

TEST REPORT

Applicant	Shenzhen Topband Co., Ltd.
Address	Topband Industrial Park, Liyuan Industrial Zone, Tangtou, Shiyan, Bao'an, Shenzhen, 518108, Guangdong, China

Manufacturer or Supplier	Shenzhen Topband Co., Ltd.
Address	Topband Industrial Park, Liyuan Industrial Zone, Tangtou, Shiyan, Bao'an, Shenzhen, 518108, Guangdong, China
Product	Workflow Case Battery Pack
Brand Name	Urban Armor Gear, LLC.
Model	114013BW4040
Additional Model & Model Difference	114023BW4130, 114022BW4130, 114014BW4040, 114024BW4130, 114012BW4040; see items 3.1
Date of tests	Jun. 23, 2022 ~ Jul. 19, 2022

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: Aug. 09, 2022

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF2206WDG0214	Original release	Aug. 09, 2022

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	3.05dB
Radiated emissions	9KHz ~ 30MHz	2.16dB
	30MHz ~ 1GMHz	3.63dB

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	Workflow Case Battery Pack
MODEL NO.	114013BW4040
ADDITIONAL MODELS	114023BW4130, 114022BW4130, 114014BW4040, 114024BW4130, 114012BW4040
FCC ID	2ADDW-114013BW
POWER SUPPLY	Input: DC 5V from Base Support or DC 5V from Type-C; Wireless Output : 5W
MODULATION TYPE	ASK
OPERATING FREQUENCY RANGE	111KHz ~ 205KHz
I/O PORTS	Coil Antenna
FIELD STRENGTH	78.81 dBuV/m
MAXIMUM POWER OUTPUT FROM THE CHARGING COIL	Max Power is 5W
CABLE SUPPLIED	N/A

NOTES:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
3. Please refer to the EUT photo document (Reference No.: 2206WDG0214-1) for detailed product photo.
4. Additional models (see above table) are identical with the test model 114013BW4040 except the appearance, trade name and model number for trading purpose.
5. The EUT can be powered by adapter as list as attach:

ADAPTER	
BRAND:	N/A
MODEL:	XH-UL0540-A1
INPUT:	AC 100-240V, 50/60Hz, 0.5A Max
OUTPUT:	DC 5V/4A
DC CABLE:	Unshielded, detachable, 120cm

3.2 DESCRIPTION OF TEST MODES

The following test frequencies are provided to this EUT:

Operating Frequency Range(KHz)	Tested Frequency(KHz)	Mode
111 ~ 205	130.3	iPhone 12 Pro Operating (EUT(BATTERY FULL))
111 ~ 205	111.0	iPhone 12 Pro operating (USB-C INPUT)
111 ~ 205	174.5	Standby (BASE SUPPORT INPUT)
111 ~ 205	127.7	iPhone 12 Pro operating (BASE SUPPORT INPUT)

3.3 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE	APPLICABLE TO			DESCRIPTION
	RE<1G	PLC	20BW	
A	√	-	√	iPhone 12 Pro Operating (EUT(BATTERY FULL))
B	√	√	√	iPhone 12 Pro operating (USB-C INPUT)
C	√	√	√	Standby (BASE SUPPORT INPUT)
D	√	√	√	iPhone 12 Pro operating (BASE SUPPORT INPUT)

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

PLC: Power Line Conducted Emission

20BW: 20dB Bandwidth

Notes:

1. The EUT is designed to be positioned on the **X-plane** only.
2. The worst condition is when the phone is charged at 10%, so the test is performed when the phone is charged at 10%.

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	111 ~ 205	130.3	ASK
B	111 ~ 205	111.0	ASK
C	111 ~ 205	174.5	ASK
D	111 ~ 205	127.7	ASK

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
B	111 ~ 205	111.0	ASK
C	111 ~ 205	174.5	ASK
D	111 ~ 205	127.7	ASK

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	111 ~ 205	130.3	ASK
B	111 ~ 205	111.0	ASK
C	111 ~ 205	174.5	ASK
D	111 ~ 205	127.7	ASK

TEST CONDITION:

Applicable to	Environmental conditions	Input Power	Tested by
RE<1G	25 °C, 57% RH /25 °C, 55% RH	Refer to section 3.2&3.3	Jay/Jelly
PLC	25 °C, 58% RH	Refer to section 3.2&3.3	Summer
20BW	25 °C, 57% RH	Refer to section 3.2&3.3	Vincent

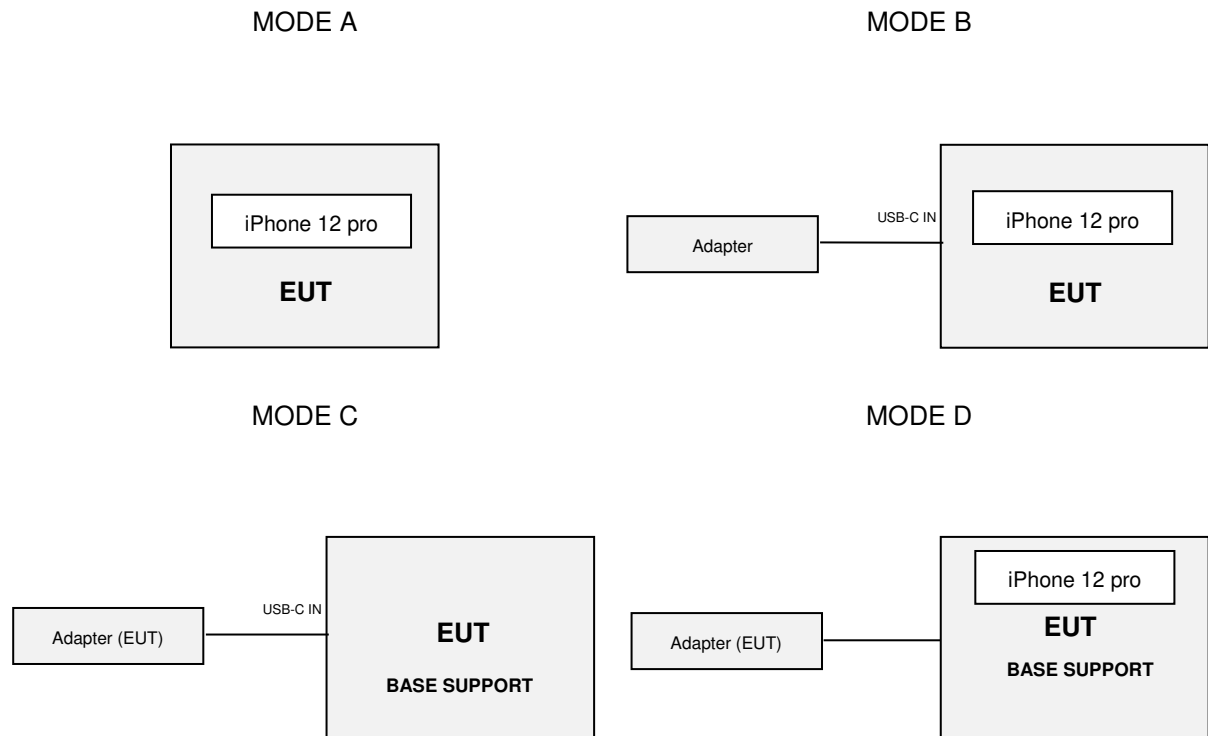
3.4 DESCRIPTION OF SUPPORT UNITS

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.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	iPhone 12 Pro	Apple	A2408	N/A	N/A
2	Adapter	N/A	N/A	N/A	N/A

NO.	DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	N/A
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.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101494	Jan. 18,23
Artificial Mains Network	Rohde&Schwarz	ENV216	101173	Jan. 23,23
Artificial Mains Network	Rohde&Schwarz	ESH3-Z5	100317	Jan. 18,23
Voltage probe	SCHWARZBECK	TK 9421	TK 9421-176	Aug. 05,22
Coaxial RF Cable	/	CE CABLE	C2310066DG	Jul. 27,23
Test software	ADT	ADT_Cond_V7.3.7	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. (Chenwu)

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.

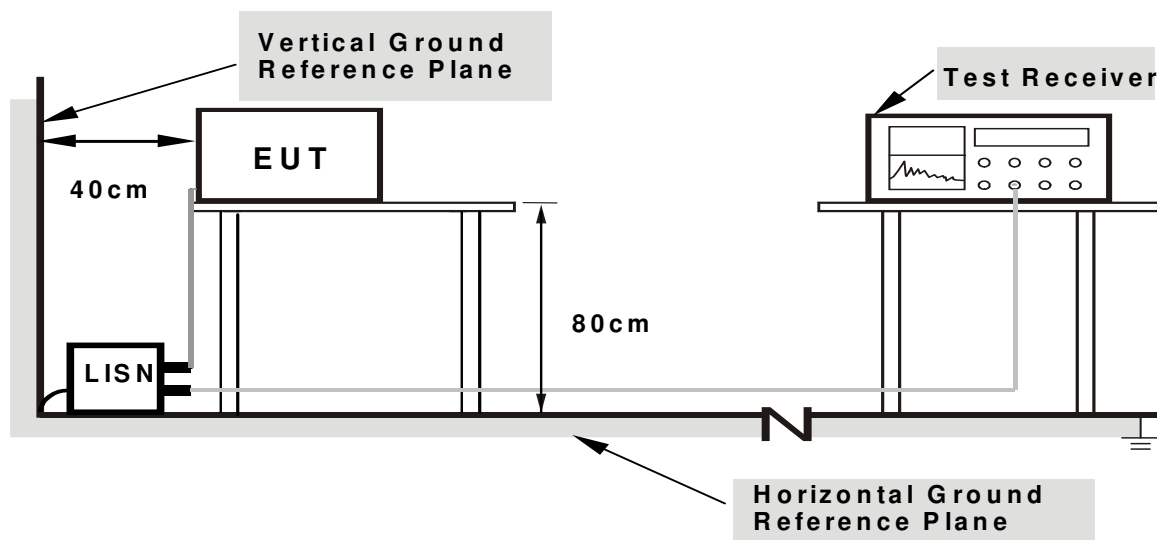
NOTES:

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

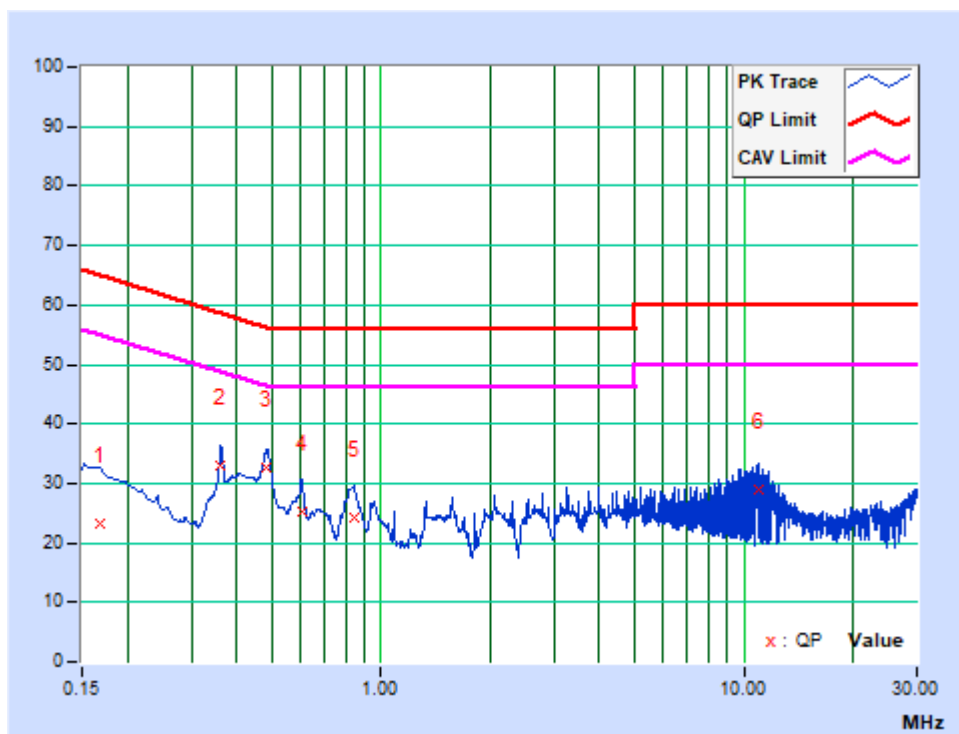
- Turn on the EUT.
- The EUT tested in charging mode and standby mode respectively.

4.1.7 TEST RESULTS

TEST MODE	B	PHASE	Line(L)
TEST VOLTAGE	Powered by Adapter Input AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 58% RH	TESTED BY: Summer	

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	0.16743	9.97	13.16	-0.01	23.13	9.96	65.09	55.09	-41.96	-45.13
2	0.36197	10.13	22.96	18.45	33.09	28.58	58.68	48.68	-25.59	-20.10
3	0.48523	10.17	22.46	10.66	32.63	20.83	56.25	46.25	-23.62	-25.42
4	0.60412	10.19	15.20	10.03	25.39	20.22	56.00	46.00	-30.61	-25.78
5	0.84257	10.24	14.01	7.18	24.25	17.42	56.00	46.00	-31.75	-28.58
6	10.97925	10.55	18.41	14.28	28.96	24.83	60.00	50.00	-31.04	-25.17

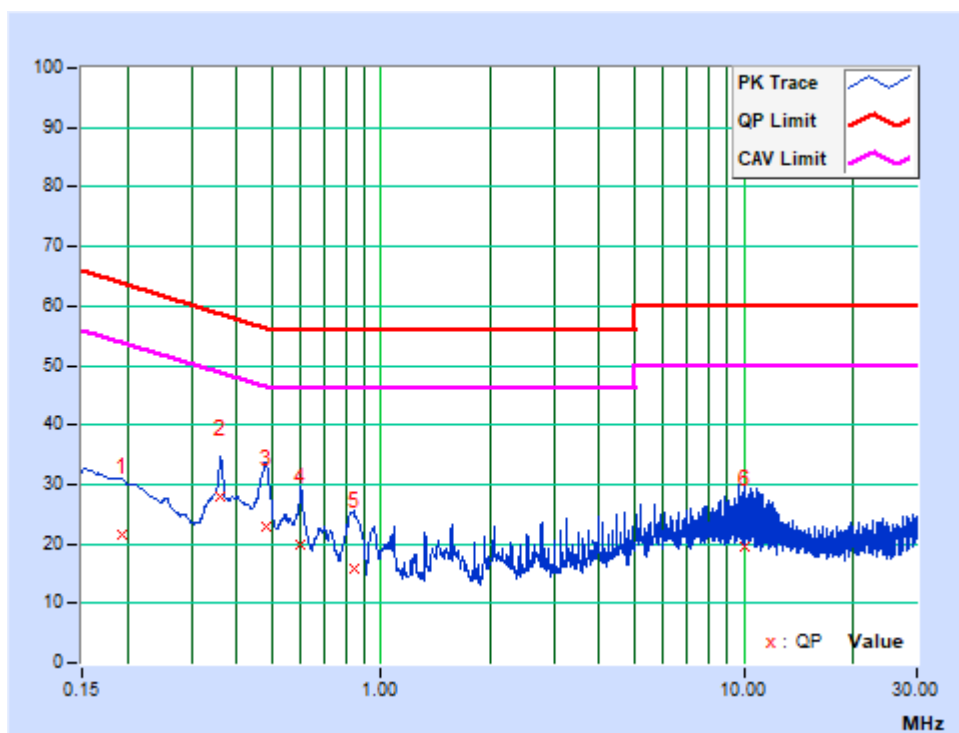
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	B	PHASE	Neutral (N)
TEST VOLTAGE	Powered by Adapter Input AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 58% RH	TESTED BY: Summer	

