

TEST REPORT

Applicant	Belkin International, Inc.
Address	12045 East Waterfront Drive, Playa Vista, CA 90094 USA

Manufacturer or Supplier	Belkin International, Inc.
Address	12045 East Waterfront Drive, Playa Vista, CA 90094 USA
Product	BOOST↑CHARGE™ Wireless Charging Stand 15W
Additional Product	Wireless Charging Stand 15W, see items 3.1
Brand Name	belkin, playa
Model	WIB002
Additional Model & Model Difference	PW0006, see items 3.1
Date of tests	Aug. 01, 2020 ~ Aug. 26, 2020

The submitted sample of the above equipment has been tested for according to the requirements of the following standards:

☒ **FCC Part 15, Subpart C**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Lucas Chen Project Engineer / EMC Department	Approved by Glyn He Assistant Manager/ EMC Department
	
	Date: Sep. 25, 2020

This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

TABLE OF CONTENTS

RELEASE CONTROL RECORD	3
1 SUMMARY OF TEST RESULTS	4
2 MEASUREMENT UNCERTAINTY	4
3 GENERAL INFORMATION.....	5
3.1 GENERAL DESCRIPTION OF EUT	5
3.2 DESCRIPTION OF TEST MODES.....	6
3.3 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL	6
3.4 DESCRIPTION OF SUPPORT UNITS	7
3.5 CONFIGURATION OF SYSTEM UNDER TEST	8
3.6 GENERAL DESCRIPTION OF APPLIED STANDARDS	8
4 EMISSION TEST.....	9
4.1 CONDUCTED EMISSION MEASUREMENT	9
4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT	9
4.1.2 TEST INSTRUMENTS.....	9
4.1.3 TEST PROCEDURE.....	10
4.1.4 DEVIATION FROM TEST STANDARD	10
4.1.5 TEST SETUP.....	11
4.1.6 EUT OPERATING CONDITIONS	11
4.1.7 TEST RESULTS	12
4.2 RADIATED EMISSION MEASUREMENT	18
4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT	18
4.2.2 TEST INSTRUMENTS.....	19
4.2.3 TEST PROCEDURE.....	20
4.2.4 DEVIATION FROM TEST STANDARD	20
4.2.5 TEST SETUP.....	21
4.2.6 EUT OPERATING CONDITIONS	21
4.2.7 TEST RESULTS	22
4.3. 20DB BANDWIDTH MEASUREMENT	46
4.3.1 LIMITS OF 20DB BANDWIDTH MEASUREMENT.....	46
4.3.2 TEST INSTRUMENTS.....	46
4.2.1 TEST PROCEDURE.....	46
4.2.2 DEVIATION FROM TEST STANDARD	46
4.2.3 TEST SETUP.....	47
4.2.4 EUT OPERATING CONDITION	47
4.3.3 TEST RESULTS	48
5 PHOTOGRAPHS OF THE TEST CONFIGURATION	51
6 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB	52



Test Report No.: RF200727N001

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF200727N001	Original release	Sep. 25, 2020

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 15, Subpart C			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	REMARK
§15.203	Antenna Requirement	PASS	No antenna connector is used.
§15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit.
§15.209	Radiated Emission	PASS	Meet the requirement of limit.
§15.215 (c)	20dB Bandwidth	PASS	Meet the requirement of limit.

2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	9kHz~30MHz	2.70dB
Radiated emissions	9KHz ~ 30MHz	2.16dB
	30MHz ~ 1GMHz	3.76dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	BOOST↑CHARGE™ Wireless Charging Stand 15W
ADDITIONAL PRODUCT	Wireless Charging Stand 15W
MODEL NO.	WIB002
ADDITIONAL MODE	PW0006
FCC ID	K7SWIB002
POWER SUPPLY	Input: 12V=1.8A from adapter Output: 15W
MODULATION TYPE	FSK
OPERATING FREQUENCY RANGE	110KHz ~ 205KHz
I/O PORTS	Loop Antenna
FIELD STRENGTH	83.90dBuV/m
MAXIMUM POWER OUTPUT FROM THE CHARGING COIL	Max Power Should be 15W
CABLE SUPPLIED	USB-A to USB-C cable: Shielded, detachable 1.2m

NOTES:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
- Please refer to the EUT photo document (Reference No.: 200727N001-1) for detailed product photo.
- Additional model PW0006 is identical with test model WIB002 except the model no. and brand name for trading purpose.
- Model list:

Product	Brand	Model no.
BOOST CHARGE Wireless Charging Stand 15W	belkin	WIB002
Wireless Charging Stand 15W	playa	PW0006

- The EUT can be powered by adapter as list as attach:

ADAPTER	
BRAND:	belkin
MODEL:	DSA-24QFA FUS A
INPUT:	AC 100-240V, 50/60Hz, 0.8A
OUTPUT:	USB-C 5V=3A, 9V=2.7A, 12V=2.0A
DC LINE:	N/A

3.2 DESCRIPTION OF TEST MODES

The following test frequencies are provided to this EUT:

Operating Frequency Range(KHz)	Tested Frequency(KHz)	Mode
110-205	127.792	Standby
110-205	127.792	iPhone X operating
110-205	127.792	Receiver load operating

3.3 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE	APPLICABLE TO			DESCRIPTION
	RE<1G	PLC	20BW	
A	√	√	√	Standby
B	√	√	√	iPhone X operating
C	√	√	√	Receiver load operating

Where **RE<1G**: Radiated Emission below 1GHz

PLC: Power Line Conducted Emission

20BW: 20dB Bandwidth

Note:

1. The EUT is designed to be positioned on the **Y-plane** only.

Radiated Emission Test (Below 1GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT configure mode	Operating Frequency Range(KHz)	Tested Frequency(KHz)	Modulation Type
A	110-205	127.792	FSK
B	110-205	127.792	FSK
C	110-205	127.792	FSK

Power Line Conducted Emission Test:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT configure mode	Operating Frequency Range(KHz)	Tested Frequency(KHz)	Modulation Type
A	110-205	127.792	FSK
B	110-205	127.792	FSK
C	110-205	127.792	FSK

20dB Bandwidth TEST:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT configure mode	Operating Frequency Range(KHz)	Tested Frequency(KHz)	Modulation Type
A	110-205	127.792	FSK
B	110-205	127.792	FSK
C	110-205	127.792	FSK

TEST CONDITION:

Applicable to	Environmental conditions	Input Power(Adapter)	Tested by
RE<1G	24 °C, 64% RH	120Vac, 60Hz	Vincent
PLC	24 °C, 64% RH	120Vac, 60Hz	MingBai
20BW	24 °C, 64% RH	120Vac, 60Hz	Daniel

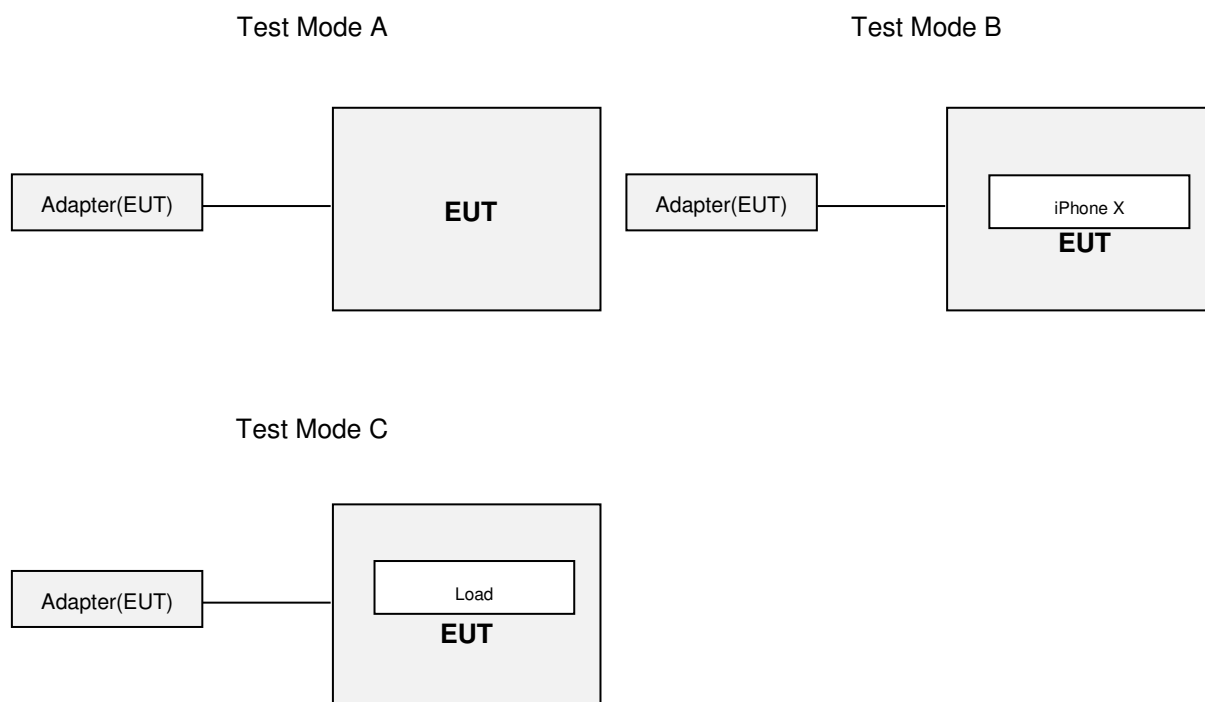
3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as a dependent 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.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	iPhone X	Apple	MQA52CH/A	N/A	N/A
2	Receiver load	N/A	N/A	N/A	N/A

NO.	DESCRIPTION OF THE ABOVE SUPPORT UNITS
1-2	N/A

3.5 CONFIGURATION OF SYSTEM UNDER TEST



3.6 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart C (15.207/15.209)
ANSI C63.10-2013

All test items have been performed and recorded as per the above standards.

4 EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

- NOTES:** (1) The lower limit shall apply at the transition frequencies.
 (2) The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
 (3) All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.1.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101494	Mar. 18,20	Mar. 17,21
Artificial Mains Network	Rohde&Schwarz	ENV216	101173	Mar. 18,20	Mar. 17,21
Artificial Mains Network	Rohde&Schwarz	ESH3-Z5	100317	Mar. 18,20	Mar. 17,21
Voltage probe	SCHWARZBECK	TK 9421	TK 9421-176	Sep. 24,19	Sep. 23,20
Test software	ADT	ADT_Conc v7.3.7	N/A	N/A	N/A

- NOTES:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
 2. The test was performed in shielding room 553.

4.1.3 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20dB) were not recorded.

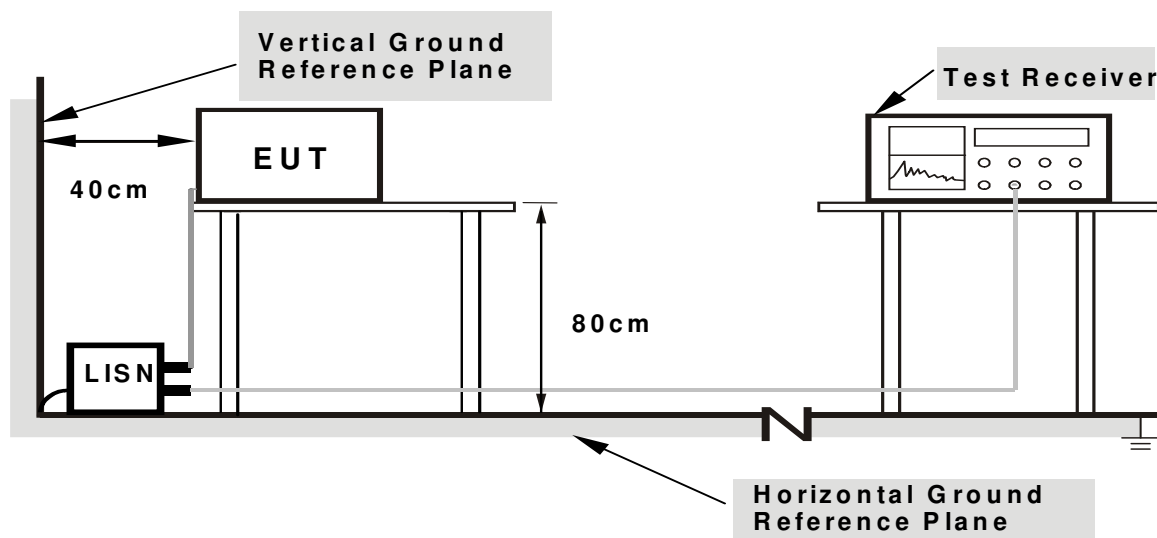
NOTES:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

4.1.4 DEVIATION FROM TEST STANDARD

No deviation.

