.50	-10.04	QP
4		193.0945	42.50	-10.12	32.38	43.50	-11.12	QP
5		290.0172	42.67	-7.86	34.81	46.00	-11.19	QP
6		543.2742	34.93	-2.84	32.09	46.00	-13.91	QP



Temperature :	26°C	Relative Humidity:	54%
Test Voltage :	AC 120V/60Hz	Test Mode :	Mode 2(Worst mode)

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



Remark:

3. Margin = Result (Result = Reading + Factor) - Limit

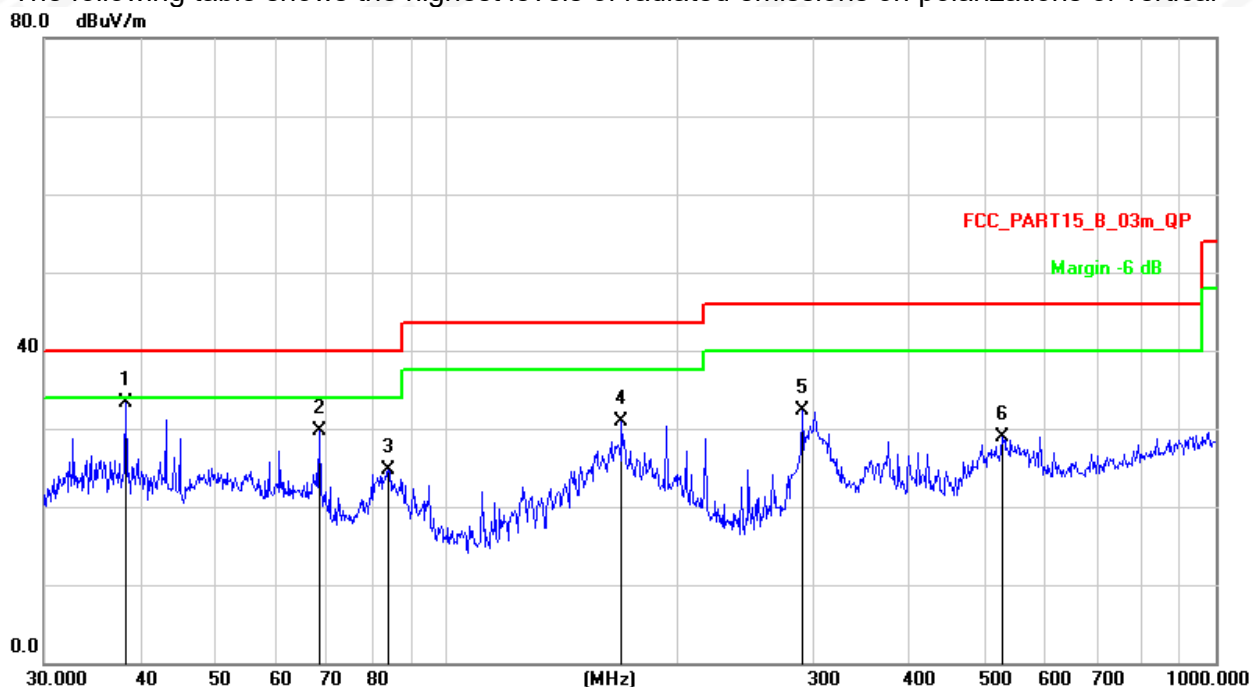
4. Factor = Antenna factor + Cable attenuation factor (cable loss) - Amplifier gain

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over
		MHz	dBuV	dB	dBuV/m	dB/m	dB Detector
1		54.8348	26.26	-8.39	17.87	40.00	-22.13 QP
2		92.1388	30.45	-10.94	19.51	43.50	-23.99 QP
3		159.2251	35.46	-12.16	23.30	43.50	-20.20 QP
4		204.9551	38.27	-9.43	28.84	43.50	-14.66 QP
5	*	301.4224	42.37	-7.68	34.69	46.00	-11.31 QP
6		470.5232	30.58	-3.94	26.64	46.00	-19.36 QP