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	0.19275	9.90	11.50	-3.29	21.40	6.61	63.92	53.92	-42.52	-47.31
2	0.36150	10.02	18.08	11.11	28.10	21.13	58.69	48.69	-30.60	-27.57
3	0.48014	10.03	12.89	1.91	22.92	11.94	56.34	46.34	-33.42	-34.40
4	0.60094	10.05	9.68	3.71	19.73	13.76	56.00	46.00	-36.27	-32.24
5	0.84035	10.10	5.60	-0.83	15.70	9.27	56.00	46.00	-40.30	-36.73
6	10.11525	10.43	9.26	4.24	19.69	14.67	60.00	50.00	-40.31	-35.33

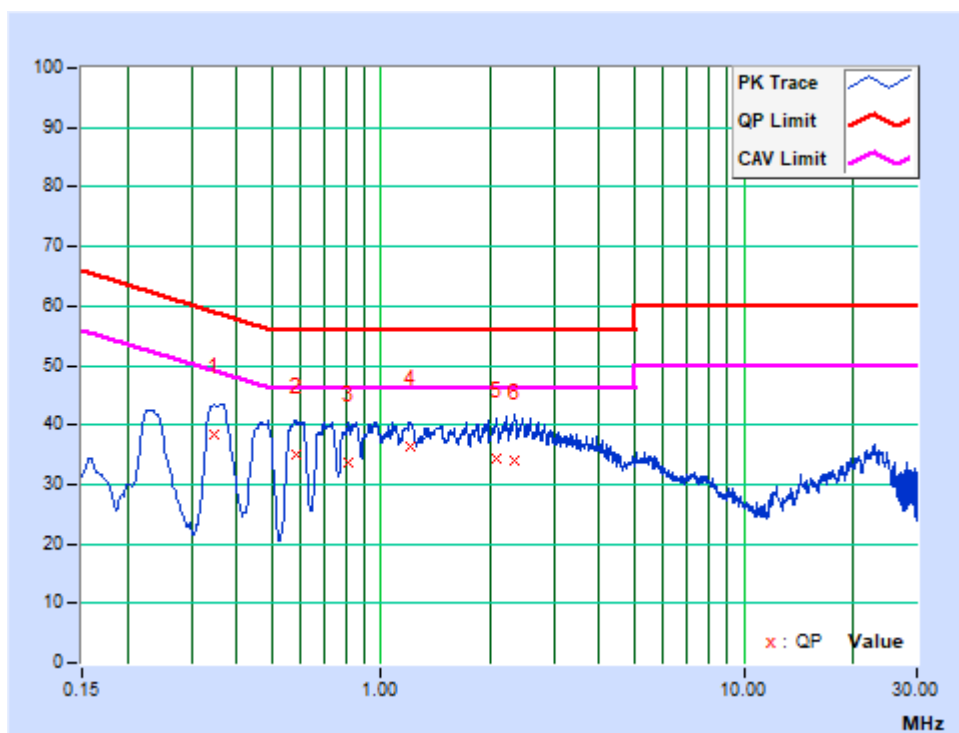
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	C	PHASE	Line(L)
TEST VOLTAGE	Powered by Adapter Input AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 58% RH	TESTED BY: Summer	

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	0.34517	10.12	28.26	16.66	38.38	26.78	59.08	49.08	-20.69	-22.29
2	0.58066	10.19	24.68	13.53	34.87	23.72	56.00	46.00	-21.13	-22.28
3	0.81375	10.24	23.36	13.91	33.60	24.15	56.00	46.00	-22.40	-21.85
4	1.20977	10.30	25.94	17.79	36.24	28.09	56.00	46.00	-19.76	-17.91
5	2.09175	10.39	23.84	13.86	34.23	24.25	56.00	46.00	-21.77	-21.75
6	2.33700	10.42	23.74	12.79	34.16	23.21	56.00	46.00	-21.84	-22.79

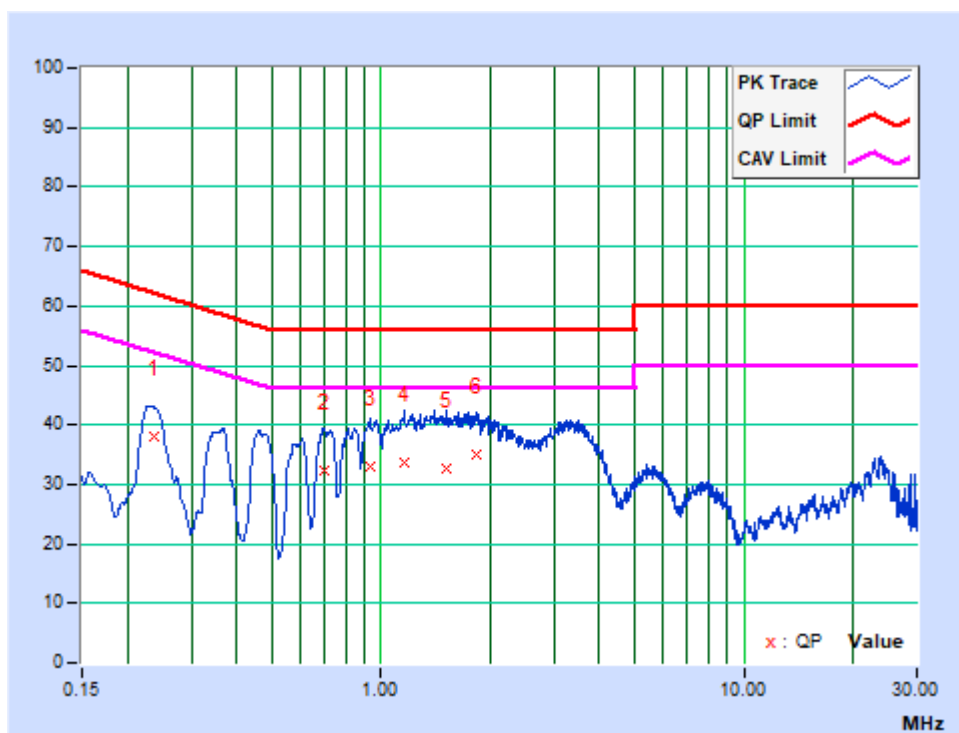
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	C	PHASE	Neutral (N)
TEST VOLTAGE	Powered by Adapter Input AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 58% RH	TESTED BY: Summer	

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	0.23550	9.95	28.23	12.01	38.18	21.96	62.25	52.25	-24.07	-30.29
2	0.69900	10.06	22.40	9.24	32.46	19.30	56.00	46.00	-23.54	-26.70
3	0.93150	10.12	23.00	8.99	33.12	19.11	56.00	46.00	-22.88	-26.89
4	1.16475	10.15	23.46	9.06	33.61	19.21	56.00	46.00	-22.39	-26.79
5	1.51350	10.17	22.60	7.71	32.77	17.88	56.00	46.00	-23.23	-28.12
6	1.82635	10.18	24.75	10.88	34.93	21.06	56.00	46.00	-21.07	-24.94

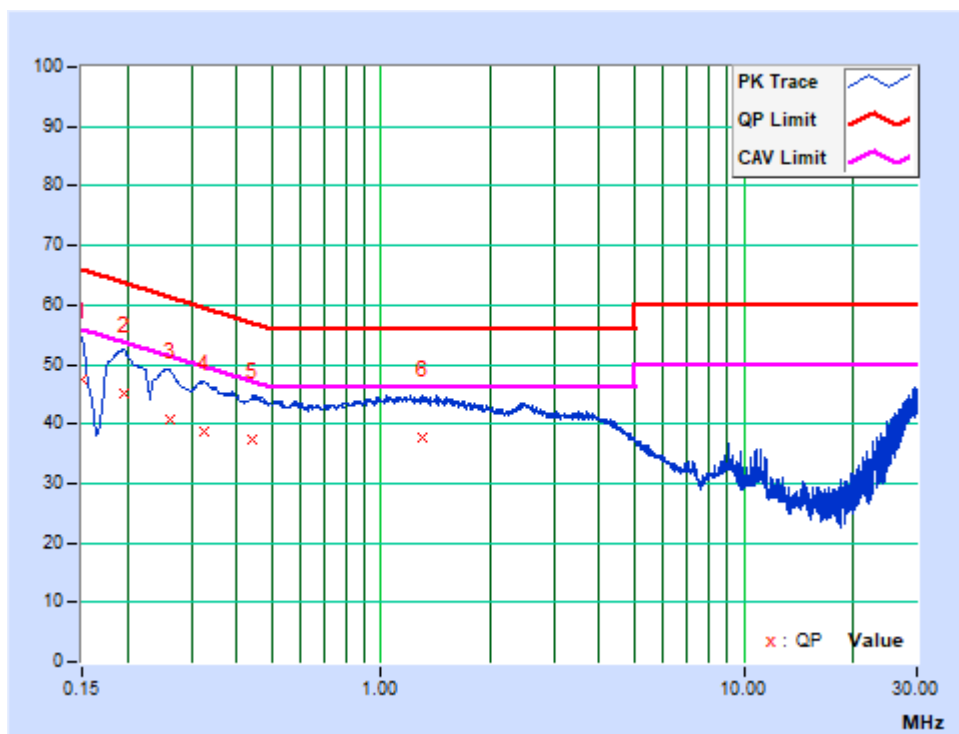
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	D	PHASE	Line(L)
TEST VOLTAGE	Powered by Adapter Input AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 58% RH	TESTED BY: Summer	

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	0.15000	9.93	37.49	18.97	47.42	28.90	66.00	56.00	-18.58	-27.10
2	0.19514	10.03	35.19	13.65	45.22	23.68	63.81	53.81	-18.60	-30.14
3	0.26090	10.09	30.78	9.77	40.87	19.86	61.40	51.40	-20.53	-31.54
4	0.32397	10.12	28.55	8.01	38.67	18.13	59.60	49.60	-20.94	-31.48
5	0.44240	10.15	27.19	10.30	37.34	20.45	57.02	47.02	-19.67	-26.56
6	1.29750	10.31	27.24	18.48	37.55	28.79	56.00	46.00	-18.45	-17.21

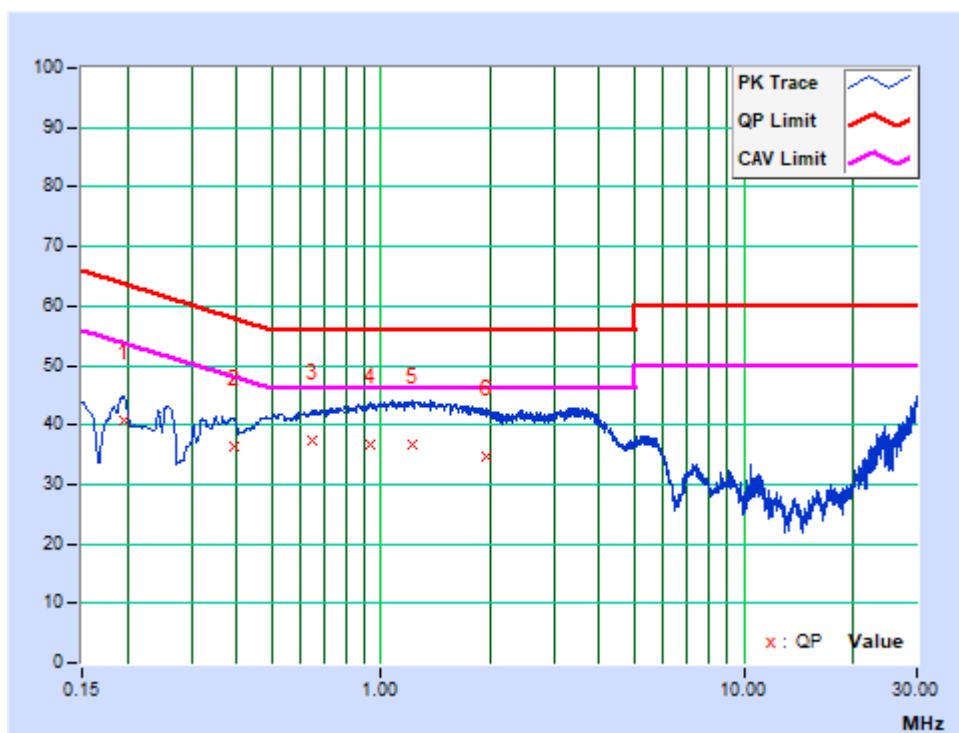
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	D	PHASE	Neutral (N)
TEST VOLTAGE	Powered by Adapter Input AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 58% RH	TESTED BY: Summer	

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	0.19514	9.90	30.89	7.63	40.79	17.53	63.81	53.81	-23.02	-36.28
2	0.39180	10.02	26.24	5.58	36.26	15.60	58.03	48.03	-21.77	-32.43
3	0.64950	10.05	27.16	12.18	37.21	22.23	56.00	46.00	-18.79	-23.77
4	0.93750	10.12	26.73	10.95	36.85	21.07	56.00	46.00	-19.15	-24.93
5	1.22585	10.15	26.42	13.06	36.57	23.21	56.00	46.00	-19.43	-22.79
6	1.94775	10.19	24.45	11.67	34.64	21.86	56.00	46.00	-21.36	-24.14

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

NOTES:

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.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101564	Jan. 18,23
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	1519B-045	May 21,23
Amplifier	Burgeon	BPA-530	100210	Mar. 09,23
Coaxial RF Cable	/	/	/	Aug. 03,22
Test Software	ADT	ADT_Radiated_V8.7.07	N/A	N/A

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

FREQUENCY 30MHz-1GHz

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESU40	100449	Feb. 22, 23
Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	01263	Sep. 30, 22
Pre-Amplifier	Burgeon	BPA-530	100220	Mar. 08, 23
3m Semi-anechoic Chamber	Burgeon	9m*6m*6m	NSEMC003	Oct. 15, 22
Coaxial RF Cable(3m Below 1G)	/	/	/	Aug. 30, 22
Test software	ADT	ADT_Radiated_V7.6.15.9.2	N/A	N/A

- NOTES:** 1. The test was performed in 966 Chamber. (Chenwu)
 2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to CEPREI/CHINA, GREGT/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, all three directions parallel, perpendicular and ground-parallel of the antenna are set to make the measurement.
- c. 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.