4.1.5 TEST SETUP



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

4.1.6 EUT OPERATING CONDITIONS

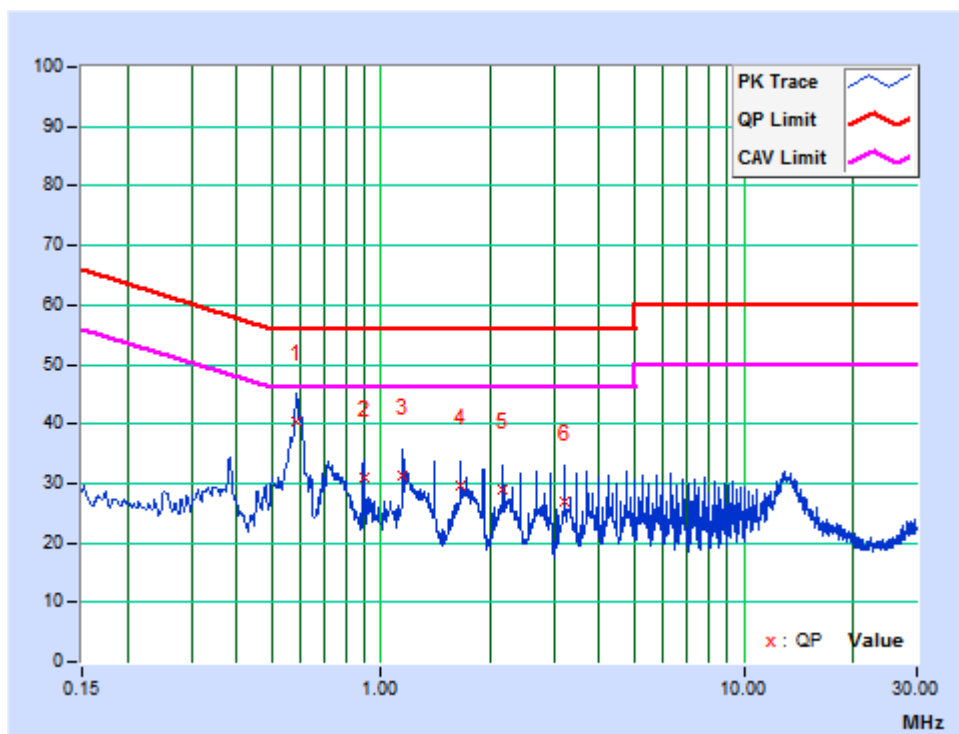
- a. Turn on the EUT.
- b. The EUT tested in charging mode and standby mode respectively.

4.1.7 TEST RESULTS

TEST MODE	A	PHASE	Line(L)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 60% RH	TESTED BY: Ming Bai	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.58528	9.80	30.76	23.35	40.56	33.15	56.00	46.00	-15.44	-12.85
2	0.89475	9.81	21.29	10.83	31.10	20.64	56.00	46.00	-24.90	-25.36
3	1.14900	9.82	21.37	11.78	31.19	21.60	56.00	46.00	-24.81	-24.40
4	1.66075	9.82	19.97	10.57	29.79	20.39	56.00	46.00	-26.21	-25.61
5	2.17275	9.82	19.08	9.52	28.90	19.34	56.00	46.00	-27.10	-26.66
6	3.19425	9.85	16.98	7.78	26.83	17.63	56.00	46.00	-29.17	-28.37

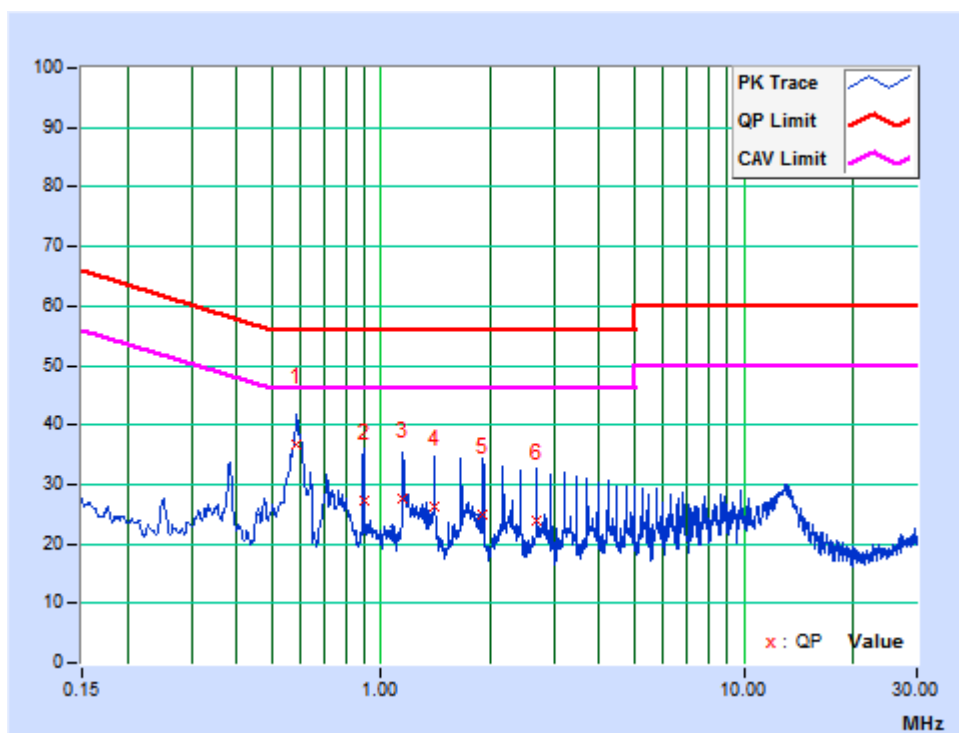
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	A	PHASE	Neutral (N)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 60% RH	TESTED BY: Ming Bai	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.58650	9.74	27.00	18.26	36.74	28.00	56.00	46.00	-19.26	-18.00
2	0.89475	9.76	17.66	6.26	27.42	16.02	56.00	46.00	-28.58	-29.98
3	1.15058	9.79	17.72	6.96	27.51	16.75	56.00	46.00	-28.49	-29.25
4	1.40550	9.78	16.64	5.25	26.42	15.03	56.00	46.00	-29.58	-30.97
5	1.91625	9.79	15.13	5.00	24.92	14.79	56.00	46.00	-31.08	-31.21
6	2.68350	9.78	14.09	4.89	23.87	14.67	56.00	46.00	-32.13	-31.33

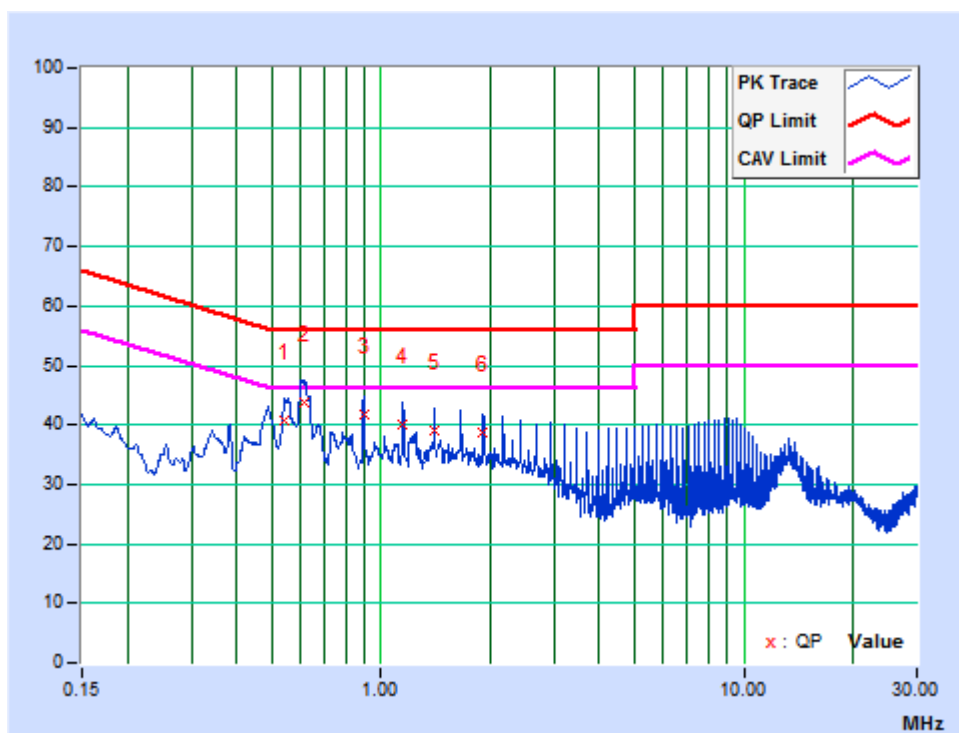
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	B	PHASE	Line(L)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 60% RH	TESTED BY: Ming Bai	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.54357	9.79	31.10	19.90	40.89	29.69	56.00	46.00	-15.11	-16.31
2	0.61125	9.80	34.06	25.24	43.86	35.04	56.00	46.00	-12.14	-10.96
3	0.89475	9.81	31.97	27.56	41.78	37.37	56.00	46.00	-14.22	-8.63
4	1.14900	9.82	30.36	24.99	40.18	34.81	56.00	46.00	-15.82	-11.19
5	1.40550	9.82	29.38	24.98	39.20	34.80	56.00	46.00	-16.80	-11.20
6	1.91625	9.82	28.90	24.55	38.72	34.37	56.00	46.00	-17.28	-11.63

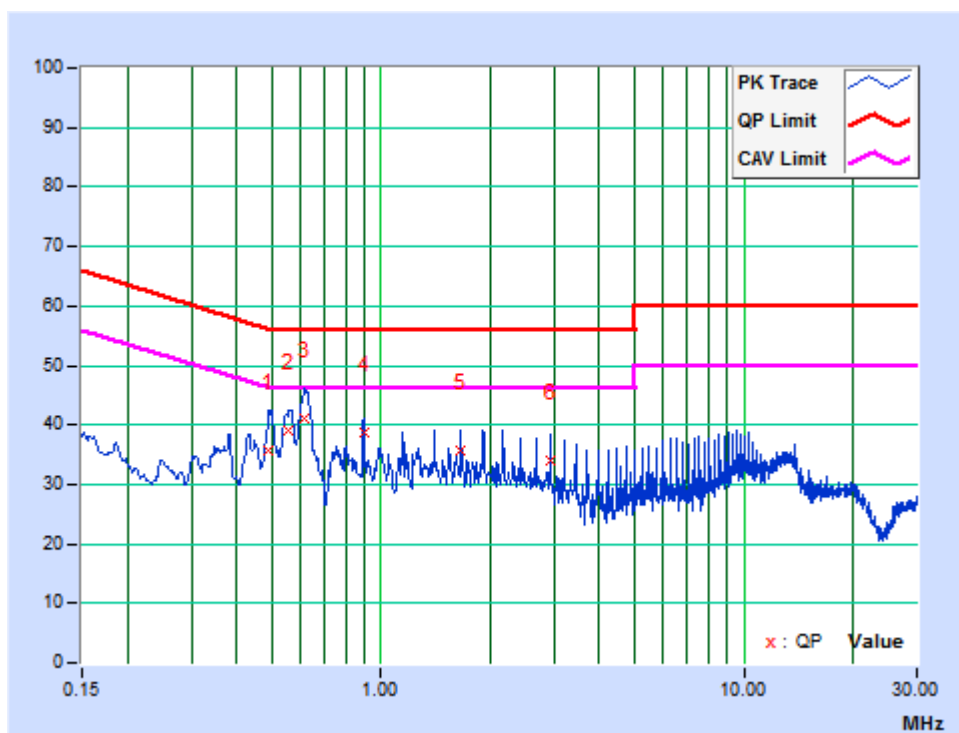
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	B	PHASE	Neutral (N)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 60% RH	TESTED BY: Ming Bai	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.49168	9.74	26.01	17.58	35.75	27.32	56.14	46.14	-20.39	-18.82
2	0.55812	9.74	29.35	21.07	39.09	30.81	56.00	46.00	-16.91	-15.19
3	0.61800	9.75	31.18	23.10	40.93	32.85	56.00	46.00	-15.07	-13.15
4	0.89475	9.76	28.86	23.94	38.62	33.70	56.00	46.00	-17.38	-12.30
5	1.66200	9.78	26.00	21.02	35.78	30.80	56.00	46.00	-20.22	-15.20
6	2.94000	9.78	24.36	20.03	34.14	29.81	56.00	46.00	-21.86	-16.19