Temperature :	26°C	Relative Humidity:	54%
Test Voltage :	AC 120V/60Hz	Test Mode :	Mode 2(Worst mode)

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



Remark:

3. Margin = Result (Result = Reading + Factor) - Limit

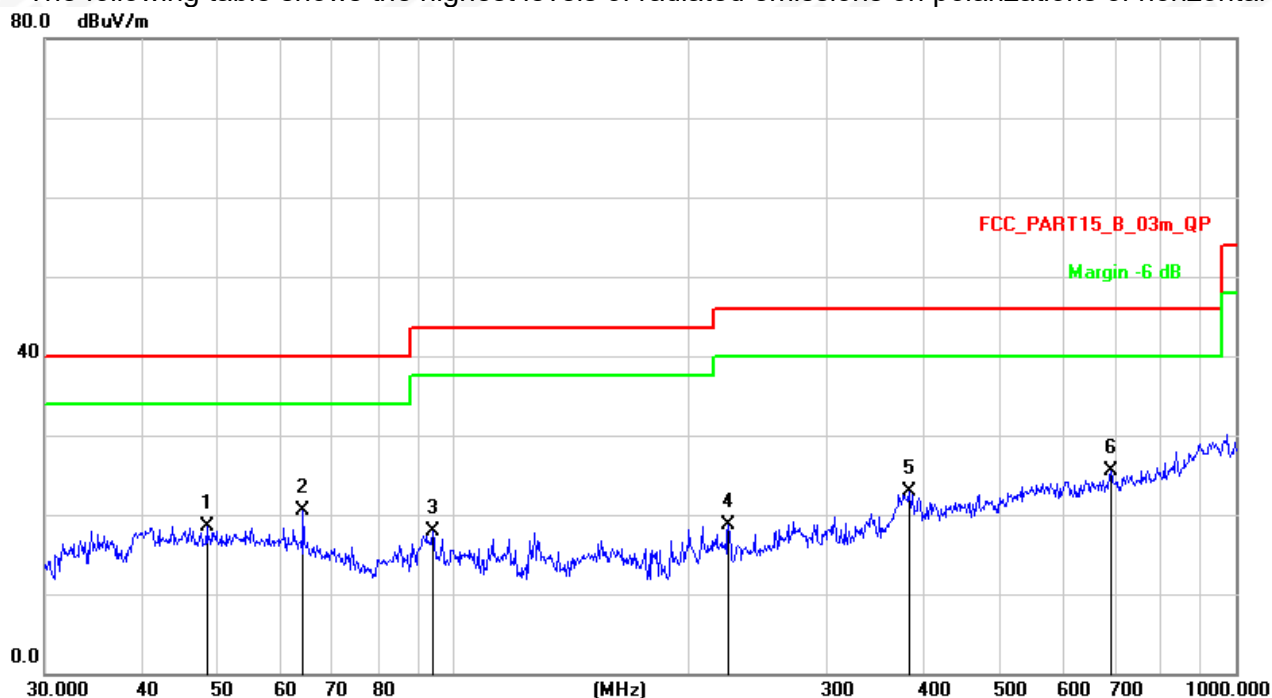
4. Factor = Antenna factor + Cable attenuation factor (cable loss) - Amplifier gain

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	
		MHz	Level	Factor	ment			Detector
			dBuV	dB	dBuV/m	dB/m	dB	
1	*	38.3462	42.10	-8.71	33.39	40.00	-6.61	QP
2		68.3908	40.63	-10.89	29.74	40.00	-10.26	QP
3		84.1100	37.38	-12.61	24.77	40.00	-15.23	QP
4		169.0054	42.80	-11.96	30.84	43.50	-12.66	QP
5		290.0172	40.16	-7.86	32.30	46.00	-13.70	QP
6		528.2458	31.94	-3.11	28.83	46.00	-17.17	QP