<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:

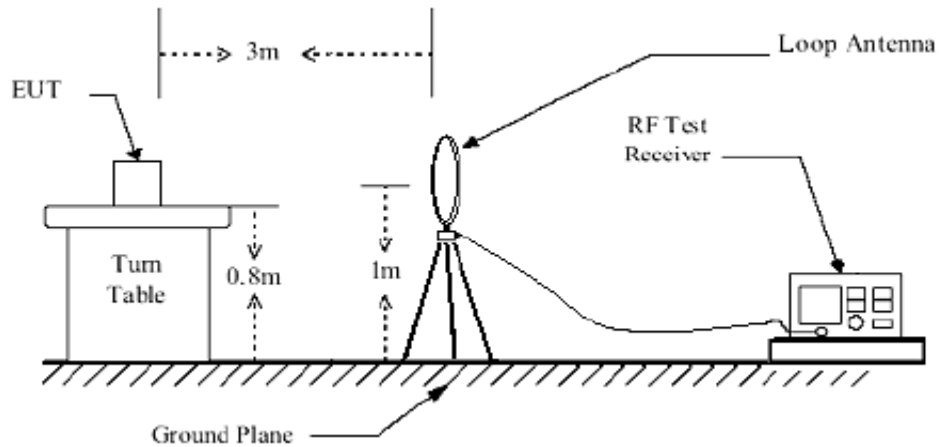
1. The resolution bandwidth of test receiver/spectrum analyzer is 200Hz for Quasi-peak detection (QP) or average detection (AV) at fundamental frequency 9K-150KHz;
2. The resolution bandwidth of test receiver/spectrum analyzer is 9KHz for Quasi-peak detection (QP) at fundamental frequency 150K-30MHz;
3. The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at radiated spurious emission frequency 30MHz-1GHz.
4. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
5. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
6. Margin value = Emission level – Limit value.

4.2.4 DEVIATION FROM TEST STANDARD

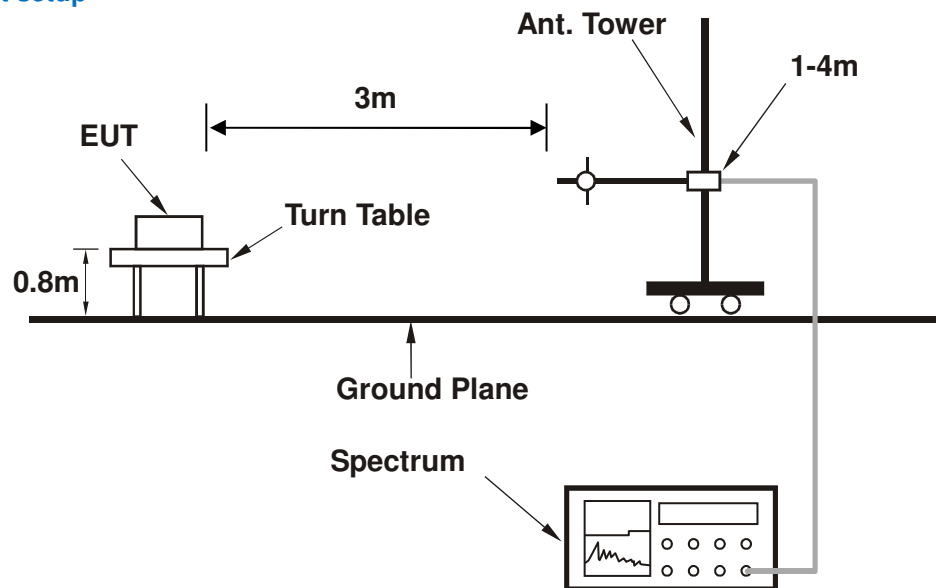
No deviation.

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

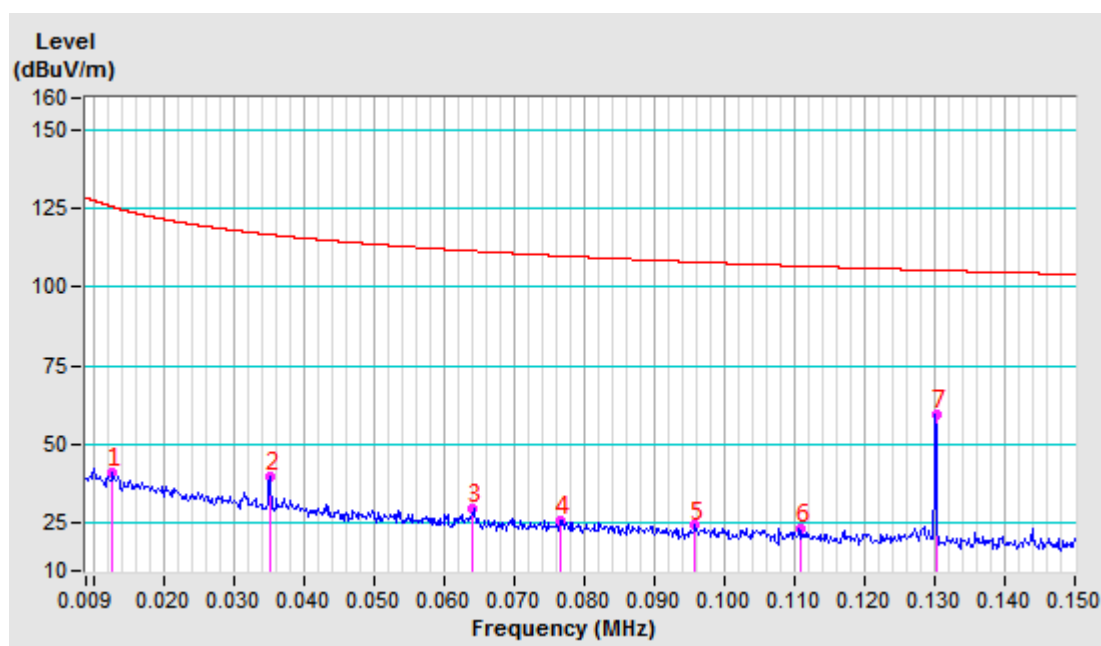
- Turn on the EUT.
- The EUT tested in charging mode and standby mode respectively.

4.2.7 TEST RESULTS

Battery Mode

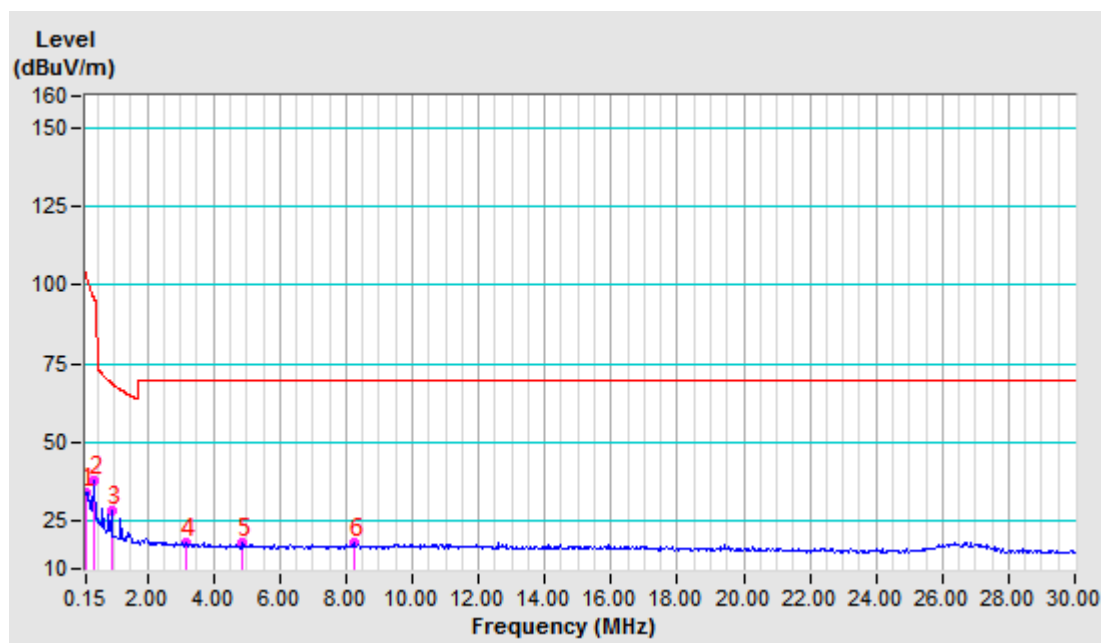
Test Mode	A	Frequency Range	9 kHz ~ 150 kHz
Test Voltage	Fully Battery	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% RH	Tested By	Jay

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	-11.20	52.28	41.08	125.46	-84.38	100	172
2	0.03520 AV	-11.62	51.47	39.85	116.67	-76.82	100	85
3	0.06420 AV	-11.82	41.51	29.69	111.45	-81.76	100	88
4	0.07670 AV	-11.79	37.86	26.07	109.91	-83.84	100	324
5	0.09580 QP	-11.67	36.04	24.37	107.97	-83.60	100	315
6	0.11080 AV	-11.67	34.93	23.26	106.71	-83.45	100	97
7	0.13020 AV	-11.69	71.29	59.60	105.31	-45.71	100	34



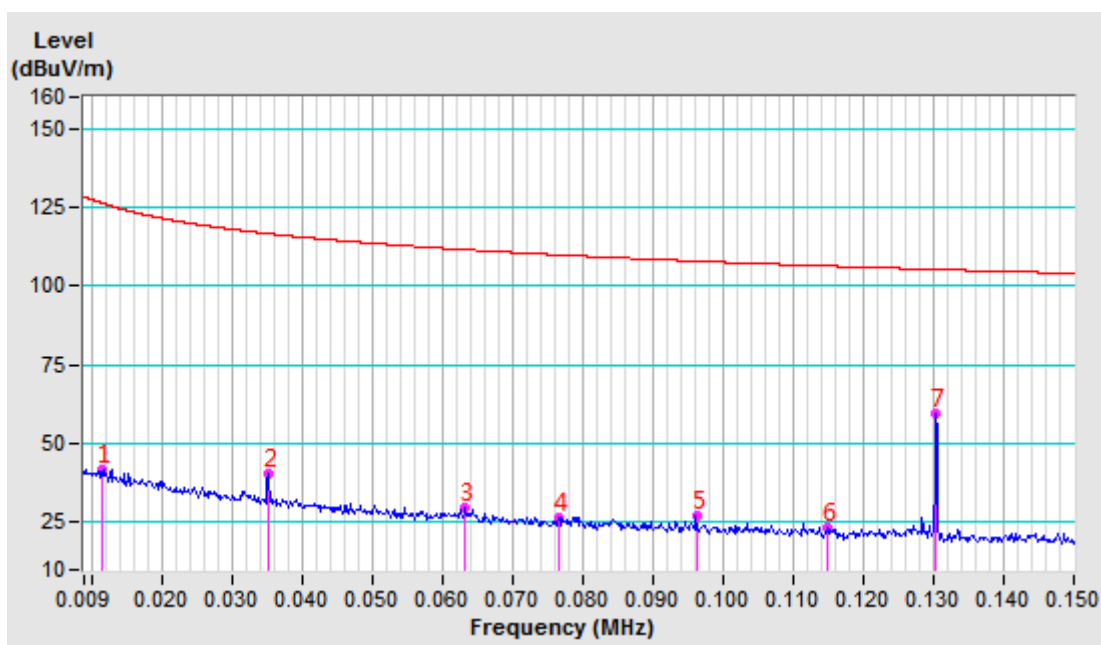
Test Mode	A	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	Fully Battery	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% RH	Tested By	Jay

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	0.15300 AV	-11.72	46.10	34.38	103.91	-69.53	100	200
2	0.41420 AV	-11.72	49.79	38.07	95.26	-57.19	100	152
3	0.93210 QP	-11.71	40.45	28.74	68.73	-39.99	100	15
4	3.19630 QP	-11.67	29.93	18.26	69.54	-51.28	100	168
5	4.87700 QP	-11.73	29.95	18.22	69.54	-51.32	100	132
6	8.21890 QP	-11.58	30.04	18.46	69.54	-51.08	100	218



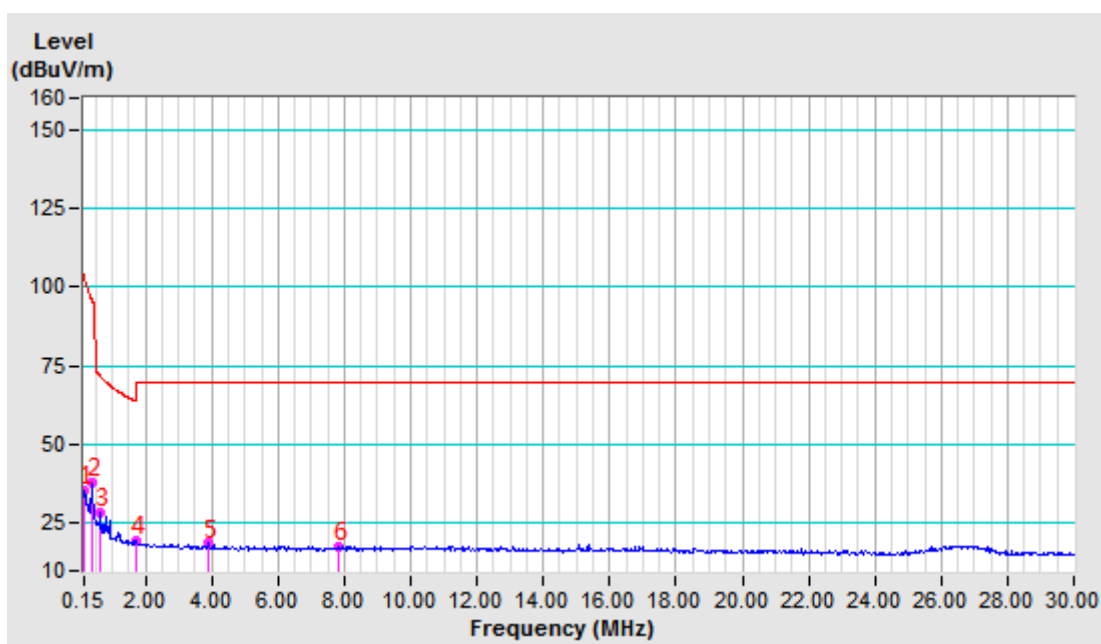
Test Mode	A	Frequency Range	9 kHz ~ 150 kHz
Test Voltage	Fully Battery	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% RH	Tested By	Jay

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	0.01170 AV	-11.16	52.75	41.59	126.24	-84.65	100	24
2	0.03520 AV	-11.62	52.27	40.65	116.67	-76.02	100	141
3	0.06330 AV	-11.82	41.51	29.69	111.57	-81.88	100	30
4	0.07660 AV	-11.79	38.42	26.63	109.92	-83.29	100	47
5	0.09620 QP	-11.67	38.62	26.95	107.94	-80.99	100	95
6	0.11500 AV	-11.67	34.95	23.28	106.39	-83.11	100	175
7	0.13040 AV	-11.69	71.35	59.66	105.30	-45.64	100	287



Test Mode	A	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	Fully Battery	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% RH	Tested By	Jay

