

TEST REPORT

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

Manufacturer or Supplier	Belkin International, Inc
Address	12045 East Waterfront Drive, Playa Vista, CA 90094, USA
Product	BOOSTCHARGE Portable Wireless Charger + Stand Special Edition
Brand Name	belkin
Model	WIZ003
Additional Model & Model Difference	N/A
Date of tests	Mar. 26, 2020 ~ May 09, 2020

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

☒ **FCC Part 15, Subpart C**

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

Tested by Andy Zhu Project Engineer / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	 Date: Jun. 03, 2020

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Test Report No.: RF200326N003

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF200326N003	Original release	Jun. 03, 2020

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

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

2 MEASUREMENT UNCERTAINTY

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

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	9kHz~30MHz	2.70dB
Radiated emissions	9KHz ~ 30MHz	2.16dB
	30MHz ~ 1GMHz	3.60dB

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 Portable Wireless Charger + Stand Special Edition
MODEL NO.	WIZ003
ADDITIONAL MODE	N/A
FCC ID	K7SWIZ003
POWER SUPPLY	DC 3.7V from battery Input USB-C: 5.0V $\Rightarrow$ 3.0A, 9.0V $\Rightarrow$ 2.0A, 12V $\Rightarrow$ 1.5A Input Pogo Pin: 5.0V $\Rightarrow$ 3.0A, 9.0V $\Rightarrow$ 2.0A, 12V $\Rightarrow$ 1.5A Output USB A: 5V $\Rightarrow$ 2.4A Output Wireless: 10W Total Output (USB A + Wireless): 12W (Max)
MODULATION TYPE	FSK
OPERATING FREQUENCY Range	110 ~ 205KHz
I/O PORTS	Coil Antenna
FIELD STRENGTH	86.04dBuV/m
MAXIMUM POWER OUTPUT FROM THE CHARGING COIL	Max Power Should be 10W
CABLE SUPPLIED	USB-C cable: Shielded, non-detachable 1.2m

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.: 200326N003) for detailed product photo.
4. The EUT were powered by the following car charger:

ADAPTER	
BRAND:	DBK
MODEL:	USB-150PD-US
INPUT:	AC 100-240V, 50-60HZ, 0.8A(MAX)
OUTPUT:	Type-C 5V $\Rightarrow$ 3A, 9V $\Rightarrow$ 2A, 12V $\Rightarrow$ 1.5A, 18W(MAX)
DC LINE:	N/A

3.2 DESCRIPTION OF TEST MODES

The following test frequencies are provided to this EUT:

Operating Frequency Range(KHz)	Tested Frequency(KHz)	Mode
110-205	127.8	Standby(EUT(battery full))
110-205	127.8	iPhone X operating(EUT(battery full))
110-205	127.8	10W Receiver load operating(EUT(battery full))
110-205	127.8	Standby(EUT USB-C port(DC 5V/2.4A) input)
110-205	127.8	iPhone X operating (EUT USB-C port(DC 5V/2.4A) input)
110-205	127.8	Standby (EUT POGO Pin(DC 5V/2.4A) input)
110-205	127.8	iPhone X operating (EUT POGO Pin(DC 5V/2.4A) input)

3.3 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE	APPLICABLE TO			DESCRIPTION
	RE<1G	PLC	20BW	
A	√	-	√	Standby(EUT(battery full))
B	√	-	√	iPhone X operating(EUT(battery full))
C	√	-	√	10W Receiver load operating(EUT(battery full))
D	√	√	√	Standby(EUT USB-C port(DC 5V/2.4A) input)
E	√	√	√	iPhone X operating (EUT USB-C port(DC 5V/2.4A) input)
F	√	√	√	Standby (EUT POGO Pin(DC 5V/2.4A) input)
G	√	√	√	iPhone X operating (EUT POGO Pin(DC 5V/2.4A) input)

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

PLC: Power Line Conducted Emission

20BW: 20dB Bandwidth

Note:

1. The Test mode B and E, the iphone in the lie-down position.
2. The Test mode G, the iphone in the stand-up position.

Radiated Emission Test (Below 1GHz):

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

EUT configure mode	Operating Frequency Range(KHz)	Tested Frequency(KHz)	Modulation Type
A	110-205	127.8	FSK
B	110-205	127.8	FSK
C	110-205	127.8	FSK
D	110-205	127.8	FSK
E	110-205	127.8	FSK
F	110-205	127.8	FSK
G	110-205	127.8	FSK

Power Line Conducted Emission Test:

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

EUT configure mode	Operating Frequency Range(KHz)	Tested Frequency(KHz)	Modulation Type
D	110-205	127.8	FSK
E	110-205	127.8	FSK
F	110-205	127.8	FSK
G	110-205	127.8	FSK

20dB Bandwidth TEST:

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

EUT configure mode	Operating Frequency Range(KHz)	Tested Frequency(KHz)	Modulation Type
A	110-205	127.8	FSK
B	110-205	127.8	FSK
C	110-205	127.8	FSK
D	110-205	127.8	FSK
E	110-205	127.8	FSK
F	110-205	127.8	FSK
G	110-205	127.8	FSK

TEST CONDITION:

Applicable to	Environmental conditions	Input Power	Tested by
RE<1G	24 °C, 64% RH	DC 3.7V From Battery or AC 120V/60Hz	Walker
PLC	24 °C, 64% RH	AC 120V/60Hz	Ming Bai
20BW	24 °C, 64% RH	DC 3.7V From Battery or AC 120V/60Hz	Daniel

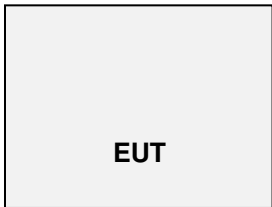
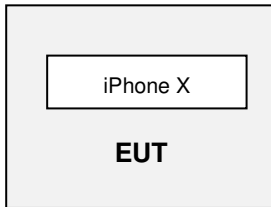
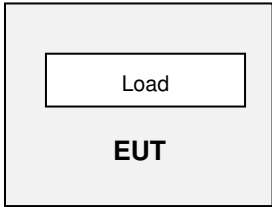
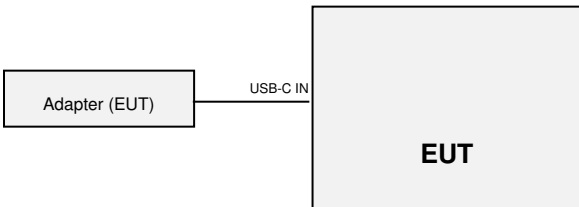
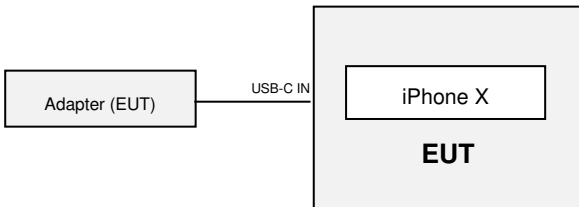
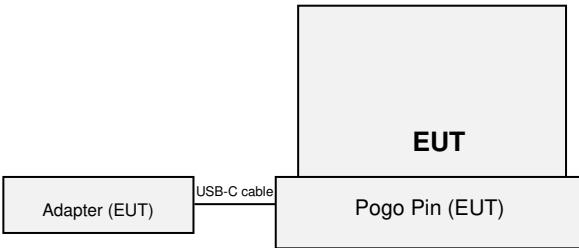
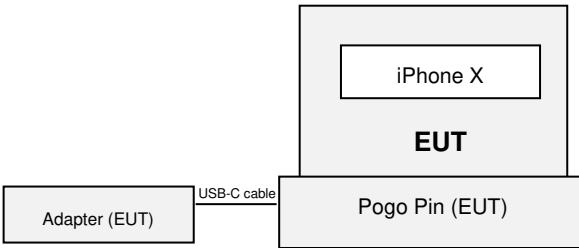
3.4 DESCRIPTION OF SUPPORT UNITS

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 X	Apple	MQA52CH/A	N/A	N/A
2	Receiver load	N/A	N/A	N/A	N/A

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

3.5 CONFIGURATION OF SYSTEM UNDER TEST

Standby Mode(EUT(battery full))	Charging Mode with iPhone X(EUT(battery full))
	
Charging Mode with Load(EUT(battery full))	
	
Standby Mode (EUT USB-C port(DC 5V/2.4A) input)	Charging Mode with iPhone X (EUT USB-C port(DC 5V/2.4A) input)
	
Standby Mode(EUT POGO Pin(DC 5V/2.4A) input)	Charging Mode with iPhone X (EUT POGO Pin(DC 5V/2.4A) input)
	

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 (15.209&15.207)
ANSI C63.10-2013

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

4 EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

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

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

4.1.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101494	Mar. 18,20	Mar. 17,21
Artificial Mains Network	Rohde&Schwarz	ENV216	101173	Mar. 18,20	Mar. 17,21
Artificial Mains Network	Rohde&Schwarz	ESH3-Z5	100317	Mar. 18,20	Mar. 17,21
Voltage probe	SCHWARZBECK	TK 9421	TK 9421-176	Sep. 24,19	Sep. 23,20
Test software	ADT	ADT_Conc _V7.3.7	N/A	N/A	N/A

- 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

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

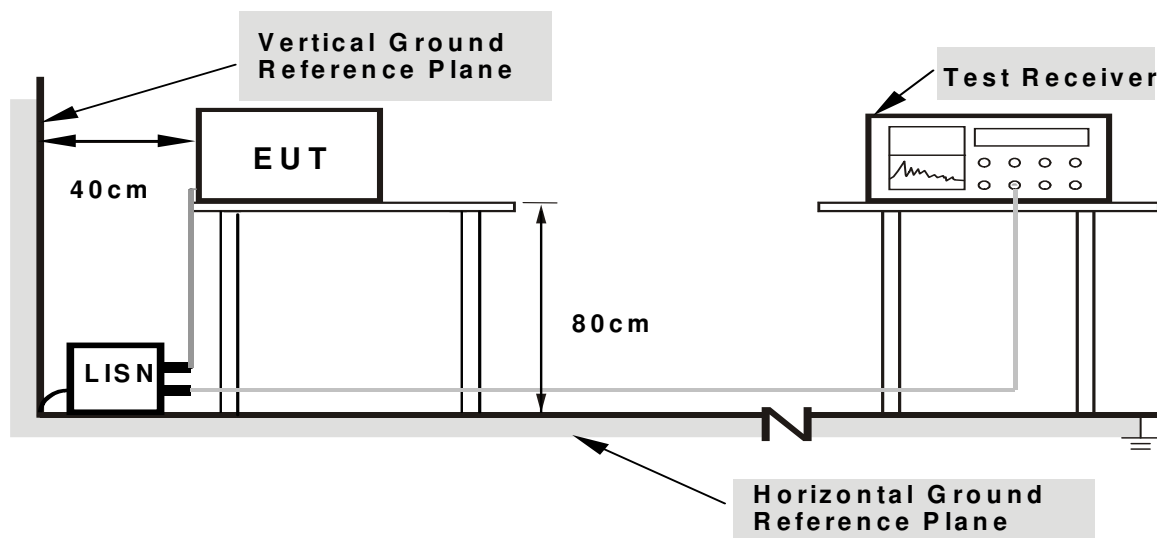
NOTES:

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

4.1.4 DEVIATION FROM TEST STANDARD

No deviation.

4.1.5 TEST SETUP



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

4.1.6 EUT OPERATING CONDITIONS

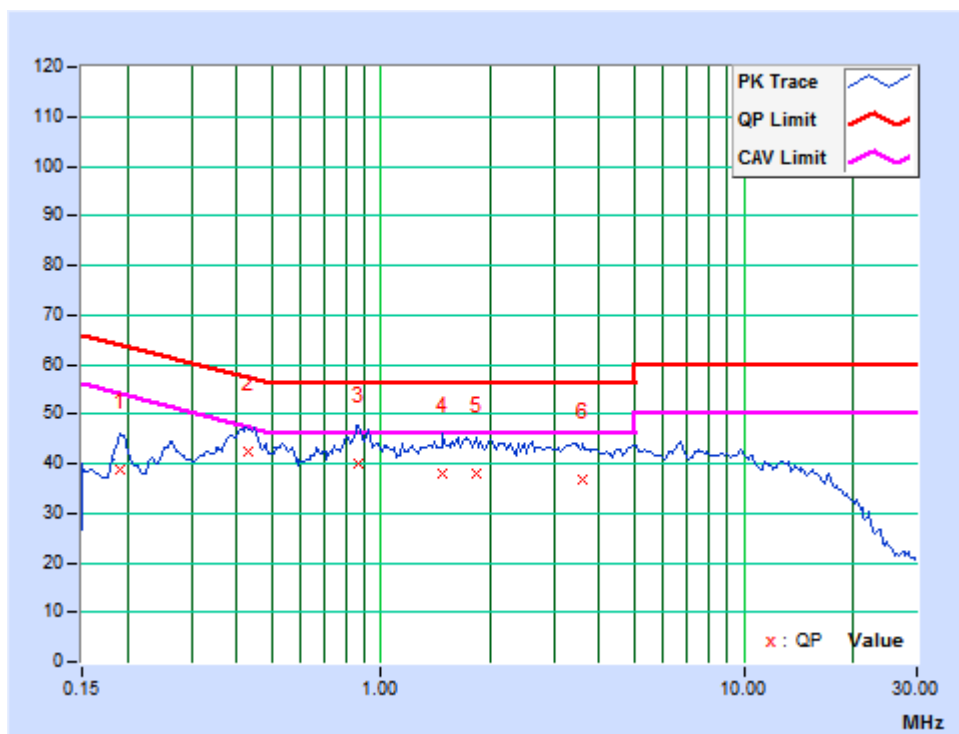
- a. Turn on the EUT.
- b. The EUT tested in charging mode and standby mode respectively.

