Certificate # 2951.01

TEST REPORT

Applicant	Belkin International, Inc.
Address	555 S. Aviation Blvd., Suite 180, El Segundo, CA 90245, USA

Manufacturer or Supplier	Belkin International, Inc.
Address	555 S. Aviation Blvd., Suite 180, El Segundo, CA 90245, USA
Product	BoostCharge Magnetic Wireless Charging Pad With Qi2
Brand Name	belkin
Model	WIA009
Additional Model & Model Difference	N/A
Date of tests	Apr, 11, 2024 ~ May 17, 2024

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 Eric Fang Project Engineer / EMC Department	Approved by Glyn He Assistant Manager/ EMC Department
	 Date: May 21, 2024

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF2404WDG0105	Original release	May 21, 2024

Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch

No. 96, Guantai Road (Houjie Section), Houjie Town, Dongguan City, Guangdong Province. 523942. People's Republic of China.

Tel: +86 769 8998 2098
Fax: +86 769 8593 1080
Email: customerservice.dg@bureauveritas.com

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	0.15MHz ~ 30MHz	3.36 dB
Radiated emissions	9KHz ~ 30MHz	2.16dB
	30MHz ~ 1GMHz	4.69 dB

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	BoostCharge Magnetic Wireless Charging Pad With Qi2
MODEL NO.	WIA009
ADDITIONAL MODE	N/A
SAMPLE STATUS	Engineering sample
FCC ID	K7SWIA009
POWER SUPPLY	DC 9V From Adapter
MODULATION TYPE	FSK
OPERATING FREQUENCY RANGE	127.7KHz & 360KHz
I/O PORTS	Coil Antenna
FIELD STRENGTH	63.35dBuV/m
MAXIMUM POWER OUTPUT FROM THE CHARGING COIL	Max Power is 15W
CABLE SUPPLIED	See note 4

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.: 2404WDG0105) for detailed product photo.
4. Product cable information as follows：

ID	Descriptions	Qty.	Length (m)	Shielding (Y/N)	Cores (Qty.)	Remark
1	USB-C to USB-C cable	1	1.5	Y	0	UTC-C-5FT-WH-01
	USB-C to USB-C cable	1	1.5	Y	0	UTC-C-5FT-BK-01

Remark: The cable comes in two colors: black and white.

5. Adapter information as follows：

20W USB-C PD Wall Charger With PPS	
MODEL NO.:	A784-120167C-US1
BRAND NAME:	N/A
INPUT:	100-240V~ 50/60Hz max. 0.5A
OUTPUT:	5.0V/3.0A, 9.0V/2.23A, 12.0V/1.67A 3.3-5.9V/3.0A 17.7W MAX 3.3-11.0V/2.2A 20.0W MAX

3.2 DESCRIPTION OF TEST MODES

The following test frequencies are provided to this EUT:

Operating Frequency Range(KHz)	Mode
-	Standby
127.7	AirPods Pro Case
360	iPhone 15 Pro

3.3 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE	APPLICABLE TO			DESCRIPTION
	RE<1G	PLC	20BW	
A	√	√	-	Standby
B	√	√	√	AirPods Pro Case
C	√	√	√	iPhone 15 Pro

Where **RE<1G:** Radiated Emission below 1GHz **PLC:** Power Line Conducted Emission

20BW: 20dB Bandwidth

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)	Modulation Type
A	-	-
B	127.7	FSK
C	360	FSK

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)	Modulation Type
A	-	-
B	127.7	FSK
C	360	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)	Modulation Type
A	127.7	FSK
B	360	FSK

TEST CONDITION:

Applicable to	Environmental conditions	Input Power	Tested by
RE<1G	25 ℃, 56% RH/27 ℃, 58% RH	AC 120V 60Hz	Albert/Jelly
PLC	25 ℃, 45RH	AC 120V 60Hz	Summer
20BW	24 ℃, 58% RH	AC 120V 60Hz	Jeffery

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.

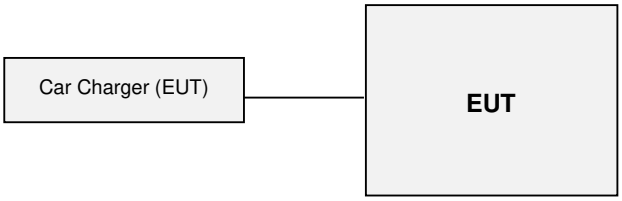
NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	iPhone 15 Pro	Apple	MTQ63CH/A	F43Q7N4Q4H	BCG-E8438A
2	AirPods Pro Charging Case	Apple	A2190	GXDGFE8W1059	N/A

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

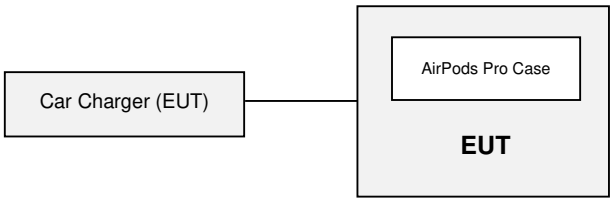
NOTE: All power cords of the above support units are non-shielded (1.8m).

3.5 CONFIGURATION OF SYSTEM UNDER TEST

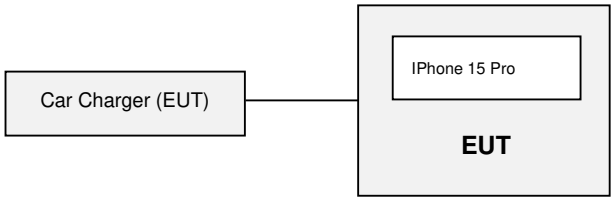
Test Mode A



Test Mode B



Test Mode C



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. 21,18	Mar. 20,19
Artificial Mains Network	Rohde&Schwarz	ENV216	101173	Mar. 03,18	Mar. 02,19
Artificial Mains Network	Rohde&Schwarz	ESH3-Z5	100317	Apr. 11,18	Apr. 10,19
Voltage probe	SCHWARZBECK	TK 9421	TK 9421-176	Jan. 17,18	Jan. 16,19
Test software	ADT	ADT_Cond _V7.3.7	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, GRGT/CHINA and NIM/CHINA.
2. The test was performed in shielding room 553.

4.1.3 TEST PROCEDURE

The basic test procedure was in accordance with ANSI C63.4:2014 (section 7).

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.

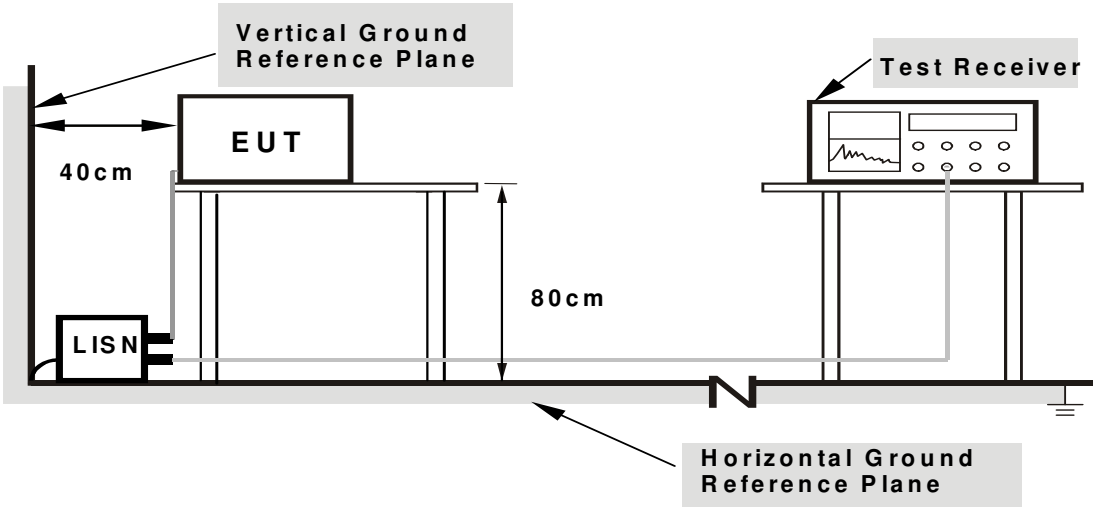
NOTE:

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. Turned on the power of all equipment.

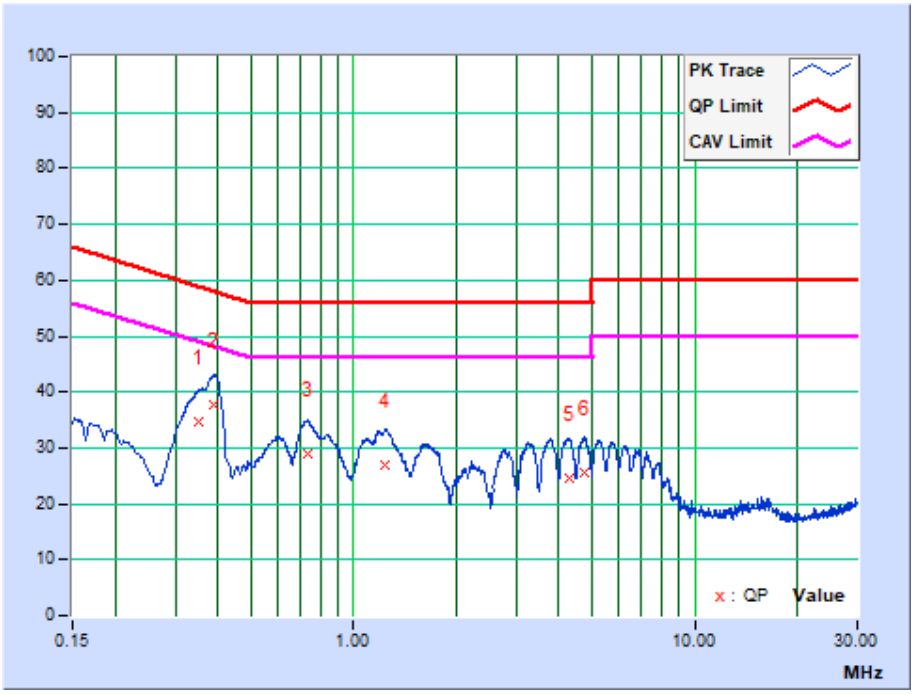
b. EUT was operated according to the type description in manufacturer's specifications or the User's Manual.