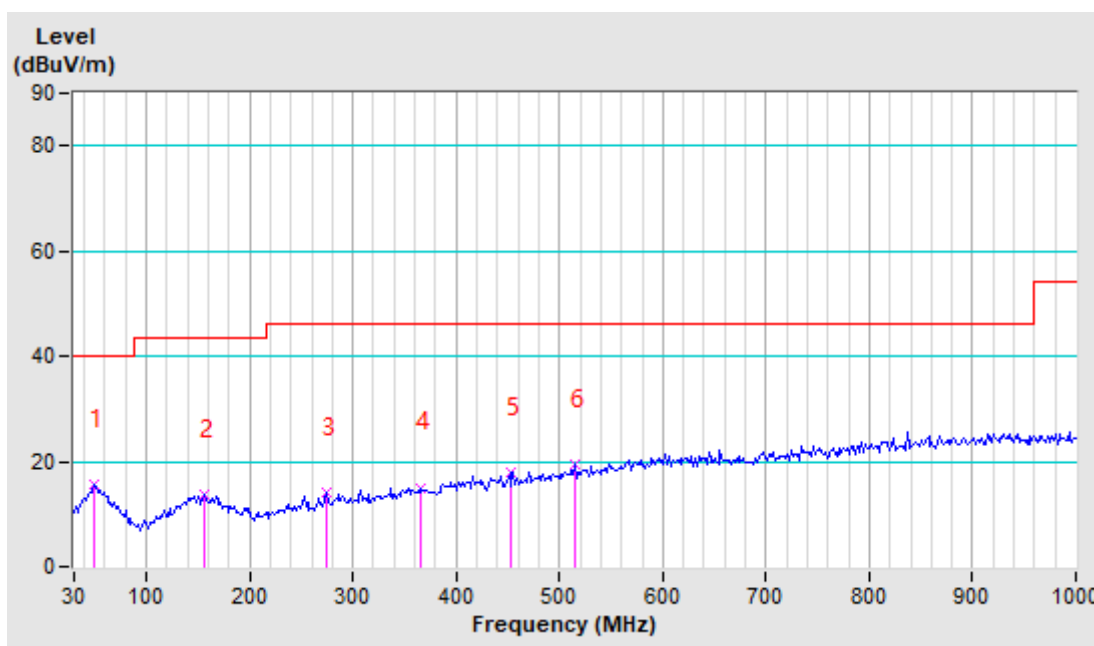
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.15300 AV	-11.72	47.06	35.34	103.91	-68.57	100	168
2	0.39030 AV	-11.72	49.81	38.09	95.78	-57.69	100	349
3	0.65300 QP	-11.72	40.21	28.49	71.54	-43.05	100	0
4	1.73360 QP	-11.63	31.30	19.67	69.54	-49.87	100	78
5	3.87990 QP	-11.70	30.29	18.59	69.54	-50.95	100	0
6	7.85170 QP	-11.60	29.51	17.91	69.54	-51.63	100	153



Test Mode	A	Frequency Range	30MHz ~ 1000MHz
Test Voltage	Fully Battery	Detector Function	Quasi-Peak (QP)
Environmental Conditions	25deg. C, 55% RH	Tested By	Jelly

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	49.40	-14.10	29.59	15.49	40.00	-24.51	100	35
2	156.10	-13.55	27.40	13.85	43.50	-29.65	100	75
3	274.12	-13.18	27.21	14.03	46.00	-31.97	100	234
4	364.65	-11.25	26.30	15.05	46.00	-30.95	100	354
5	451.95	-9.86	27.73	17.87	46.00	-28.13	100	241
6	515.00	-8.79	28.06	19.27	46.00	-26.73	100	291

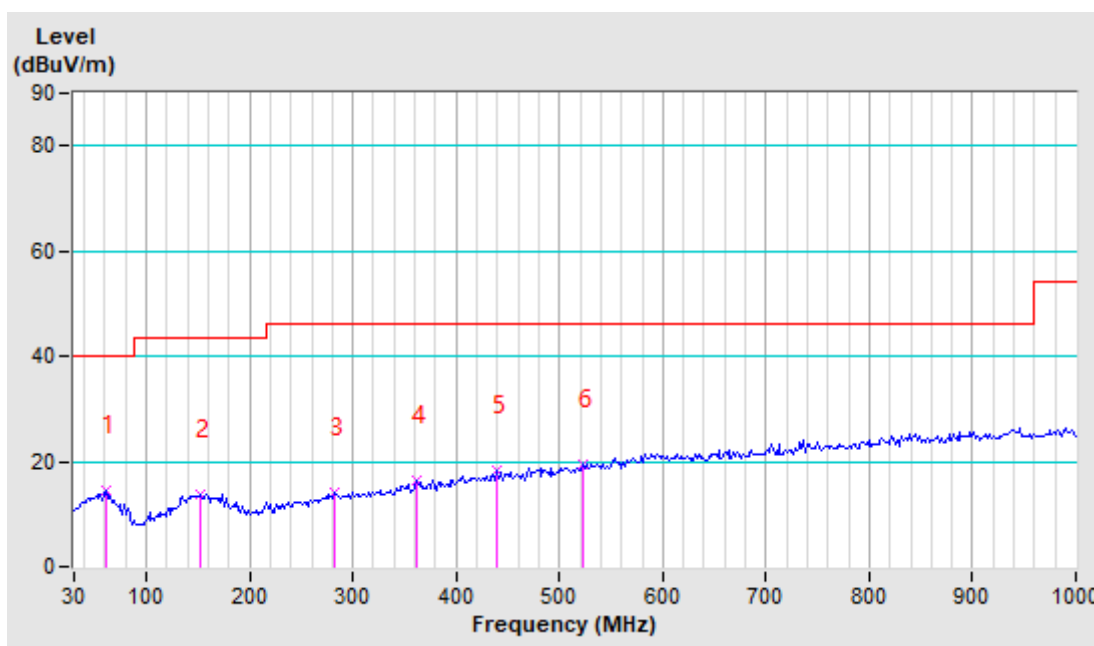
- REMARKS:** 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.s
4. Only emissions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



Test Mode	A	Frequency Range	30MHz ~ 1000MHz
Test Voltage	Fully Battery	Detector Function	Quasi-Peak (QP)
Environmental Conditions	25deg. C, 55% RH	Tested By	Jelly

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	60.72	-14.15	28.53	14.38	40.00	-25.62	100	60.72
2	152.87	-13.62	27.36	13.74	43.50	-29.76	100	152.87
3	282.20	-12.82	26.82	14.00	46.00	-32.00	100	282.20
4	361.42	-11.30	27.68	16.38	46.00	-29.62	100	361.42
5	439.02	-10.06	28.32	18.26	46.00	-27.74	100	439.02
6	523.08	-8.60	28.15	19.55	46.00	-26.45	100	523.08

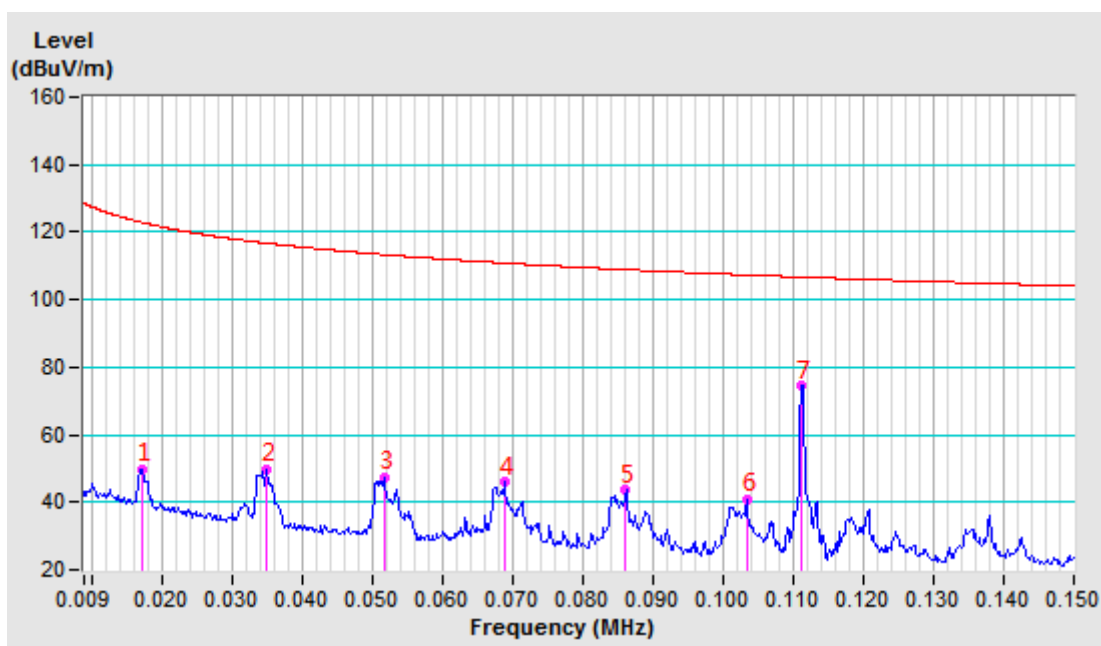
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions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



USB-C INPUT Mode

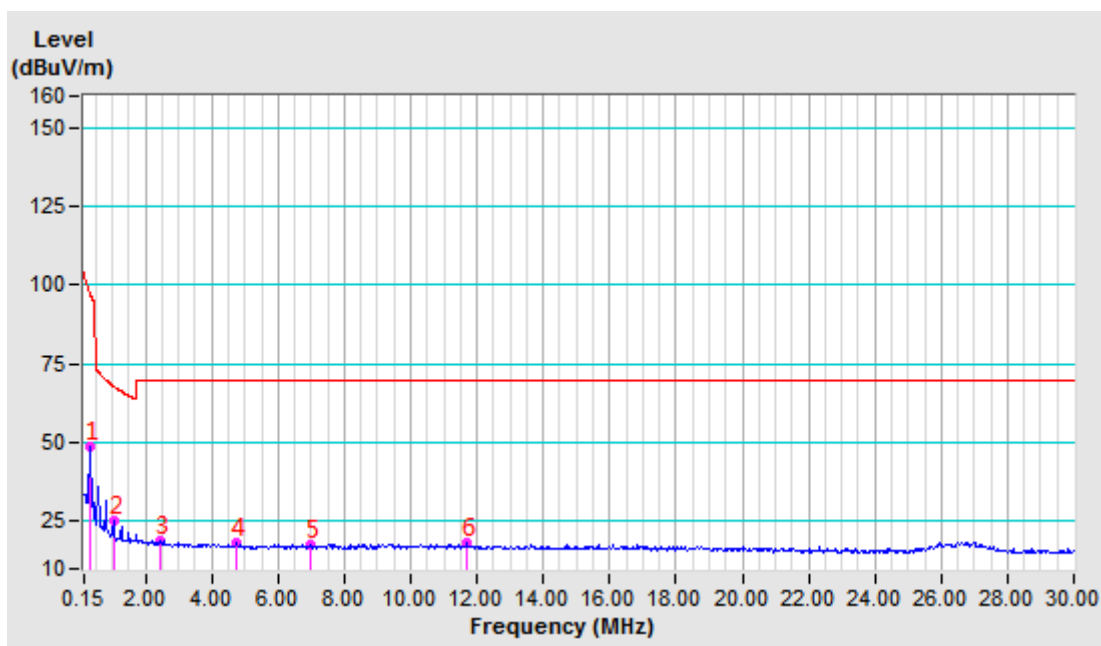
Test Mode	B	Frequency Range	9 kHz ~ 150 kHz
Test Voltage	Powered by Adapter Input AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% RH	Tested By	Jay

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	0.01730 AV	-11.29	61.18	49.89	122.84	-72.95	100	136
2	0.03510 AV	-11.62	61.53	49.91	116.70	-66.79	100	119
3	0.05170 AV	-11.81	59.31	47.50	113.33	-65.83	100	275
4	0.06900 AV	-11.81	57.88	46.07	110.83	-64.76	100	214
5	0.08620 AV	-11.74	55.44	43.70	108.89	-65.19	100	306
6	0.10350 QP	-11.65	52.46	40.81	107.30	-66.49	100	344
7	0.11110 AV	-11.67	86.13	74.46	106.69	-32.23	100	84



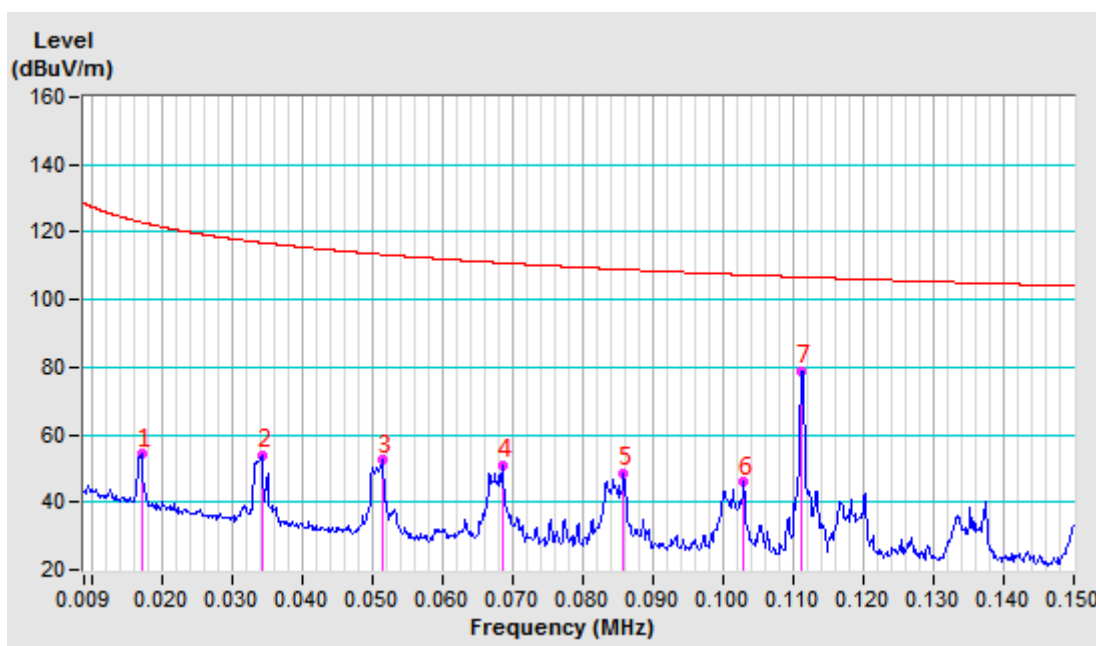
Test Mode	B	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	Powered by Adapter Input AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% RH	Tested By	Jay

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	0.34700 AV	-11.74	60.66	48.92	96.80	-47.88	100	306
2	1.04260 QP	-11.71	37.03	25.32	67.85	-42.53	100	331
3	2.43360 QP	-11.61	30.46	18.85	69.54	-50.69	100	360
4	4.71880 QP	-11.73	29.87	18.14	69.54	-51.40	100	225
5	6.97110 QP	-11.64	29.28	17.64	69.54	-51.90	100	313
6	11.70700 QP	-11.55	29.72	18.17	69.54	-51.37	100	264