Temperature :	26°C	Relative Humidity:	54%
Test Voltage :	DC 3.85V	Test Mode :	Mode 4(Worst mode)

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



Remark:

5. Margin = Result (Result = Reading + Factor) - Limit

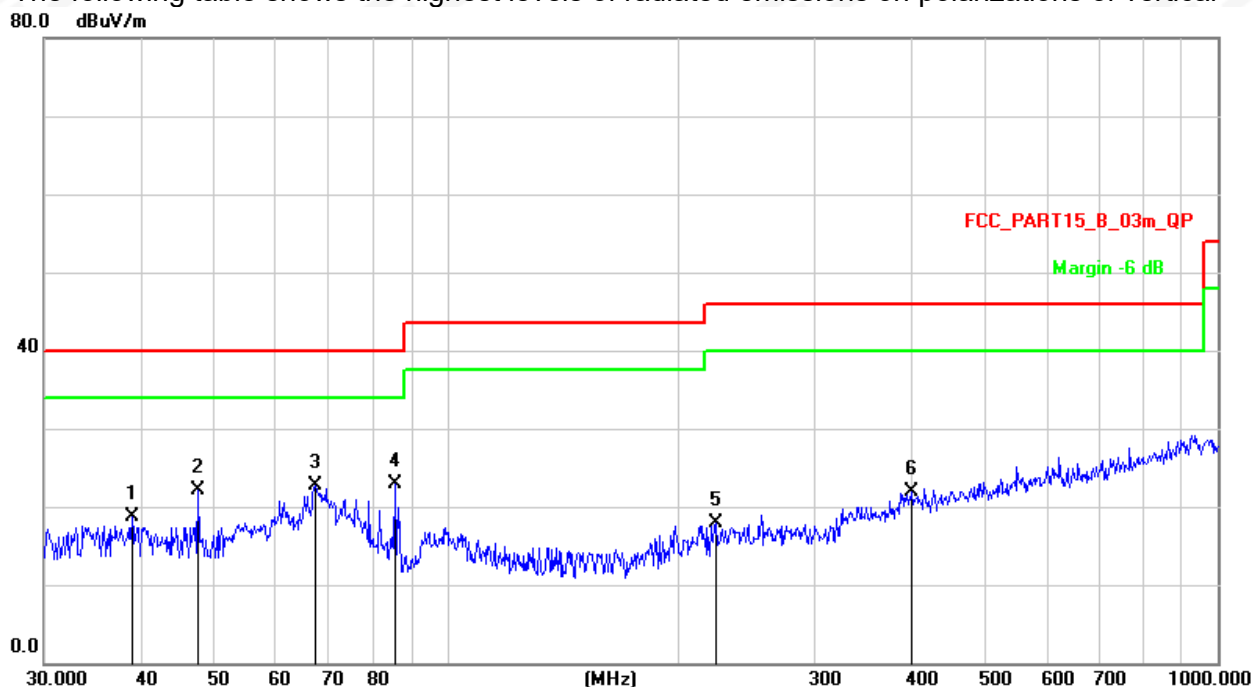
6. Factor = Antenna factor + Cable attenuation factor (cable loss) - Amplifier gain

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	
		MHz	Level	Factor	ment			Detector
			dBuV	dB	dBuV/m	dB/m	dB	
1		48.3318	26.55	-7.96	18.59	40.00	-21.41	QP
2	*	64.2074	30.46	-9.93	20.53	40.00	-19.47	QP
3		94.0978	28.61	-10.64	17.97	43.50	-25.53	QP
4		224.5192	28.06	-9.28	18.78	46.00	-27.22	QP
5		382.5878	28.09	-5.24	22.85	46.00	-23.15	QP
6		691.9867	26.58	-1.16	25.42	46.00	-20.58	QP