4.1.7 TEST RESULTS

TEST MODE	Mode A	**6DB BANDWIDTH**	9 kHz
TEST VOLTAGE	AC 120V 60Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	25deg. C, 45% RH	**TESTED BY**	Summer

No.	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.35347	9.76	24.98	12.28	34.74	22.04	58.88	48.88	-24.14	-26.84
2	0.38769	9.78	27.85	14.64	37.63	24.42	58.11	48.11	-20.49	-23.70
3	0.73500	9.83	18.99	6.87	28.82	16.70	56.00	46.00	-27.18	-29.30
4	1.24214	9.85	17.23	5.41	27.08	15.26	56.00	46.00	-28.92	-30.74
5	4.28512	10.01	14.61	3.69	24.62	13.70	56.00	46.00	-31.38	-32.30
6	4.77600	10.03	15.44	4.36	25.47	14.39	56.00	46.00	-30.53	-31.61

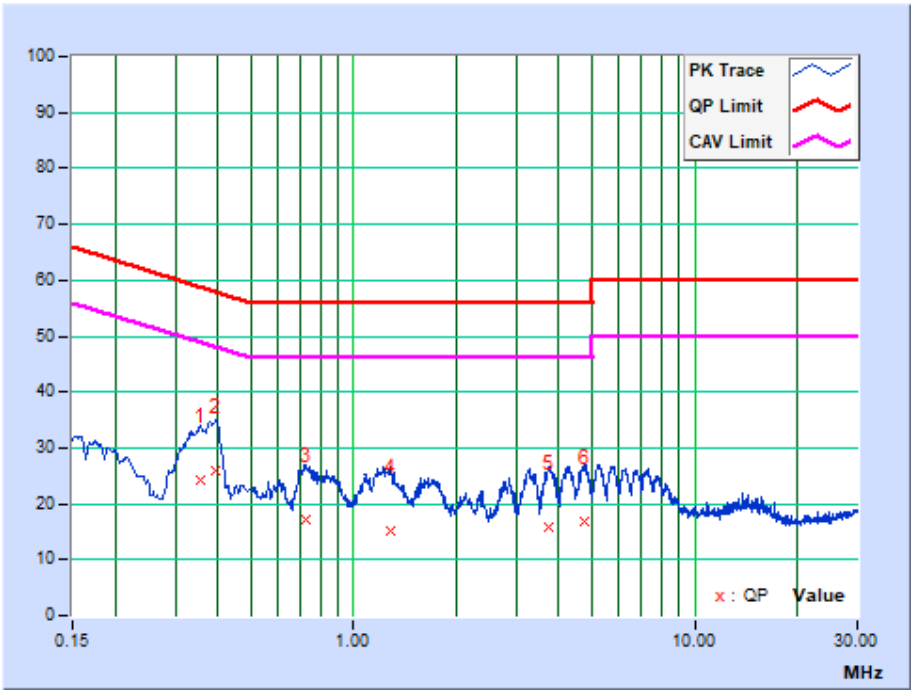
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	Mode A	**6DB BANDWIDTH**	9 kHz
TEST VOLTAGE	AC 120V 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	25deg. C, 45% RH	**TESTED BY**	Summer

No.	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.35440	9.39	14.71	1.12	24.10	10.51	58.86	48.86	-34.76	-38.35
2	0.39492	9.40	16.52	3.28	25.92	12.68	57.96	47.96	-32.04	-35.28
3	0.72485	9.43	7.83	-2.73	17.26	6.70	56.00	46.00	-38.74	-39.30
4	1.28891	9.49	5.58	-4.28	15.07	5.21	56.00	46.00	-40.93	-40.79
5	3.72553	9.64	6.15	-1.68	15.79	7.96	56.00	46.00	-40.21	-38.04
6	4.74225	9.69	7.28	-0.79	16.97	8.90	56.00	46.00	-39.03	-37.10

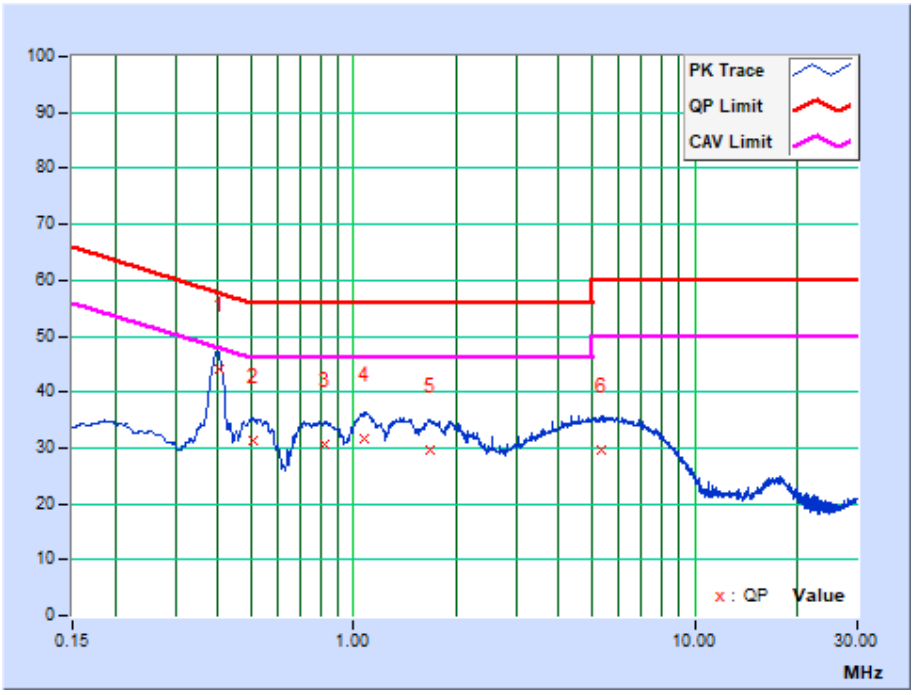
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	Mode B	**6DB BANDWIDTH**	9 kHz
TEST VOLTAGE	AC 120V 60Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	25deg. C, 45% RH	**TESTED BY**	Summer

No.	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.40200	9.78	34.30	24.26	44.08	34.04	57.81	47.81	-13.73	-13.77
2	0.50617	9.80	21.57	13.34	31.37	23.14	56.00	46.00	-24.63	-22.86
3	0.82496	9.83	20.75	12.29	30.58	22.12	56.00	46.00	-25.42	-23.88
4	1.07993	9.84	21.96	13.66	31.80	23.50	56.00	46.00	-24.20	-22.50
5	1.67100	9.90	19.77	12.04	29.67	21.94	56.00	46.00	-26.33	-24.06
6	5.36100	10.06	19.70	11.50	29.76	21.56	60.00	50.00	-30.24	-28.44

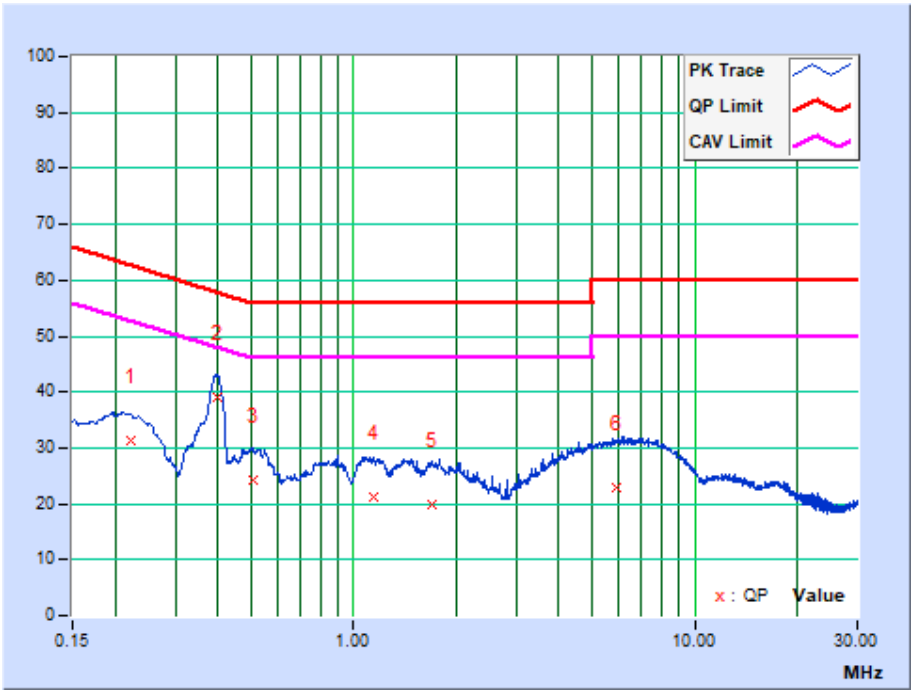
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	Mode B	**6DB BANDWIDTH**	9 kHz
TEST VOLTAGE	AC 120V 60Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	25deg. C, 45% RH	**TESTED BY**	Summer

No.	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.22200	9.39	21.82	3.66	31.21	13.05	62.74	52.74	-31.53	-39.69
2	0.39701	9.40	29.51	15.04	38.91	24.44	57.92	47.92	-19.01	-23.48
3	0.50550	9.42	14.94	3.82	24.36	13.24	56.00	46.00	-31.64	-32.76
4	1.14452	9.47	11.70	2.22	21.17	11.69	56.00	46.00	-34.83	-34.31
5	1.69173	9.52	10.43	2.25	19.95	11.77	56.00	46.00	-36.05	-34.23
6	5.88525	9.75	13.26	6.71	23.01	16.46	60.00	50.00	-36.99	-33.54

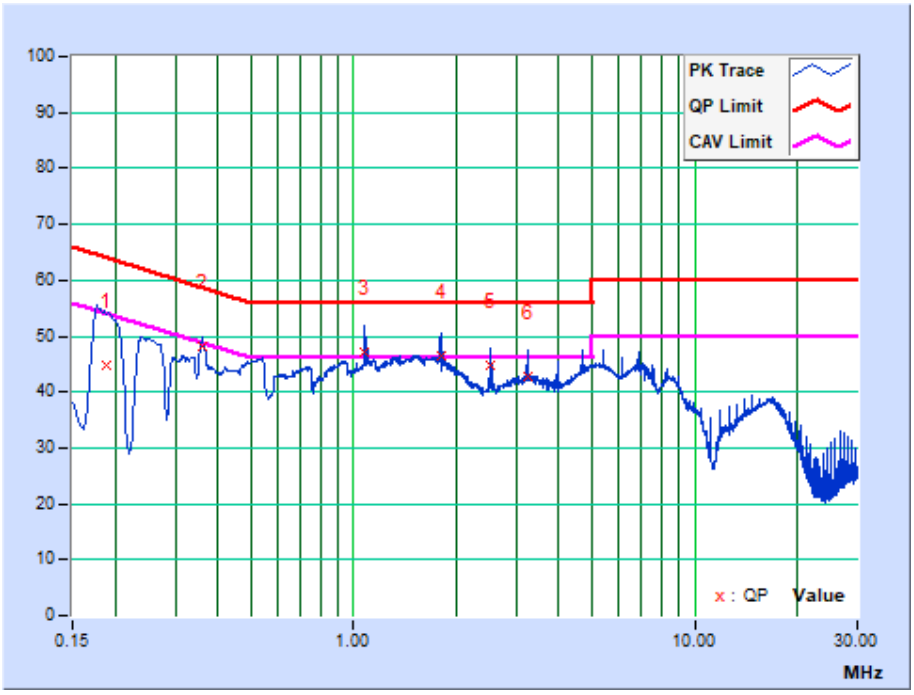
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	Mode C	**6DB BANDWIDTH**	9 kHz
TEST VOLTAGE	AC 120V 60Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	25deg. C, 45% RH	**TESTED BY**	Summer