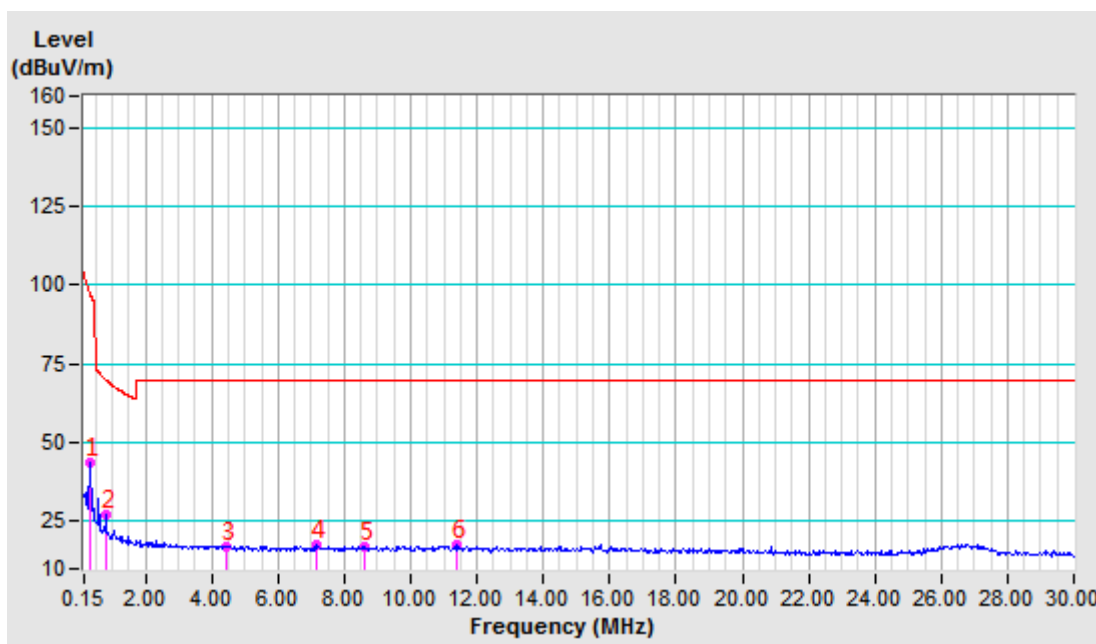
Test Mode	B	Frequency Range	9 kHz ~ 150 kHz
Test Voltage	Powered by Adapter Input AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% RH	Tested By	Jay

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	0.01720 AV	-11.28	65.63	54.35	122.89	-68.54	100	115
2	0.03430 AV	-11.61	65.57	53.96	116.90	-62.94	100	70
3	0.05150 AV	-11.80	64.18	52.38	113.37	-60.99	100	165
4	0.06870 AV	-11.81	62.72	50.91	110.86	-59.95	100	183
5	0.08580 AV	-11.74	60.32	48.58	108.93	-60.35	100	75
6	0.10300 QP	-11.65	57.49	45.84	107.35	-61.51	100	306
7	0.11120 AV	-11.67	90.48	78.81	106.68	-27.87	100	183



Test Mode	B	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	Powered by Adapter Input AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% RH	Tested By	Jay

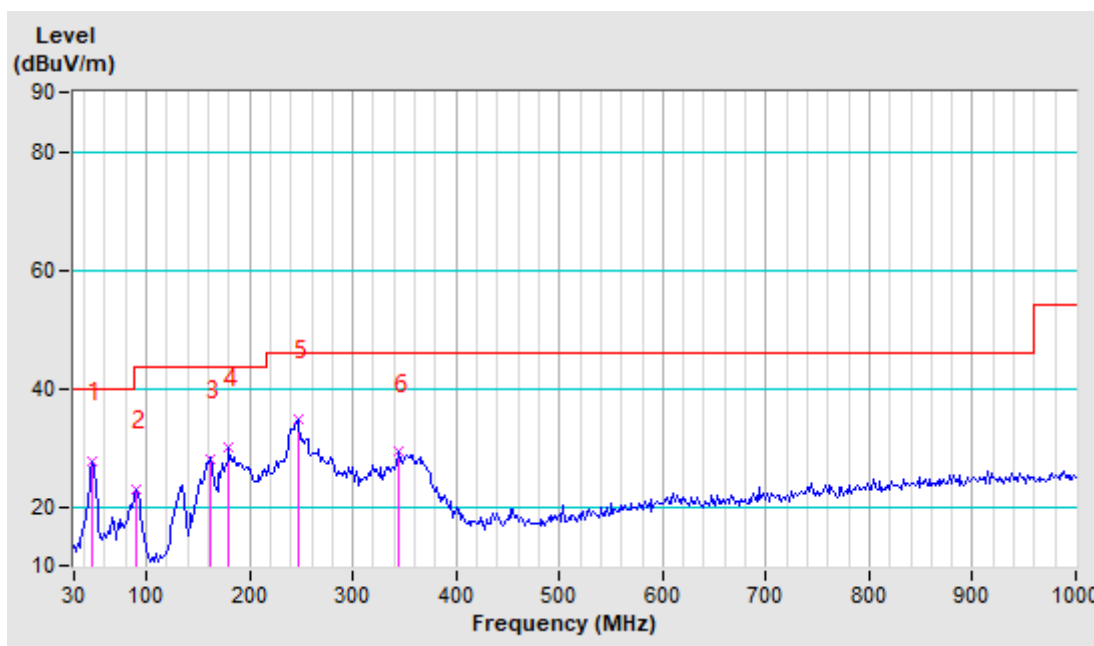
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.34700 AV	-11.74	55.51	43.77	96.80	-53.03	100	54
2	0.81120 QP	-11.72	38.74	27.02	69.83	-42.81	100	13
3	4.42470 QP	-11.72	29.00	17.28	69.54	-52.26	100	48
4	7.15610 QP	-11.63	29.22	17.59	69.54	-51.95	100	175
5	8.60100 QP	-11.58	28.87	17.29	69.54	-52.25	100	258
6	11.36220 QP	-11.55	29.08	17.53	69.54	-52.01	100	276



Test Mode	B	Frequency Range	30MHz ~ 1000MHz
Test Voltage	Powered by Adapter Input AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	25deg. C, 55% RH	Tested By	Jelly

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	47.78	-14.22	42.00	27.78	40.00	-12.22	100	57
2	89.82	-19.11	42.09	22.98	43.50	-20.52	100	0
3	162.57	-13.64	41.74	28.10	43.50	-15.40	100	43
4	180.35	-14.89	45.01	30.12	43.50	-13.38	100	6
5	246.63	-14.35	49.23	34.88	46.00	-11.12	100	0
6	343.63	-11.61	40.79	29.18	46.00	-16.82	100	29

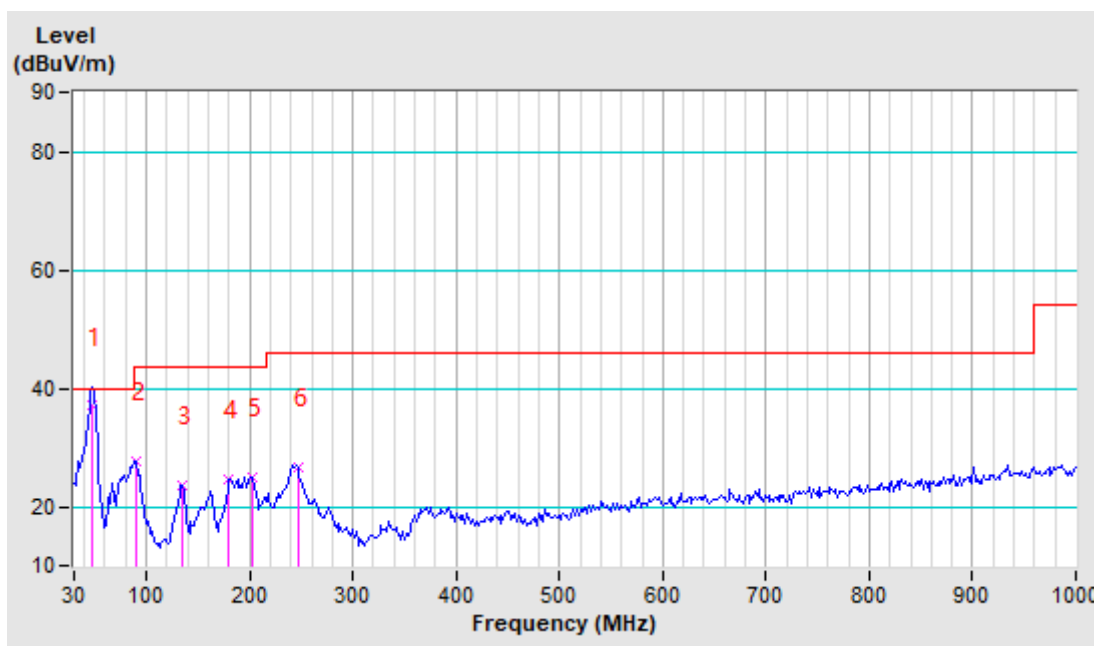
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions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



Test Mode	B	Frequency Range	30MHz ~ 1000MHz
Test Voltage	Powered by Adapter Input AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	25deg. C, 55% RH	Tested By	Jelly

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	47.78	-14.22	51.17	36.95	40.00	-3.05	100	156
2	89.82	-19.11	46.69	27.58	43.50	-15.92	100	171
3	135.08	-14.62	38.29	23.67	43.50	-19.83	100	259
4	180.35	-14.89	39.60	24.71	43.50	-18.79	100	245
5	202.98	-16.27	41.27	25.00	43.50	-18.50	100	207
6	246.63	-14.35	40.88	26.53	46.00	-19.47	100	227

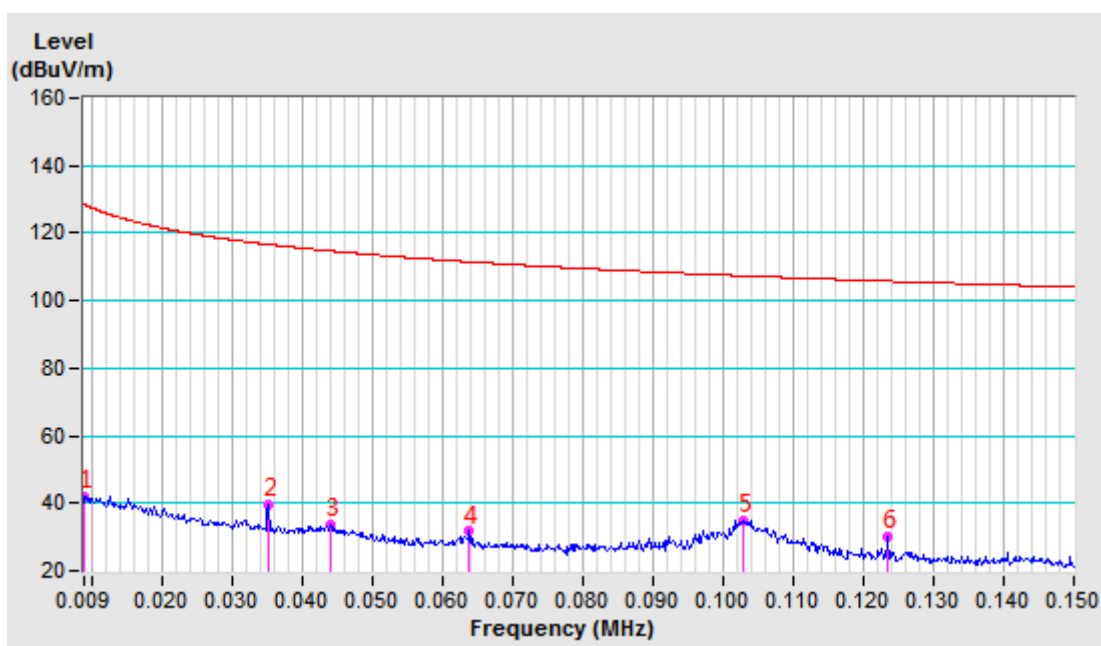
- REMARKS:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 2. Negative sign (-) in the margin column signify levels below the limit.
 3. Frequency range scanned: 30-1000MHz.
 4. Only emissions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



BASE SUPPORT INPUT Mode

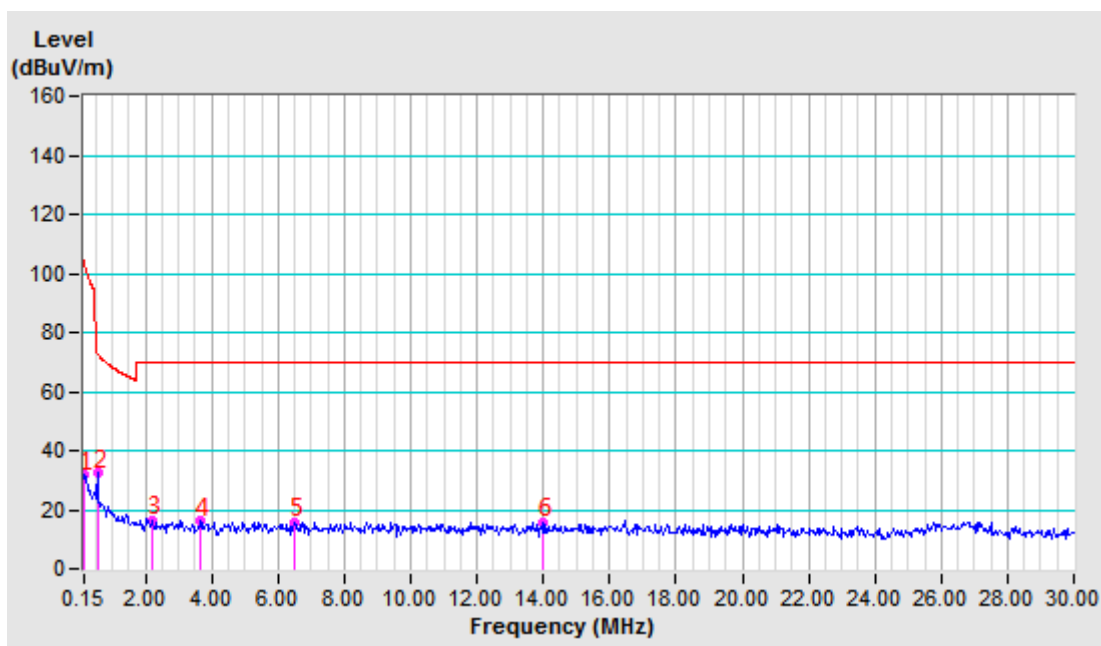
Test Mode	C	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	Powered by Adapter Input AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% RH	Tested By	Jay

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	0.00910 AV	-11.04	53.14	42.10	128.42	-86.32	100	85
2	0.03520 AV	-11.62	51.40	39.78	116.67	-76.89	100	93
3	0.04410 AV	-11.73	45.42	33.69	114.71	-81.02	100	158
4	0.06380 AV	-11.82	43.54	31.72	111.51	-79.79	100	133
5	0.10300 QP	-11.65	46.71	35.06	107.35	-72.29	100	101
6	0.12340 AV	-11.68	41.94	30.26	105.78	-75.52	100	200