4.1.7 TEST RESULTS

TEST MODE	D	PHASE	Line(L)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 54% RH	TESTED BY: Ming Bai	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.19047	10.21	28.68	17.20	38.89	27.41	64.02	54.02	-25.13	-26.61
2	0.43111	10.22	32.33	25.45	42.55	35.67	57.23	47.23	-14.68	-11.56
3	0.86775	10.24	29.77	20.57	40.01	30.81	56.00	46.00	-15.99	-15.19
4	1.47975	10.23	27.85	20.01	38.08	30.24	56.00	46.00	-17.92	-15.76
5	1.82625	10.22	27.71	18.98	37.93	29.20	56.00	46.00	-18.07	-16.80
6	3.59475	10.23	26.39	18.07	36.62	28.30	56.00	46.00	-19.38	-17.70

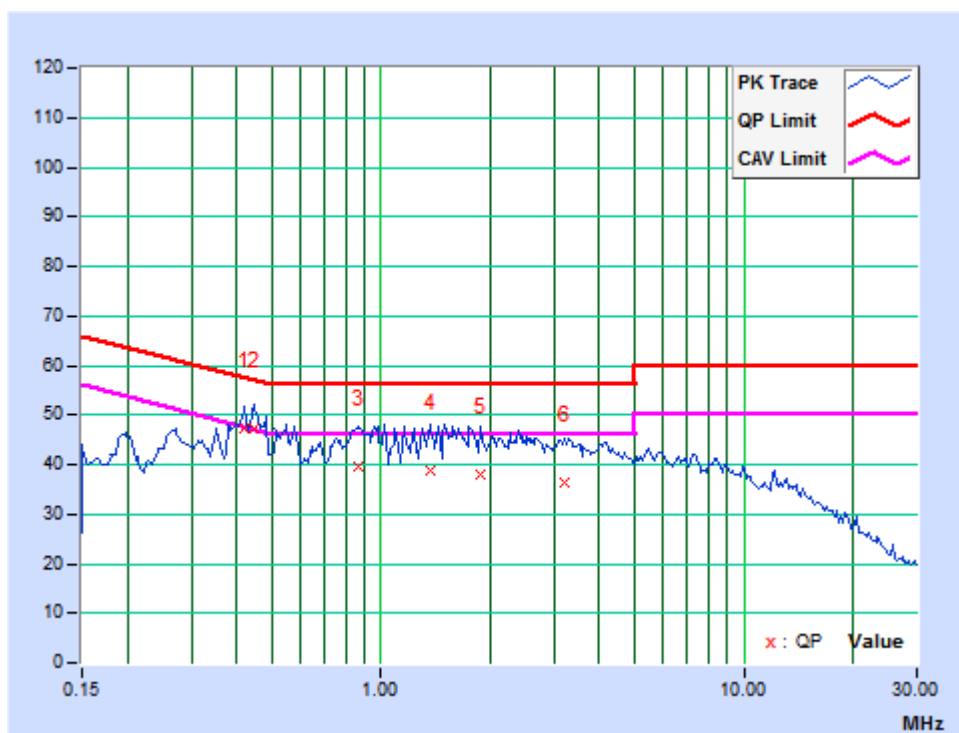
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	D	PHASE	Neutral (N)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 54% RH	TESTED BY: Ming Bai	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.41775	10.02	37.20	28.16	47.22	38.18	57.49	47.49	-10.27	-9.31
2	0.44475	10.02	37.19	29.13	47.21	39.15	56.97	46.97	-9.76	-7.82
3	0.86550	10.03	29.51	19.88	39.54	29.91	56.00	46.00	-16.46	-16.09
4	1.37175	10.02	28.85	19.51	38.87	29.53	56.00	46.00	-17.13	-16.47
5	1.88700	10.01	27.96	19.61	37.97	29.62	56.00	46.00	-18.03	-16.38
6	3.21675	10.03	26.34	18.46	36.37	28.49	56.00	46.00	-19.63	-17.51

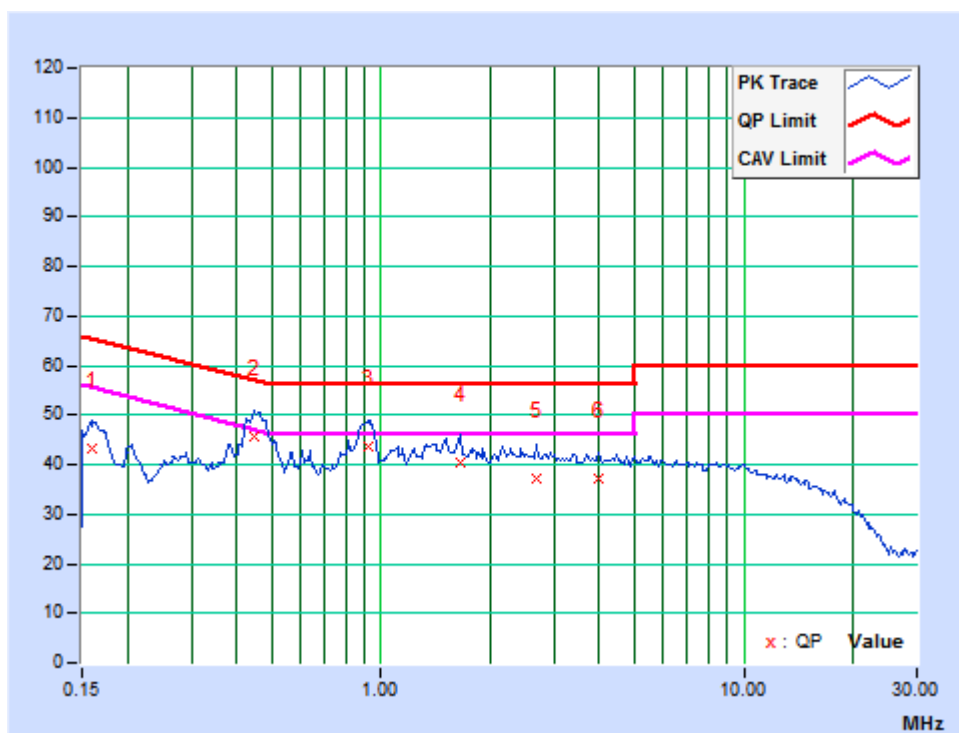
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TEST MODE	E	PHASE	Line(L)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 54% RH	TESTED BY: Ming Bai	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15900	10.21	33.17	19.63	43.38	29.84	65.52	55.52	-22.14	-25.68
2	0.44700	10.22	35.34	29.95	45.56	40.17	56.93	46.93	-11.37	-6.76
3	0.91725	10.24	33.56	22.71	43.80	32.95	56.00	46.00	-12.20	-13.05
4	1.66200	10.23	30.01	22.47	40.24	32.70	56.00	46.00	-15.76	-13.30
5	2.67900	10.22	26.85	18.50	37.07	28.72	56.00	46.00	-18.93	-17.28
6	3.96150	10.23	26.89	20.49	37.12	30.72	56.00	46.00	-18.88	-15.28

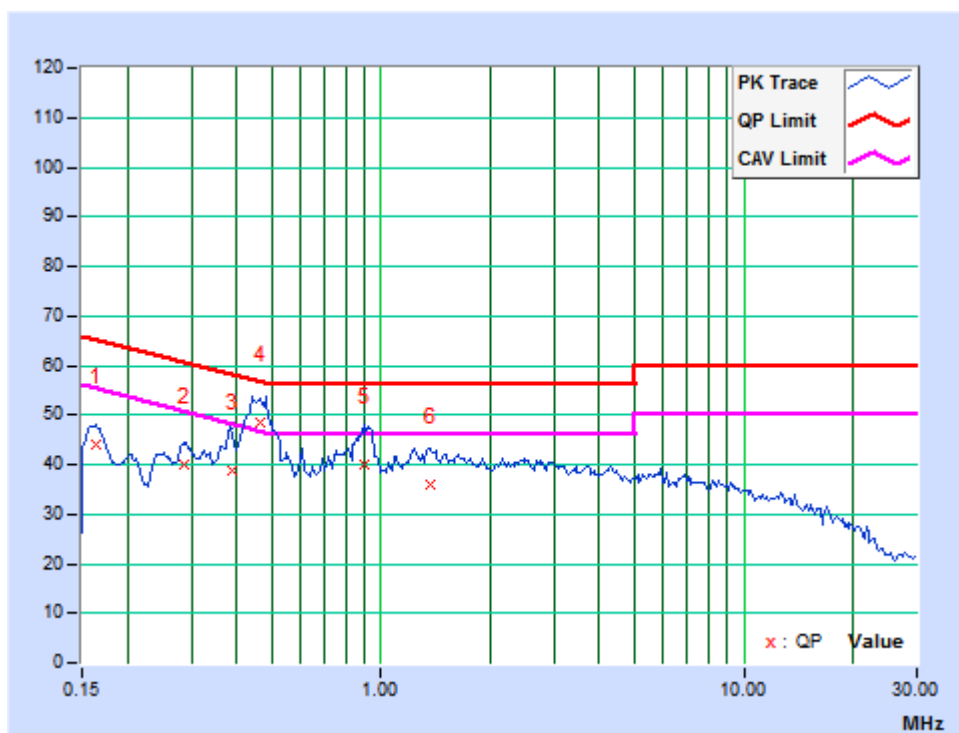
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	E	PHASE	Neutral (N)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 54% RH	TESTED BY: Ming Bai	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16350	10.00	34.15	18.49	44.15	28.49	65.28	55.28	-21.13	-26.79
2	0.28725	10.00	29.97	21.18	39.97	31.18	60.60	50.60	-20.63	-19.42
3	0.38799	10.02	28.94	21.10	38.96	31.12	58.11	48.11	-19.15	-16.99
4	0.46658	10.02	38.36	29.58	48.38	39.60	56.57	46.57	-8.19	-6.97
5	0.89475	10.03	30.05	23.73	40.08	33.76	56.00	46.00	-15.92	-12.24
6	1.36500	10.02	26.06	18.34	36.08	28.36	56.00	46.00	-19.92	-17.64

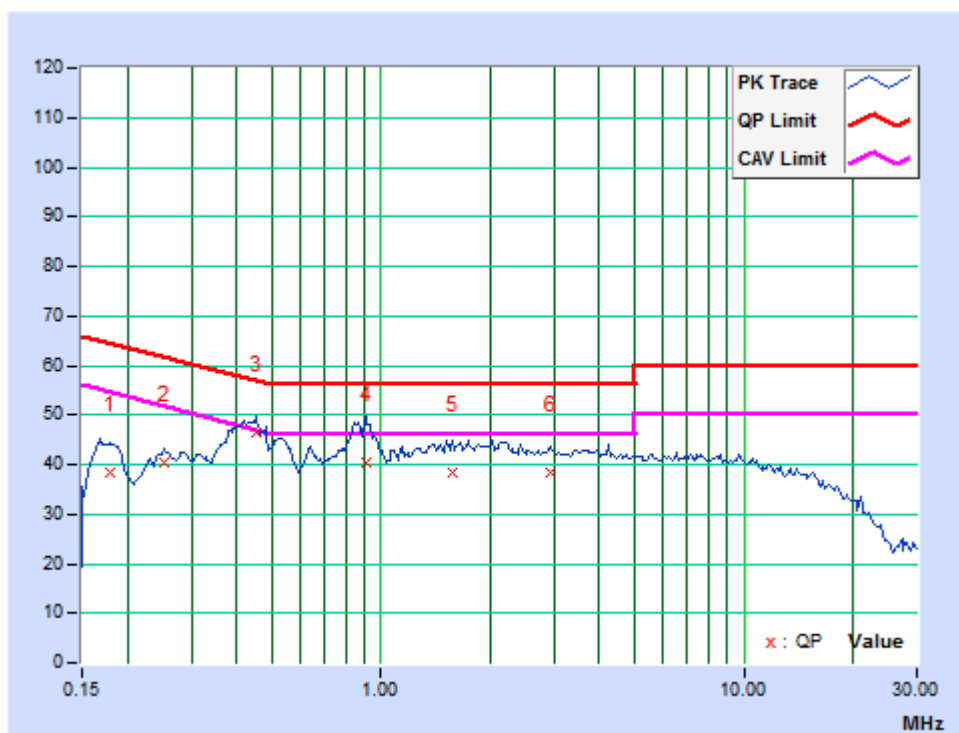
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	E	PHASE	Line(L)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 54% RH	TESTED BY: Ming Bai	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17925	10.21	28.25	16.19	38.46	26.40	64.52	54.52	-26.06	-28.12
2	0.25118	10.21	30.19	24.19	40.40	34.40	61.72	51.72	-21.32	-17.32
3	0.45150	10.22	36.18	27.71	46.40	37.93	56.85	46.85	-10.45	-8.92
4	0.90825	10.24	30.11	20.46	40.35	30.70	56.00	46.00	-15.65	-15.30
5	1.58325	10.23	28.18	19.46	38.41	29.69	56.00	46.00	-17.59	-16.31
6	2.94000	10.22	28.30	21.43	38.52	31.65	56.00	46.00	-17.48	-14.35

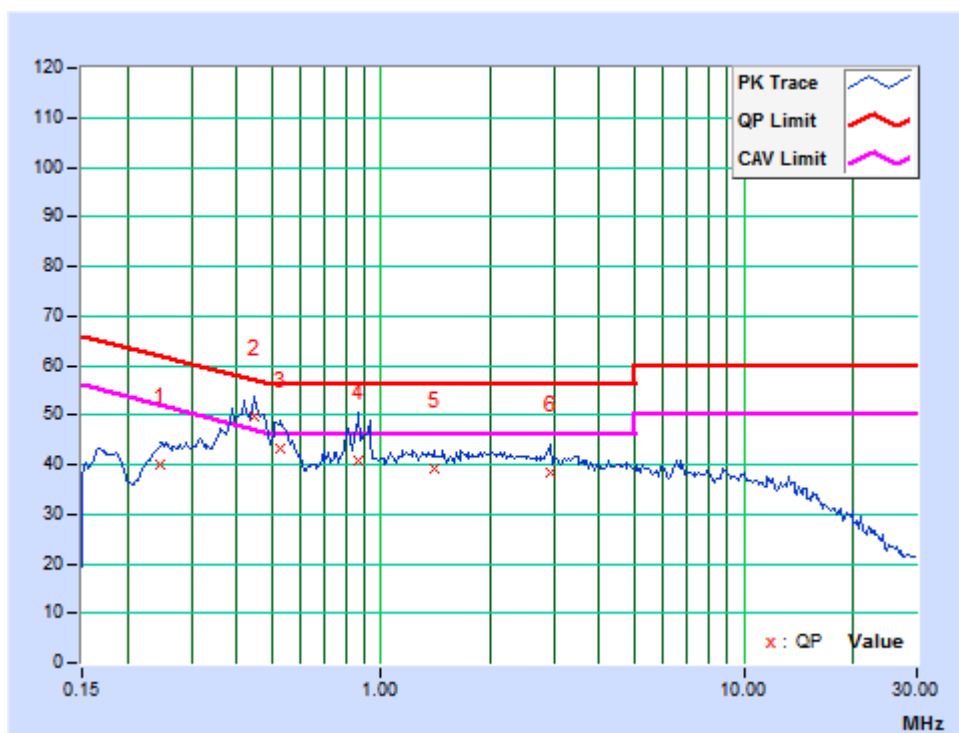
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	E	PHASE	Neutral (N)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 54% RH	TESTED BY: Ming Bai	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.24675	10.00	29.85	24.07	39.85	34.07	61.87	51.87	-22.02	-17.80
2	0.44850	10.02	39.52	30.17	49.54	40.19	56.90	46.90	-7.36	-6.71
3	0.53025	10.02	33.22	26.85	43.24	36.87	56.00	46.00	-12.76	-9.13
4	0.87000	10.03	30.67	20.82	40.70	30.85	56.00	46.00	-15.30	-15.15
5	1.40775	10.02	29.20	22.25	39.22	32.27	56.00	46.00	-16.78	-13.73
6	2.93775	10.03	28.48	21.14	38.51	31.17	56.00	46.00	-17.49	-14.83