No.	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.18905	9.71	34.91	17.95	44.62	27.66	64.08	54.08	-19.46	-26.42
2	0.35911	9.76	38.41	32.69	48.17	42.45	58.75	48.75	-10.58	-6.30
3	1.07925	9.84	37.17	32.19	47.01	42.03	56.00	46.00	-8.99	-3.97
4	1.79925	9.91	36.52	31.22	46.43	41.13	56.00	46.00	-9.57	-4.87
5	2.51925	9.95	34.72	29.90	44.67	39.85	56.00	46.00	-11.33	-6.15
6	3.23903	9.98	32.70	27.81	42.68	37.79	56.00	46.00	-13.32	-8.21

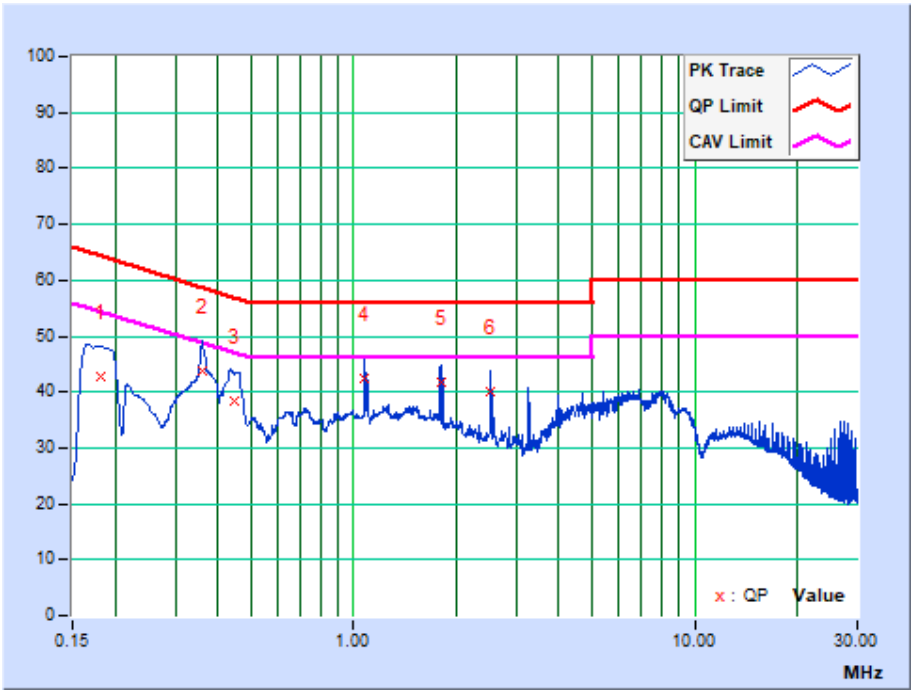
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	Mode C	**6DB BANDWIDTH**	9 kHz
TEST VOLTAGE	AC 120V 60Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	25deg. C, 45% RH	**TESTED BY**	Summer

No.	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.18076	9.41	33.37	10.69	42.78	20.10	64.45	54.45	-21.67	-34.35
2	0.35911	9.39	34.50	29.20	43.89	38.59	58.75	48.75	-14.86	-10.16
3	0.44828	9.42	29.10	11.68	38.52	21.10	56.91	46.91	-18.39	-25.81
4	1.07925	9.47	32.88	28.88	42.35	38.35	56.00	46.00	-13.65	-7.65
5	1.79925	9.53	32.07	28.12	41.60	37.65	56.00	46.00	-14.40	-8.35
6	2.51925	9.58	30.49	26.76	40.07	36.34	56.00	46.00	-15.93	-9.66

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



4.2 ADIATED 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. 02, 25
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	1519B-045	Apr. 13, 25
Amplifier	Burgeon	BPA-530	100210	Feb. 21 25
Coaxial RF Cable	/	/	/	Jul. 06, 24
Test Software	ADT	ADT_Radiated_V8.7.07	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.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESU26	100005	Apr. 13, 25
EMI Test Receiver	Rohde&Schwarz	ESR7	101564	Jan. 02, 25
Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	01281	Jun. 19, 24
Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	01282	Aug. 21, 24
Preamplifier	EMCI	EMC1135	980378	Mar. 06, 25
Preamplifier	EMCI	EMC1135	980423	Mar. 06, 25
10m Semi-anechoic Chamber	CHANGLING	21.4m*12.1m*8.8m	NSEMC006	May 20, 24
Coaxial RF Cable	/	10m Below 1GHz	C2310084DG	Dec. 27, 24
Coaxial RF Cable	/	10m Below 1GHz	C2310085DG	Jul. 06, 24
Test Software	ADT	ADT_Radiated_V8.7.07	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 1.3 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 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:

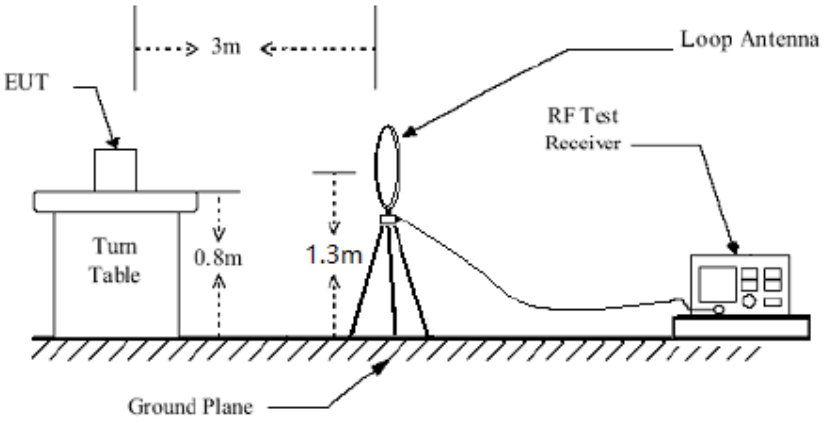
1. The resolution bandwidth of test receiver/spectrum analyzer is 200Hz for Quasi-peak detection (QP/AV) at fundamental frequency 9K-150KHz;
2. The resolution bandwidth of test receiver/spectrum analyzer is 9KHz for Quasi-peak detection (QP/AV) at fundamental frequency 150K-30MHz;
3. The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at radiated spurious emission frequency 30MHz-1GHz.

4.2.4 DEVIATION FROM TEST STANDARD

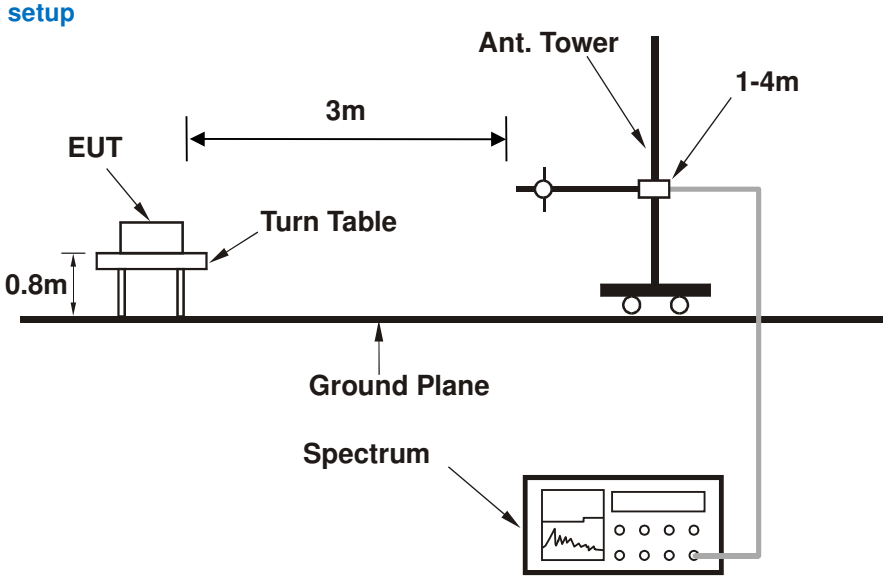
No deviation.

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

a. Turn on the EUT.

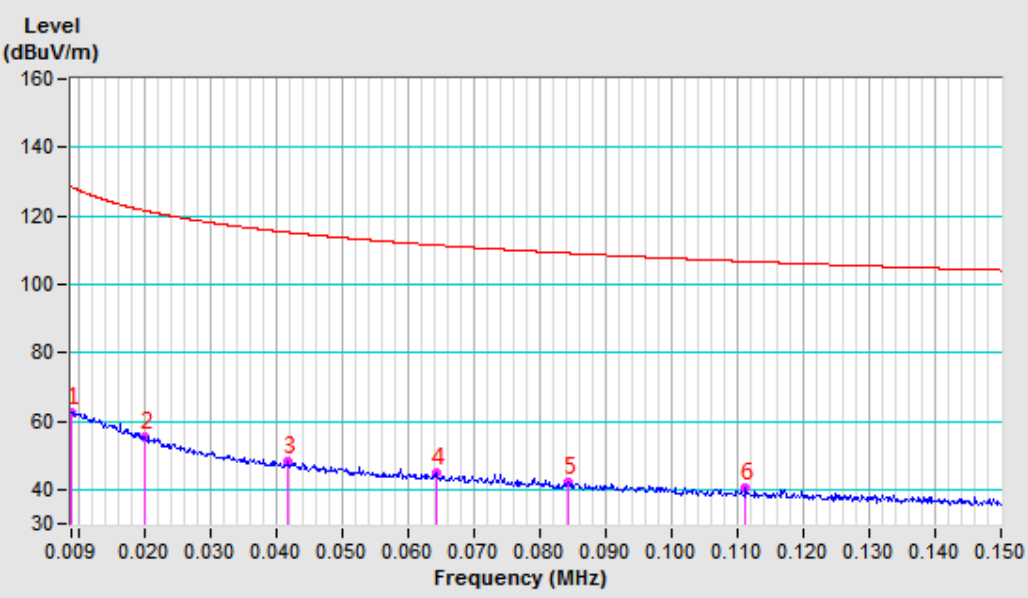
b. The EUT tested in charging mode and standby mode respectively.