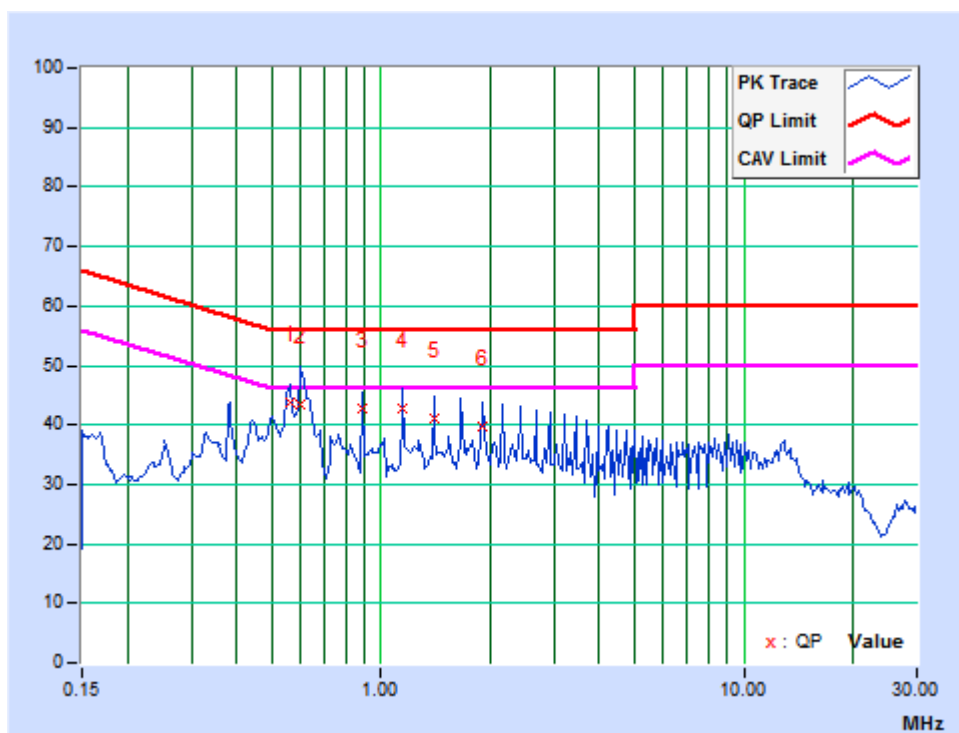
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	C	PHASE	Line(L)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 60% RH	TESTED BY: Ming Bai	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.55950	9.80	33.83	26.50	43.63	36.30	56.00	46.00	-12.37	-9.70
2	0.60000	9.80	33.68	23.30	43.48	33.10	56.00	46.00	-12.52	-12.90
3	0.89250	9.81	33.00	28.40	42.81	38.21	56.00	46.00	-13.19	-7.79
4	1.14900	9.82	33.03	28.29	42.85	38.11	56.00	46.00	-13.15	-7.89
5	1.40325	9.82	31.22	26.68	41.04	36.50	56.00	46.00	-14.96	-9.50
6	1.91400	9.82	29.99	25.41	39.81	35.23	56.00	46.00	-16.19	-10.77

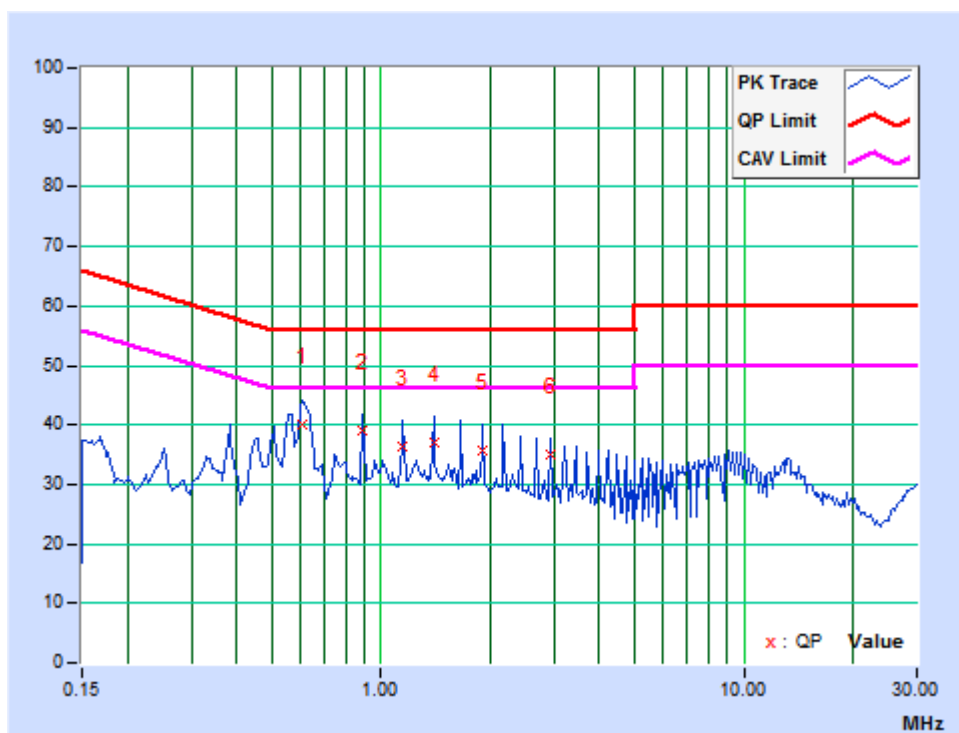
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	C	PHASE	Neutral (N)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 60% RH	TESTED BY: Ming Bai	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.60900	9.75	30.33	20.68	40.08	30.43	56.00	46.00	-15.92	-15.57
2	0.89250	9.76	29.15	25.40	38.91	35.16	56.00	46.00	-17.09	-10.84
3	1.14675	9.78	26.53	22.45	36.31	32.23	56.00	46.00	-19.69	-13.77
4	1.40325	9.78	27.41	23.81	37.19	33.59	56.00	46.00	-18.81	-12.41
5	1.91400	9.79	26.00	22.86	35.79	32.65	56.00	46.00	-20.21	-13.35
6	2.93775	9.78	25.39	23.69	35.17	33.47	56.00	46.00	-20.83	-12.53

REMARKS: The emission levels of other frequencies were very low against the limit.



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

TEST STANDARD: FCC Part 15, Subpart C, Section 15.209

Emissions radiated outside of the specified bands, shall be according to the general radiated limits as following:

FREQUENCIES (MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.
4. The measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

4.2.2 TEST INSTRUMENTS

FREQUENCY 9KHz-30MHz

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101564	Mar. 18,20	Mar. 17,21
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	1519B-045	May 28,20	May 27,21
Amplifier	Burgeon	BPA-530	100210	Mar. 15,20	Mar. 14,21
Test Software	ADT	ADT_Radiated_V8.7.07	N/A	N/A	N/A

- NOTES:** 1. The test was performed in 10m Chamber.
 2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
 3. The FCC Site Registration No. is 749762.

FREQUENCY 30MHz-1GHz

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESU40	100449	Mar. 18,20	Mar. 17,21
Bilog Antenna	Teseq	CBL 6111D	30643	Jun. 23,20	Jun. 22,21
Amplifier	Burgeon	BPA-530	100220	Mar. 15,20	Mar. 14,21
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	NSEMC003	Apr. 21,20	Apr. 20,21
Test software	ADT	ADT_Radiated_V7.6.15.9.2	N/A	N/A	N/A

- NOTES:** 1. The test was performed in 966 Chamber
 2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
 3. The FCC Site Registration No. is 749762.

4.2.3 TEST PROCEDURE

< Below 30MHz >

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meters Semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

<30MHz~1GHz >

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

NOTES:

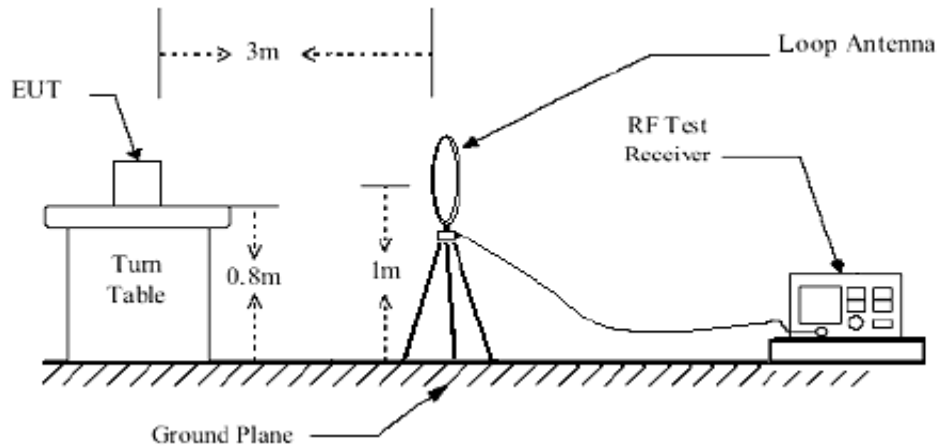
1. The resolution bandwidth of test receiver/spectrum analyzer is 100kHz for peak detection (PK) at fundamental frequency below 30MHz; The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at radiated spurious emission frequency below 1GHz.
2. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
3. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
4. Margin value = Emission level – Limit value.

4.2.4 DEVIATION FROM TEST STANDARD

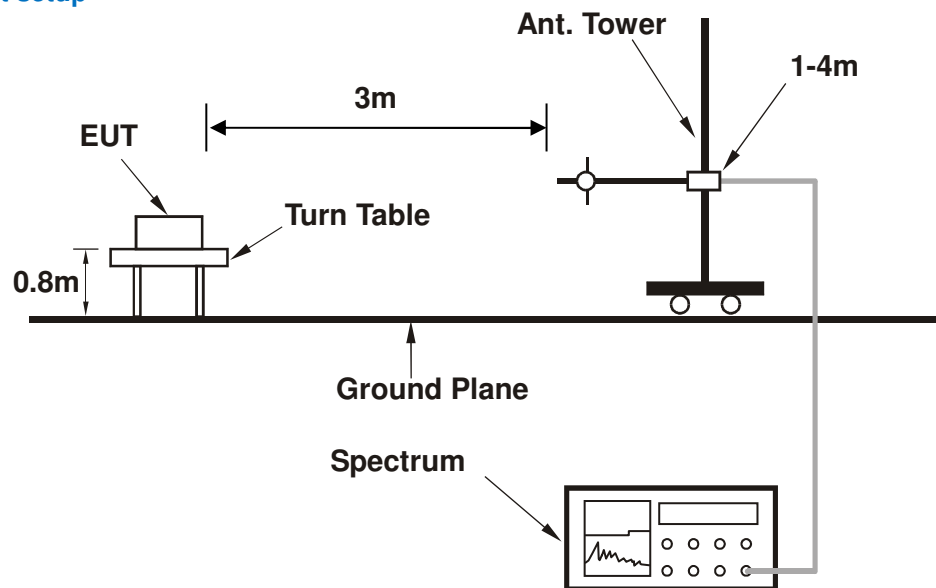
No deviation.

4.2.5 TEST SETUP

Below 30MHz test setup



Below 1GHz test setup



Note: For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.2.6 EUT OPERATING CONDITIONS

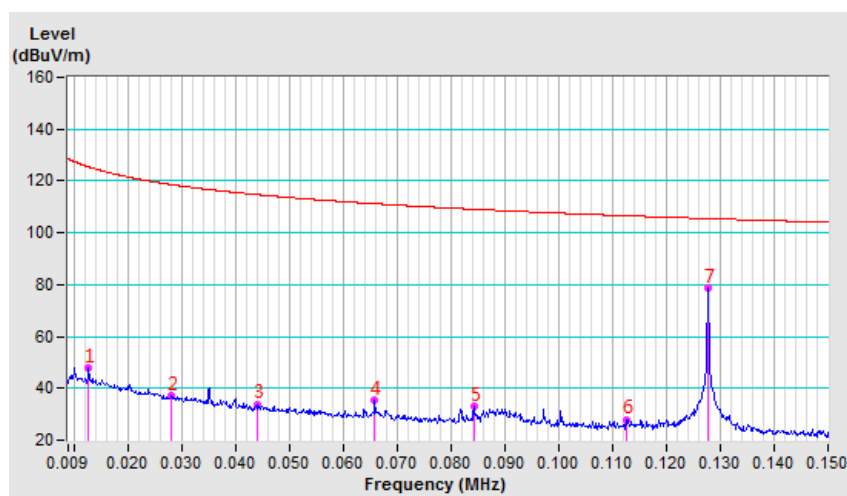
- Turn on the EUT.
- The EUT tested in charging mode and standby mode respectively.