Temperature :	26°C	Relative Humidity:	54%
Test Voltage :	DC 3.85V	Test Mode :	Mode 4(Worst mode)

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



Remark:

5. Margin = Result (Result = Reading + Factor) - Limit

6. Factor = Antenna factor + Cable attenuation factor (cable loss) - Amplifier gain

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		39.0245	27.33	-8.61	18.72	40.00	-21.28	QP
2		47.4917	30.02	-8.01	22.01	40.00	-17.99	QP
3		67.4381	33.40	-10.67	22.73	40.00	-17.27	QP
4	*	85.5977	35.25	-12.27	22.98	40.00	-17.02	QP
5		222.9499	27.27	-9.33	17.94	46.00	-28.06	QP
6		400.4318	26.56	-4.72	21.84	46.00	-24.16	QP



5. 20 DB BANDWIDTH TEST

5.1 Limit

FCC Part 2.1049, Only applicable to report.

5.2 TEST SETUP

1. Set RBW = 1%~5% OBW.
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission.

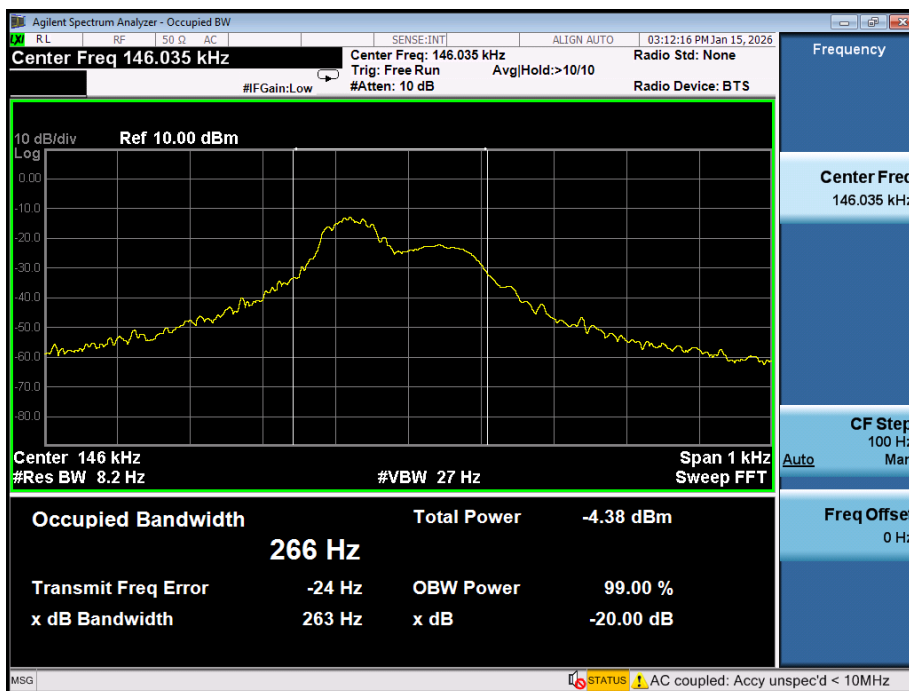




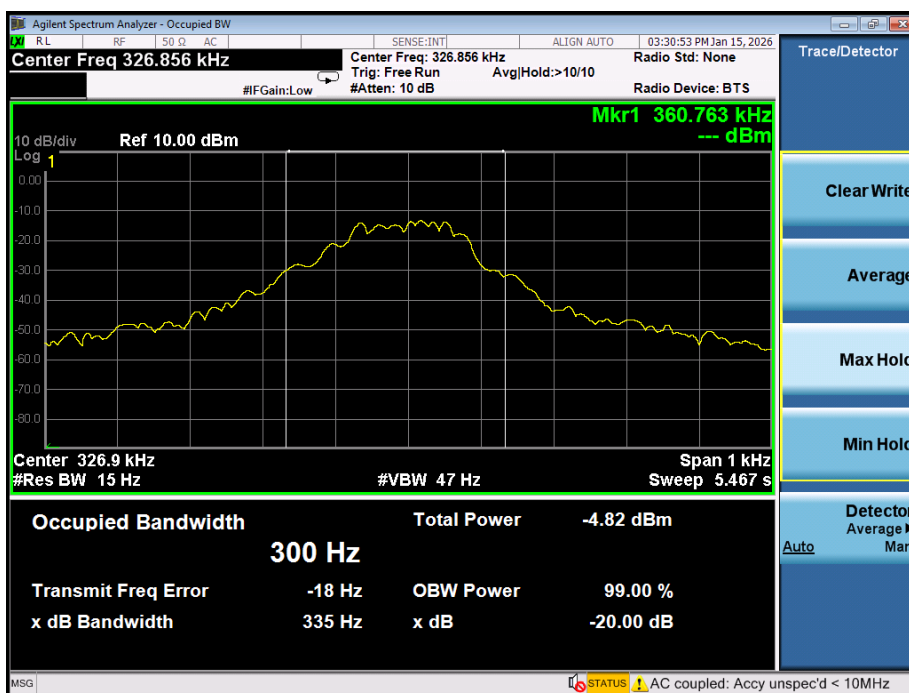
5.3 TEST RESULTS

Operating Frequency (kHz)	20 dB Bandwidth (Hz)
146	263
326.9	335
361.2	469

146 kHz

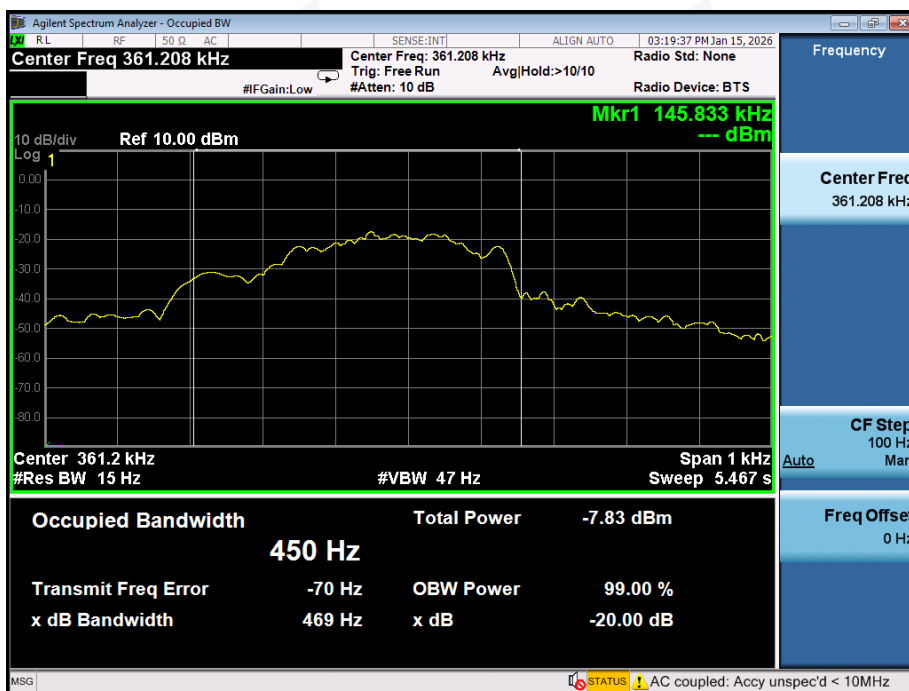


326.9 kHz





361.2 kHz





6. ANTENNA REQUIREMENTS

6.1 Limit

For intentional device, according to FCC 47 CFR Section 15.203, 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 shall be considered sufficient to comply with the provisions of this section. 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.

6.2 TEST RESULTS

The antenna used for this product is Inductive Loop coil antenna.



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※※※※※