4.2.7 TEST RESULTS

Standby Mode

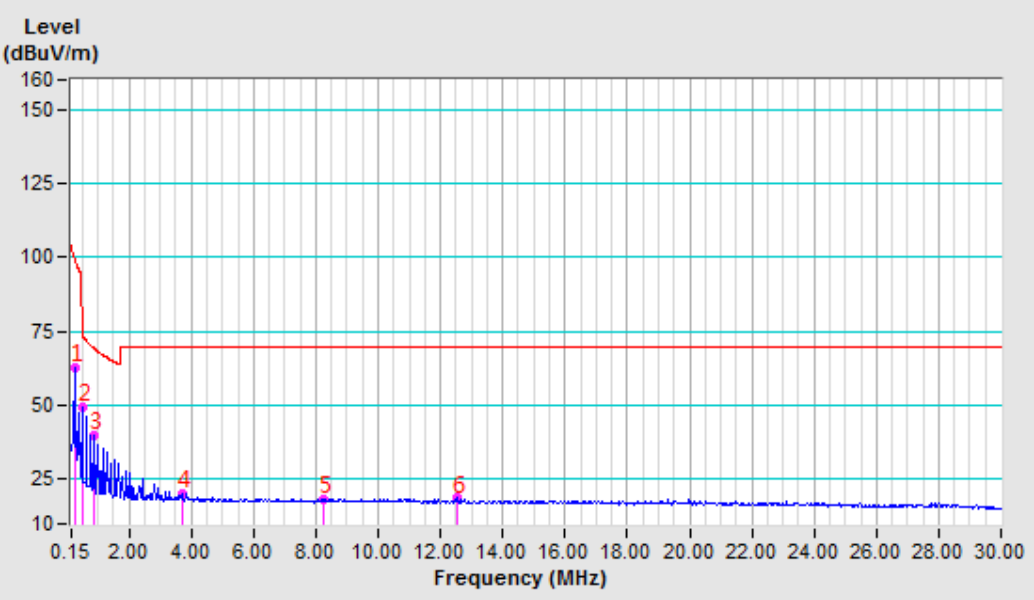
Test Mode	A	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

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	0.0090AV	-13.40	75.85	62.45	128.51	-66.06	100	254
2	0.0201AV	-15.46	70.79	55.33	121.54	-66.21	100	129
3	0.0419AV	-17.36	65.41	48.05	115.15	-67.10	100	15
4	0.0644 AV	-17.16	61.77	44.61	111.43	-66.82	100	239
5	0.0843 AV	-16.99	59.20	42.21	109.09	-66.88	100	49
6	0.1112AV	-17.07	57.35	40.28	106.68	-66.40	100	202



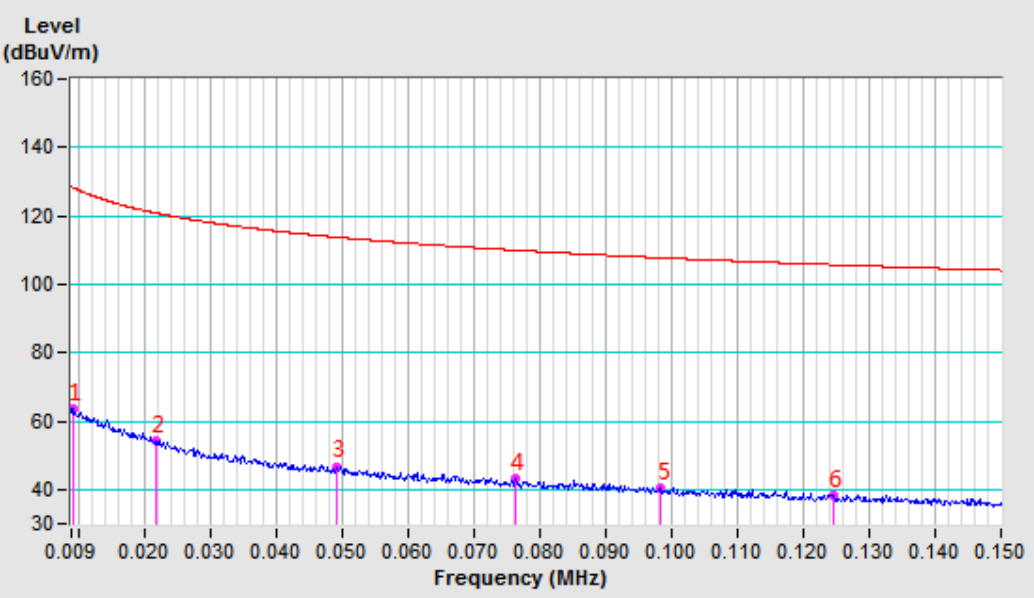
Test Mode	A	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

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	0.1575 AV	-17.08	67.09	50.01	103.66	-53.65	100	200
2	3.0217QP	-16.61	42.59	25.98	69.54	-43.56	100	301
3	8.1099QP	-16.69	34.82	18.13	69.54	-51.41	100	232
4	11.8279QP	-16.97	33.60	16.63	69.54	-52.91	100	252
5	15.8190QP	-17.54	34.18	16.64	69.54	-52.90	100	71
6	20.4251QP	-17.71	33.39	15.68	69.54	-53.86	100	261



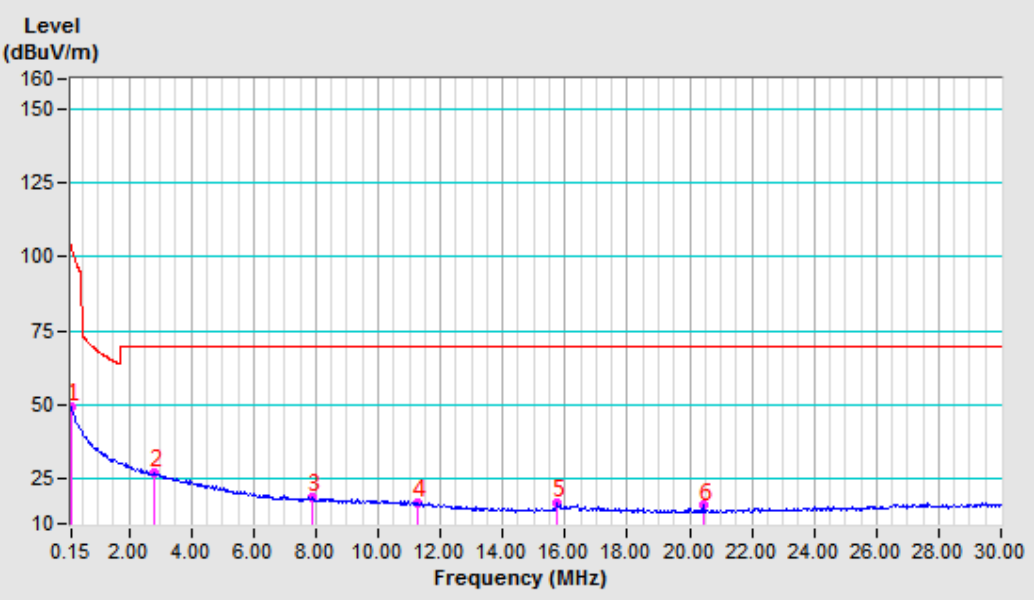
Test Mode	A	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

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	0.0093AV	-13.46	77.01	63.55	128.20	-64.65	100	52
2	0.0218 AV	-15.78	69.96	54.18	120.83	-66.65	100	59
3	0.0493AV	-17.38	64.16	46.78	113.74	-66.96	100	318
4	0.0764AV	-17.04	60.38	43.34	109.94	-66.60	100	116
5	0.0985QP	-17.05	57.59	40.54	107.74	-67.20	100	72
6	0.1245AV	-17.07	55.48	38.41	105.70	-67.29	100	333



Test Mode	A	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

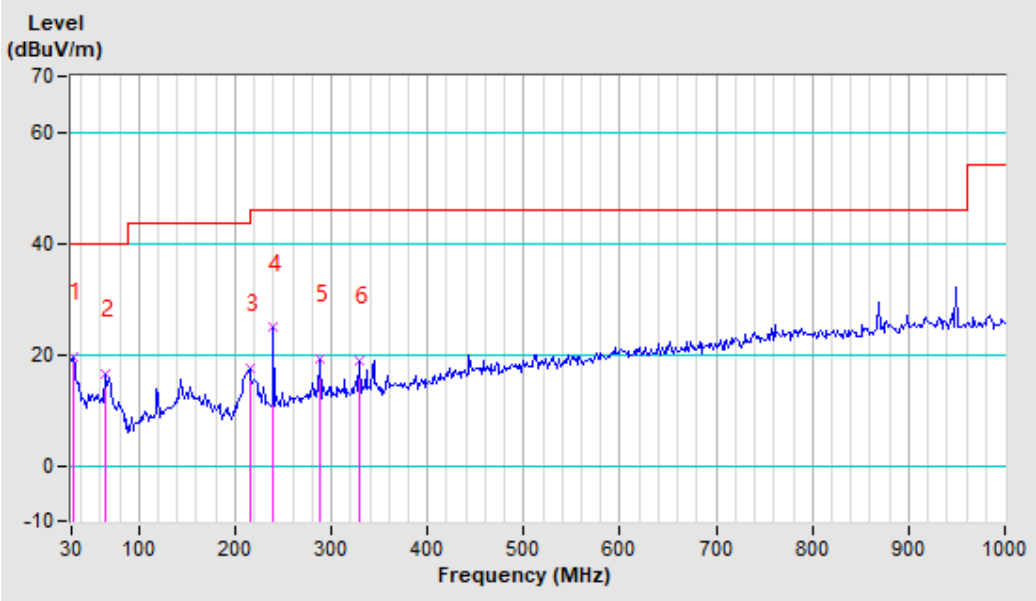
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.1530QP	-17.08	66.80	49.72	103.91	-54.19	100	43
2	2.8083AV	-16.61	44.04	27.43	69.54	-42.11	100	300
3	7.8815AV	-16.70	35.64	18.94	69.54	-50.60	100	200
4	11.2876AV	-16.87	34.18	17.31	69.54	-52.23	100	95
5	15.7653AV	-17.53	34.45	16.92	69.54	-52.62	100	342
6	20.4266AV	-17.71	33.77	16.06	69.54	-53.48	100	192