4.2.7 TEST RESULTS

Charging Mode

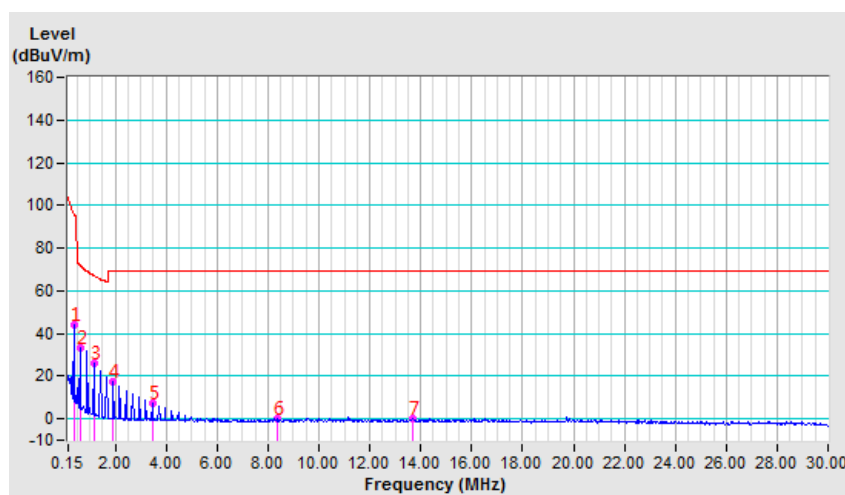
Test Mode	A	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Vincent

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.01280 AV	-10.21	58.09	47.88	125.48	-77.60	100	360
2	0.02820 AV	-11.13	48.07	36.94	118.61	-81.67	100	287
3	0.04400 AV	-11.47	45.16	33.69	114.73	-81.04	100	39
4	0.06580 AV	-11.61	47.00	35.39	111.23	-75.84	100	184
5	0.08430 AV	-11.69	44.51	32.82	109.08	-76.26	100	237
6	0.11270 AV	-11.80	39.70	27.90	106.56	-78.66	100	234
7	*0.12780 AV	-11.84	90.38	78.54	105.47	-26.93	100	269



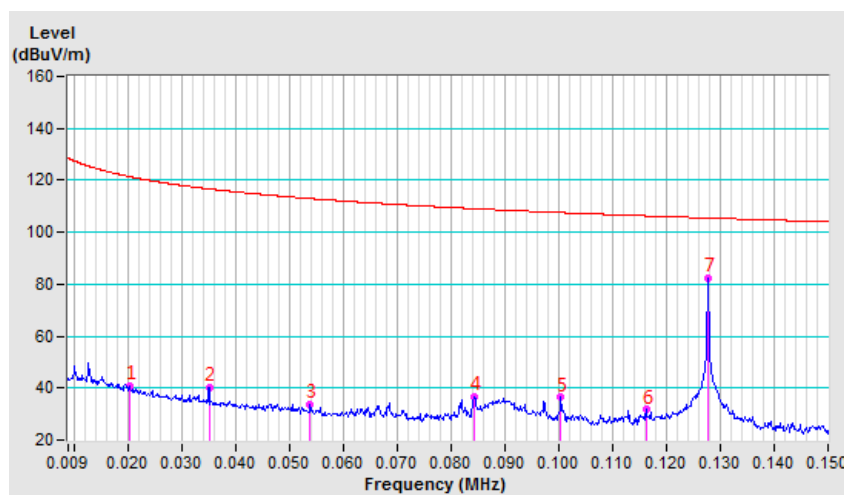
Test Mode	A	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Vincent

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.38280 AV	-29.72	73.63	43.91	95.94	-52.03	100	177
2	0.63810 QP	-29.58	62.91	33.33	71.72	-38.39	100	177
3	1.15000 QP	-29.62	55.82	26.20	67.07	-40.87	100	177
4	1.91570 QP	-29.71	46.82	17.11	69.54	-52.43	100	177
5	3.45010 QP	-29.64	37.08	7.44	69.54	-62.10	100	172
6	8.36510 QP	-29.54	29.84	0.30	69.54	-69.24	100	326
7	13.69060 QP	-29.21	29.05	-0.16	69.54	-69.70	100	225



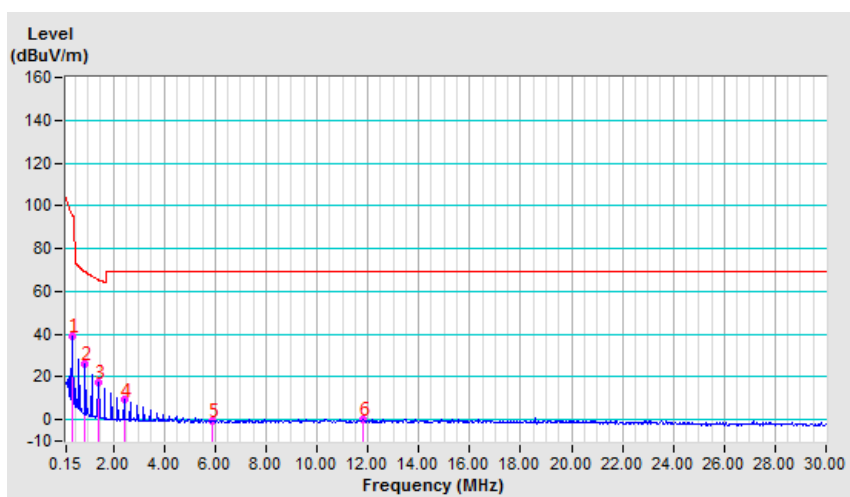
Test Mode	A	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Vincent

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.02040 AV	-10.67	51.60	40.93	121.40	-80.47	100	189
2	0.03510 AV	-11.34	51.70	40.36	116.69	-76.33	100	314
3	0.05390 AV	-11.57	45.49	33.92	112.98	-79.06	100	329
4	0.08430 AV	-11.69	48.53	36.84	109.09	-72.25	100	180
5	0.10030 QP	-11.78	48.30	36.52	107.57	-71.05	100	198
6	0.11630 AV	-11.80	43.49	31.69	106.29	-74.60	100	198
7	*0.12780 AV	-11.84	94.27	82.43	105.47	-23.04	100	360



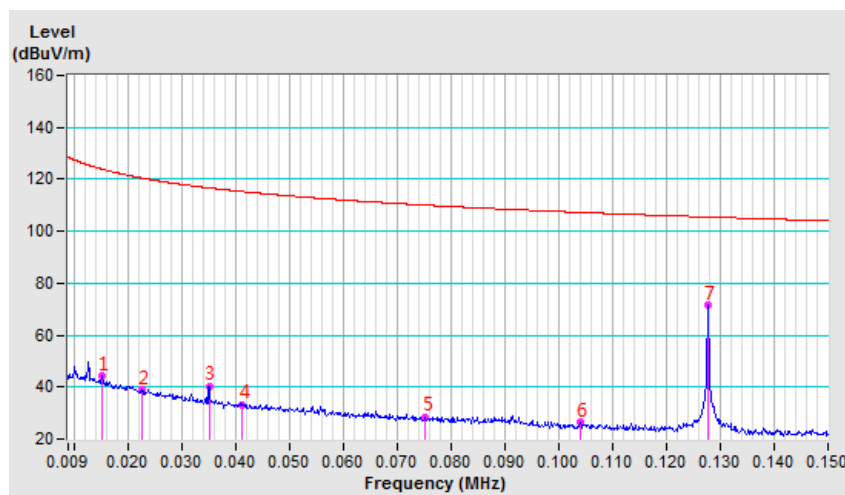
Test Mode	A	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Vincent

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.38280 AV	-29.72	68.57	38.85	95.94	-57.09	100	241
2	0.89330 QP	-29.60	55.80	26.20	69.07	-42.87	100	247
3	1.40530 QP	-29.65	47.05	17.40	65.49	-48.09	100	123
4	2.42770 QP	-29.70	38.82	9.12	69.54	-60.42	100	129
5	5.90980 QP	-29.69	29.26	-0.43	69.54	-69.97	100	28
6	11.82040 QP	-29.41	29.31	-0.10	69.54	-69.64	100	89



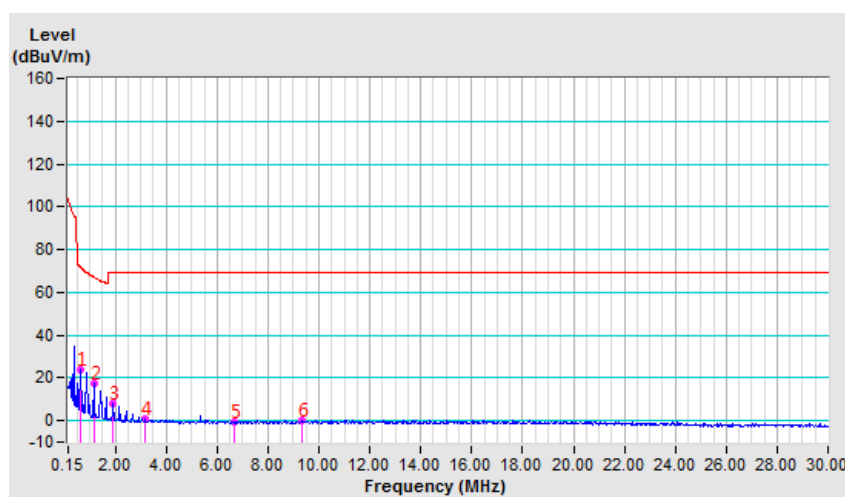
Test Mode	A	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Vincent

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA GROUND-PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.01540 AV	-10.36	54.49	44.13	123.86	-79.73	100	118
2	0.02270 AV	-10.80	49.67	38.87	120.47	-81.60	100	205
3	0.03510 AV	-11.34	51.75	40.41	116.69	-76.28	100	24
4	0.04140 AV	-11.43	44.65	33.22	115.27	-82.05	100	267
5	0.07540 AV	-11.65	40.07	28.42	110.06	-81.64	100	360
6	0.10410 QP	-11.79	38.09	26.30	107.25	-80.95	100	330
7	*0.12780 AV	-11.84	83.40	71.56	105.47	-33.91	100	182



Test Mode	A	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Vincent

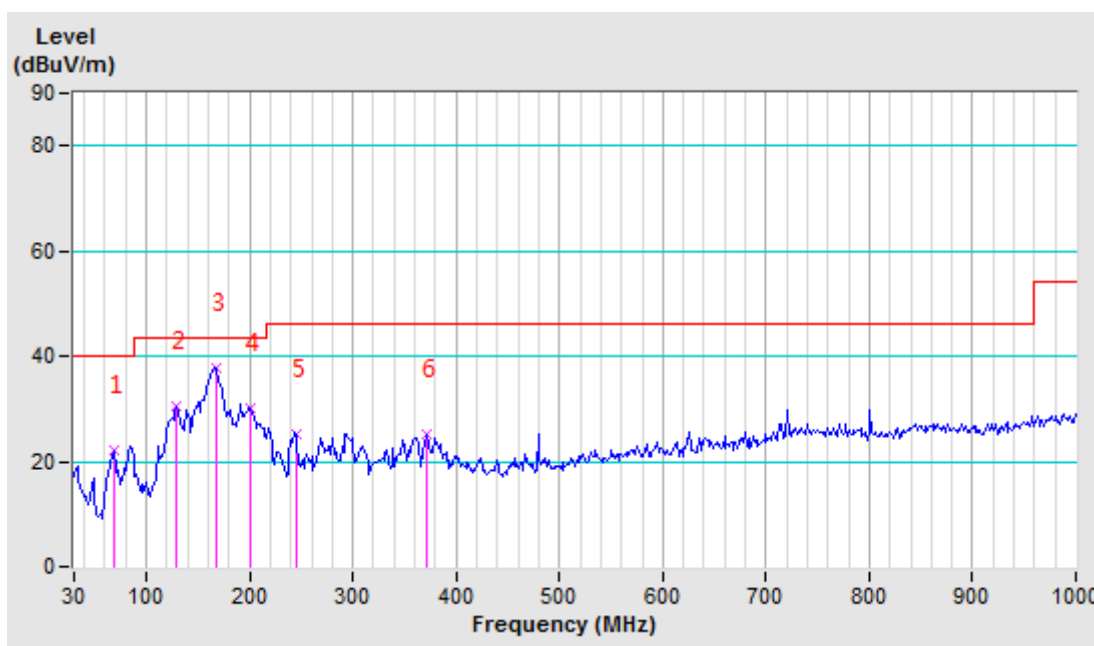
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA GROUND-PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.63810 QP	-29.58	53.42	23.84	71.72	-47.88	100	184
2	1.15000 QP	-29.62	46.72	17.10	67.07	-49.97	100	172
3	1.91570 QP	-29.71	37.92	8.21	69.54	-61.33	100	190
4	3.19490 QP	-29.66	30.68	1.02	69.54	-68.52	100	190
5	6.65460 QP	-29.67	29.38	-0.29	69.54	-69.83	100	74
6	9.30990 QP	-29.46	29.61	0.15	69.54	-69.39	100	54