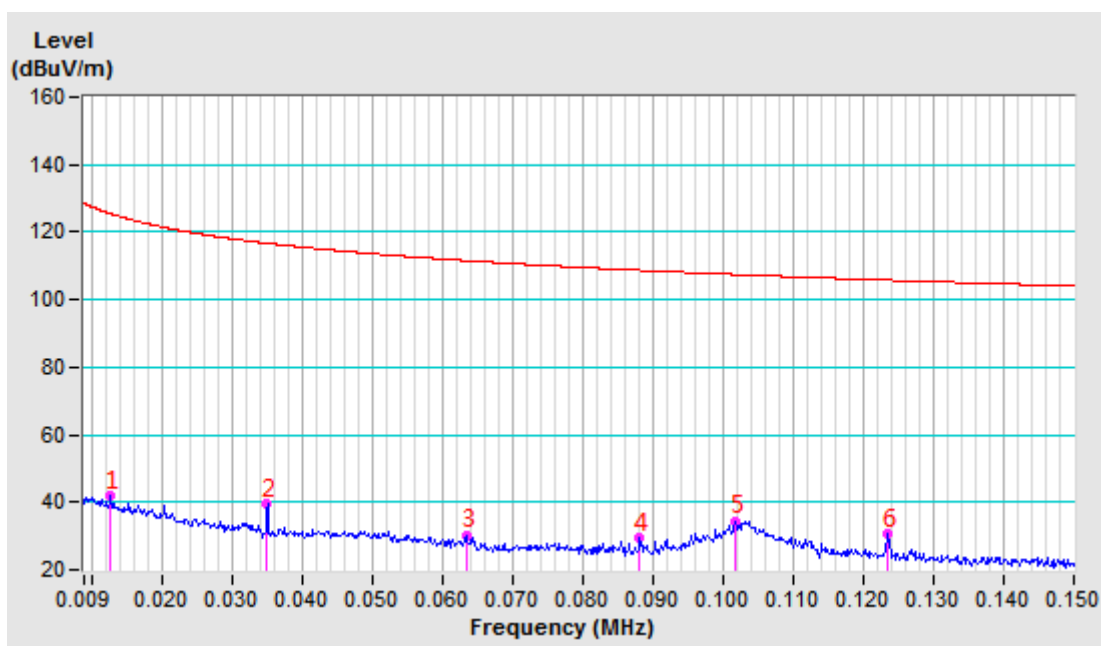
Test Mode	C	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	Powered by Adapter Input AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% RH	Tested By	Jay

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	0.17410 AV	-11.71	43.62	31.91	102.79	-70.88	100	46
2	0.55000 QP	-11.73	44.04	32.31	72.89	-40.58	100	232
3	2.22320 QP	-11.60	28.19	16.59	69.54	-52.95	100	96
4	3.65610 QP	-11.69	27.83	16.14	69.54	-53.40	100	120
5	6.48600 QP	-11.68	27.50	15.82	69.54	-53.72	100	346
6	14.00410 QP	-11.54	27.36	15.82	69.54	-53.72	100	72



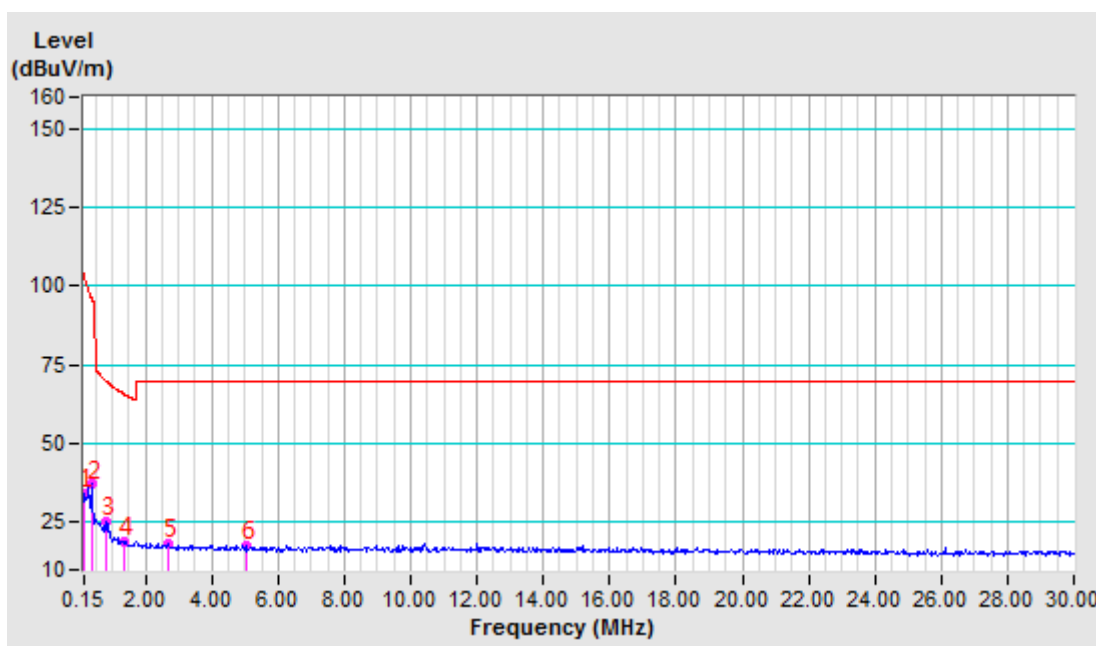
Test Mode	C	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	Powered by Adapter Input AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% RH	Tested By	Jay

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	-11.20	52.88	41.68	125.46	-83.78	100	108
2	0.03510 AV	-11.62	51.09	39.47	116.70	-77.23	100	123
3	0.06340 AV	-11.82	42.14	30.32	111.56	-81.24	100	75
4	0.08820 AV	-11.72	40.99	29.27	108.69	-79.42	100	44
5	0.10170 QP	-11.65	46.09	34.44	107.46	-73.02	100	163
6	0.12350 AV	-11.68	42.33	30.65	105.77	-75.12	100	119



Test Mode	C	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	Powered by Adapter Input AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% RH	Tested By	Jay

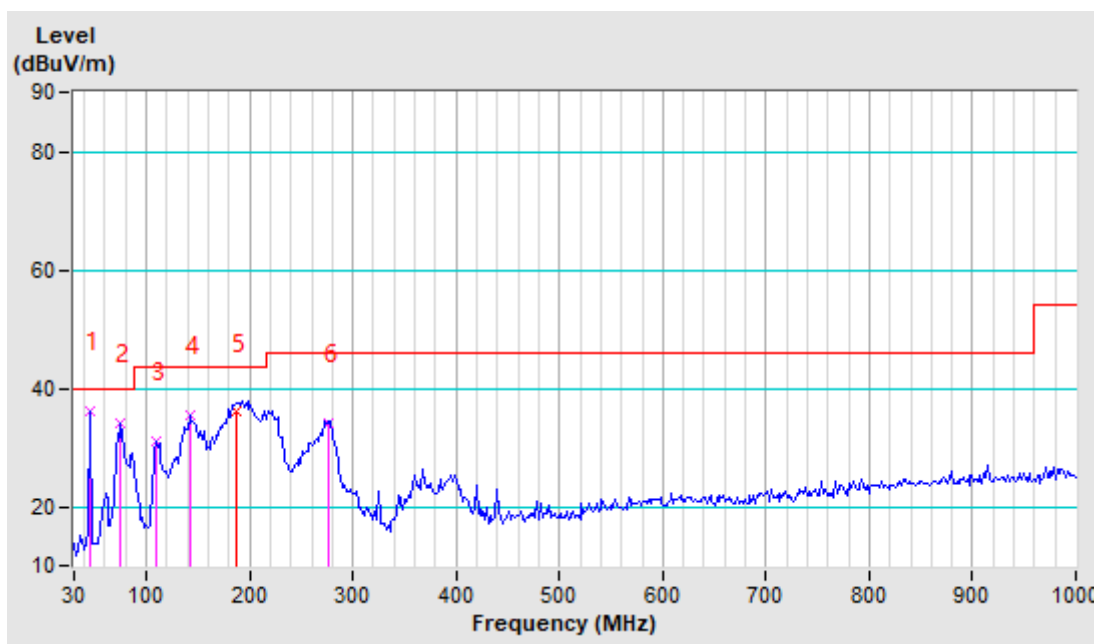
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.17390 AV	-11.71	84.08	72.37	102.80	-30.43	100	145
2	0.52170 QP	-11.73	62.39	50.66	73.31	-22.65	100	71
3	0.86940 QP	-11.72	53.01	41.29	69.28	-27.99	100	211
4	1.21720 QP	-11.69	47.10	35.41	66.63	-31.22	100	161
5	1.91420 QP	-11.60	39.69	28.09	69.54	-41.45	100	37
6	2.26200 QP	-11.59	37.41	25.82	69.54	-43.72	100	85



Test Mode	C	Frequency Range	30MHz ~ 1000MHz
Test Voltage	Powered by Adapter Input AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	25deg. C, 55% RH	Tested By	Jelly

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	46.17	-14.38	50.53	36.15	40.00	-3.85	100	245
2	75.27	-16.35	50.45	34.10	40.00	-5.90	100	14
3	109.22	-17.66	48.77	31.11	43.50	-12.39	100	254
4	141.55	-13.88	49.41	35.53	43.50	-7.97	100	224
5	188.00	-15.48	51.48	36.00	43.50	-7.50	100	51
6	275.73	-13.09	47.29	34.20	46.00	-11.80	100	144

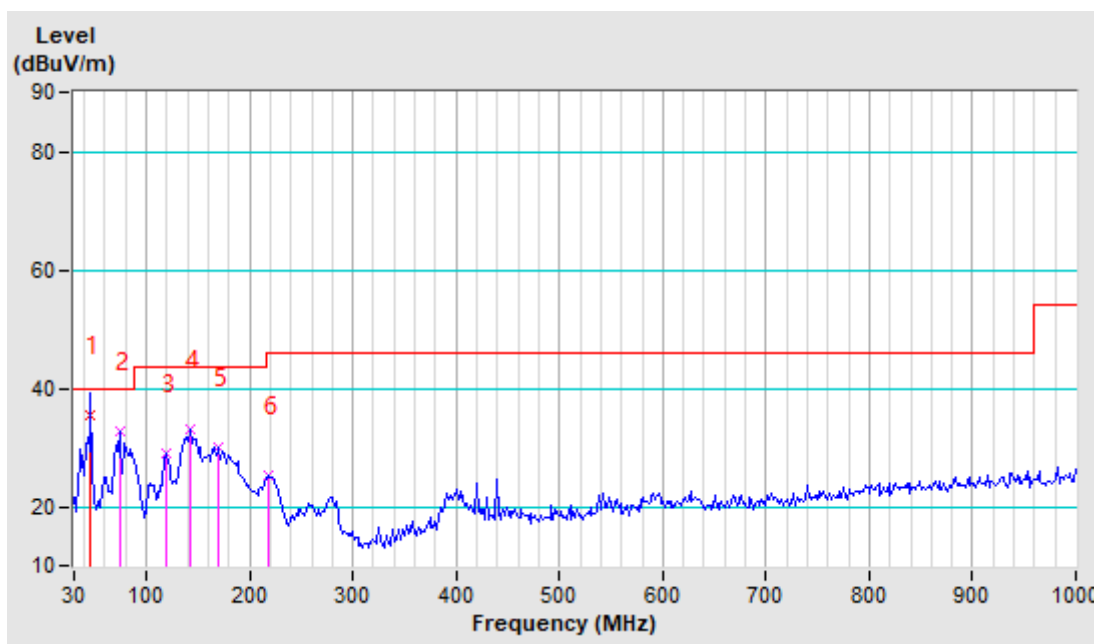
- REMARKS:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 2. Negative sign (-) in the margin column signify levels below the limit.
 3. Frequency range scanned: 30-1000MHz.
 4. Only emissions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



Test Mode	C	Frequency Range	30MHz ~ 1000MHz
Test Voltage	Powered by Adapter Input AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	25deg. C, 55% RH	Tested By	Jelly

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	46.00	-14.40	49.98	35.58	40.00	-4.42	100	245
2	73.65	-16.08	48.85	32.77	40.00	-7.23	100	254
3	118.92	-16.88	45.93	29.05	43.50	-14.45	100	22
4	143.17	-13.84	46.98	33.14	43.50	-10.36	100	35
5	170.65	-14.21	44.23	30.02	43.50	-13.48	100	147
6	219.15	-15.52	40.72	25.20	46.00	-20.80	100	286

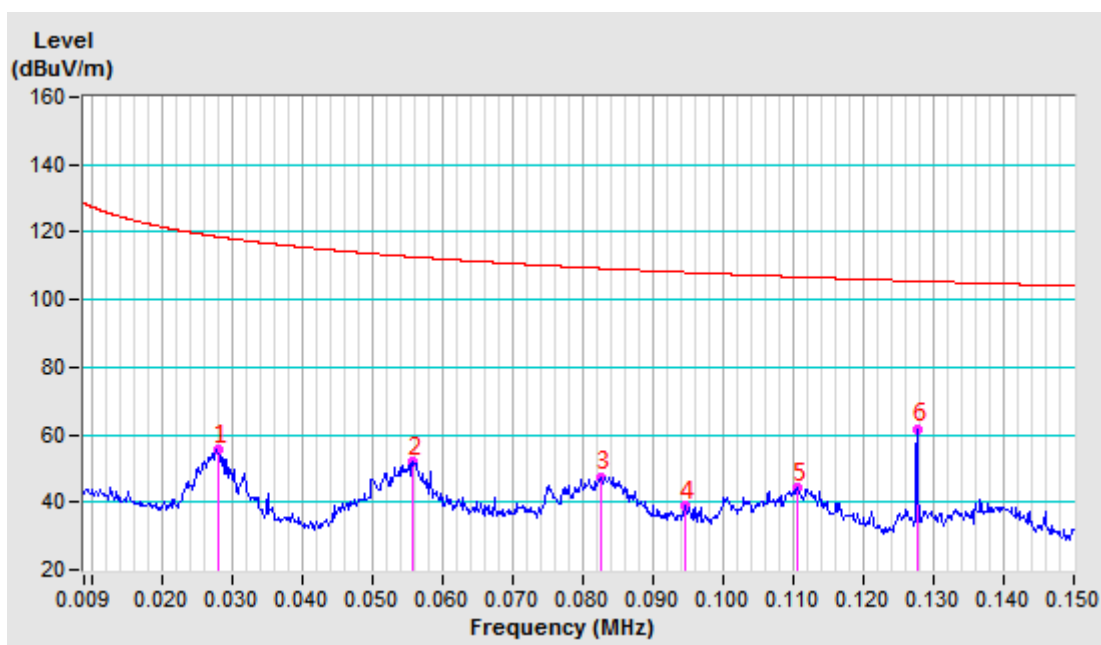
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions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