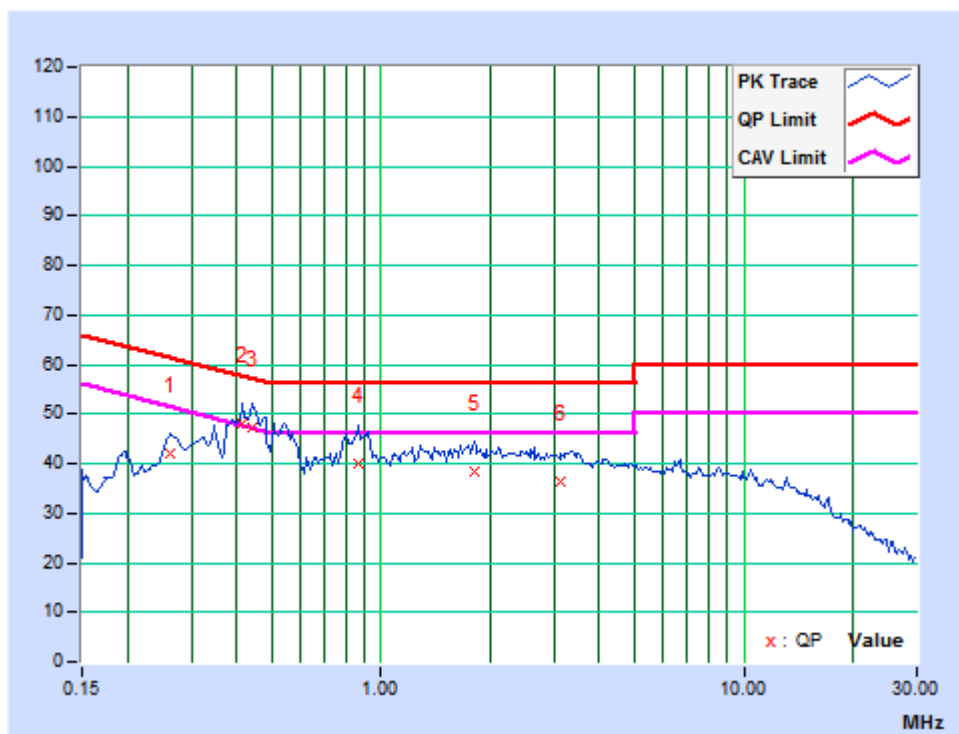
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	G	PHASE	Line(L)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 54% RH	TESTED BY: Ming Bai	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.26250	10.00	32.17	27.18	42.17	37.18	61.35	51.35	-19.18	-14.17
2	0.41441	10.02	37.91	29.13	47.93	39.15	57.56	47.56	-9.63	-8.41
3	0.44025	10.02	37.34	29.83	47.36	39.85	57.06	47.06	-9.70	-7.21
4	0.86325	10.03	29.83	20.97	39.86	31.00	56.00	46.00	-16.14	-15.00
5	1.80150	10.01	28.48	20.93	38.49	30.94	56.00	46.00	-17.51	-15.06
6	3.12675	10.03	26.48	19.81	36.51	29.84	56.00	46.00	-19.49	-16.16

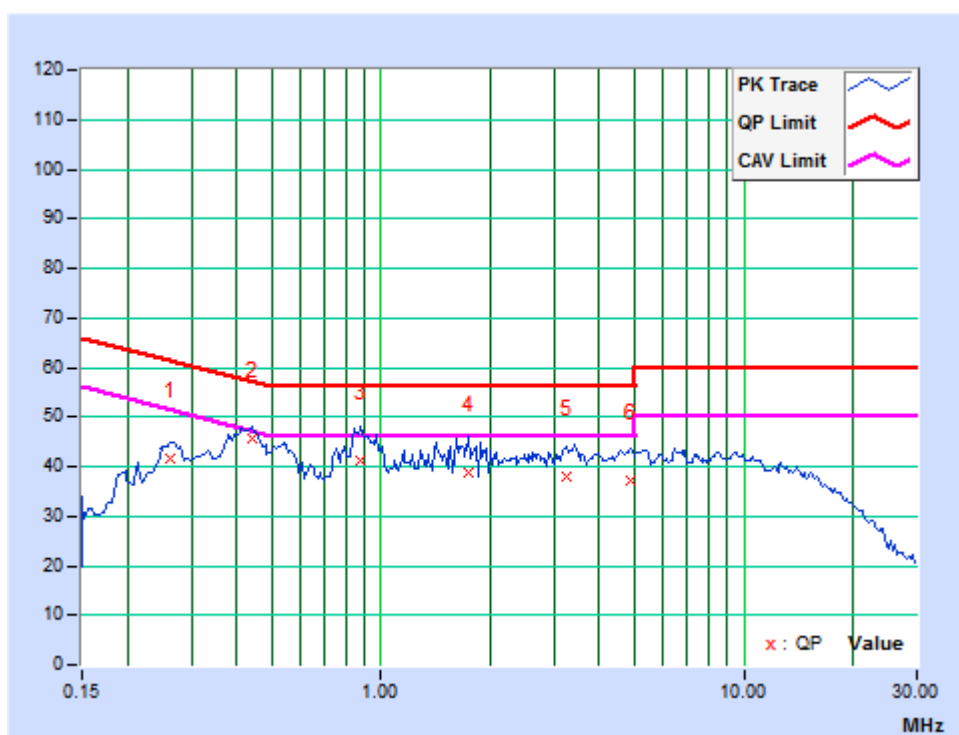
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	G	PHASE	Neutral (N)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 54% RH	TESTED BY: Ming Bai	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.26131	10.21	31.38	25.82	41.59	36.03	61.39	51.39	-19.80	-15.36
2	0.44263	10.22	35.49	27.65	45.71	37.87	57.01	47.01	-11.30	-9.14
3	0.87675	10.24	30.92	20.37	41.16	30.61	56.00	46.00	-14.84	-15.39
4	1.74525	10.23	28.74	19.87	38.97	30.10	56.00	46.00	-17.03	-15.90
5	3.23925	10.22	27.69	18.20	37.91	28.42	56.00	46.00	-18.09	-17.58
6	4.86150	10.23	26.76	18.06	36.99	28.29	56.00	46.00	-19.01	-17.71

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



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

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

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

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

NOTE:

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

4.2.2 TEST INSTRUMENTS

FREQUENCY 9KHz-30MHz

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESU40	100449	Mar. 18,20	Mar. 17,21
Bilog Antenna	Teseq	CBL 6111D	30643	Jun. 23,19	Jun. 22,20
Amplifier	Burgeon	BPA-530	100220	Mar. 15,20	Mar. 14,21
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	NSEMC003	Apr. 21,20	Apr. 20,21
Test software	ADT	ADT_Radiated V7.6.15.9.2	N/A	N/A	N/A

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

FREQUENCY 30MHz-1GHz

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Horn Antenna	ETS-Lindgren	3117	00062558	Jun. 23,19	Jun. 22,20
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170147	Jun. 23,19	Jun. 22,20
EMI Test Receiver	Rohde&Schwarz	ESU40	100449	Mar. 18,20	Mar. 17,21
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV40	101094	Mar. 18,20	Mar. 17,21
Broadband Preamplifier	SCHWARZBECK	BBV9718	305	Apr. 21,20	Apr. 20,21
Pre-Amplifier (18GHz-40GHz)	EMCI	EMC 184045	980102	Mar. 04,20	Mar. 03,21
Test Software	ADT	ADT_Radiated V7.6.15.9.2	N/A	N/A	N/A

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

4.2.3 TEST PROCEDURE

< Below 30MHz >

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

<30MHz~1GHz >

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

NOTES:

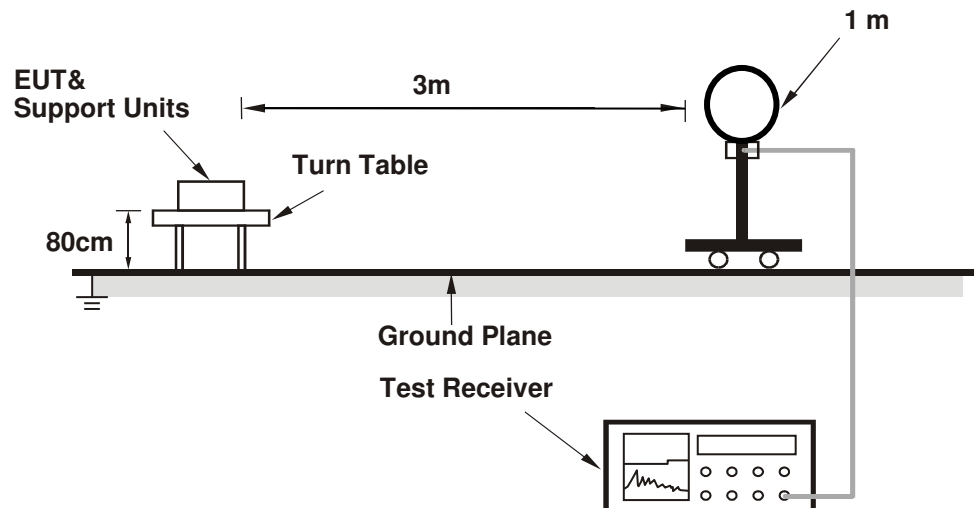
1. The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
3. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
4. Margin value = Emission level –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

4.2.4 DEVIATION FROM TEST STANDARD

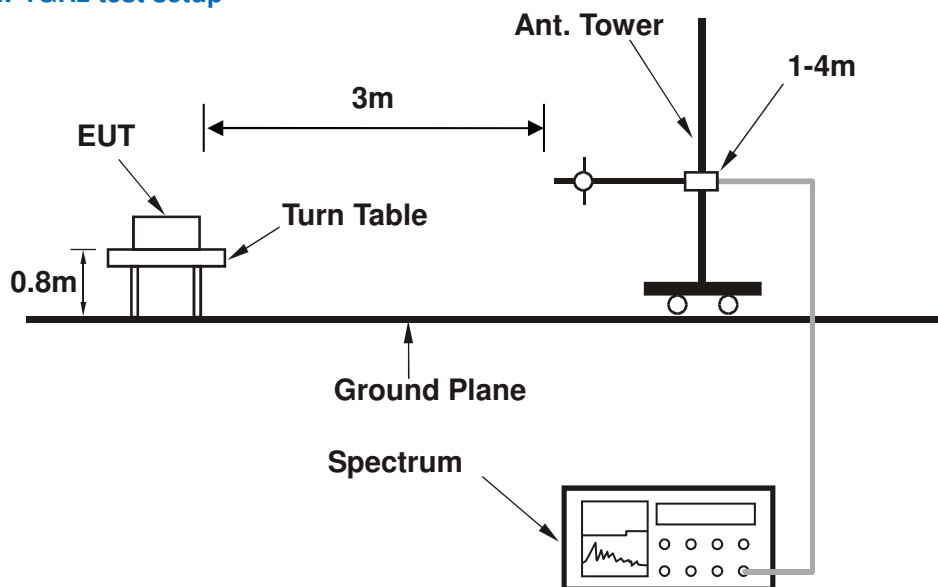
No deviation.

4.2.5 TEST SETUP

Below 30MHz test setup



Below 1GHz test setup



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

4.2.6 EUT OPERATING CONDITIONS

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

4.2.7 TEST RESULTS

Test Mode	A	Frequency Range	9 kHz ~ 30 MHz
Test Voltage	DC 3.7V From Battery	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	KAMIKO

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	0.09480	-11.36	50.50	39.14	108.07	-68.93	100	197
2	0.12780	-11.03	96.40	85.37	105.47	-20.10	100	174
3	0.38280	-10.89	69.47	58.58	95.94	-37.36	100	354
4	0.63810	-10.81	61.85	51.04	71.72	-20.68	100	354
5	0.89330	-10.64	50.87	40.23	69.07	-28.84	100	360
6	4.72770	-10.75	29.87	19.12	69.54	-50.42	100	348
7	12.22790	-10.07	29.15	19.08	69.54	-50.46	100	300
8	19.53110	-10.17	28.34	18.17	69.54	-51.37	100	48
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	0.09450	-11.36	45.40	34.04	108.10	-74.06	100	270
2	0.12780	-11.03	91.15	80.12	105.47	-25.35	100	264
3	0.24400	-10.78	45.53	34.75	99.85	-65.10	100	320
4	1.22170	-10.67	31.16	20.49	66.60	-46.11	100	38
5	4.78590	-10.78	29.57	18.79	69.54	-50.75	100	131
6	10.18310	-10.21	29.38	19.17	69.54	-50.37	100	116
7	18.67880	-10.11	28.44	18.33	69.54	-51.21	100	322
8	22.92370	-10.07	28.04	17.97	69.54	-51.57	100	1
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA GROUND-PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.09540	-11.35	46.78	35.43	108.01	-72.58	100	152
2	0.12780	-11.03	91.06	80.03	105.47	-25.44	100	188
3	0.97540	-10.61	33.77	23.16	68.37	-45.21	100	269
4	6.28450	-10.74	29.23	18.49	69.54	-51.05	100	360
5	12.92790	-10.01	28.38	18.37	69.54	-51.17	100	115
6	18.58780	-10.11	27.85	17.74	69.54	-51.80	100	256
7	22.82820	-10.08	27.55	17.47	69.54	-52.07	100	247
8	25.36110	-10.01	27.36	17.35	69.54	-52.19	100	307

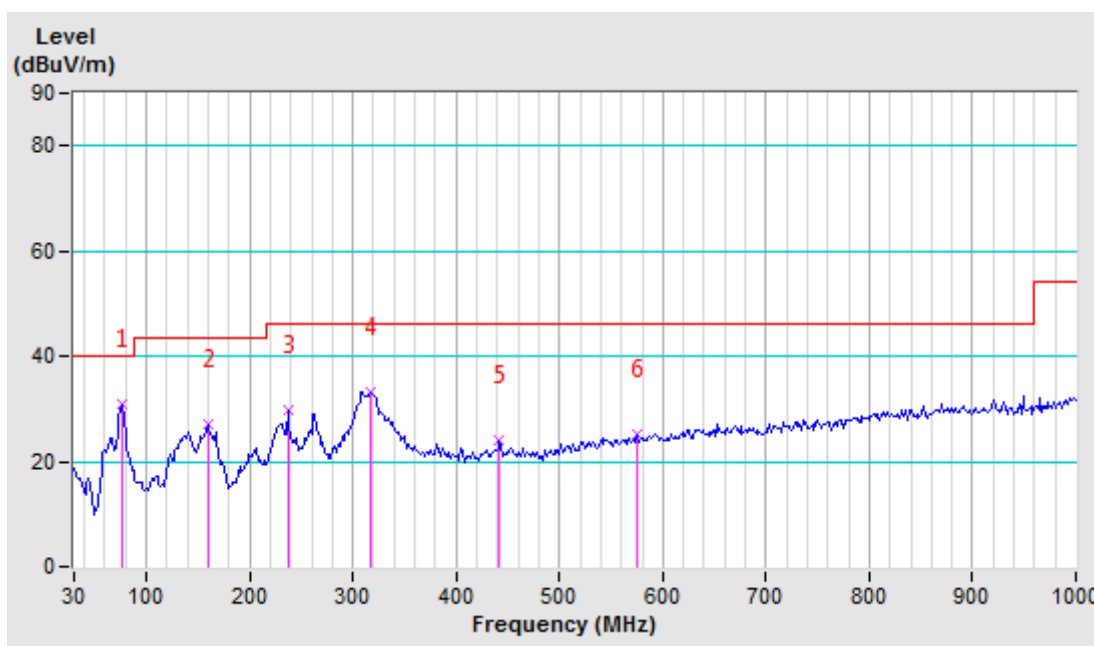
Remarks:

1. Emission Level(dBuA/m) = Raw Value(dBuA) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * ”: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.