Test Mode	A	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Allan

Antenna Polarity & Test Distance: Horizontal At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	68.86	-24.75	46.80	22.05	40.00	-17.95	100	43
2	129.49	-19.18	49.73	30.55	43.50	-12.95	100	42
3	166.79	-17.70	55.54	37.84	43.50	-5.66	100	43
4	200.99	-19.32	49.29	29.97	43.50	-13.53	100	204
5	244.52	-17.09	42.37	25.28	46.00	-20.72	100	33
6	371.99	-12.12	37.19	25.07	46.00	-20.93	100	326

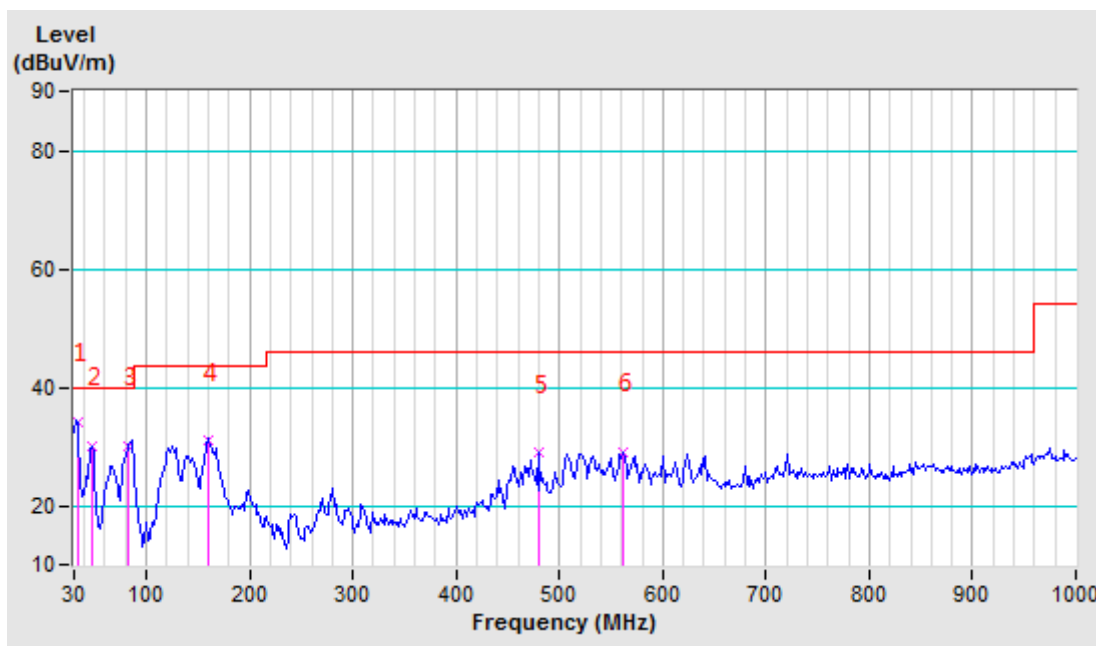
- REMARKS:** 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions significantly above equipment noise floor are reported.



Test Mode	A	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Allan

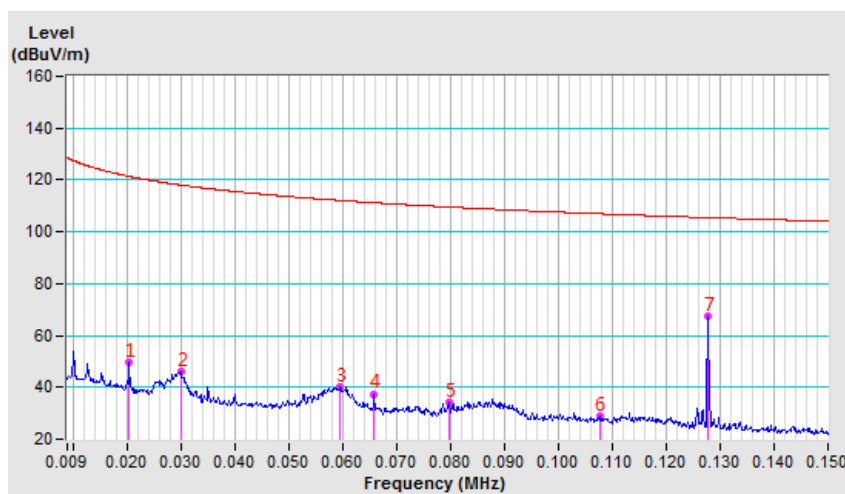
Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	33.11	-13.33	47.56	34.23	40.00	-5.77	100	43
2	47.10	-19.57	49.58	30.01	40.00	-9.99	100	42
3	82.85	-21.79	51.94	30.15	40.00	-9.85	100	43
4	160.58	-17.08	48.01	30.93	43.50	-12.57	100	204
5	479.25	-10.09	38.98	28.89	46.00	-17.11	100	33
6	561.63	-7.43	36.52	29.09	46.00	-16.91	100	326

REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions significantly above equipment noise floor are reported.



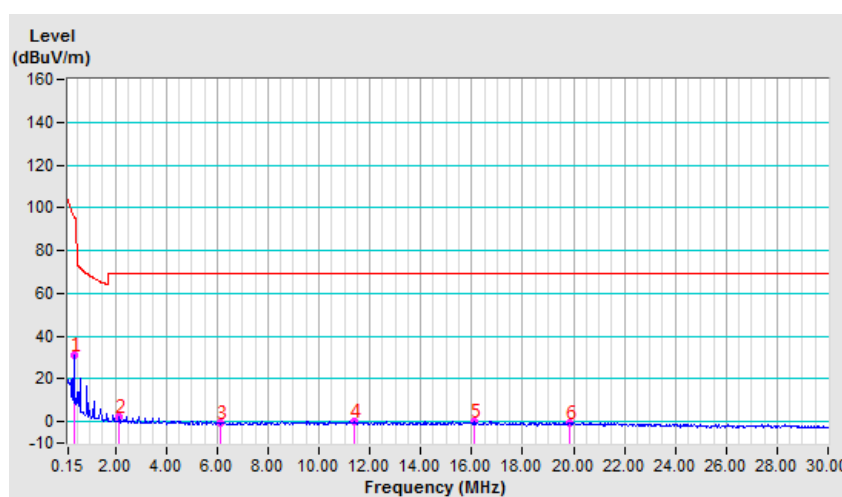
Test Mode	B	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Vincent

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.02050 AV	-10.67	60.21	49.54	121.38	-71.84	100	51
2	0.03000 AV	-11.25	57.32	46.07	118.06	-71.99	100	236
3	0.05950 AV	-11.58	51.70	40.12	112.11	-71.99	100	243
4	0.06580 AV	-11.61	48.96	37.35	111.23	-73.88	100	270
5	0.07980 AV	-11.67	45.93	34.26	109.57	-75.31	100	268
6	0.10760 QP	-11.79	40.53	28.74	106.96	-78.22	100	269
7	*0.12780 AV	-11.84	79.02	67.18	105.47	-38.29	100	263



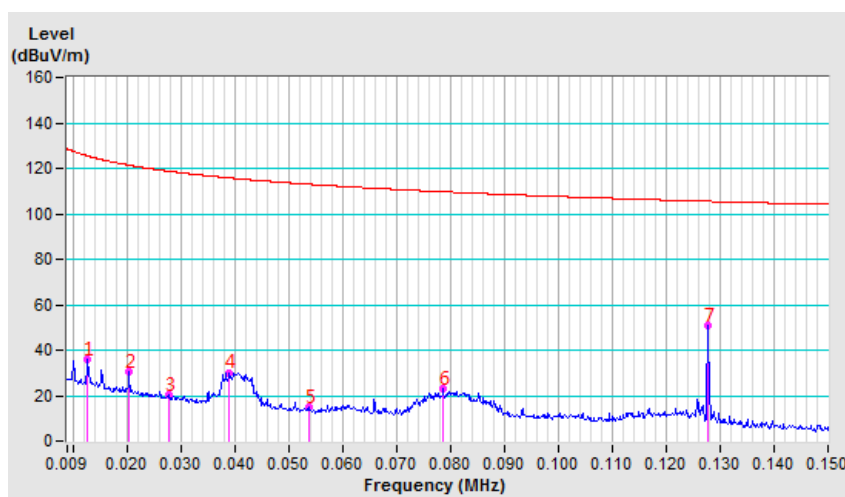
Test Mode	B	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Vincent

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.38280 AV	-29.72	60.78	31.06	95.94	-64.88	100	183
2	2.17090 QP	-29.70	32.09	2.39	69.54	-67.15	100	55
3	6.13370 QP	-29.68	29.25	-0.43	69.54	-69.97	100	284
4	11.37120 QP	-29.41	29.48	0.07	69.54	-69.47	100	360
5	16.08020 QP	-29.15	28.92	-0.23	69.54	-69.77	100	38
6	19.84300 QP	-28.93	28.64	-0.29	69.54	-69.83	100	115



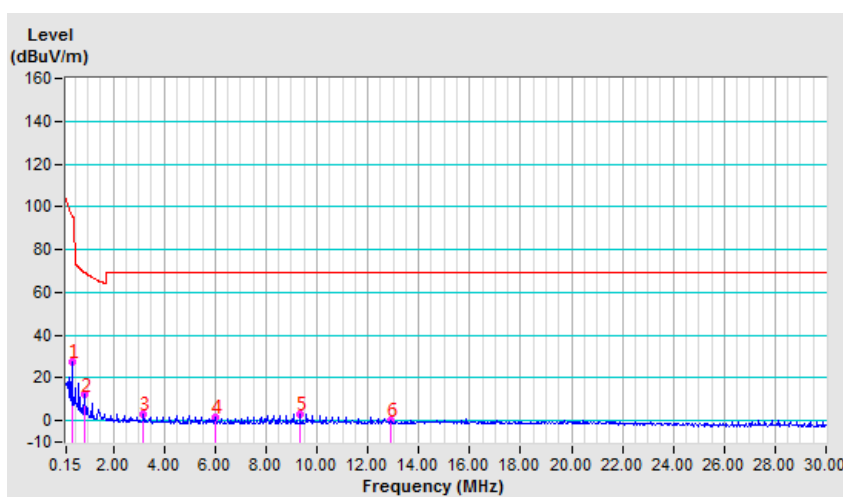
Test Mode	B	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Vincent

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.01280 AV	-27.73	63.50	35.77	125.46	-89.69	100	218
2	0.02050 AV	-27.92	58.17	30.25	121.38	-91.13	100	124
3	0.02770 AV	-28.65	48.81	20.16	118.74	-98.58	100	360
4	0.03910 AV	-29.04	58.98	29.94	115.76	-85.82	100	238
5	0.05370 AV	-29.21	43.91	14.70	113.01	-98.31	100	150
6	0.07860 AV	-29.31	52.03	22.72	109.70	-86.98	100	126
7	*0.12780 AV	-29.46	80.15	50.69	105.47	-54.78	100	137



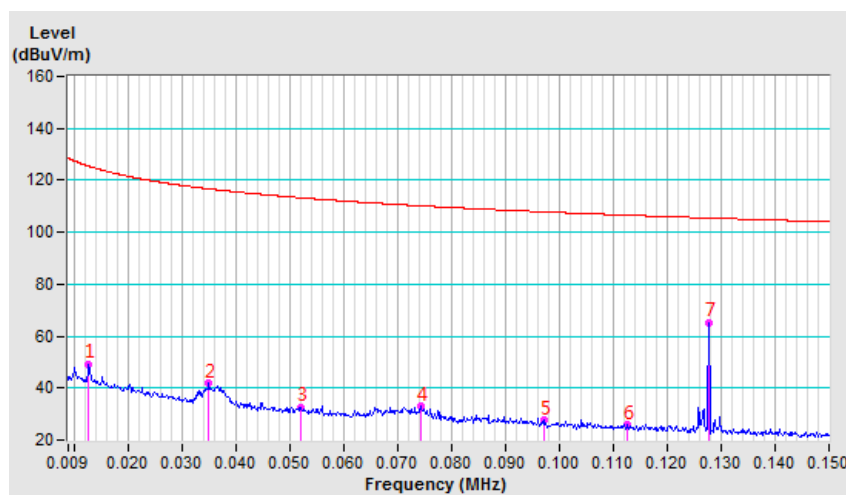
Test Mode	B	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Vincent

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.38280 AV	-29.72	56.93	27.21	95.94	-68.73	100	133
2	0.89330 QP	-29.60	41.58	11.98	69.07	-57.09	100	262
3	3.19490 QP	-29.66	32.59	2.93	69.54	-66.61	100	118
4	6.00540 QP	-29.68	31.21	1.53	69.54	-68.01	100	142
5	9.32780 QP	-29.46	32.52	3.06	69.54	-66.48	100	124
6	12.90700 QP	-29.30	29.57	0.27	69.54	-69.27	100	103