BASE SUPPORT INPUT Mode

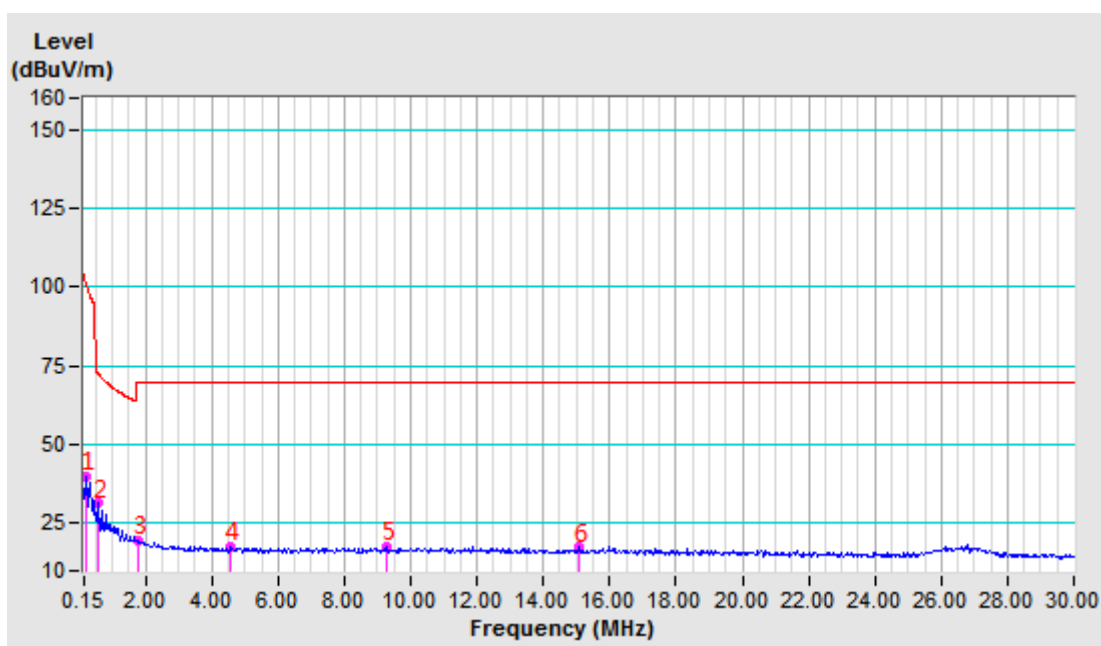
Test Mode	D	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	Powered by Adapter Input AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% RH	Tested By	Jay

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	0.02800 AV	-11.52	67.06	55.54	118.66	-63.12	100	1
2	0.05590 AV	-11.82	63.60	51.78	112.65	-60.87	100	151
3	0.08270 AV	-11.76	59.23	47.47	109.25	-61.78	100	52
4	0.09460 QP	-11.69	50.65	38.96	108.08	-69.12	100	64
5	0.11050 QP	-11.67	55.73	44.06	106.73	-62.67	100	53
6	0.12770 AV	-11.68	73.40	61.72	105.48	-43.76	100	116



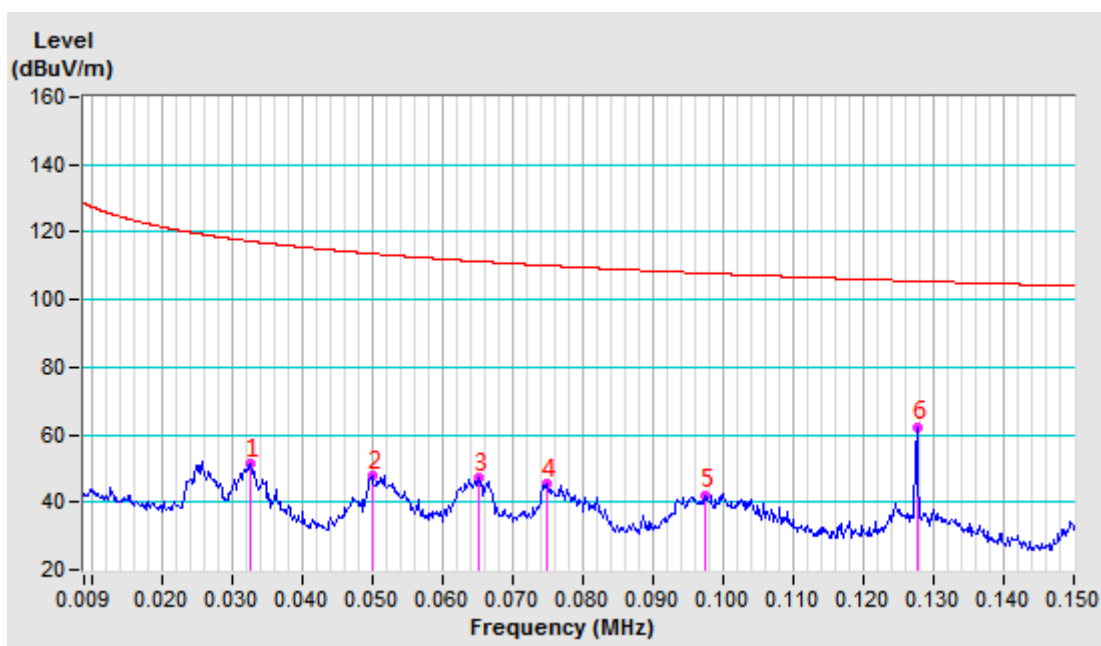
Test Mode	D	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	Powered by Adapter Input AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% RH	Tested By	Jay

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	0.23510 AV	-11.72	51.63	39.91	100.18	-60.27	100	335
2	0.58880 QP	-11.73	43.07	31.34	72.35	-41.01	100	308
3	1.78140 QP	-11.61	31.21	19.60	69.54	-49.94	100	254
4	4.54120 QP	-11.72	29.55	17.83	69.54	-51.71	100	105
5	9.24430 QP	-11.57	29.47	17.90	69.54	-51.64	100	36
6	15.04890 QP	-11.49	28.88	17.39	69.54	-52.15	100	57



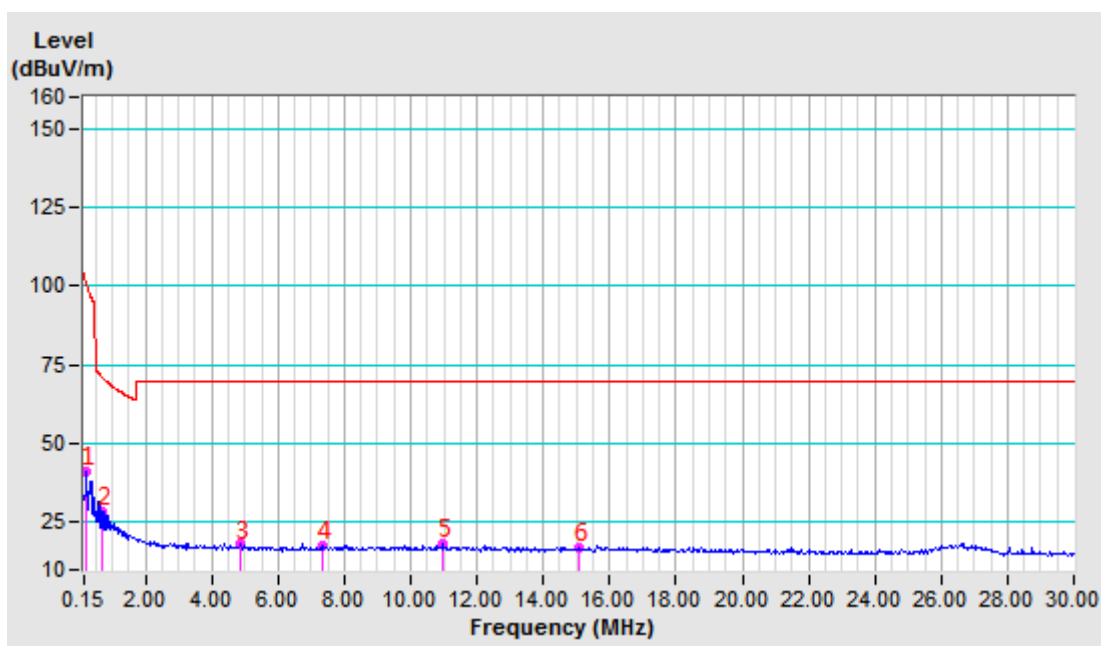
Test Mode	D	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	Powered by Adapter Input AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% RH	Tested By	Jay

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	0.03280 AV	-11.60	63.07	51.47	117.29	-65.82	100	36
2	0.05000 AV	-11.80	59.70	47.90	113.62	-65.72	100	208
3	0.06510 AV	-11.82	58.90	47.08	111.33	-64.25	100	177
4	0.07500 AV	-11.79	57.18	45.39	110.10	-64.71	100	54
5	0.09760 QP	-11.66	53.86	42.20	107.81	-65.61	100	210
6	0.12770 AV	-11.68	74.03	62.35	105.48	-43.13	100	48



Test Mode	D	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	Powered by Adapter Input AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% RH	Tested By	Jay

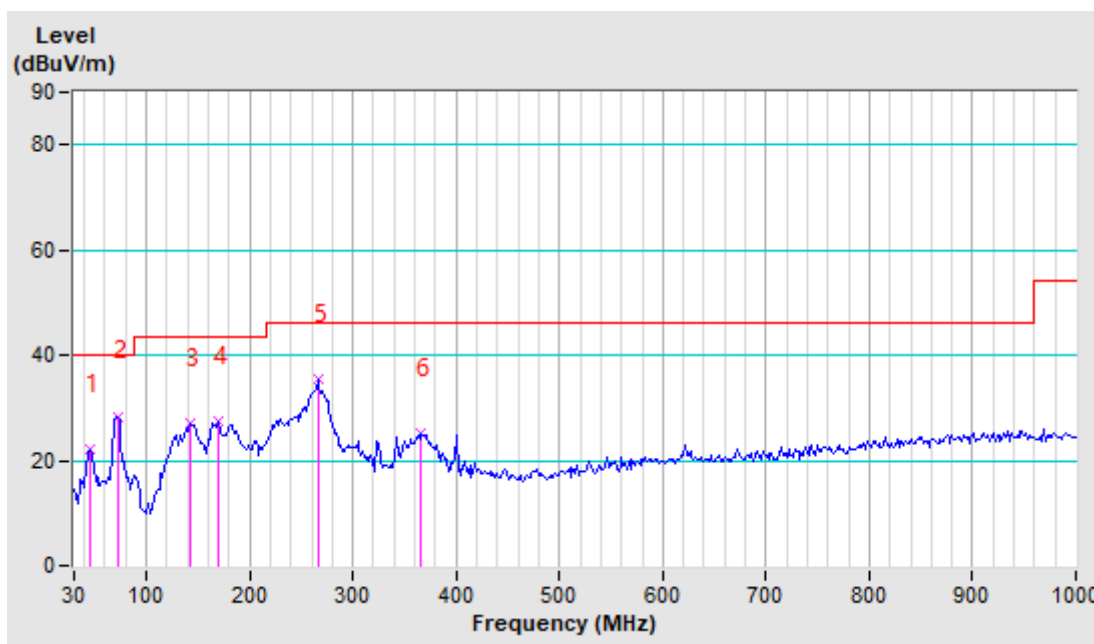
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.23510 AV	-11.72	53.07	41.35	100.18	-58.83	100	25
2	0.70970 QP	-11.72	40.22	28.50	70.88	-42.38	100	11
3	4.87700 QP	-11.73	29.75	18.02	69.54	-51.52	100	185
4	7.35020 QP	-11.62	29.13	17.51	69.54	-52.03	100	211
5	10.98610 QP	-11.56	29.77	18.21	69.54	-51.33	100	106
6	15.10110 QP	-11.48	28.64	17.16	69.54	-52.38	100	110



Test Mode	D	Frequency Range	30MHz ~ 1000MHz
Test Voltage	Powered by Adapter Input AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	25deg. C, 55% RH	Tested By	Jelly

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	46.17	-14.38	36.49	22.11	40.00	-17.89	100	245
2	72.03	-15.82	44.21	28.39	40.00	-11.61	100	14
3	141.55	-13.88	41.04	27.16	43.50	-16.34	100	254
4	170.65	-14.21	41.62	27.41	43.50	-16.09	100	224
5	266.03	-13.63	49.10	35.47	46.00	-10.53	100	51
6	366.27	-11.23	36.39	25.16	46.00	-20.84	100	144

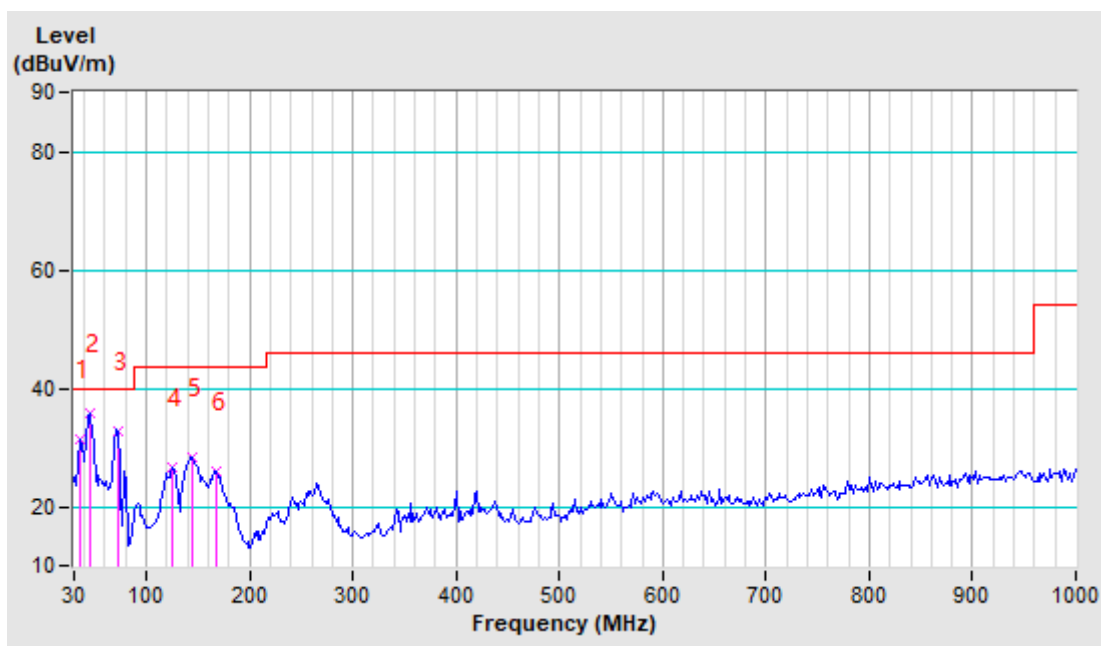
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions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



Test Mode	D	Frequency Range	30MHz ~ 1000MHz
Test Voltage	Powered by Adapter Input AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	25deg. C, 55% RH	Tested By	Jelly

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	34.85	-15.60	47.02	31.42	40.00	-8.58	100	34.85
2	44.55	-14.53	50.28	35.75	40.00	-4.25	100	44.55
3	72.03	-15.82	48.57	32.75	40.00	-7.25	100	72.03
4	125.38	-16.01	42.73	26.72	43.50	-16.78	100	125.38
5	144.78	-13.81	42.23	28.42	43.50	-15.08	100	144.78
6	167.42	-13.99	40.05	26.06	43.50	-17.44	100	167.42

- 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.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101564	Mar. 17,23
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	1519B-045	May 29,23
Amplifier	Burgeon	BPA-530	100210	Mar. 14,23
Test Software	ADT	ADT_Radiated_V 8.7.07	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 RF Oven room. (Chenwu)

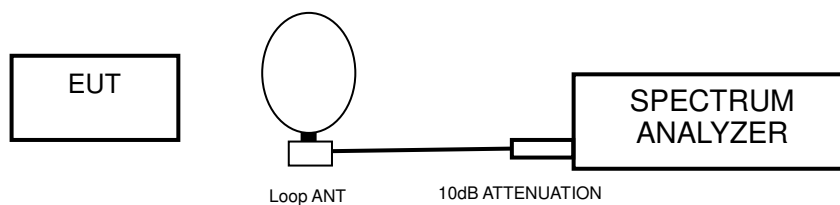
4.3.3 TEST PROCEDURE

- 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.