Test Mode	A	Frequency Range	30MHz ~ 1000MHz
Test Voltage	DC 3.7V From Battery	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	KAMIKO

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	76.63	-21.82	52.54	30.72	40.00	-9.28	100	0
2	159.02	-16.69	43.76	27.07	43.50	-16.43	100	0
3	236.75	-16.14	45.79	29.65	46.00	-16.35	100	0
4	317.58	-11.14	44.41	33.27	46.00	-12.73	100	0
5	441.94	-7.94	32.06	24.12	46.00	-21.88	100	0
6	575.62	-4.32	29.59	25.27	46.00	-20.73	100	0

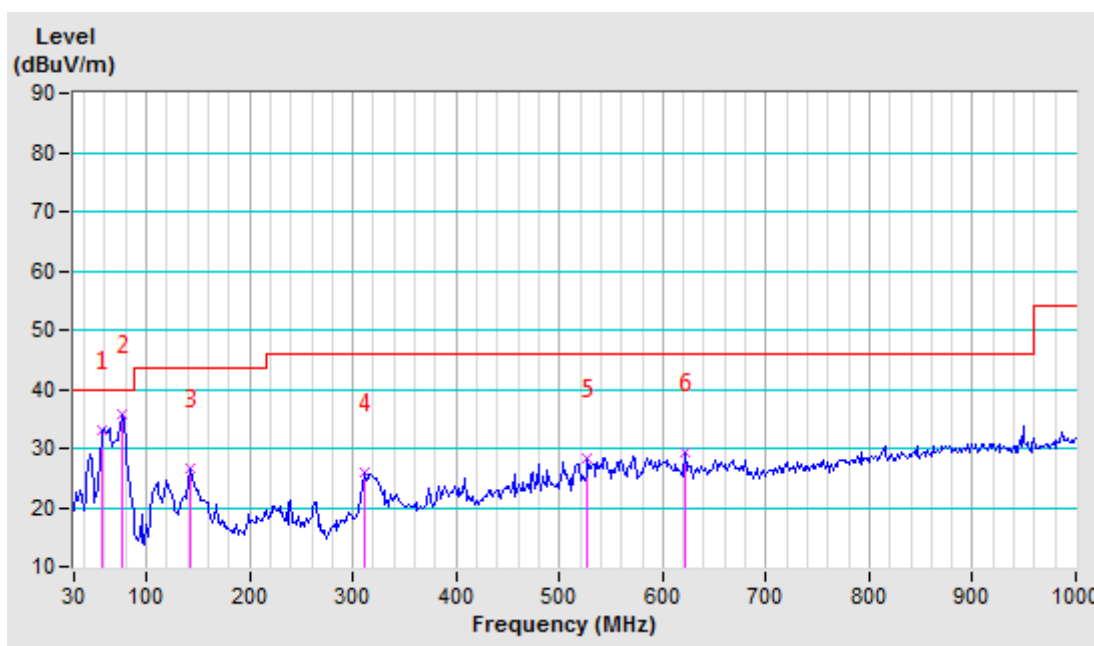
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions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



Test Mode	A	Frequency Range	30MHz ~ 1000MHz
Test Voltage	DC 3.7V From Battery	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	KAMIKO

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	57.98	-22.68	55.84	33.16	40.00	-6.84	100	0
2	76.63	-21.82	57.68	35.86	40.00	-4.14	100	0
3	143.48	-16.11	42.84	26.73	43.50	-16.77	100	0
4	311.36	-11.90	37.93	26.03	46.00	-19.97	100	0
5	527.44	-5.50	33.89	28.39	46.00	-17.61	100	0
6	622.26	-3.71	33.14	29.43	46.00	-16.57	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	B	Frequency Range	9 kHz ~ 30 MHz
Test Voltage	DC 3.7V From Battery	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	KAMIKO

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	0.12580	-11.06	51.90	40.84	105.61	-64.77	100	301
2	0.12780	-11.03	81.27	70.24	105.47	-35.23	100	193
3	0.38280	-10.89	59.16	48.27	95.94	-47.67	100	119
4	0.63810	-10.81	51.50	40.69	71.72	-31.03	100	263
5	6.82780	-10.67	29.60	18.93	69.54	-50.61	100	17
6	12.65630	-10.04	29.19	19.15	69.54	-50.39	100	360
7	20.95500	-10.16	28.29	18.13	69.54	-51.41	100	281
8	26.29990	-10.11	28.23	18.12	69.54	-51.42	100	173
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	0.12580	-11.06	49.35	38.29	105.61	-67.32	100	223
2	0.12780	-11.03	77.66	66.63	105.47	-38.84	100	289
3	0.38280	-10.89	58.70	47.81	95.94	-48.13	100	213
4	0.63810	-10.81	49.20	38.39	71.72	-33.33	100	360
5	0.89330	-10.64	45.38	34.74	69.07	-34.33	100	272
6	5.65460	-10.81	29.47	18.66	69.54	-50.88	100	48
7	12.54140	-10.05	29.43	19.38	69.54	-50.16	100	109
8	21.11920	-10.16	28.71	18.55	69.54	-50.99	100	328
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA GROUND-PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.03510	-11.50	50.12	38.62	116.68	-78.06	100	160
2	0.12780	-11.03	71.83	60.80	105.47	-44.67	100	164
3	0.21720	-10.76	51.86	41.10	100.87	-59.77	100	222
4	7.45910	-10.59	28.60	18.01	69.54	-51.53	100	360
5	12.73990	-10.03	28.28	18.25	69.54	-51.29	100	335
6	18.83110	-10.14	27.56	17.42	69.54	-52.12	100	42
7	25.71180	-10.05	27.27	17.22	69.54	-52.32	100	90
8	27.44470	-10.21	27.25	17.04	69.54	-52.50	100	86

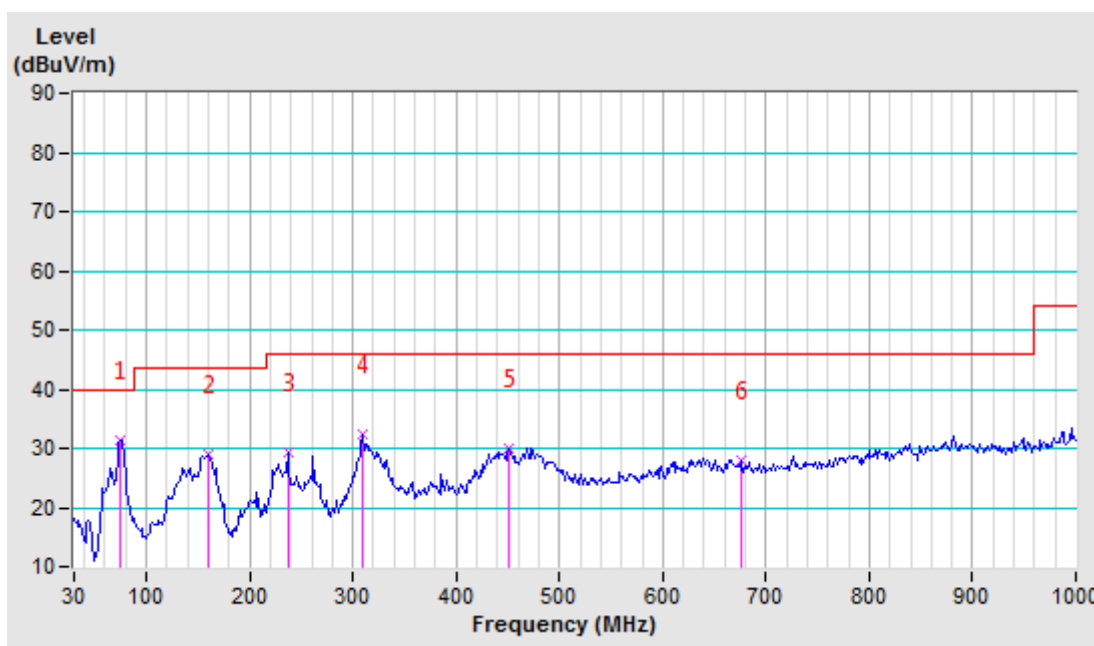
Remarks:

1. Emission Level(dBuA/m) = Raw Value(dBuA) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * ”: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.

Test Mode	B	Frequency Range	30MHz ~ 1000MHz
Test Voltage	DC 3.7V From Battery	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	KAMIKO

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	75.08	-22.06	53.43	31.37	40.00	-8.63	100	0
2	159.02	-16.69	45.62	28.93	43.50	-14.57	100	0
3	236.75	-16.14	45.48	29.34	46.00	-16.66	100	0
4	309.81	-12.07	44.51	32.44	46.00	-13.56	100	0
5	451.27	-7.58	37.58	30.00	46.00	-16.00	100	0
6	676.67	-2.75	30.65	27.90	46.00	-18.10	100	0

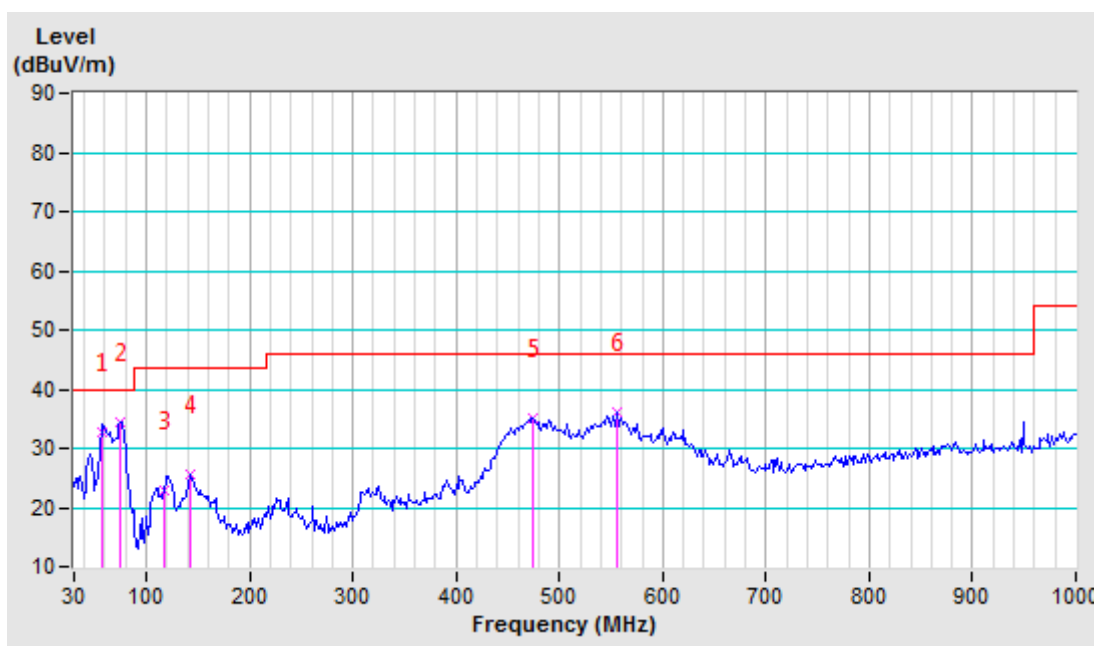
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions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



Test Mode	B	Frequency Range	30MHz ~ 1000MHz
Test Voltage	DC 3.7V From Battery	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	KAMIKO

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	56.43	-22.83	55.57	32.74	40.00	-7.26	100	0
2	75.08	-22.06	56.55	34.49	40.00	-5.51	100	0
3	117.05	-17.14	40.16	23.02	43.50	-20.48	100	0
4	143.48	-16.11	41.81	25.70	43.50	-17.80	100	0
5	474.58	-7.56	42.57	35.01	46.00	-10.99	100	0
6	555.42	-4.82	41.00	36.18	46.00	-9.82	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	C	Frequency Range	9 kHz ~ 30 MHz
Test Voltage	DC 3.7V From Battery	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	KAMIKO

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	0.12570	-11.06	57.12	46.06	105.61	-59.55	100	154
2	0.12780	-11.03	91.09	80.06	105.47	-25.41	100	172
3	0.38280	-10.89	67.20	56.31	95.94	-39.63	100	181
4	0.63810	-10.81	61.60	50.79	71.72	-20.93	100	350
5	1.91570	-10.89	38.23	27.34	69.54	-42.20	100	170
6	5.10980	-10.87	29.59	18.72	69.54	-50.82	100	360
7	12.80850	-10.02	29.27	19.25	69.54	-50.29	100	39
8	19.10270	-10.15	28.50	18.35	69.54	-51.19	100	331
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	0.12580	-11.06	53.04	41.98	105.61	-63.63	100	250
2	0.12780	-11.03	86.59	75.56	105.47	-29.91	100	267
3	0.38280	-10.89	63.04	52.15	95.94	-43.79	100	270
4	0.63810	-10.81	57.21	46.40	71.72	-25.32	100	270
5	4.66210	-10.72	30.16	19.44	69.54	-50.10	100	222
6	8.47260	-10.44	29.72	19.28	69.54	-50.26	100	360
7	15.81900	-9.93	28.81	18.88	69.54	-50.66	100	302
8	22.65950	-10.08	27.89	17.81	69.54	-51.73	100	312
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA GROUND-PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.11380	-11.21	38.17	26.96	106.48	-79.52	100	186
2	0.12780	-11.03	84.27	73.24	105.47	-32.23	100	161
3	0.63810	-10.81	60.58	49.77	71.72	-21.95	100	349
4	0.89330	-10.64	48.90	38.26	69.07	-30.81	100	122
5	1.15000	-10.65	43.25	32.60	67.07	-34.47	100	155
6	8.88160	-10.38	29.09	18.71	69.54	-50.83	100	140
7	13.55630	-9.97	28.37	18.40	69.54	-51.14	100	115
8	17.03850	-10.00	28.19	18.19	69.54	-51.35	100	270

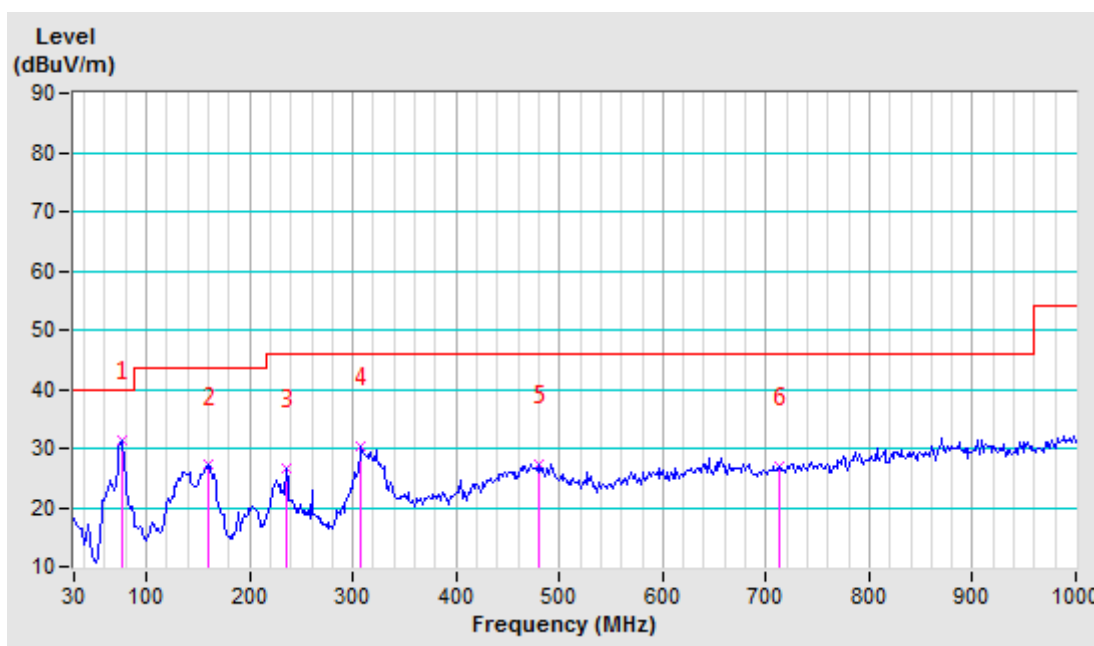
Remarks:

1. Emission Level(dBuA/m) = Raw Value(dBuA) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * ”: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.