Test Mode	A	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	27deg. C, 58% 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	31.55	-19.26	38.90	19.64	40.00	-20.36	100	33
2	65.75	-18.67	35.15	16.48	40.00	-23.52	100	1
3	214.98	-19.32	36.93	17.61	43.50	-25.89	100	0
4	239.86	-18.14	42.90	24.76	46.00	-21.24	100	56
5	288.04	-16.26	35.33	19.07	46.00	-26.93	100	0
6	328.46	-15.20	34.13	18.93	46.00	-27.07	100	0

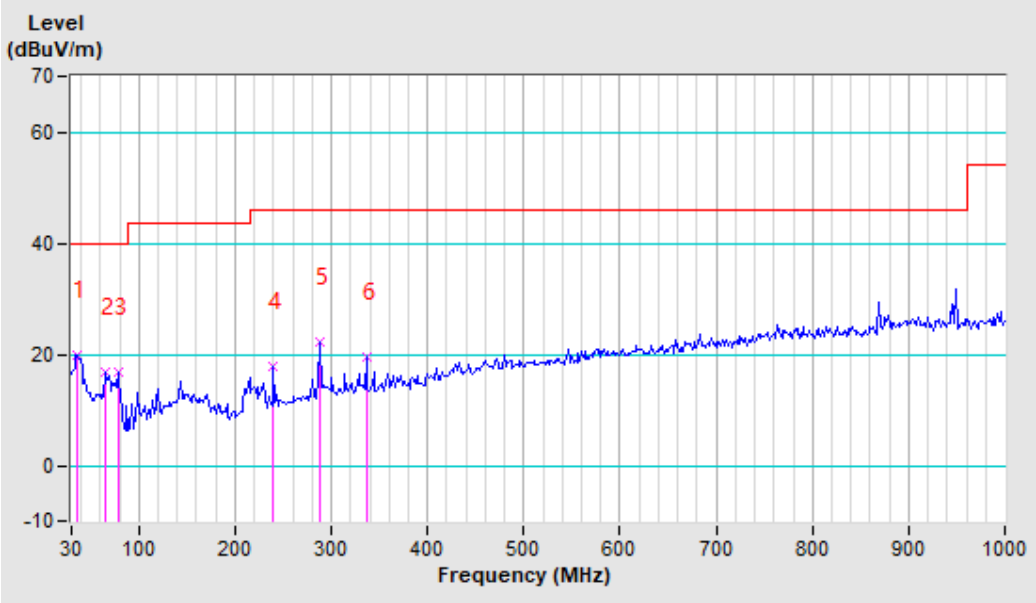
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions 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	27deg. C, 58% 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	36.22	-19.07	39.07	20.00	40.00	-20.00	100	110
2	65.75	-18.67	35.50	16.83	40.00	-23.17	100	268
3	78.19	-22.04	38.84	16.80	40.00	-23.20	100	197
4	239.86	-18.14	35.86	17.72	46.00	-28.28	100	0
5	288.04	-16.26	38.42	22.16	46.00	-23.84	100	25
6	336.23	-15.03	34.48	19.45	46.00	-26.55	100	11

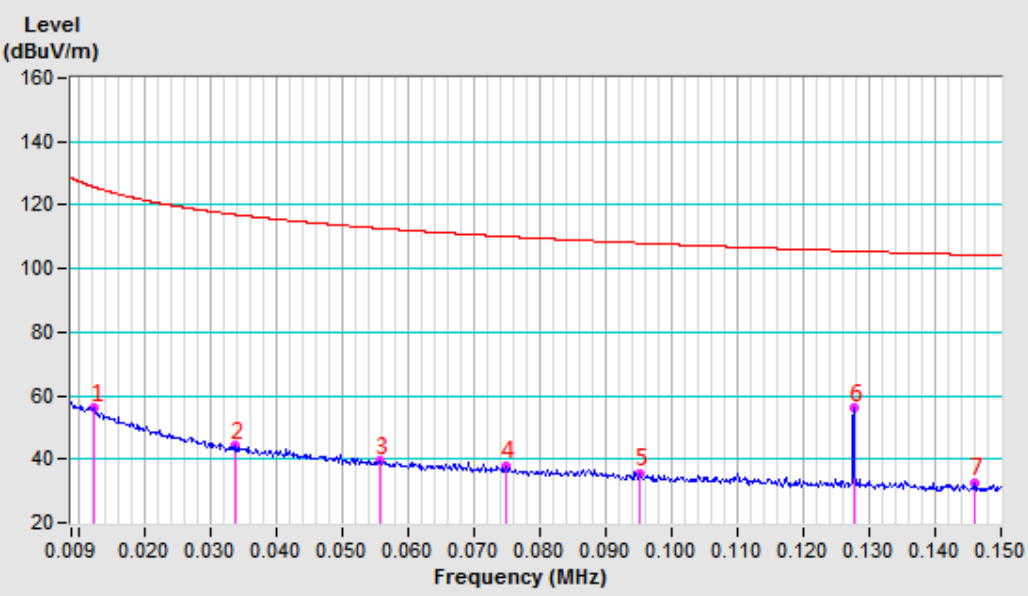
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions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



Charging Mode

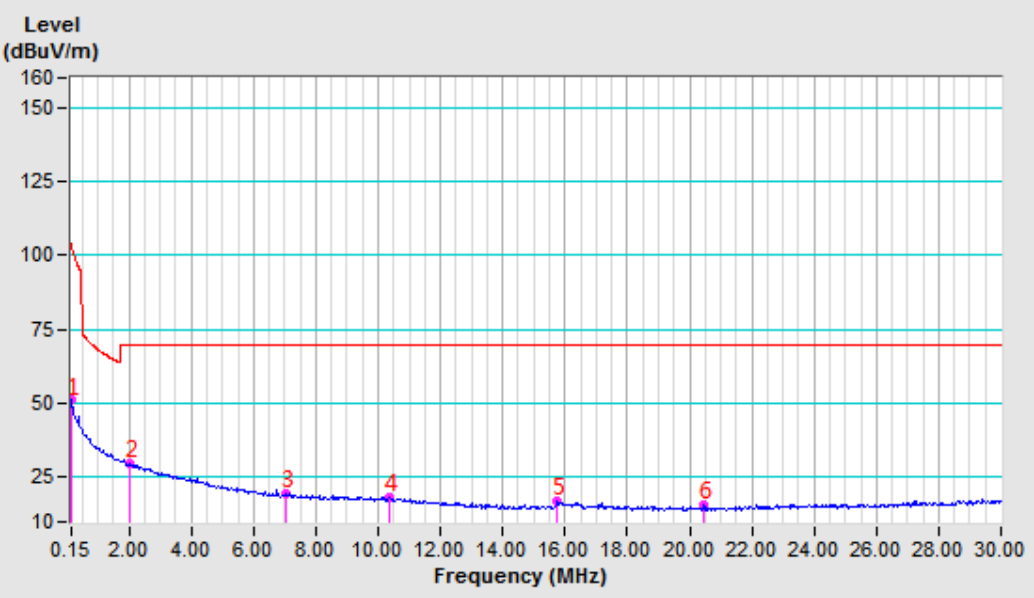
Test Mode	B	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

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	0.0126AV	-14.06	70.01	55.95	125.62	-69.67	100	146
2	0.0337AV	-17.32	61.49	44.17	117.04	-72.87	100	9
3	0.0558AV	-17.28	56.84	39.56	112.68	-73.12	100	49
4	0.0750AV	-17.06	54.90	37.84	110.11	-72.27	100	59
5	0.0951QP	-17.02	52.54	35.52	108.04	-72.52	100	50
6	0.1277AV	-17.08	73.20	56.12	105.48	-49.36	100	52
7	0.1459AV	-17.08	49.81	32.73	104.32	-71.59	100	88



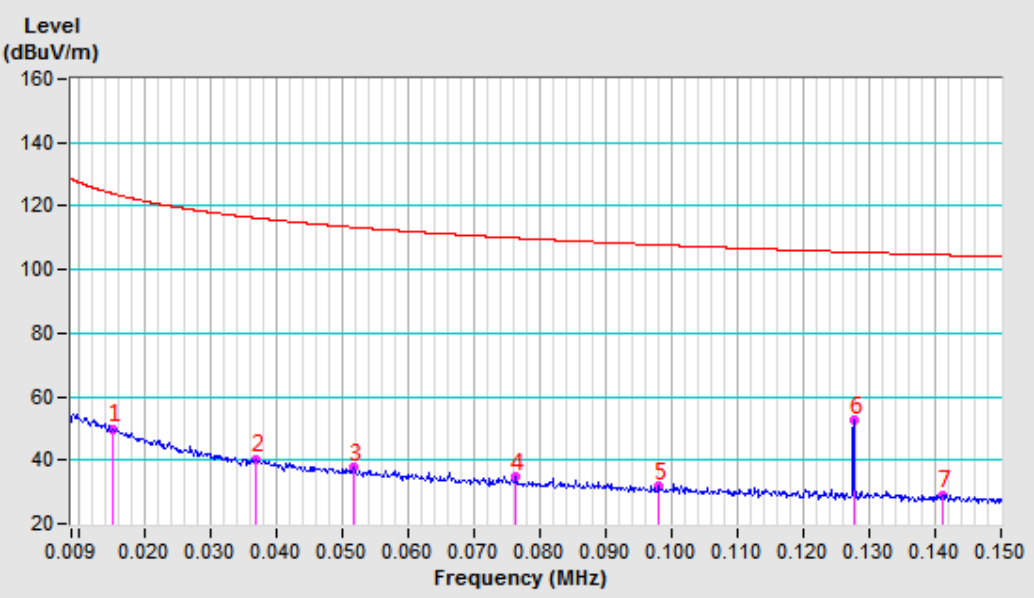
Test Mode	B	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

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	0.1590AV	-17.08	68.08	51.00	103.58	-52.58	100	80
2	2.0097QP	-16.62	46.14	29.52	69.54	-40.02	100	242
3	7.0084QP	-16.74	36.22	19.48	69.54	-50.06	100	298
4	10.3607QP	-16.72	35.11	18.39	69.54	-51.15	100	333
5	15.7519QP	-17.53	34.42	16.89	69.54	-52.65	100	238
6	20.4251QP	-17.71	33.29	15.58	69.54	-53.96	100	325