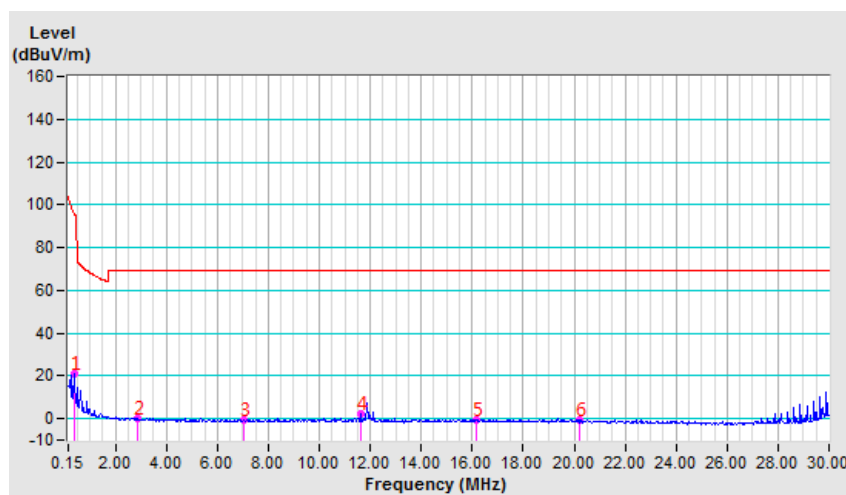
Test Mode	B	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Vincent

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA GROUND-PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.01280 AV	-10.21	59.46	49.25	125.47	-76.22	100	261
2	0.03510 AV	-11.34	53.21	41.87	116.70	-74.83	100	149
3	0.05220 AV	-11.57	44.26	32.69	113.25	-80.56	100	183
4	0.07440 AV	-11.64	44.48	32.84	110.17	-77.33	100	184
5	0.09710 QP	-11.77	39.50	27.73	107.86	-80.13	100	180
6	0.11260 AV	-11.80	37.77	25.97	106.57	-80.60	100	183
7	*0.12780 AV	-11.84	77.07	65.23	105.47	-40.24	100	0



Test Mode	B	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Vincent

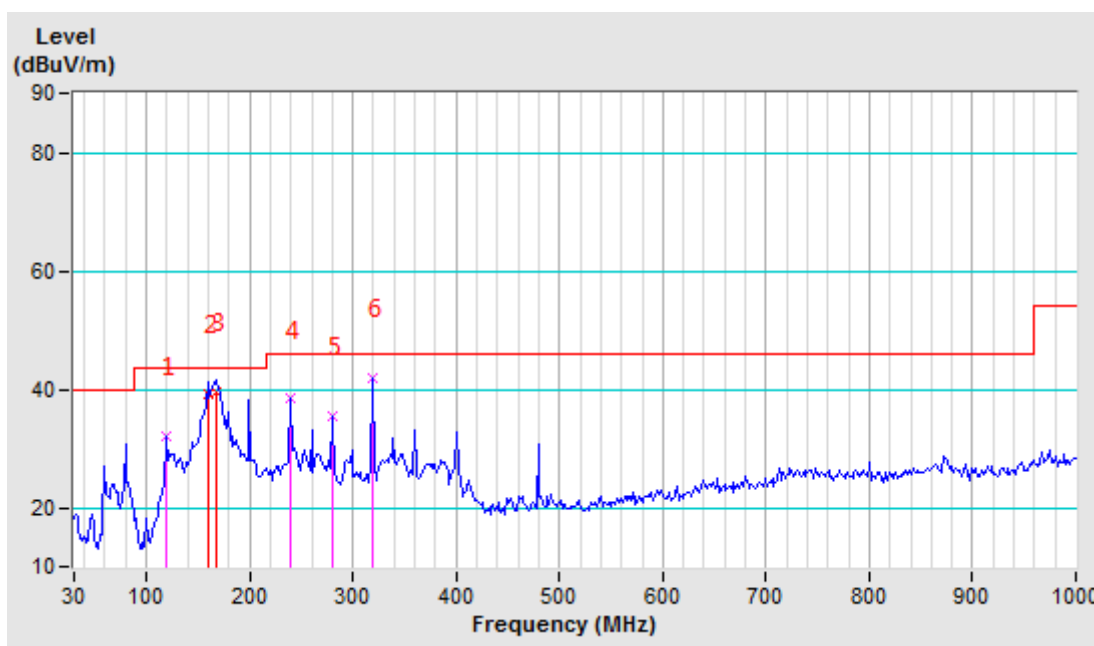
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA GROUND-PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.38280 AV	-29.72	50.78	21.06	95.94	-74.88	100	360
2	2.85160 QP	-29.68	29.74	0.06	69.54	-69.48	100	330
3	7.01440 QP	-29.65	29.05	-0.60	69.54	-70.14	100	324
4	11.62940 QP	-29.40	31.39	1.99	69.54	-67.55	100	104
5	16.17580 QP	-29.15	28.42	-0.73	69.54	-70.27	100	39
6	20.22070 QP	-28.94	28.28	-0.66	69.54	-70.20	100	250



Test Mode	B	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Allan

Antenna Polarity & Test Distance: Horizontal At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	120.16	-19.81	51.78	31.97	43.50	-11.53	100	43
2	159.02	-17.09	56.28	39.19	43.50	-4.31	100	42
3	168.35	-17.86	57.41	39.55	43.50	-3.95	100	43
4	239.86	-17.49	55.80	38.31	46.00	-7.69	100	204
5	280.27	-15.37	50.91	35.54	46.00	-10.46	100	33
6	319.13	-13.70	55.49	41.79	46.00	-4.21	100	326

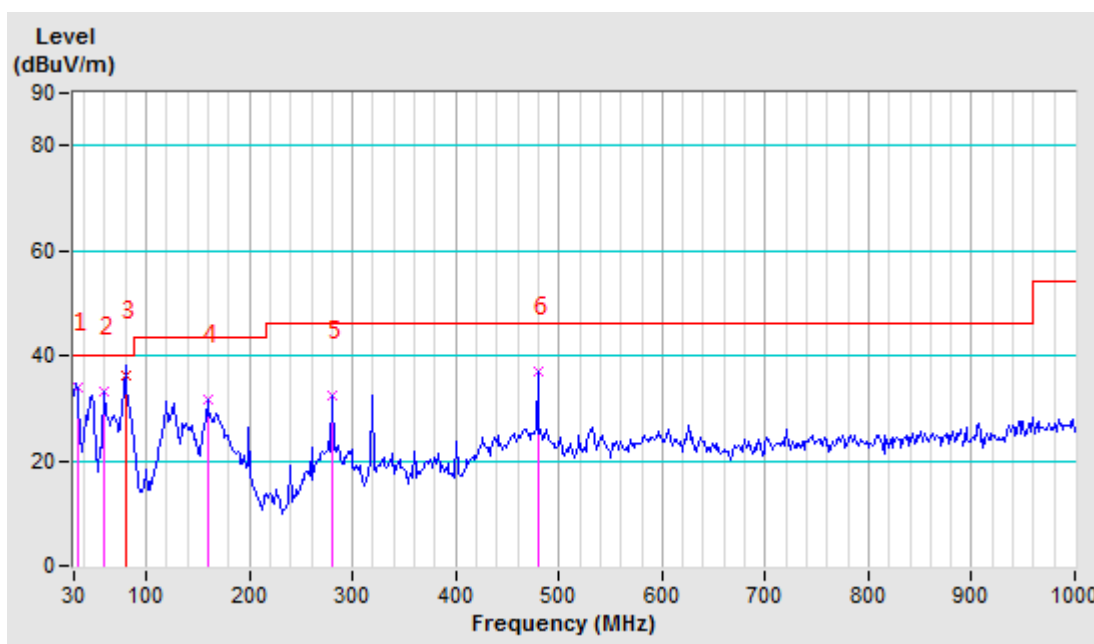
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions significantly above equipment noise floor are reported.



Test Mode	B	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Allan

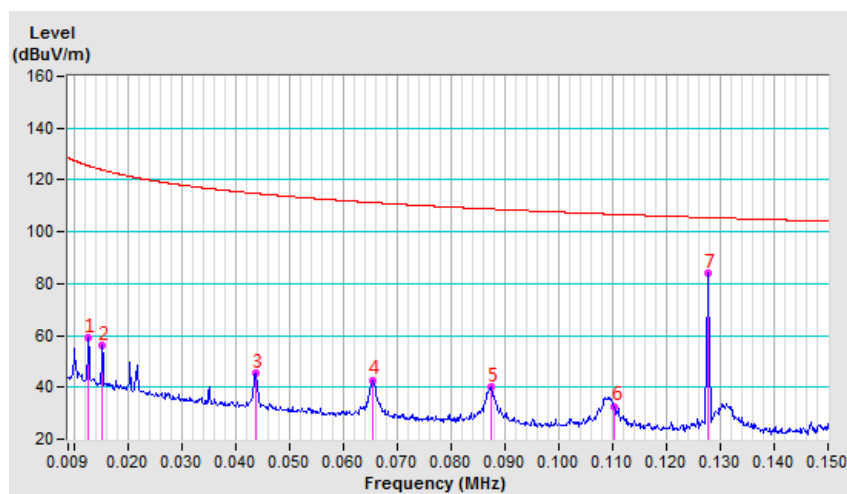
Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	33.11	-13.33	47.39	34.06	40.00	-5.94	100	43
2	59.54	-24.76	57.81	33.05	40.00	-6.95	100	42
3	79.74	-22.23	58.38	36.15	40.00	-3.85	100	43
4	159.02	-17.09	48.66	31.57	43.50	-11.93	100	204
5	280.27	-15.37	47.79	32.42	46.00	-13.58	100	33
6	479.25	-10.09	46.91	36.82	46.00	-9.18	100	326

REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions significantly above equipment noise floor are reported.



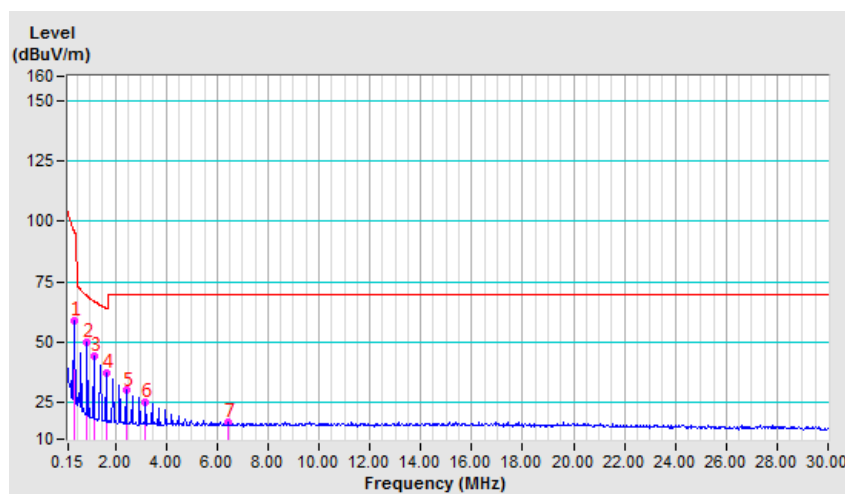
Test Mode	C	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Vincent

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.01280 AV	-10.24	69.40	59.16	125.47	-66.31	100	286
2	0.01530 AV	-10.28	66.25	55.97	123.88	-67.91	100	100
3	0.04370 AV	-11.61	56.99	45.38	114.78	-69.40	100	187
4	0.06540 AV	-11.74	54.40	42.66	111.29	-68.63	100	182
5	0.08750 AV	-11.84	51.96	40.12	108.76	-68.64	100	187
6	0.11050 AV	-11.92	44.46	32.54	106.74	-74.20	100	202
7	*0.12780 AV	-11.96	95.86	83.90	105.47	-21.57	100	174



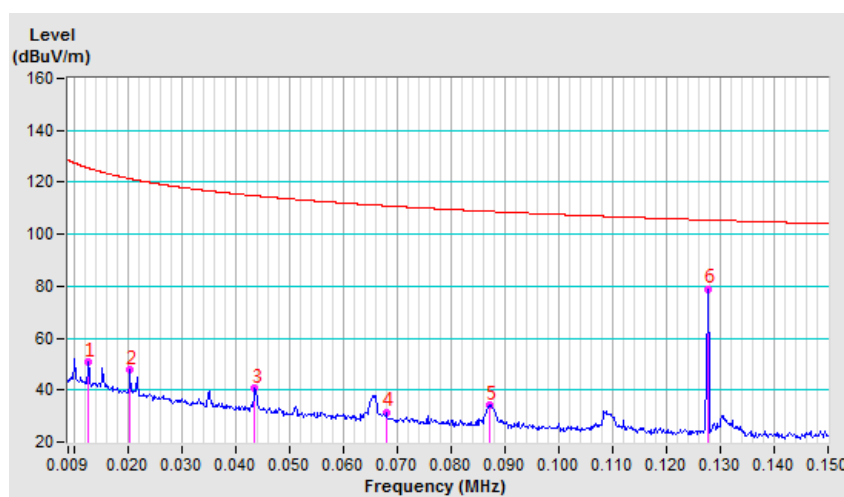
Test Mode	C	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Vincent