Test Mode	C	Frequency Range	30MHz ~ 1000MHz
Test Voltage	DC 3.7V From Battery	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	KAMIKO

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	76.63	-21.82	53.17	31.35	40.00	-8.65	100	273
2	159.02	-16.69	43.89	27.20	43.50	-16.30	100	286
3	235.19	-16.20	42.79	26.59	46.00	-19.41	100	297
4	308.25	-12.11	42.47	30.36	46.00	-15.64	100	307
5	480.80	-7.62	35.07	27.45	46.00	-18.55	100	320
6	712.42	-2.15	29.03	26.88	46.00	-19.12	100	331

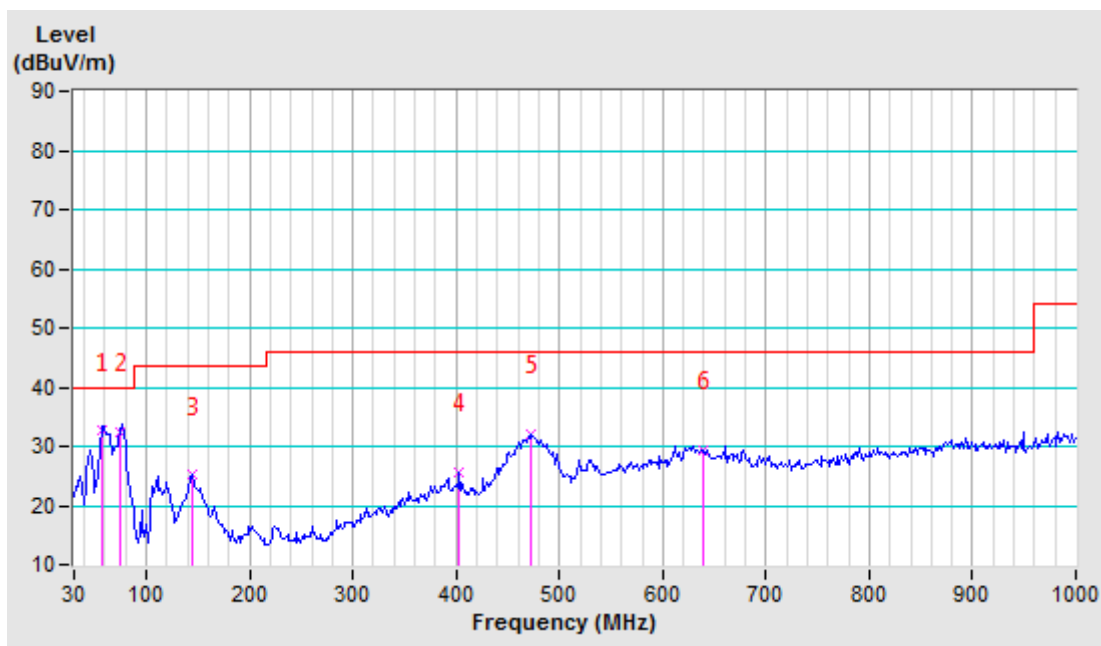
- REMARKS:** 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions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



Test Mode	C	Frequency Range	30MHz ~ 1000MHz
Test Voltage	DC 3.7V From Battery	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	KAMIKO

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	56.43	-22.83	55.41	32.58	40.00	-7.42	100	0
2	75.08	-22.06	54.51	32.45	40.00	-7.55	100	0
3	145.03	-16.18	41.32	25.14	43.50	-18.36	100	0
4	403.08	-8.63	34.28	25.65	46.00	-20.35	100	0
5	473.03	-7.52	39.65	32.13	46.00	-13.87	100	0
6	639.36	-3.16	32.56	29.40	46.00	-16.60	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	D	Frequency Range	9 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	KAMIKO

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	0.07330	-11.20	68.75	57.55	110.30	-52.75	100	180
2	0.12780	-11.03	96.42	85.39	105.47	-20.08	100	172
3	0.38280	-10.89	70.75	59.86	95.94	-36.08	100	172
4	0.63810	-10.81	62.48	51.67	71.72	-20.05	100	178
5	8.39800	-10.45	29.11	18.66	69.54	-50.88	100	44
6	12.67120	-10.04	28.99	18.95	69.54	-50.59	100	87
7	18.42360	-10.10	28.73	18.63	69.54	-50.91	100	151
8	27.69840	-10.22	27.73	17.51	69.54	-52.03	100	276
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	0.07540	-11.21	64.65	53.44	110.06	-56.62	100	232
2	0.12780	-11.03	91.22	80.19	105.47	-25.28	100	267
3	0.38280	-10.89	65.82	54.93	95.94	-41.01	100	266
4	0.63810	-10.81	58.22	47.41	71.72	-24.31	100	271
5	5.97550	-10.77	30.38	19.61	69.54	-49.93	100	189
6	11.75180	-10.09	29.83	19.74	69.54	-49.80	100	75
7	16.94440	-10.00	29.01	19.01	69.54	-50.53	100	360
8	21.09530	-10.16	28.80	18.64	69.54	-50.90	100	180
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA GROUND-PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.07490	-11.19	60.64	49.45	110.11	-60.66	100	218
2	0.12780	-11.03	90.70	79.67	105.47	-25.80	100	192
3	0.38280	-10.89	64.56	53.67	95.94	-42.27	100	188
4	0.63810	-10.81	54.54	43.73	71.72	-27.99	100	187
5	0.89330	-10.64	50.27	39.63	69.07	-29.44	100	200
6	7.92480	-10.52	28.49	17.97	69.54	-51.57	100	200
7	14.93400	-9.87	28.00	18.13	69.54	-51.41	100	116
8	19.89830	-10.20	28.06	17.86	69.54	-51.68	100	78

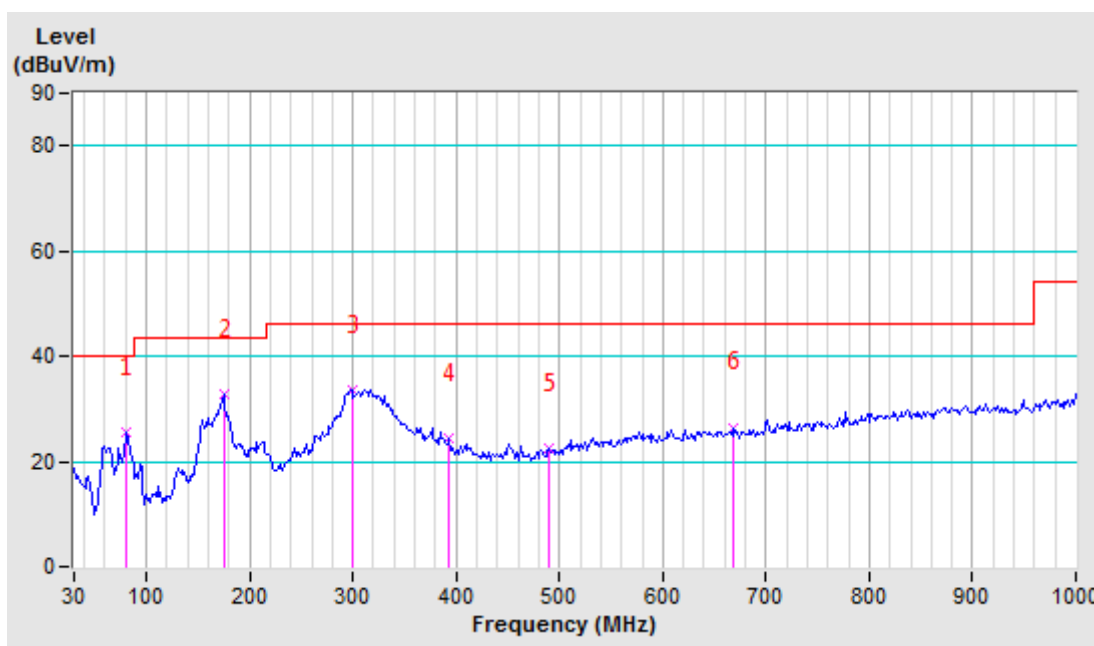
Remarks:

1. Emission Level(dBuA/m) = Raw Value(dBuA) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * ”: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.

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

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	81.30	-21.13	46.68	25.55	40.00	-14.45	100	0
2	174.57	-17.74	50.37	32.63	43.50	-10.87	100	0
3	298.93	-12.43	45.91	33.48	46.00	-12.52	100	0
4	393.75	-8.98	33.43	24.45	46.00	-21.55	100	0
5	490.13	-6.74	29.18	22.44	46.00	-23.56	100	0
6	667.34	-3.00	29.49	26.49	46.00	-19.51	100	0

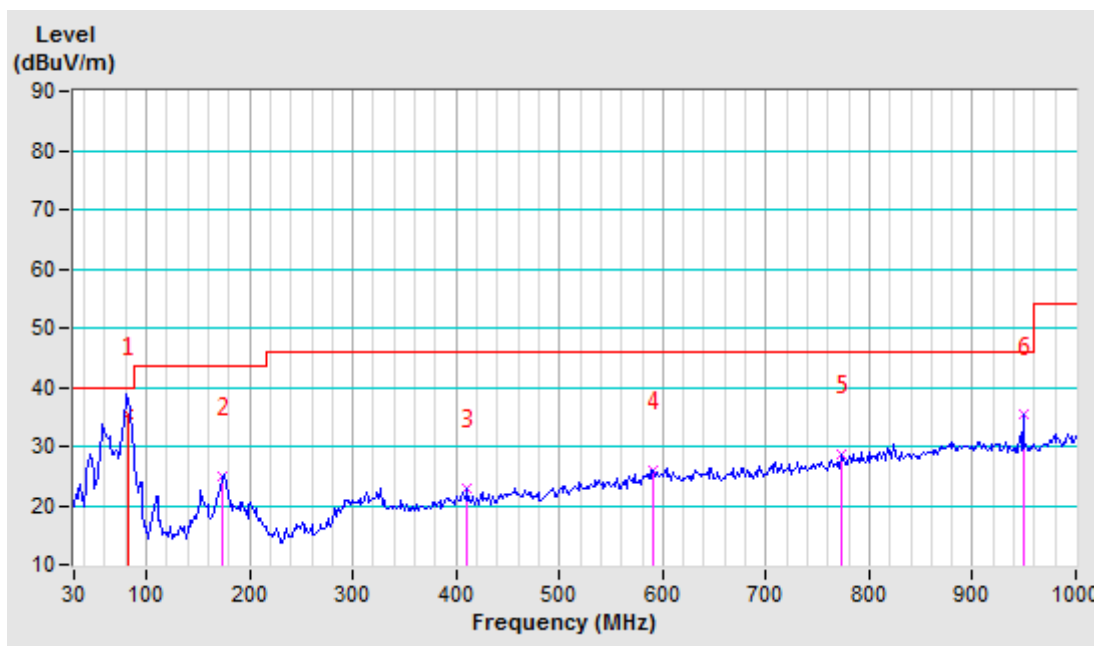
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions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



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

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	82.66	-20.93	56.23	35.30	40.00	-4.70	100	0
2	173.01	-17.60	42.50	24.90	43.50	-18.60	100	0
3	410.85	-8.42	31.29	22.87	46.00	-23.13	100	0
4	591.17	-3.98	29.95	25.97	46.00	-20.03	100	0
5	773.04	-1.04	29.80	28.76	46.00	-17.24	100	0
6	948.70	1.50	33.77	35.27	46.00	-10.73	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	E	Frequency Range	9 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	KAMIKO

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	0.04920	-11.41	64.98	53.57	113.76	-60.19	100	350
2	0.12780	-11.03	80.85	69.82	105.47	-35.65	100	316
3	0.38280	-10.89	60.52	49.63	95.94	-46.31	100	299
4	0.89330	-10.64	48.60	37.96	69.07	-31.11	100	163
5	9.58750	-10.28	29.30	19.02	69.54	-50.52	100	314
6	18.16540	-10.08	28.80	18.72	69.54	-50.82	100	211
7	22.76400	-10.08	28.30	18.22	69.54	-51.32	100	165
8	28.77760	-10.32	27.67	17.35	69.54	-52.19	100	336
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	0.05560	-11.36	57.59	46.23	112.71	-66.48	100	253
2	0.12780	-11.03	74.95	63.92	105.47	-41.55	100	226
3	0.38280	-10.89	53.21	42.32	95.94	-53.62	100	8
4	0.61570	-10.84	47.65	36.81	72.00	-35.19	100	293
5	6.52480	-10.72	29.86	19.14	69.54	-50.40	100	309
6	10.91300	-10.16	29.58	19.42	69.54	-50.12	100	304
7	14.97570	-9.87	29.11	19.24	69.54	-50.30	100	172
8	24.28050	-10.02	28.61	18.59	69.54	-50.95	100	2
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA GROUND-PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.12780	-11.03	71.59	60.56	105.47	-44.91	100	151
2	0.13350	-10.96	36.76	25.80	105.09	-79.29	100	202
3	0.38280	-10.89	48.73	37.84	95.94	-58.10	100	311
4	5.84420	-10.79	28.80	18.01	69.54	-51.53	100	94
5	12.15480	-10.07	28.40	18.33	69.54	-51.21	100	258
6	16.97130	-10.00	28.21	18.21	69.54	-51.33	100	228
7	22.28340	-10.11	27.44	17.33	69.54	-52.21	100	96
8	26.54770	-10.12	27.51	17.39	69.54	-52.15	100	261

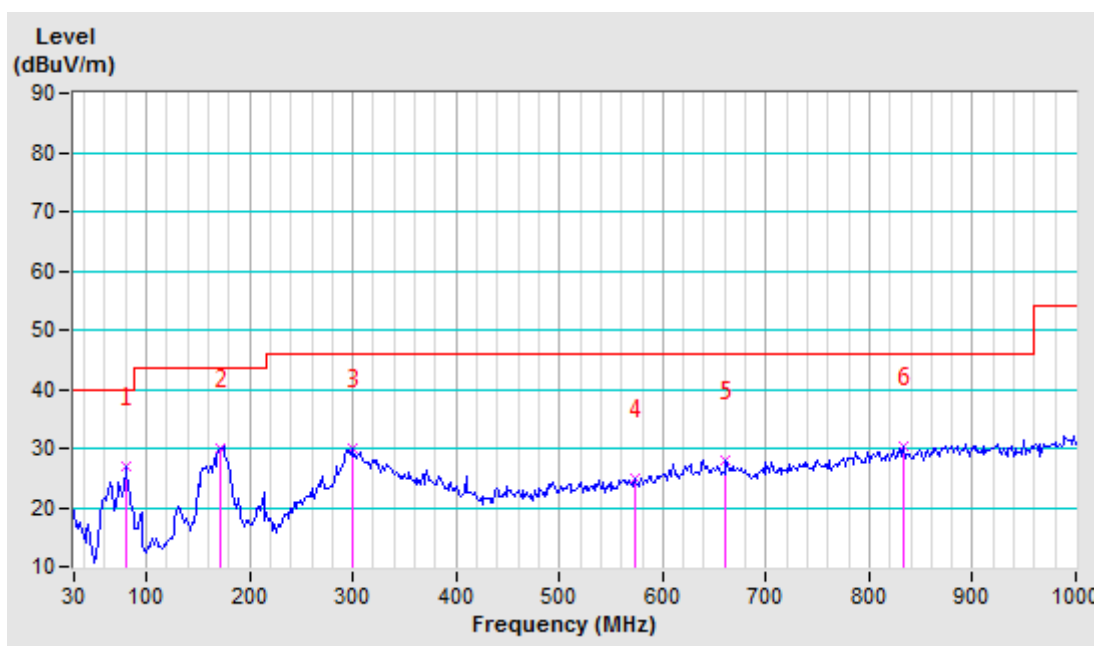
Remarks:

1. Emission Level(dBuA/m) = Raw Value(dBuA) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * ”: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.