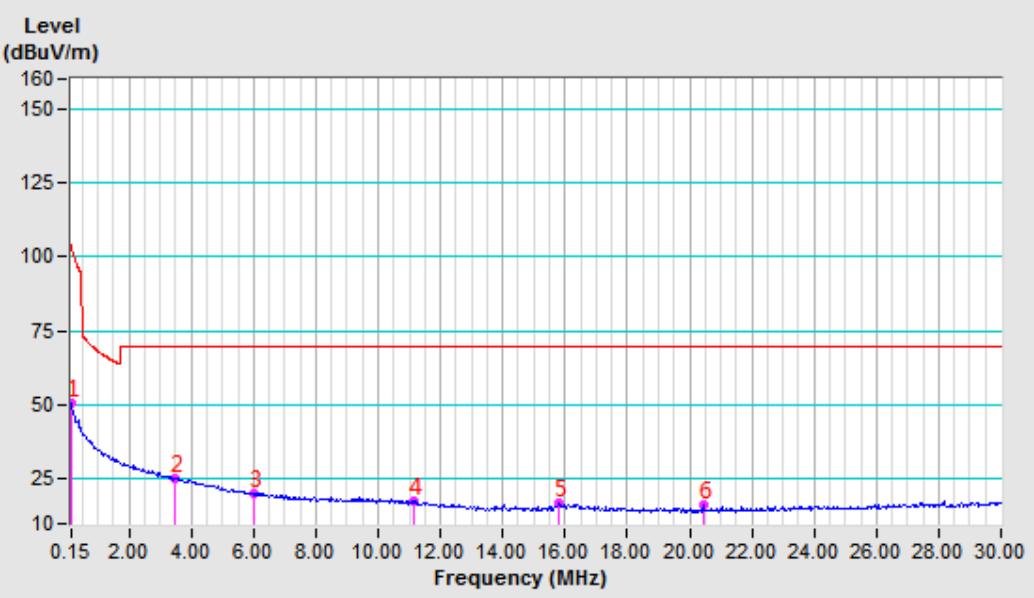
Test Mode	B	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

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	0.0154AV	-14.59	64.40	49.81	123.86	-74.05	100	360
2	0.0369 AV	-17.33	57.71	40.38	116.26	-75.88	100	311
3	0.0519AV	-17.35	54.92	37.57	113.31	-75.74	100	360
4	0.0764AV	-17.04	51.76	34.72	109.94	-75.22	100	360
5	0.0980QP	-17.05	48.73	31.68	107.77	-76.09	100	297
6	0.1277AV	-17.08	69.58	52.50	105.48	-52.98	100	360



Test Mode	B	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

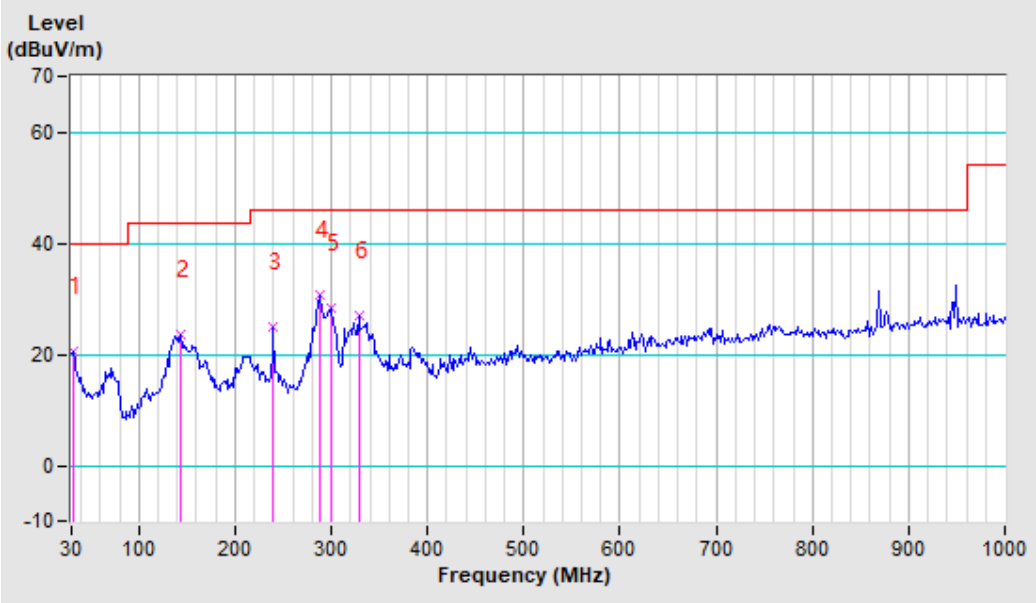
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.1619AV	-17.08	67.75	50.67	103.41	-52.74	100	78
2	3.4814QP	-16.65	41.94	25.29	69.54	-44.25	100	38
3	5.9934QP	-16.74	37.12	20.38	69.54	-49.16	100	78
4	11.1189QP	-16.86	34.58	17.72	69.54	-51.82	100	360
5	15.8071QP	-17.53	34.66	17.13	69.54	-52.41	100	207
6	20.4266QP	-17.71	34.16	16.45	69.54	-53.09	100	26



Test Mode	B	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	27deg. C, 58% 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	31.55	-19.26	39.85	20.59	40.00	-19.41	100	14
2	143.48	-17.35	40.83	23.48	43.50	-20.02	100	42
3	239.86	-18.14	43.08	24.94	46.00	-21.06	100	154
4	288.04	-16.26	46.96	30.70	46.00	-15.30	100	267
5	298.93	-15.86	44.30	28.44	46.00	-17.56	100	79
6	328.46	-15.20	42.13	26.93	46.00	-19.07	100	21

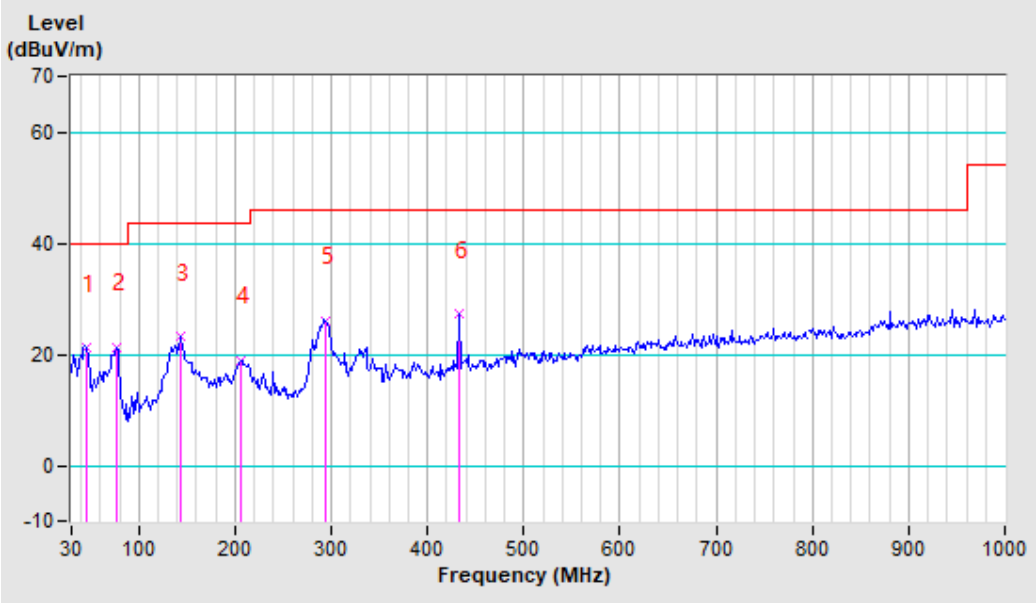
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions 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	27deg. C, 58% RH	Tested By	Jelly

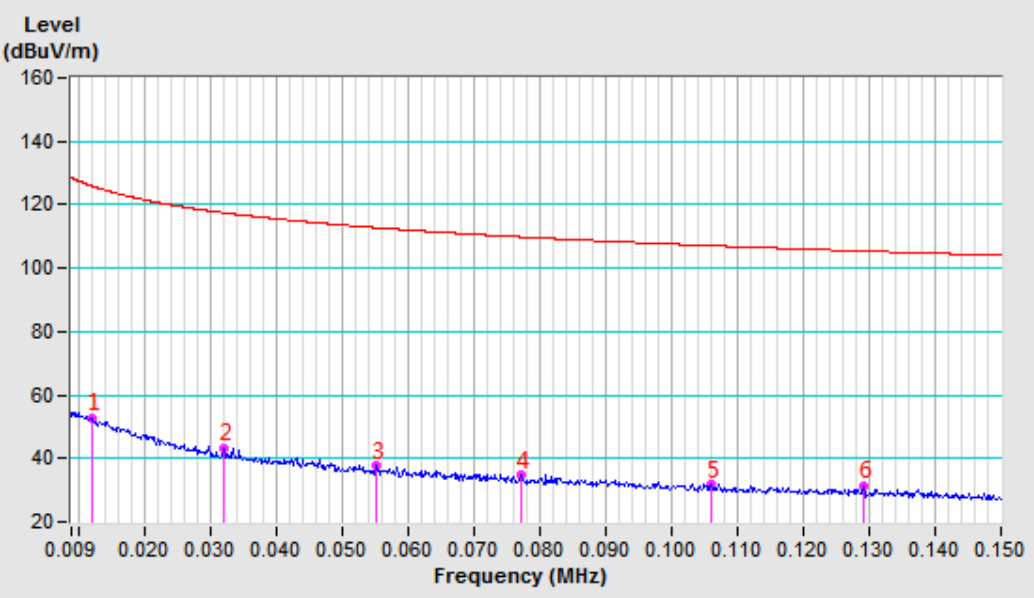
Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	45.54	-18.09	39.18	21.09	40.00	-18.91	100	101
2	76.63	-21.59	42.70	21.11	40.00	-18.89	100	306
3	143.48	-17.35	40.41	23.06	43.50	-20.44	100	17
4	205.66	-19.77	38.75	18.98	43.50	-24.52	100	285
5	294.26	-16.03	42.06	26.03	46.00	-19.97	100	72
6	432.61	-12.11	39.31	27.20	46.00	-18.80	100	36

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.