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.38280 AV	-12.22	71.09	58.87	95.94	-37.07	100	173
2	0.89330 QP	-12.10	62.23	50.13	69.07	-18.94	100	176
3	1.15000 QP	-12.12	56.23	44.11	67.07	-22.96	100	174
4	1.66050 QP	-12.18	49.57	37.39	64.18	-26.79	100	168
5	2.42770 QP	-12.20	42.27	30.07	69.54	-39.47	100	172
6	3.19490 QP	-12.16	37.36	25.20	69.54	-44.34	100	178
7	6.44870 QP	-12.17	29.06	16.89	69.54	-52.65	100	63



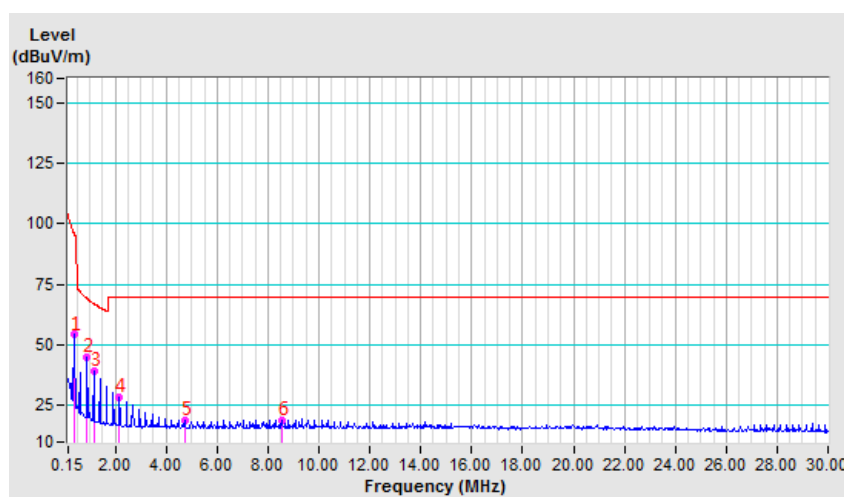
Test Mode	C	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Vincent

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.01280 AV	-10.24	60.93	50.69	125.46	-74.77	100	289
2	0.02050 AV	-10.42	58.04	47.62	121.38	-73.76	100	13
3	0.04370 AV	-11.60	52.20	40.60	114.80	-74.20	100	269
4	0.06820 AV	-11.75	43.21	31.46	110.93	-79.47	100	334
5	0.08710 AV	-11.84	45.87	34.03	108.80	-74.77	100	114
6	*0.12780 AV	-11.96	90.94	78.98	105.47	-26.49	100	230



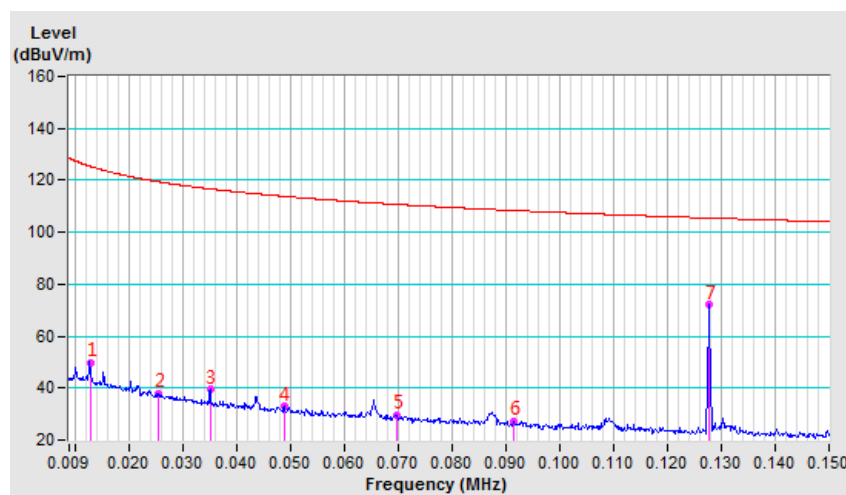
Test Mode	C	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Vincent

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.38280 AV	-12.22	66.43	54.21	95.94	-41.73	100	230
2	0.89330 QP	-12.10	57.10	45.00	69.07	-24.07	100	234
3	1.15000 QP	-12.12	51.37	39.25	67.07	-27.82	100	236
4	2.17240 QP	-12.20	40.73	28.53	69.54	-41.01	100	225
5	4.72770 QP	-12.16	30.92	18.76	69.54	-50.78	100	178
6	8.56220 QP	-12.03	30.96	18.93	69.54	-50.61	100	107



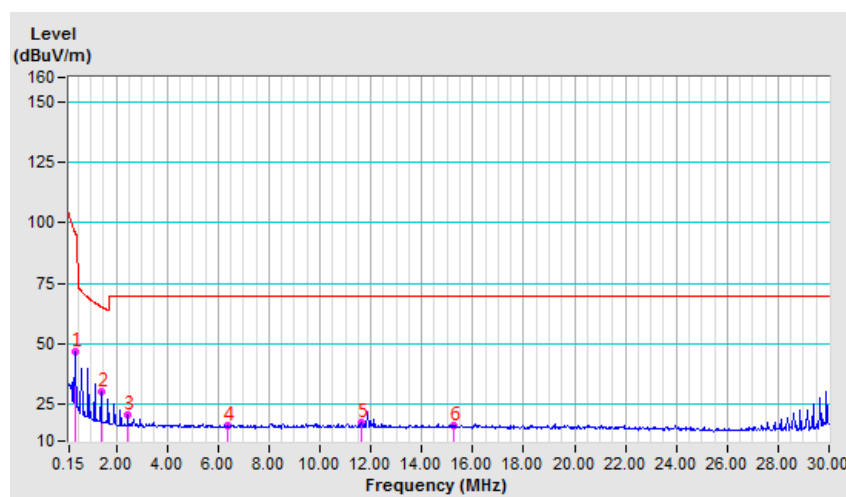
Test Mode	C	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Vincent

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA GROUND-PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.01290 AV	-10.23	60.06	49.83	125.42	-75.59	100	42
2	0.02550 AV	-10.93	48.83	37.90	119.47	-81.57	100	128
3	0.03510 AV	-11.48	50.92	39.44	116.69	-77.25	100	317
4	0.04880 AV	-11.68	44.56	32.88	113.83	-80.95	100	142
5	0.06970 AV	-11.76	41.34	29.58	110.73	-81.15	100	297
6	0.09140 QP	-11.86	39.04	27.18	108.38	-81.20	100	319
7	*0.12780 AV	-11.96	84.13	72.17	105.47	-33.30	100	173



Test Mode	C	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Vincent

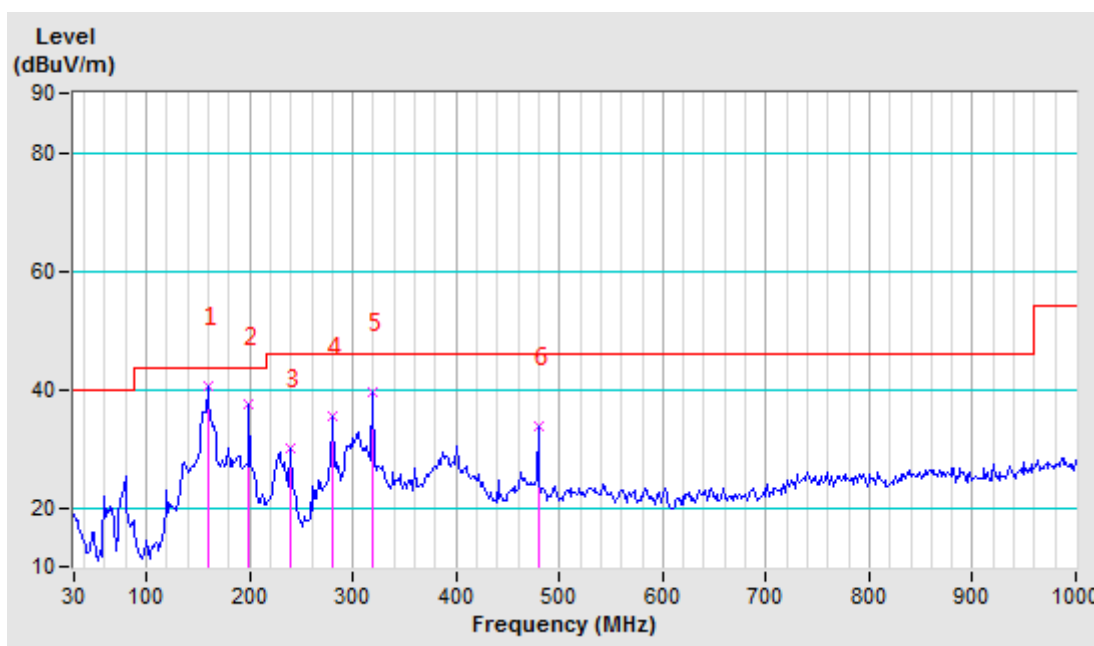
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA GROUND-PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.38280 AV	-12.22	59.17	46.95	95.94	-48.99	100	176
2	1.40530 QP	-12.15	42.75	30.60	65.49	-34.89	100	178
3	2.42770 QP	-12.20	33.01	20.81	69.54	-48.73	100	172
4	6.39640 QP	-12.17	28.80	16.63	69.54	-52.91	100	324
5	11.62940 QP	-11.90	29.39	17.49	69.54	-52.05	100	360
6	15.26680 QP	-11.66	28.02	16.36	69.54	-53.18	100	342



Test Mode	C	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Allan

Antenna Polarity & Test Distance: Horizontal At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	159.02	-17.09	57.52	40.43	43.50	-3.07	100	43
2	199.44	-19.28	56.63	37.35	43.50	-6.15	100	42
3	239.86	-17.49	47.45	29.96	46.00	-16.04	100	43
4	280.27	-15.37	50.87	35.50	46.00	-10.50	100	204
5	319.13	-13.70	53.18	39.48	46.00	-6.52	100	33
6	479.25	-10.09	43.79	33.70	46.00	-12.30	100	326

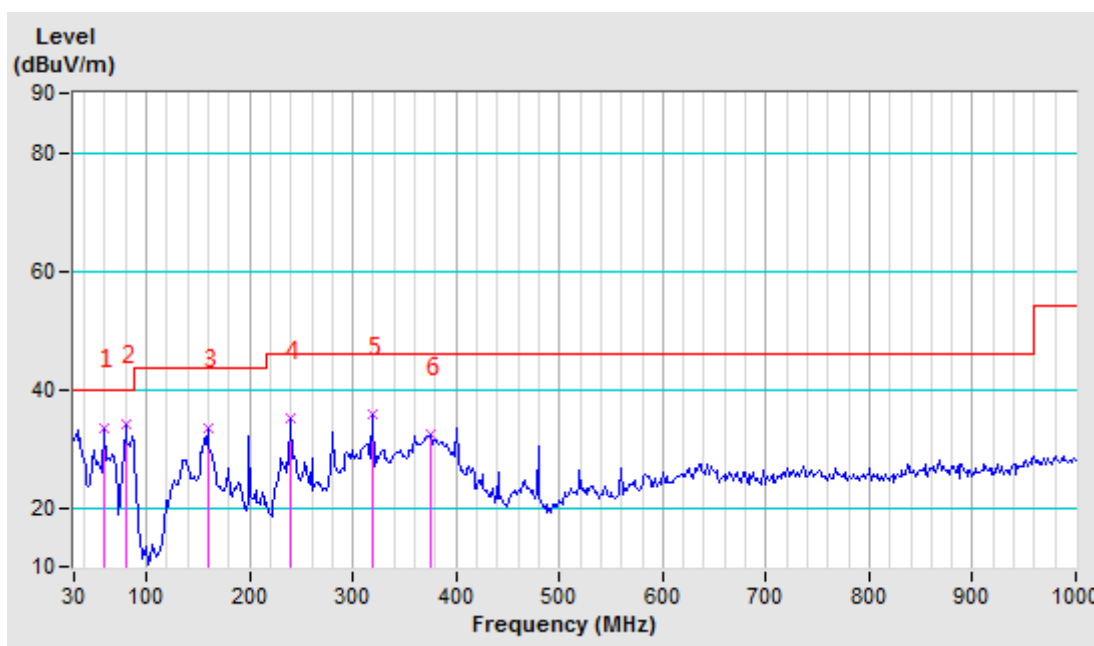
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions significantly above equipment noise floor are reported.