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

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	76.63	-21.82	52.54	30.72	40.00	-9.28	100	0
2	159.02	-16.69	43.76	27.07	43.50	-16.43	100	0
3	236.75	-16.14	45.79	29.65	46.00	-16.35	100	0
4	317.58	-11.14	44.41	33.27	46.00	-12.73	100	0
5	441.94	-7.94	32.06	24.12	46.00	-21.88	100	0
6	575.62	-4.32	29.59	25.27	46.00	-20.73	100	0

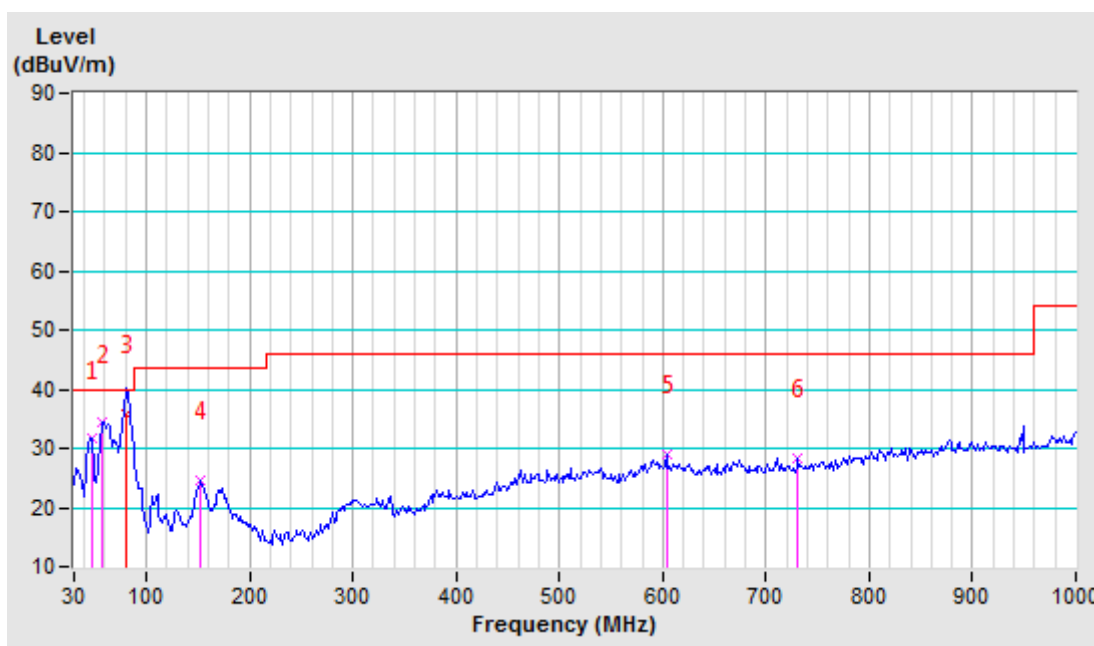
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions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



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

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	47.10	-18.76	50.30	31.54	40.00	-8.46	100	312
2	57.98	-22.68	57.00	34.32	40.00	-5.68	100	329
3	81.00	-21.16	56.86	35.70	40.00	-4.30	100	0
4	152.80	-16.54	41.19	24.65	43.50	-18.85	100	291
5	603.61	-3.92	32.95	29.03	46.00	-16.97	100	278
6	731.07	-2.04	30.29	28.25	46.00	-17.75	100	268

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	F	Frequency Range	9 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	KAMIKO

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	0.07470	-11.19	69.08	57.89	110.13	-52.24	100	189
2	0.12780	-11.03	97.07	86.04	105.47	-19.43	100	360
3	0.38280	-10.89	70.98	60.09	95.94	-35.85	100	8
4	0.63810	-10.81	60.63	49.82	71.72	-21.90	100	357
5	1.66050	-10.81	46.43	35.62	64.18	-28.56	100	360
6	3.19490	-10.70	36.81	26.11	69.54	-43.43	100	360
7	9.58460	-10.28	30.21	19.93	69.54	-49.61	100	174
8	13.15180	-9.99	29.19	19.20	69.54	-50.34	100	239
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	0.07490	-11.19	64.07	52.88	110.11	-57.23	100	243
2	0.12780	-11.03	92.57	81.54	105.47	-23.93	100	272
3	0.38280	-10.89	66.29	55.40	95.94	-40.54	100	276
4	0.63810	-10.81	55.20	44.39	71.72	-27.33	100	264
5	0.89330	-10.64	53.79	43.15	69.07	-25.92	100	282
6	7.09790	-10.65	31.17	20.52	69.54	-49.02	100	192
7	16.01460	-9.94	29.64	19.70	69.54	-49.84	100	156
8	22.10730	-10.12	29.63	19.51	69.54	-50.03	100	281
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA GROUND-PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.07470	-11.19	60.47	49.28	110.14	-60.86	100	206
2	0.12780	-11.03	90.34	79.31	105.47	-26.16	100	227
3	0.38280	-10.89	64.15	53.26	95.94	-42.68	100	234
4	0.89330	-10.64	50.23	39.59	69.07	-29.48	100	227
5	3.96200	-10.44	28.87	18.43	69.54	-51.11	100	330
6	9.33230	-10.31	28.29	17.98	69.54	-51.56	100	156
7	12.07570	-10.08	28.02	17.94	69.54	-51.60	100	138
8	17.24000	-10.03	28.27	18.24	69.54	-51.30	100	73

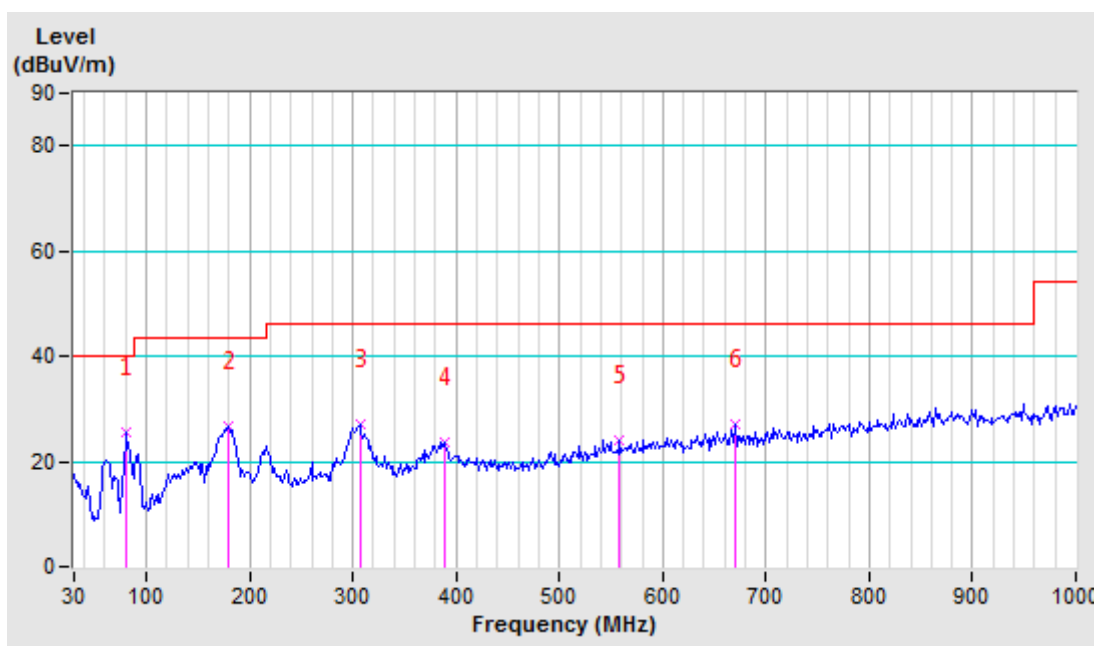
Remarks:

1. Emission Level(dBuA/m) = Raw Value(dBuA) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * ”: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.

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

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	79.74	-21.32	46.71	25.39	40.00	-14.61	100	0
2	179.23	-17.39	44.21	26.82	43.50	-16.68	100	0
3	306.70	-12.16	39.33	27.17	46.00	-18.83	100	0
4	389.09	-9.18	32.68	23.50	46.00	-22.50	100	0
5	558.53	-4.79	28.75	23.96	46.00	-22.04	100	0
6	670.45	-2.86	29.91	27.05	46.00	-18.95	100	0

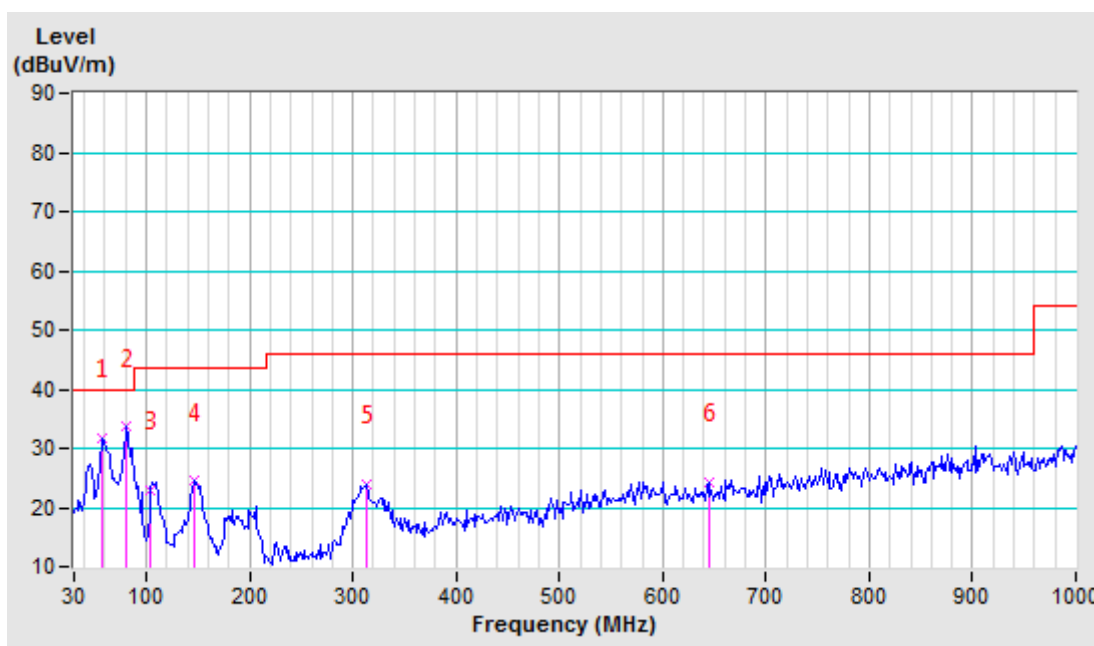
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions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



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

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	57.98	-22.68	54.50	31.82	40.00	-8.18	100	0
2	81.30	-21.13	54.71	33.58	40.00	-6.42	100	0
3	104.62	-17.70	40.73	23.03	43.50	-20.47	100	0
4	146.59	-16.29	40.78	24.49	43.50	-19.01	100	0
5	312.92	-11.71	35.65	23.94	46.00	-22.06	100	0
6	644.02	-3.19	27.41	24.22	46.00	-21.78	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	G	Frequency Range	9 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	21deg. C, 67% RH	Tested By	KAMIKO

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	0.06080	-11.31	66.21	54.90	111.92	-57.02	100	355
2	0.12780	-11.03	81.60	70.57	105.47	-34.90	100	289
3	0.38280	-10.89	59.62	48.73	95.94	-47.21	100	290
4	0.61720	-10.84	49.24	38.40	71.98	-33.58	100	63
5	0.89330	-10.64	47.64	37.00	69.07	-32.07	100	293
6	2.17240	-10.89	32.93	22.04	69.54	-47.50	100	327
7	10.67860	-10.17	29.26	19.09	69.54	-50.45	100	167
8	15.83700	-9.93	28.59	18.66	69.54	-50.88	100	175
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	0.04450	-11.44	63.43	51.99	114.63	-62.64	100	233
2	0.12780	-11.03	73.75	62.72	105.47	-42.75	100	200
3	0.38280	-10.89	52.88	41.99	95.94	-53.95	100	196
4	0.89330	-10.64	42.46	31.82	69.07	-37.25	100	189
5	3.19490	-10.70	32.63	21.93	69.54	-47.61	100	212
6	11.12640	-10.14	29.75	19.61	69.54	-49.93	100	243
7	16.40120	-9.97	29.01	19.04	69.54	-50.50	100	321
8	21.56550	-10.14	29.11	18.97	69.54	-50.57	100	108
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA GROUND-PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.04510	-11.43	59.60	48.17	114.51	-66.34	100	200
2	0.12780	-11.03	73.70	62.67	105.47	-42.80	100	274
3	0.38280	-10.89	54.07	43.18	95.94	-52.76	100	290
4	0.61420	-10.84	44.54	33.70	72.02	-38.32	100	60
5	5.83970	-10.79	28.67	17.88	69.54	-51.66	100	176
6	11.04580	-10.14	28.36	18.22	69.54	-51.32	100	301
7	15.80410	-9.92	27.86	17.94	69.54	-51.60	100	339
8	20.25950	-10.20	27.37	17.17	69.54	-52.37	100	130

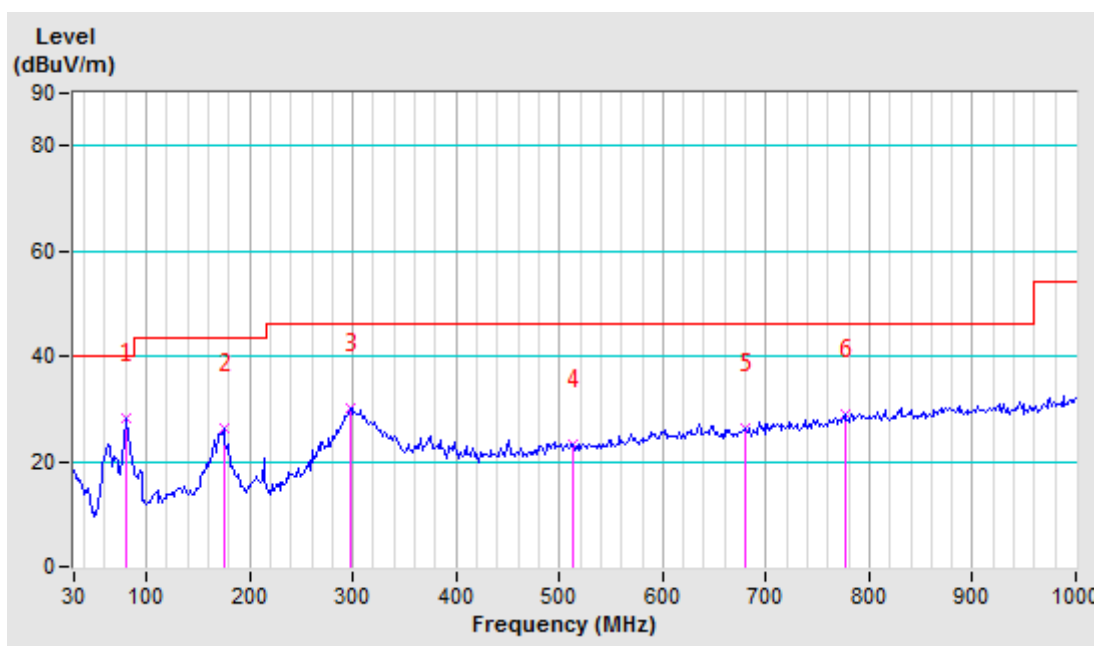
Remarks:

1. Emission Level(dBuA/m) = Raw Value(dBuA) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * ”: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.