4.3.4 DEVIATION FROM TEST STANDARD

No deviation.

4.3.5 TEST SETUP



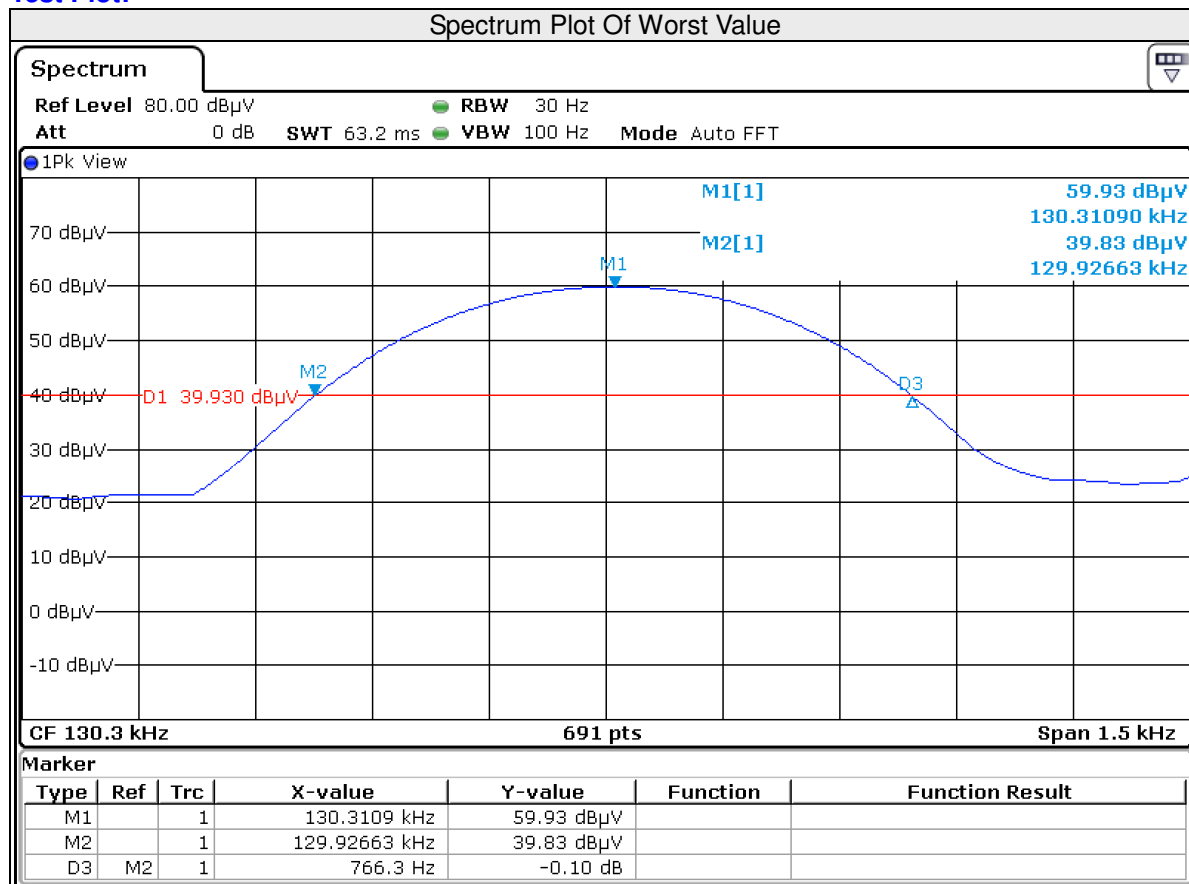
4.3.6 EUT OPERATING CONDITION

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

4.3.7 TEST RESULTS

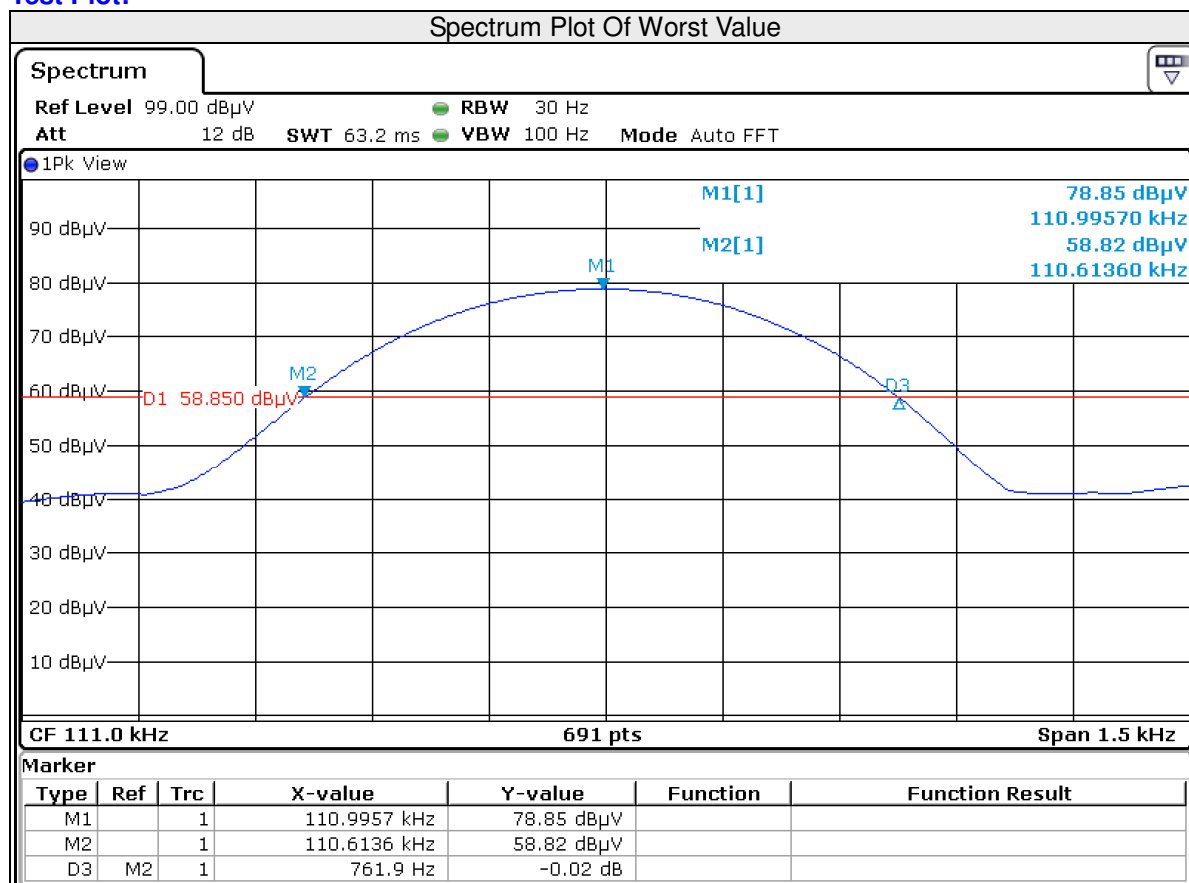
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
A	130.3	766.3

Test Plot:



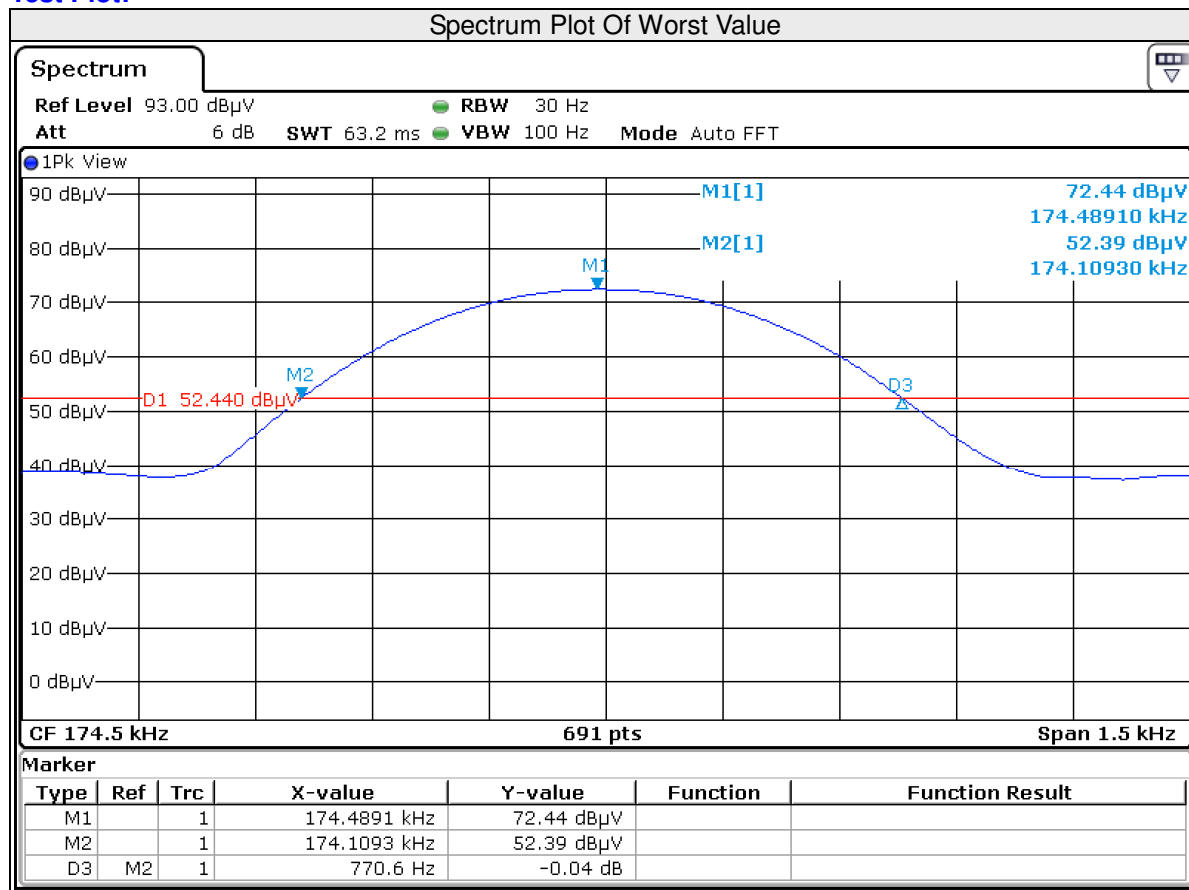
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
B	111.0	761.9

Test Plot:



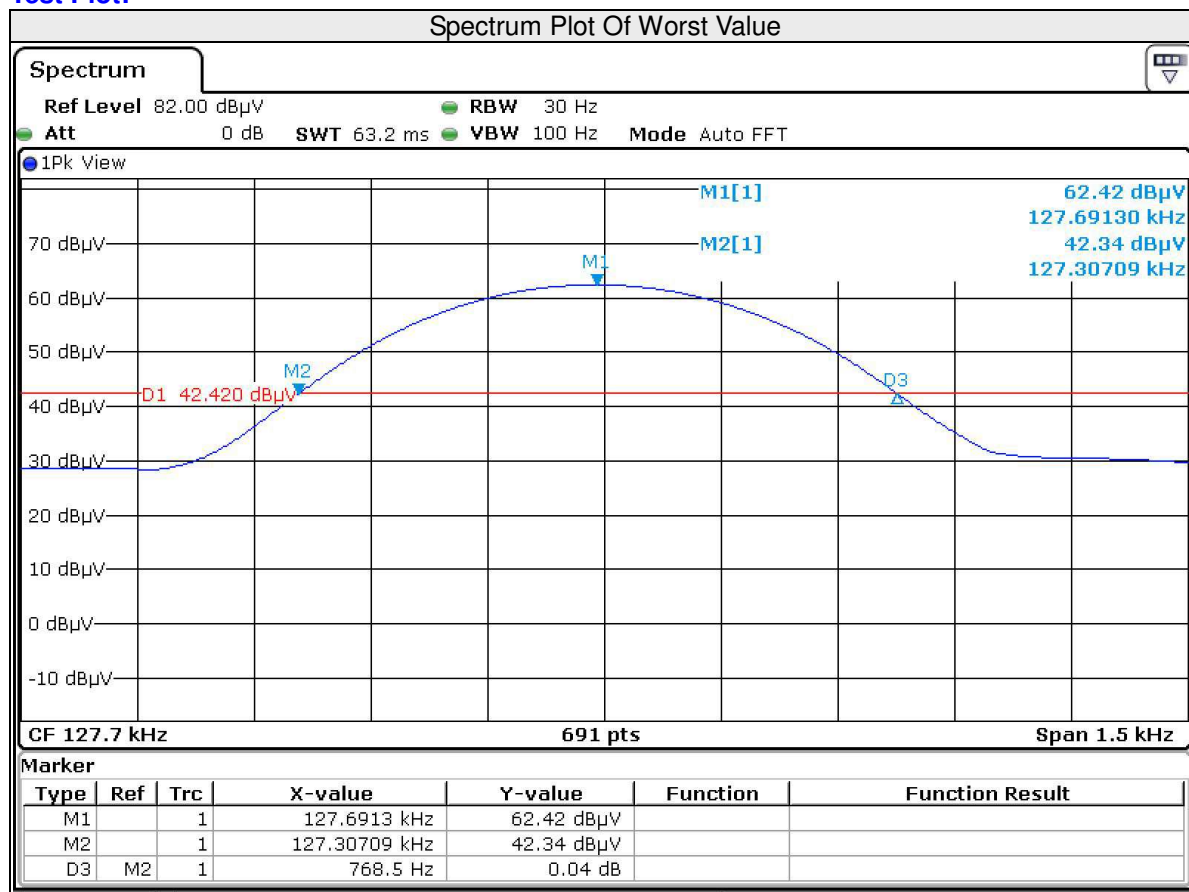
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
C	174.5	770.6

Test Plot:



Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
D	127.7	768.5

Test Plot:



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---