Test Mode	C	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	Allan

Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	59.54	-24.76	58.24	33.48	40.00	-6.52	100	43
2	79.74	-22.23	56.41	34.18	40.00	-5.82	100	42
3	159.02	-17.09	50.54	33.45	43.50	-10.05	100	43
4	239.86	-17.49	52.42	34.93	46.00	-11.07	100	204
5	319.13	-13.70	49.37	35.67	46.00	-10.33	100	33
6	375.10	-12.05	44.26	32.21	46.00	-13.79	100	326

REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions significantly above equipment noise floor are reported.



4.3. 20dB BANDWIDTH MEASUREMENT

4.3.1 LIMITS OF 20dB BANDWIDTH MEASUREMENT

The field strength of any emissions appearing between the band edges and out of band shall be attenuated at least 20 dB below the level of the unmodulated carrier or to the general limits in Section 15.209.

4.3.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101564	Mar. 18,20	Mar. 17,21
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	1519B-045	May 30,20	May 29,21
Amplifier	Burgeon	BPA-530	100210	Mar. 15,20	Mar. 14,21
Test Software	ADT	ADT_Radiated V8.7.07	N/A	N/A	N/A

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GREGT/CHINA and NIM/CHINA.
2. The test was performed in RF Oven room.

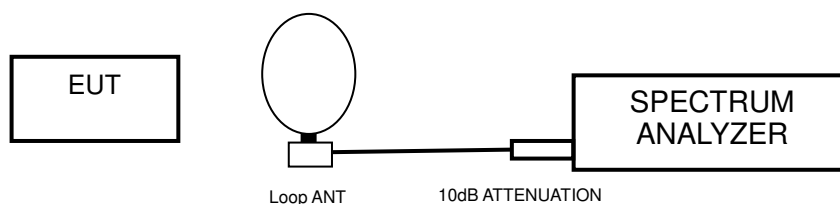
4.2.1 TEST PROCEDURE

- Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
- Measure the frequency difference of two frequencies that were attenuated 20dB from the reference level. Record the frequency difference as the emission bandwidth.
- Repeat above procedures until all frequencies measured were complete.

4.2.2 DEVIATION FROM TEST STANDARD

No deviation.

4.2.3 TEST SETUP



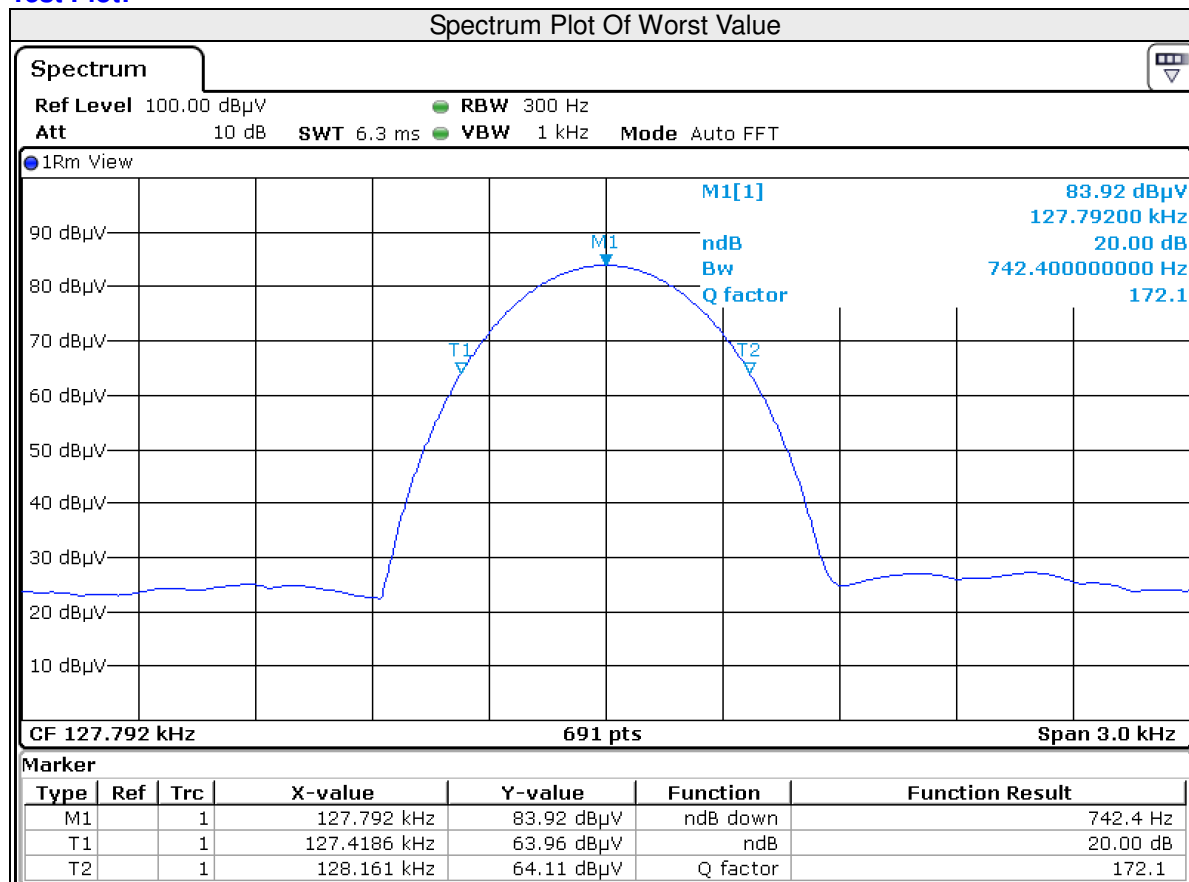
4.2.4 EUT OPERATING CONDITION

- a. Turn on the EUT.
- b. The EUT tested in charging mode and standby mode respectively.

4.3.3 TEST RESULTS

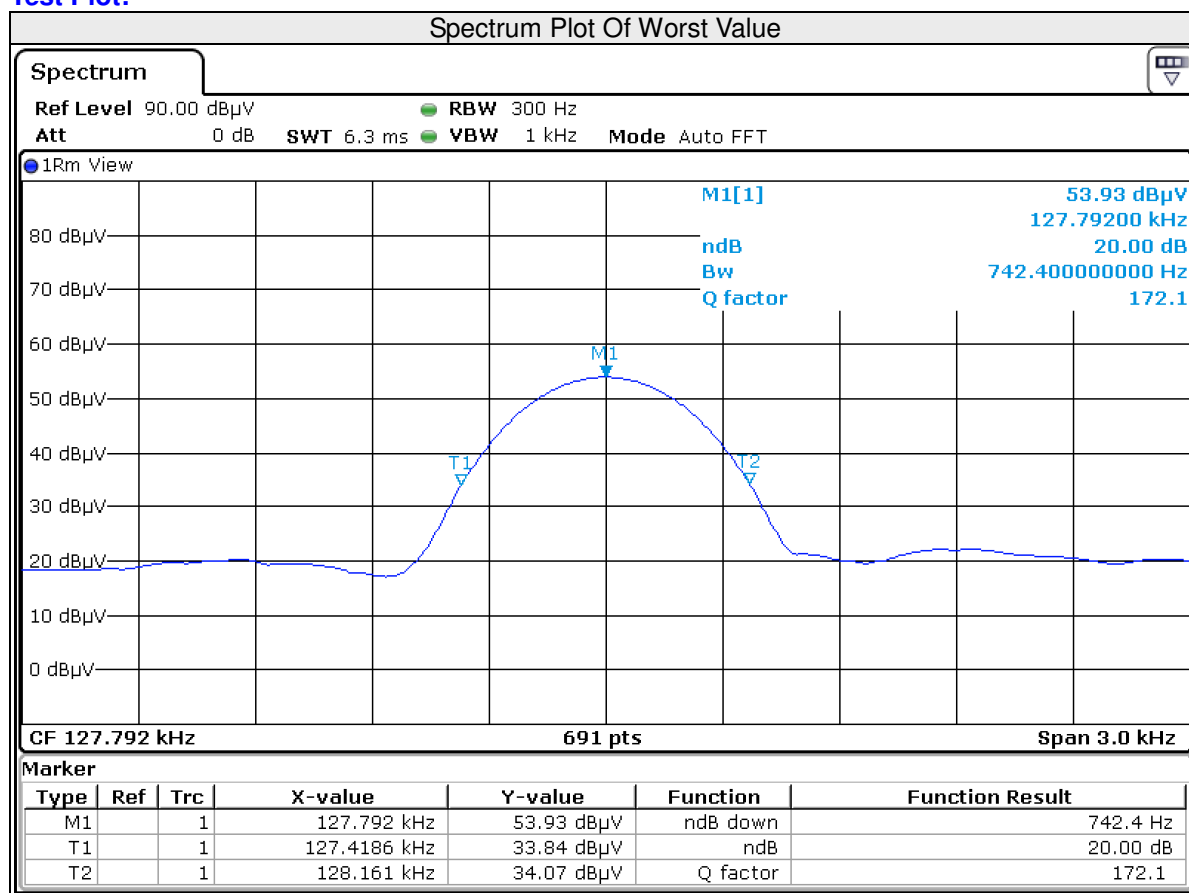
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
A	127.792	742.4

Test Plot:



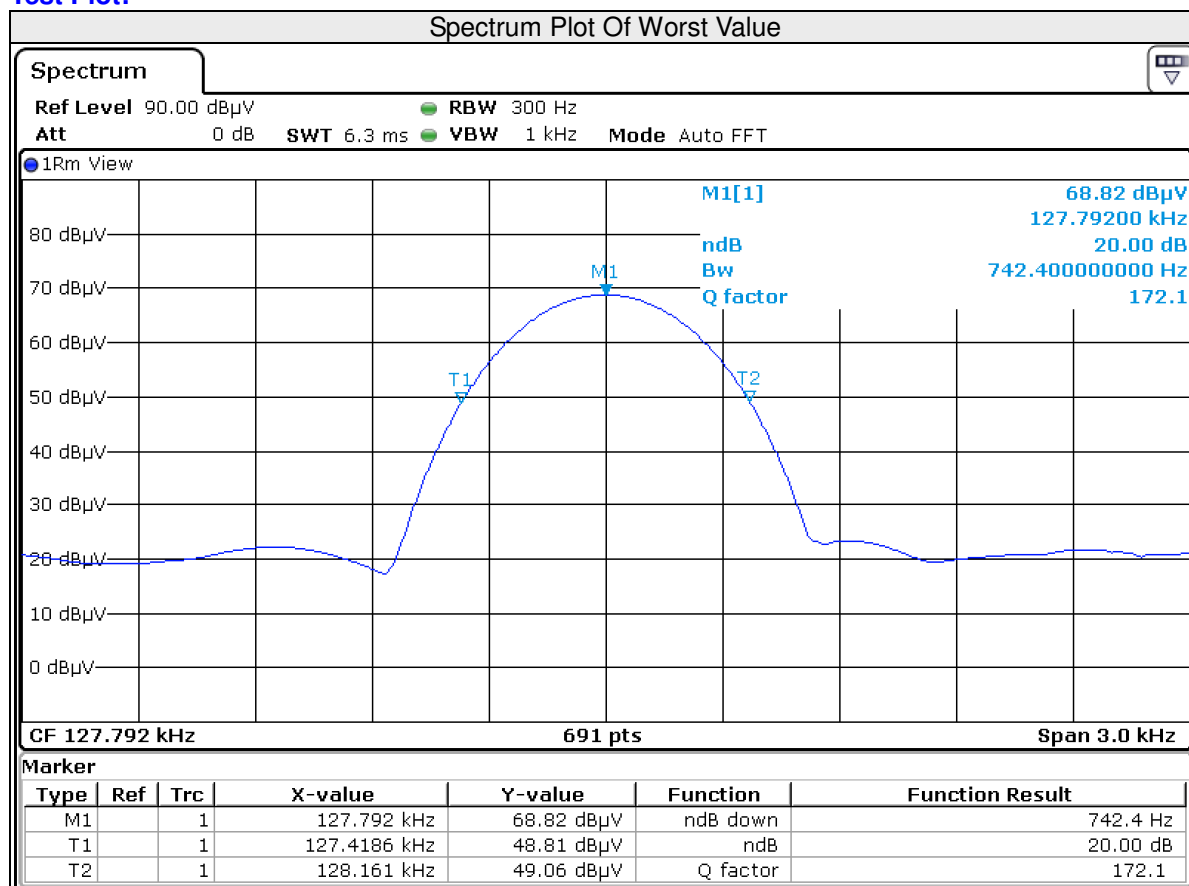
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
B	127.792	742.4

Test Plot:



Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
C	127.792	742.4

Test Plot:





Test Report No.: RF200727N001

5 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

6 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications were made to the EUT by the lab during the test.

---END---