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

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	79.74	-21.32	49.44	28.12	40.00	-11.88	100	0
2	174.57	-17.74	43.90	26.16	43.50	-17.34	100	0
3	297.37	-12.51	42.50	29.99	46.00	-16.01	100	0
4	513.45	-6.03	29.13	23.10	46.00	-22.90	100	0
5	679.78	-2.68	29.05	26.37	46.00	-19.63	100	0
6	776.15	-0.93	29.75	28.82	46.00	-17.18	100	0

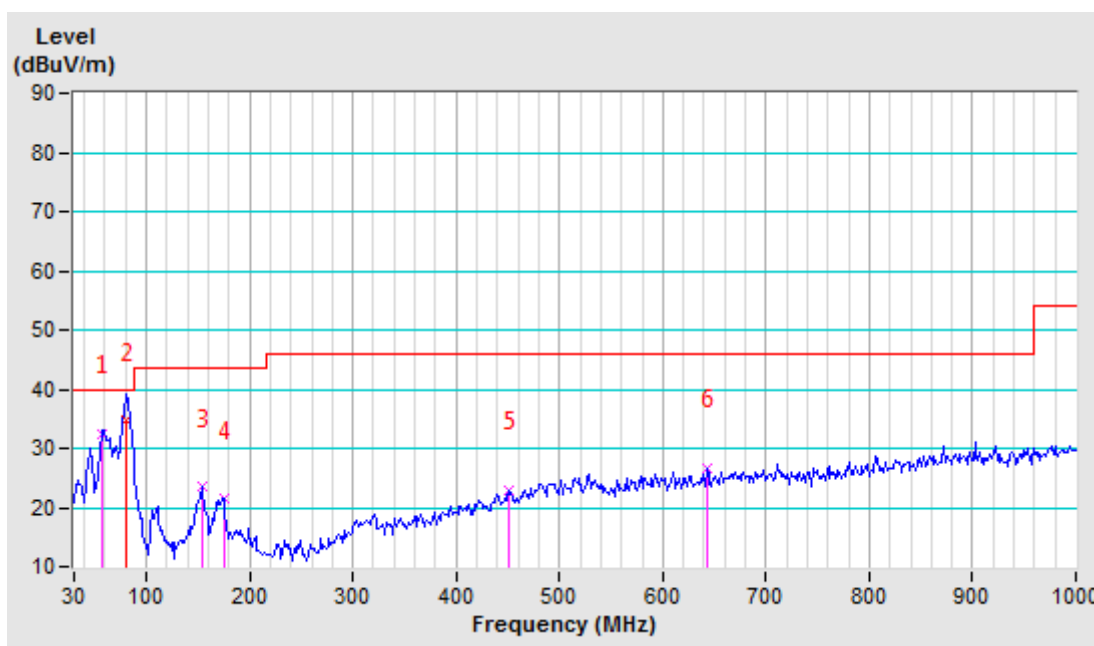
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions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



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

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	56.43	-22.83	55.30	32.47	40.00	-7.53	100	0
2	81.11	-21.15	55.75	34.60	40.00	-5.40	100	0
3	154.36	-16.56	39.97	23.41	43.50	-20.09	100	0
4	174.57	-17.74	39.12	21.38	43.50	-22.12	100	0
5	451.27	-7.58	30.49	22.91	46.00	-23.09	100	0
6	642.47	-3.17	29.73	26.56	46.00	-19.44	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.	Last Cal.	Next Cal.
Horn Antenna	ETS-Lindgren	3117	00062558	Jun. 23,19	Jun. 22,20
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170147	Jun. 23,19	Jun. 22,20
EMI Test Receiver	Rohde&Schwarz	ESU40	100449	Mar. 18,20	Mar. 17,21
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV40	101094	Mar. 18,20	Mar. 17,21
Broadband Preamplifier	SCHWARZBECK	BBV9718	305	Apr. 21,20	Apr. 20,21
Pre-Amplifier (18GHz-40GHz)	EMCI	EMC 184045	980102	Mar. 04,20	Mar. 03,21
Test Software	ADT	ADT_Radiated V7.6.15.9.2	N/A	N/A	N/A

NOTES:

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

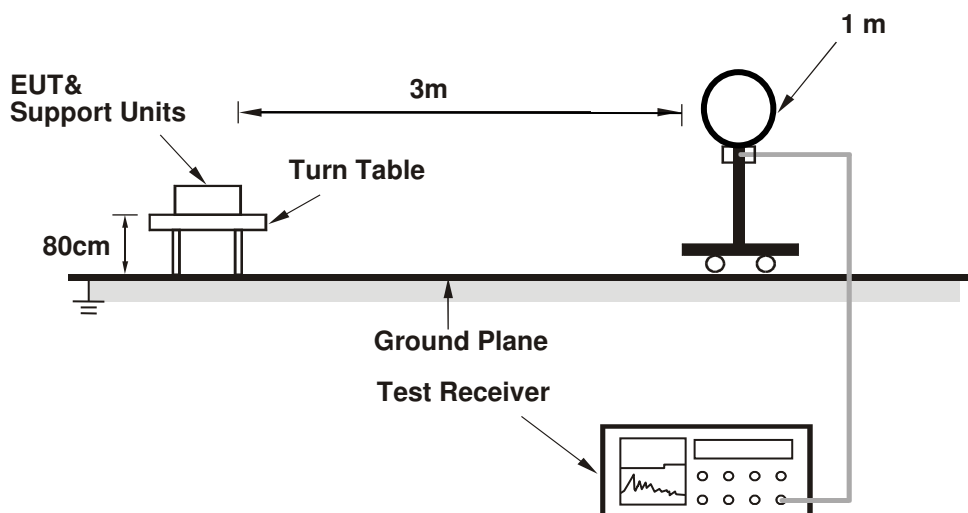
4.3.3 TEST PROCEDURE

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter Semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation. Then the Loop antenna was rotated 360 degrees to determine the position of the highest radiation.
- b. The antenna is a broadband loop antenna, which is fixed of a 1m height above the ground, and set away from 3m to the EUT to find the disturbance reading on each frequency.
- c. The test-receiver system was set to Quasi-peak detect function and specified bandwidth.

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.



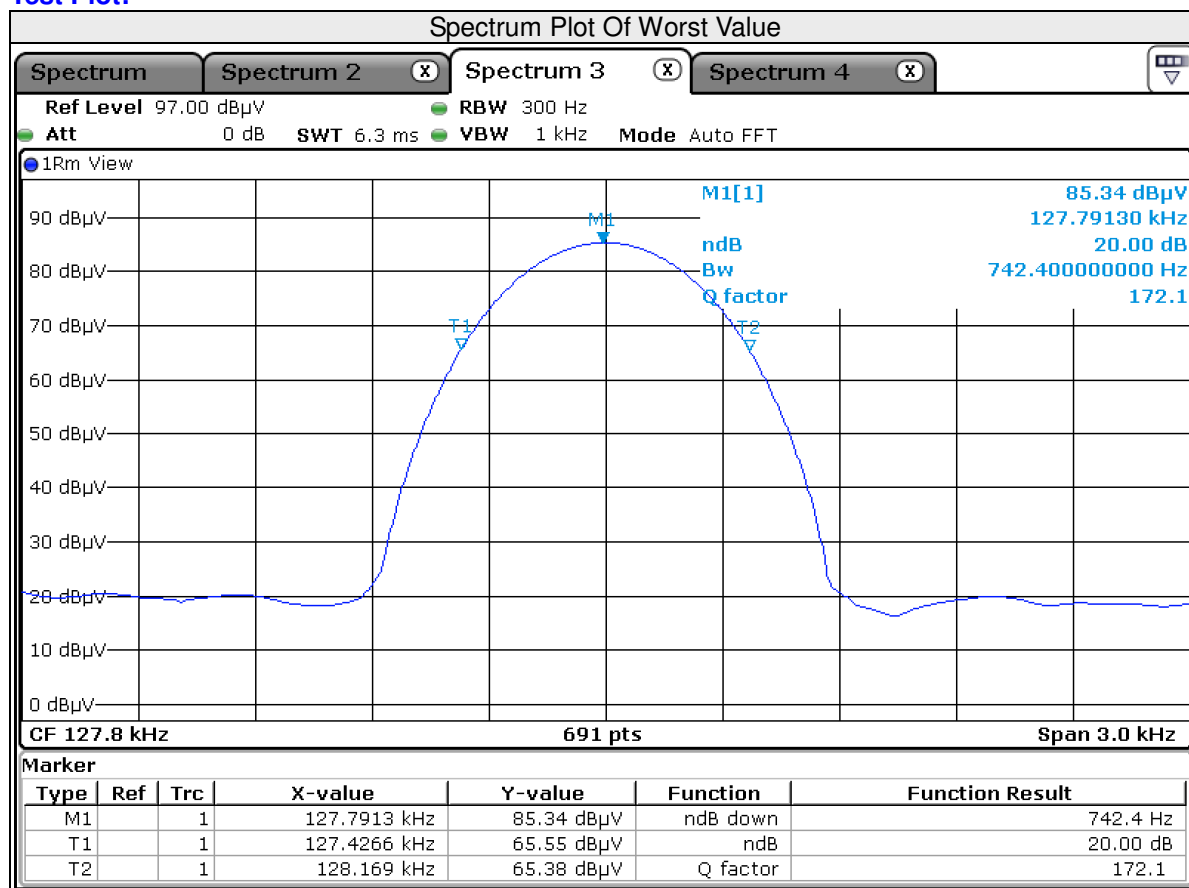
BUREAU
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Test Report No.: RF200326N003

4.3.7 TEST RESULTS

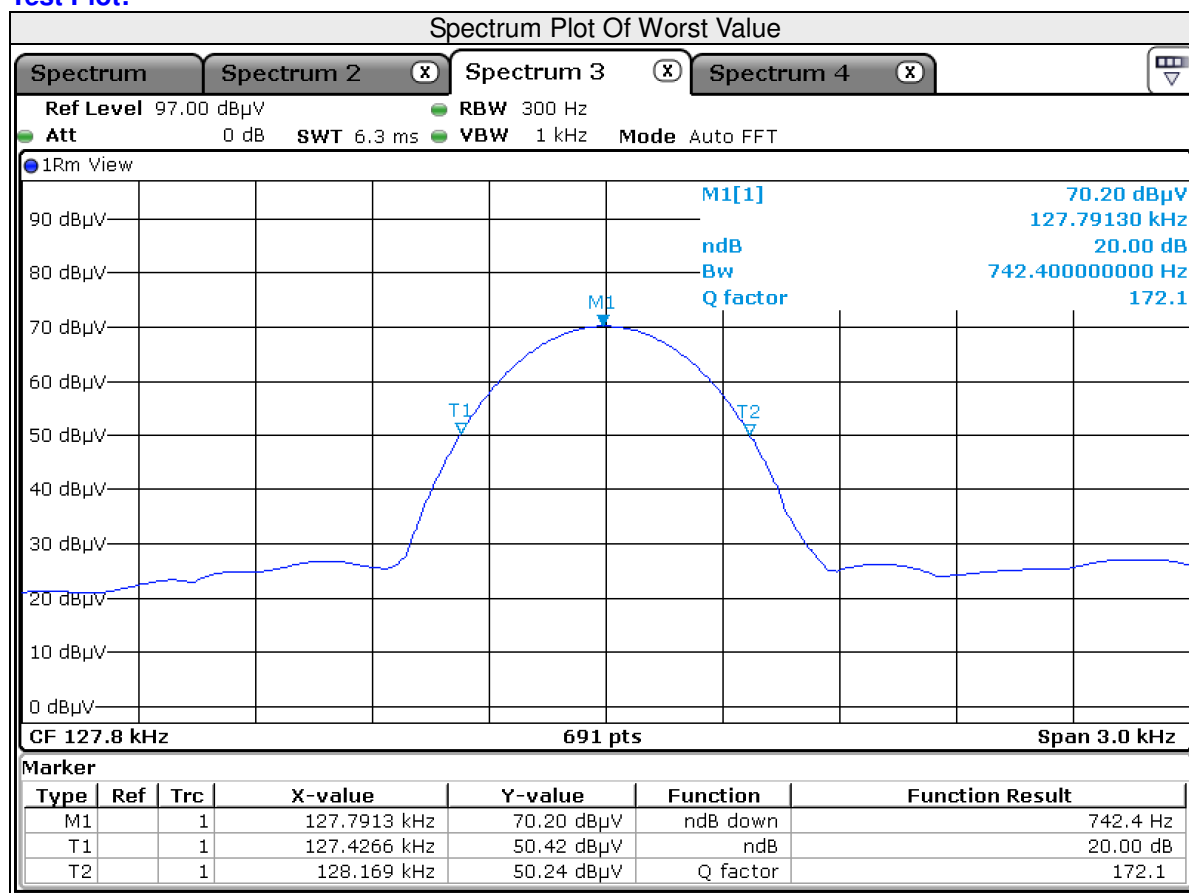
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
A	127.8	742.400

Test Plot:



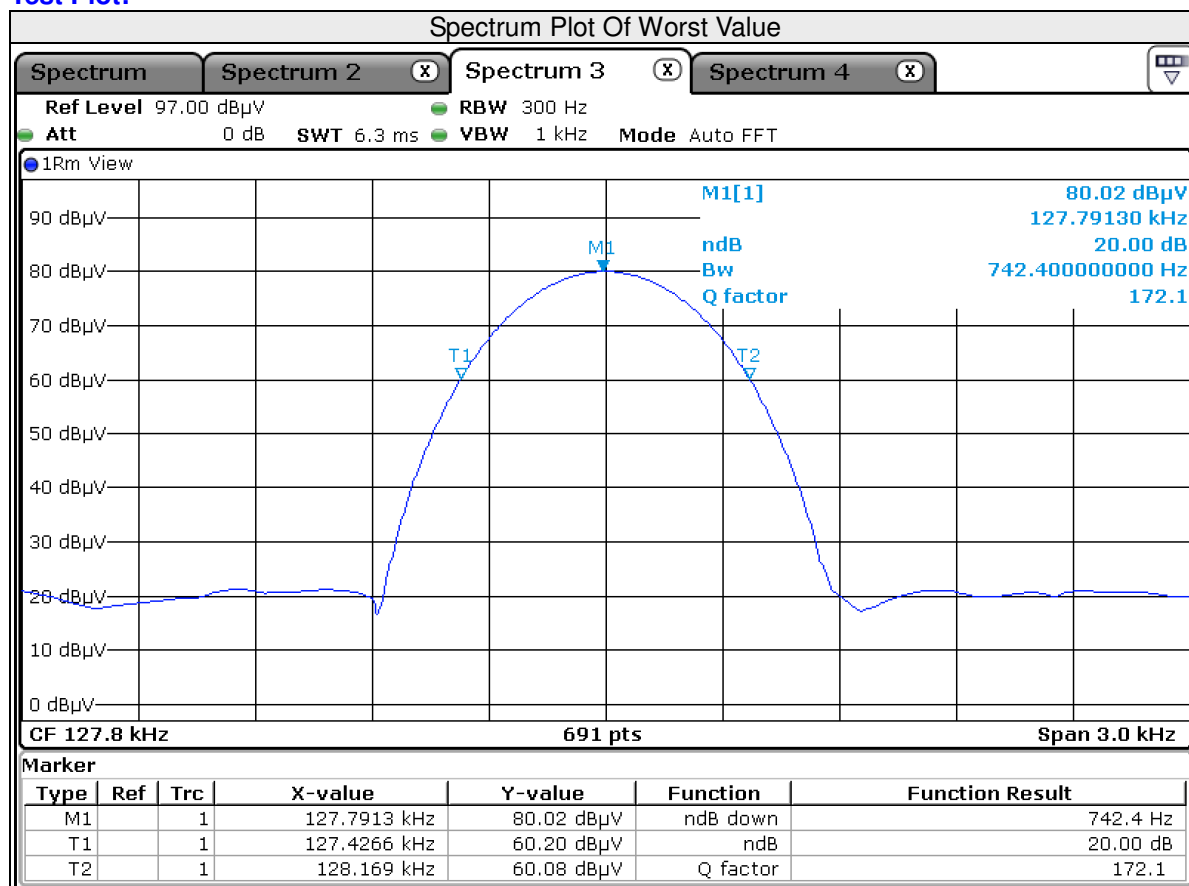
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
B	127.8	742.400