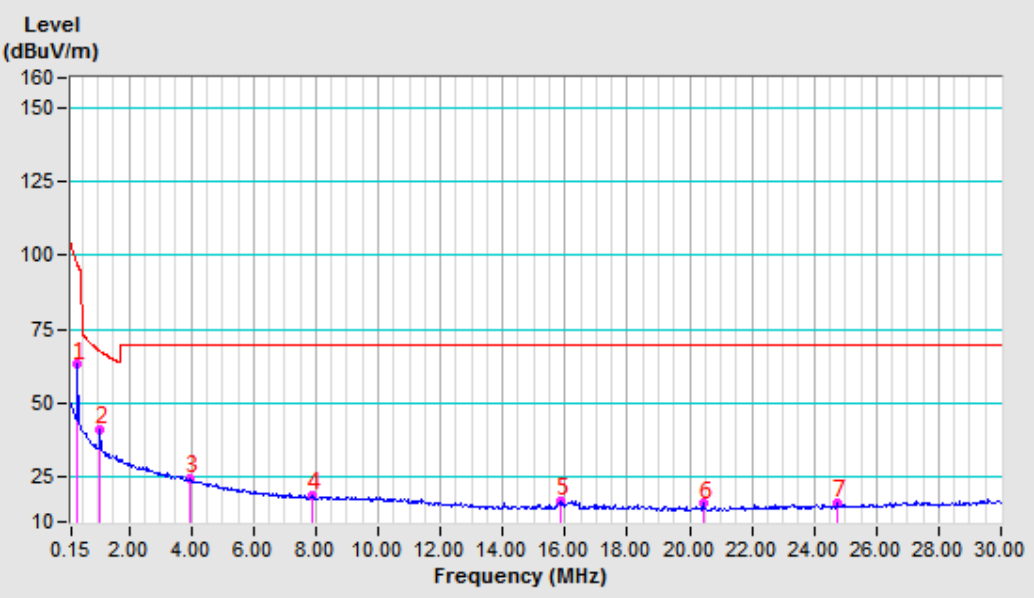
Test Mode	C	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

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	0.0121AV	-13.97	66.76	52.79	125.97	-73.18	100	221
2	0.0322AV	-17.31	60.52	43.21	117.46	-74.25	100	299
3	0.0553AV	-17.29	55.01	37.72	112.75	-75.03	100	334
4	0.0773AV	-17.03	51.87	34.84	109.84	-75.00	100	342
5	0.1060QP	-17.07	48.82	31.75	107.10	-75.35	100	252
6	0.1291AV	-17.08	48.41	31.33	105.38	-74.05	100	219



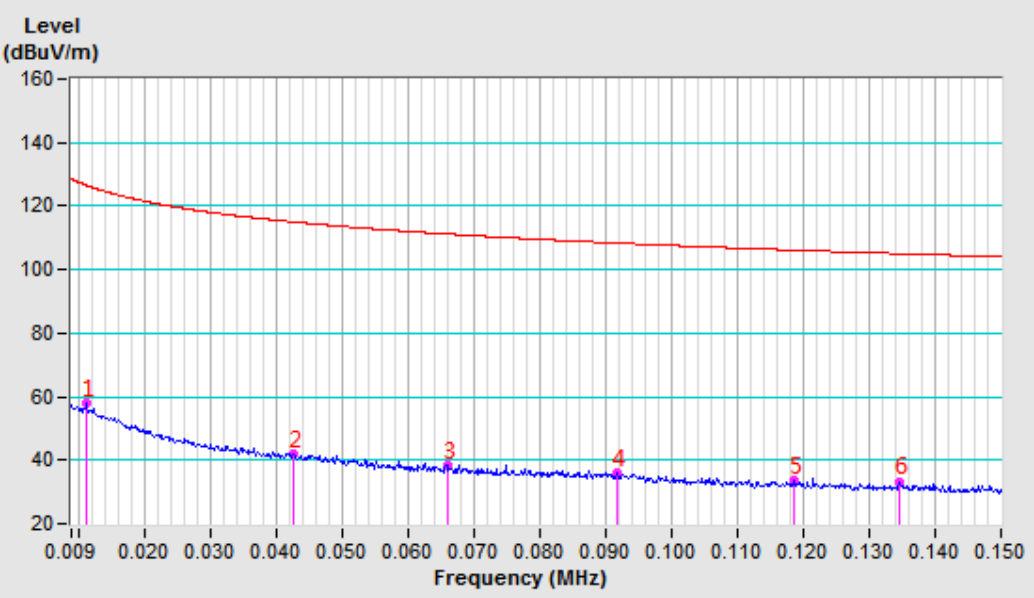
Test Mode	C	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

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	0.3590AV	-16.85	79.97	63.12	96.50	-33.38	100	184
2	1.0784QP	-16.73	57.90	41.17	67.58	-26.41	100	171
3	3.9561QP	-16.68	41.43	24.75	69.54	-44.79	100	184
4	7.8860QP	-16.70	35.39	18.69	69.54	-50.85	100	66
5	15.8370QP	-17.54	34.40	16.86	69.54	-52.68	100	276
6	20.4251QP	-17.71	33.82	16.11	69.54	-53.43	100	91



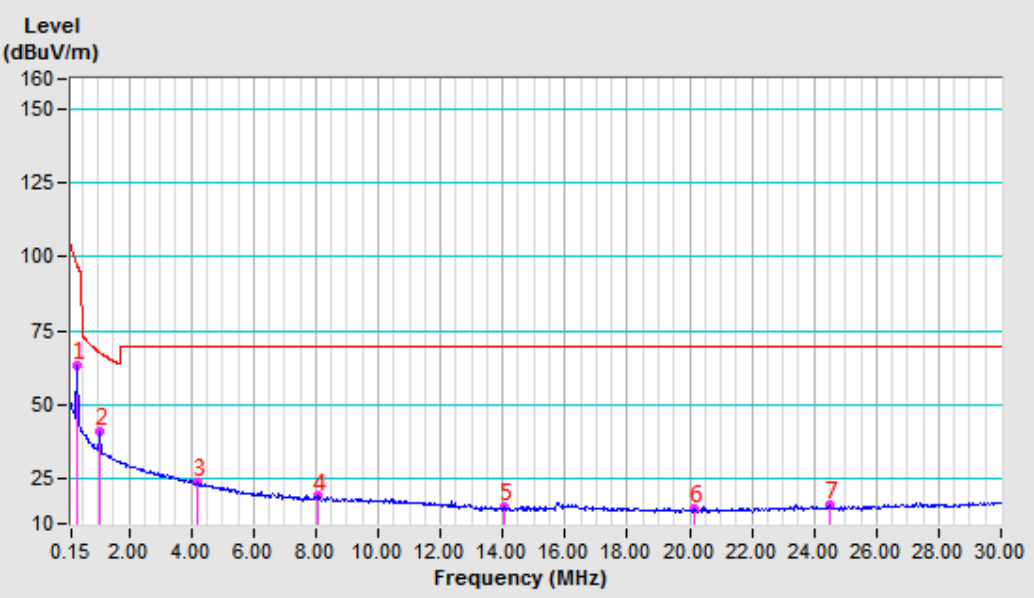
Test Mode	C	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

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	0.0113AV	-13.83	71.51	57.68	126.52	-68.84	100	9
2	0.0426AV	-17.35	59.25	41.90	115.01	-73.11	100	9
3	0.0660AV	-17.14	55.57	38.43	111.22	-72.79	100	54
4	0.0917QP	-16.98	52.74	35.76	108.35	-72.59	100	177
5	0.1187AV	-17.07	50.67	33.60	106.11	-72.51	100	44
6	0.1345AV	-17.08	50.41	33.33	105.02	-71.69	100	68



Test Mode	C	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

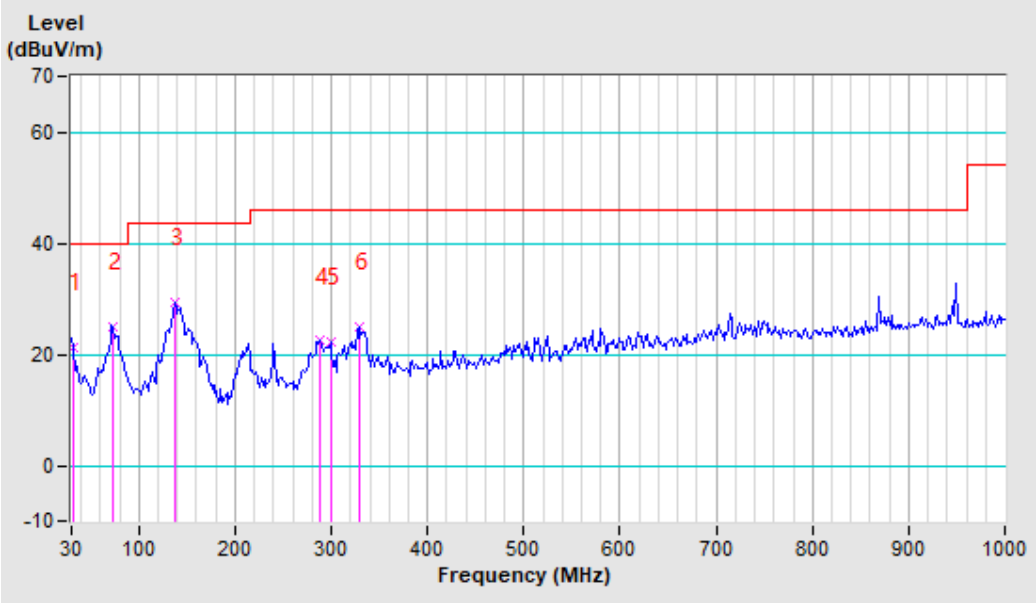
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.3590AV	-16.85	80.20	63.35	96.50	-33.15	100	188
2	1.0784QP	-16.73	57.86	41.13	67.58	-26.45	100	188
3	4.1979QP	-16.69	40.54	23.85	69.54	-45.69	100	349
4	8.0547QP	-16.70	35.93	19.23	69.54	-50.31	100	108
5	14.0220QP	-17.35	33.29	15.94	69.54	-53.60	100	319
6	24.5028QP	-17.98	34.40	16.12	69.54	-53.12	100	335



Test Mode	C	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	27deg. C, 58% 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	31.55	-19.26	40.47	21.21	40.00	-18.79	200	14
2	73.53	-20.65	45.65	25.00	40.00	-15.00	200	42
3	137.26	-17.90	47.19	29.29	43.50	-14.21	200	105
4	288.04	-16.26	38.67	22.41	46.00	-23.59	200	303
5	298.93	-15.86	38.06	22.20	46.00	-23.80	200	157
6	328.46	-15.20	40.13	24.93	46.00	-21.07	200	211