Test Plot:



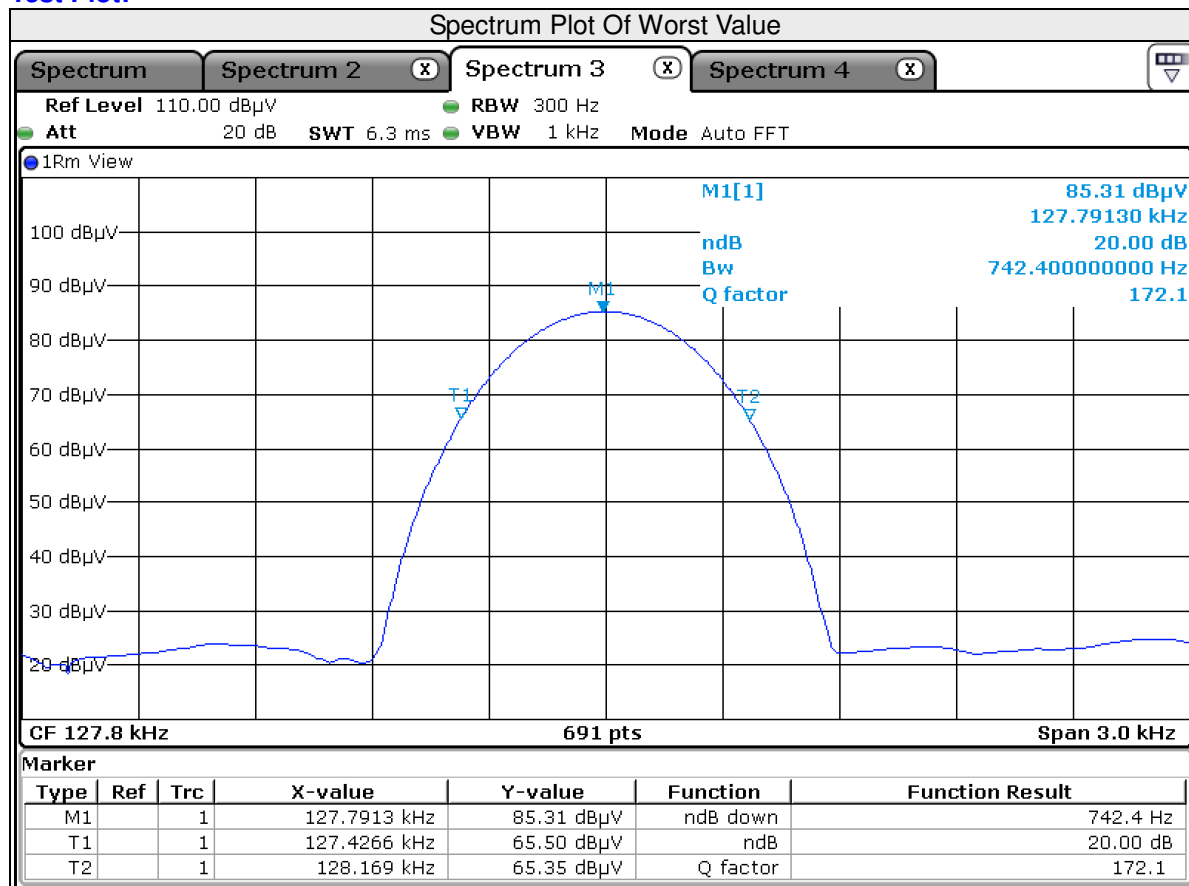
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
C	127.8	742.400

Test Plot:



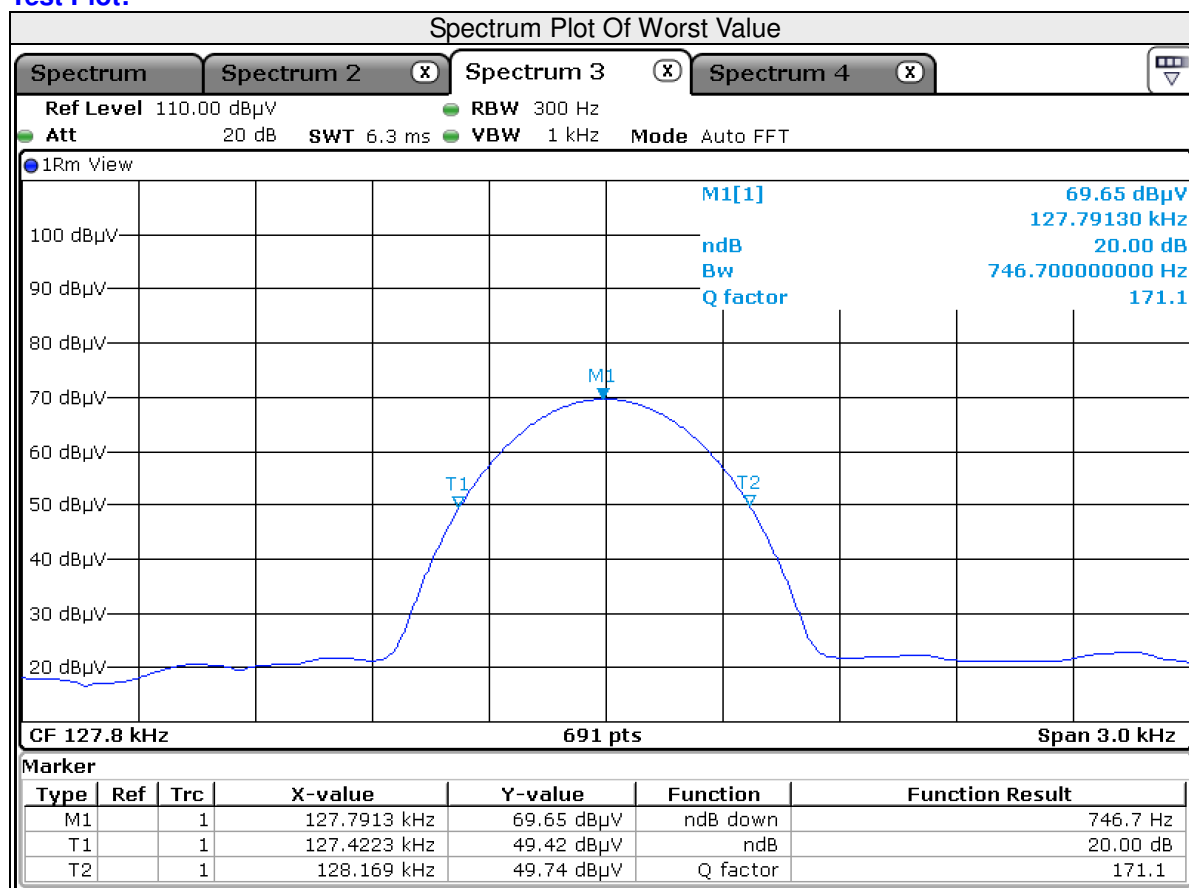
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
D	127.8	742.400

Test Plot:



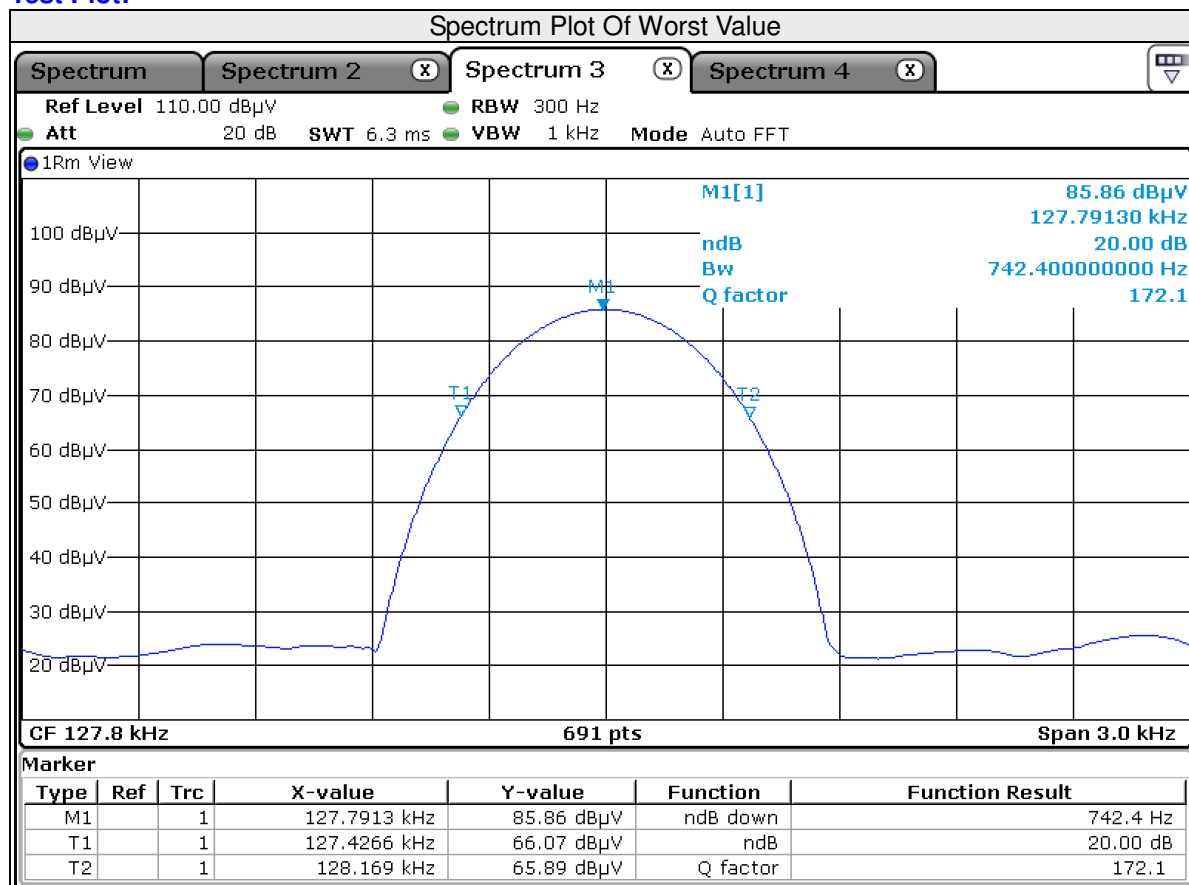
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
E	127.8	746.700

Test Plot:



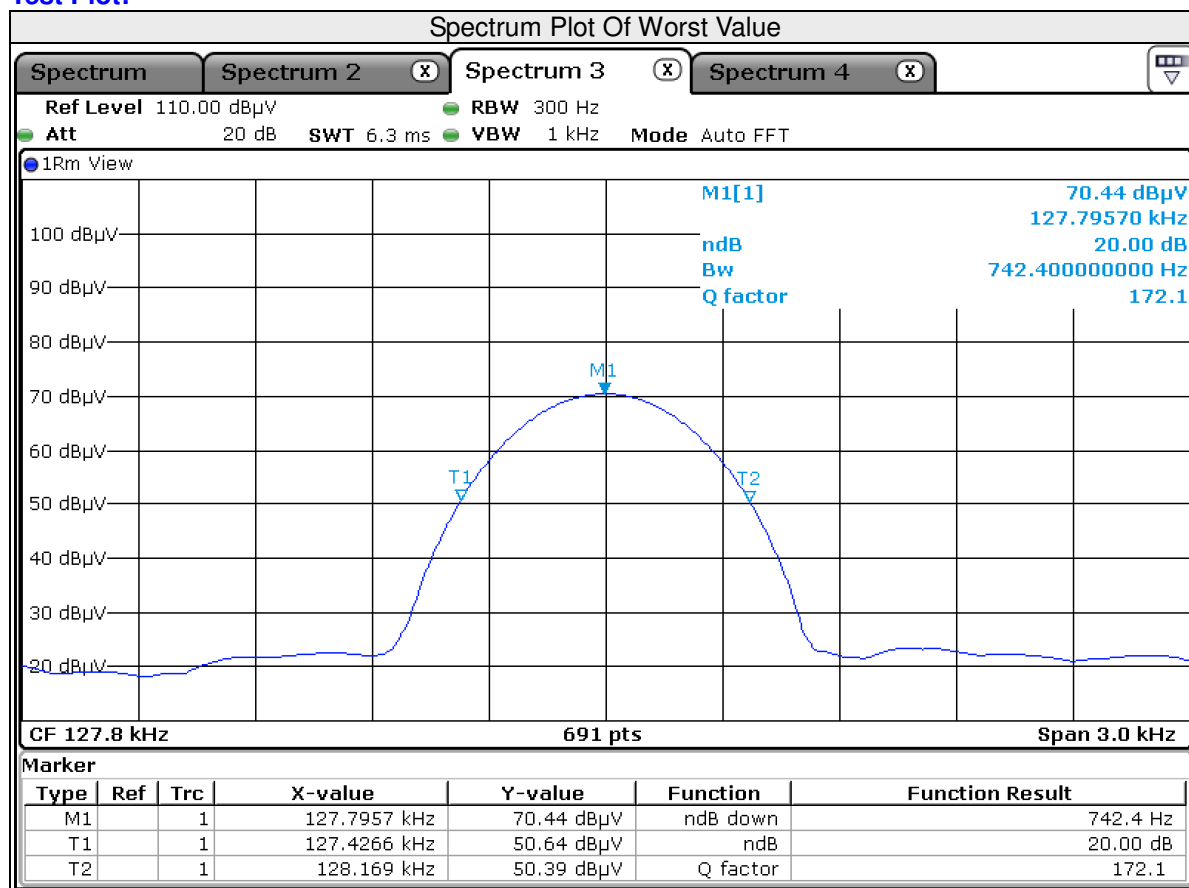
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
F	127.8	742.400

Test Plot:



Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
G	127.8	742.400

Test Plot:





Test Report No.: RF200326N003

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---