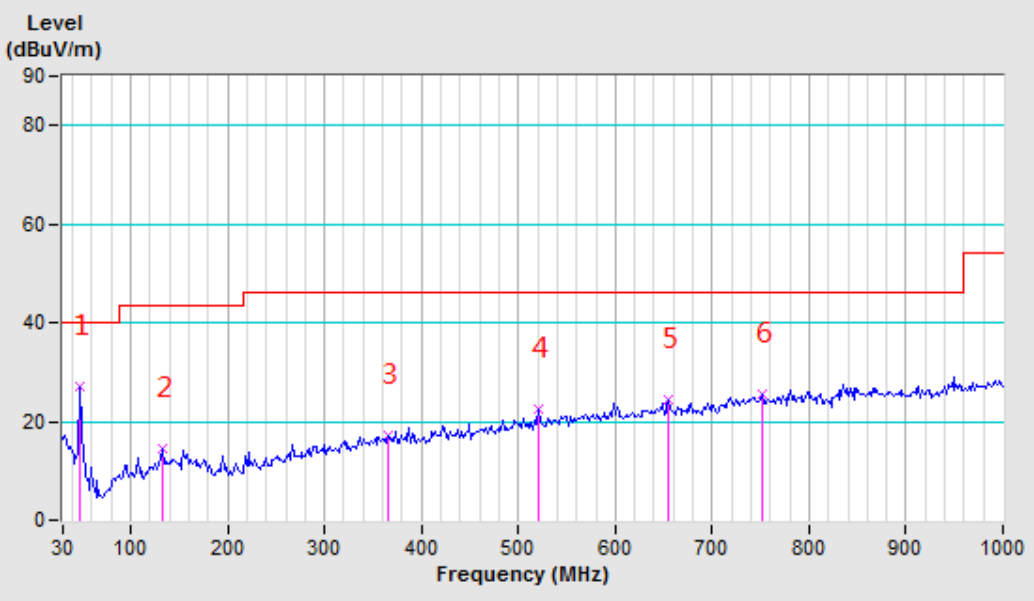
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions 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	27deg. C, 58% 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	31.55	-19.26	44.30	25.04	40.00	-14.96	100	115
2	43.99	-18.24	45.17	26.93	40.00	-13.07	100	206
3	76.63	-21.59	50.27	28.68	40.00	-11.32	100	73
4	135.71	-18.08	45.10	27.02	43.50	-16.48	100	69
5	211.87	-19.47	38.36	18.89	43.50	-24.61	100	201
6	288.04	-16.26	41.05	24.79	46.00	-21.21	100	0

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.
Power Sensor	Keysight	U2021XA	MY55060016	N/A
Power Sensor	Keysight	U2021XA	MY55060018	Jun. 03,24
Power Meter	Anritsu	ML2495A	1139001	Mar. 17,25
Power Sensor	Anritsu	MA2411B	1531155	Mar. 17,25
Digital Multimeter	FLUKE	15B	A1220010DG	N/A
Humid & Temp Programmable Tester	Haida	HD-225T	110807201	Oct. 30,24
Oscilloscope	Agilent	DSO9254A	MY51260160	Aug. 10,24
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV40	101094	Mar. 17,25
Signal Generator	Agilent	N5183A	MY50140980	Aug. 10,24
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY56200288	Sep. 04,24
Attenuator	MINI	BW-S10W2+	S130129FGE2	N/A
DC Source	Keysight	E3642A	MY56146098	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.

4.3.3 TEST PROCEDURE

a. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.

b. 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.

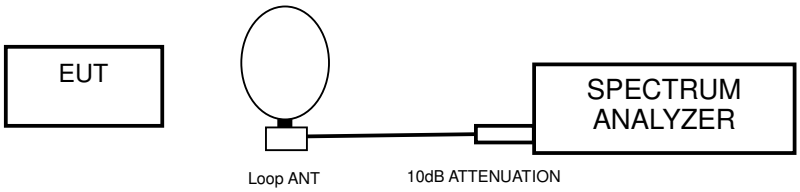
c. Measure the frequency difference of two frequencies that were attenuated 20dB from the reference level. Record the frequency difference as the emission bandwidth.

d. 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

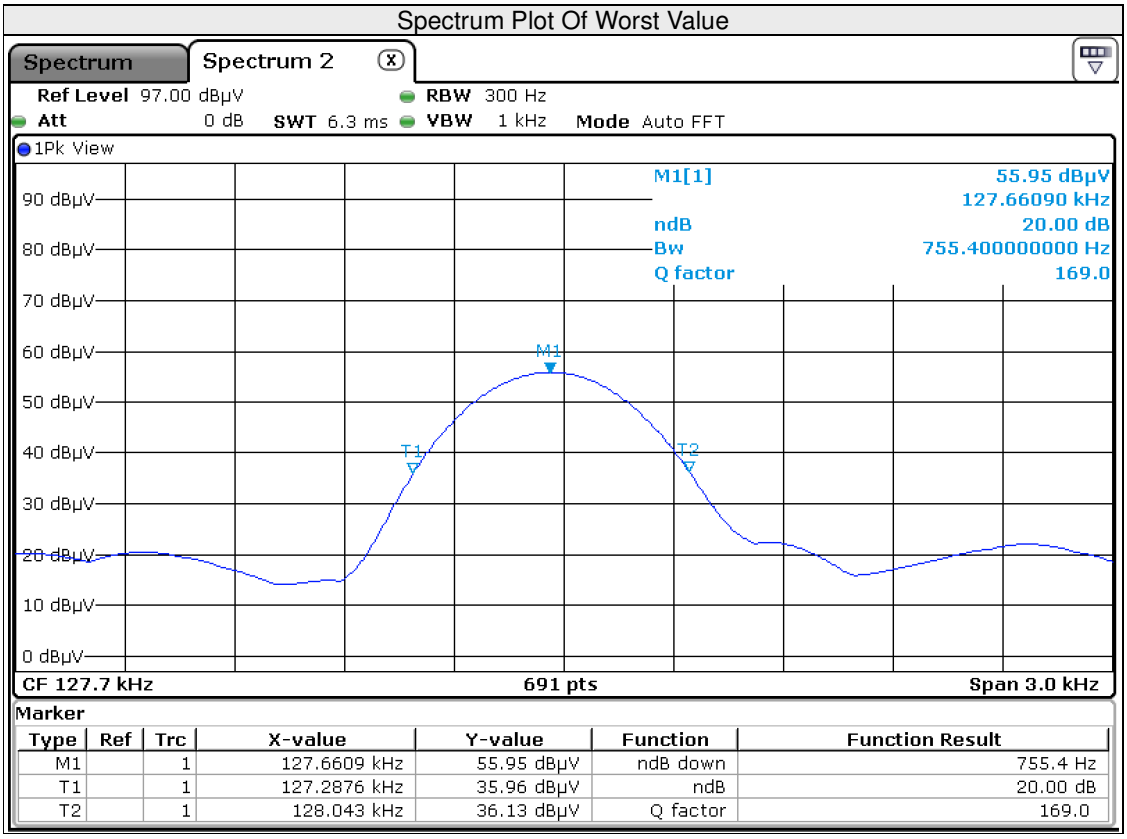
a. Turn on the EUT.
b. The EUT tested in charging mode and standby mode respectively.

4.3.7 TEST RESULTS

Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
A	127.7	755.4

Test Plot:

Spectrum Plot Of Worst Value



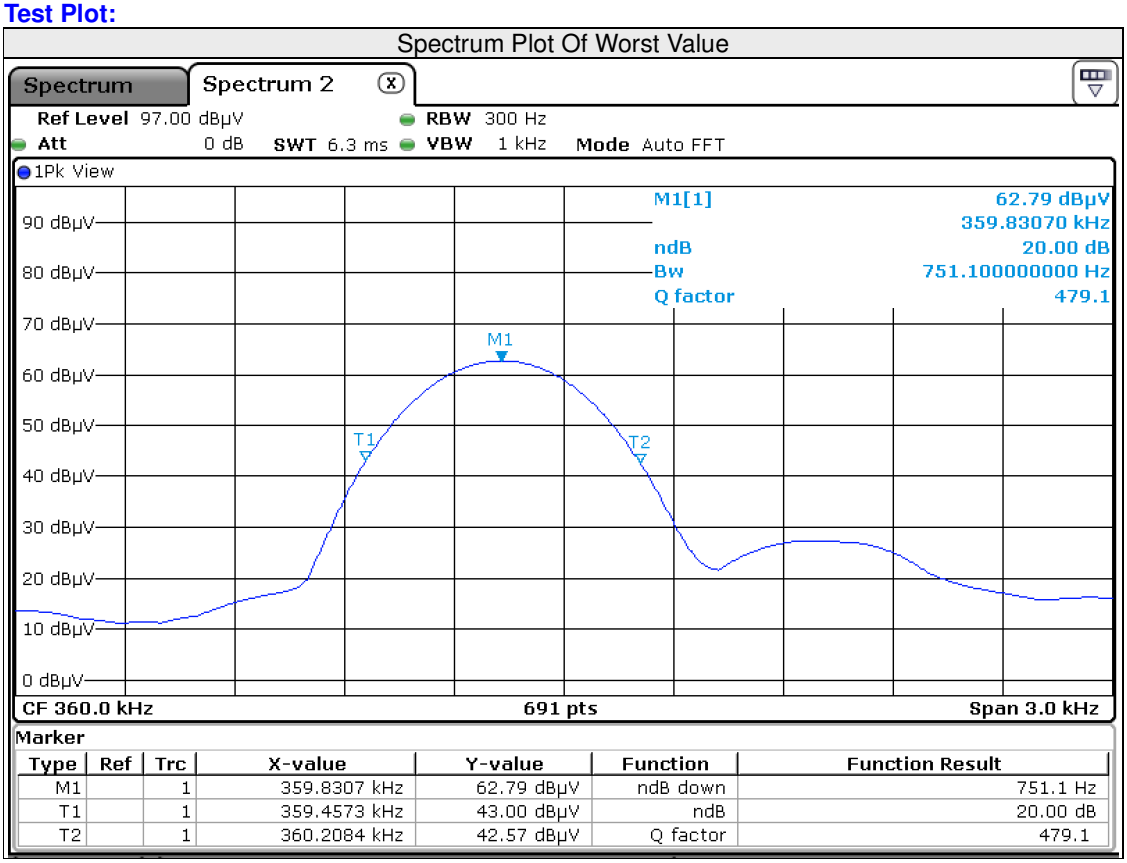
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	127.6609 kHz	55.95 dBµV	ndB down	755.4 Hz
T1		1	127.2876 kHz	35.96 dBµV	ndB	20.00 dB
T2		1	128.043 kHz	36.13 dBµV	Q factor	169.0

Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
B	360	751.1

Test Plot:

Spectrum Plot Of Worst Value



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	359.8307 kHz	62.79 dBµV	ndB down	751.1 Hz
T1		1	359.4573 kHz	43.00 dBµV	ndB	20.00 dB
T2		1	360.2084 kHz	42.57 dBµV	Q factor	479.1

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---