



Test Report No.: RF2101WDG0121



TEST REPORT



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

Manufacturer or Supplier	Belkin International, Inc.
Address	12045 East Waterfront Drive, Playa Vista, CA 90094 USA
Product	BOOST↑CHARGE™ Magnetic Portable Wireless Charger
Brand Name	belkin
Model	BPD001
Additional Model & Model Difference	N/A
Date of tests	Jan. 12, 2021 ~ Feb. 04, 2021

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

FCC Part 15, Subpart C

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

Tested by Lucas Chen Project Engineer / EMC Department	Approved by Glyn He Assistant Manager/ EMC Department
	
	Date: Mar. 09, 2021

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Test Report No.: RF2101WDG0121

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF2101WDG0121	Original release	Mar. 09, 2021

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

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

2 MEASUREMENT UNCERTAINTY

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

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	9kHz~30MHz	3.05dB
Radiated emissions	9KHz ~ 30MHz	2.16dB
	30MHz ~ 1GMHz	3.82dB

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



3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	BOOST↑CHARGE™ Magnetic Portable Wireless Charger
MODEL NO.	BPD001
ADDITIONAL MODEL	N/A
FCC ID	K7SBPD001
POWER SUPPLY	Input USB-C: 5.0V=3.0A, 9.0V=2.0A Output USB-A: 5.0V=2.4A Output USB-C: 5.0V=3.0A, 9.0V=2.0A, 12.0V=1.5A Output (USB-A and USB-C shared): total 5.0V=3.0A, 15.0W Output wireless: 5V=5W, 7.5V=7.5W, 9V=10W Cell Capacity: 37Wh, 3.7V 10000mAh
MODULATION TYPE	FSK
OPERATING FREQUENCY RANGE	111KHz ~ 148KHz
I/O PORTS	Coil Antenna
FIELD STRENGTH	62.12 dBuV/m
MAXIMUM POWER OUTPUT FROM THE CHARGING COIL	Max Power is 10W
CABLE SUPPLIED	See notes 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.: 2101WDG0121) for detailed product photo.
4. The cable supplied is as follows:

ID	Descriptions	Qty.	Length(m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	EUT USB-C to USB-C black cable	1	1.0m	Y	0	BPD001btBK
2	EUT USB-C to USB-C white cable	1	1.0m	Y	0	BPD001btWH

Note: Cable 1 and cable 2 are identical except the color of appearance, cable 1 was selected for all test.

3.2 DESCRIPTION OF TEST MODES

The following test frequencies are provided to this EUT:

Operating Frequency Range(KHz)	Tested Frequency(KHz)	Mode
111 ~ 148	127.78	Standby(EUT(battery full))
111 ~ 148	140.00	Receiver load operating(battery full))
111 ~ 148	127.78	Standby(USB-C INPUT)
111 ~ 148	140.10	Receiver load operating(USB-C 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	√	-	√	Receiver load operating(battery full))
C	√	√	√	Standby(USB-C INPUT)
D	√	√	√	Receiver load operating(USB-C INPUT)

Where **RE<1G**: Radiated Emission below 1GHz
20BW: 20dB Bandwidth

PLC: Power Line Conducted Emission

Note:

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

Radiated Emission Test (Below 1GHz):

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

EUT configure mode	Operating Frequency Range(KHz)	Tested Frequency(KHz)	Modulation Type
A/C	111 ~ 148	127.78	FSK
B/D	111 ~ 148	140.00/140.10	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
C	111 ~ 148	127.78	FSK
D	111 ~ 148	140.10	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/C	111 ~ 148	127.78	FSK
B/D	111 ~ 148	140.00/140.10	FSK

TEST CONDITION:

Applicable to	Environmental conditions	Input Power	Tested by
RE<1G	23 °C, 53% RH /30 °C, 58% RH	DC 3.7V From Fully Battery or AC 120V/60Hz	Ray/Jelly
PLC	18 °C, 39% RH	AC 120V/60Hz	Ming Bai
20BW	24 °C, 64% RH	DC 3.7V From Fully Battery or AC 120V/60Hz	Daniel

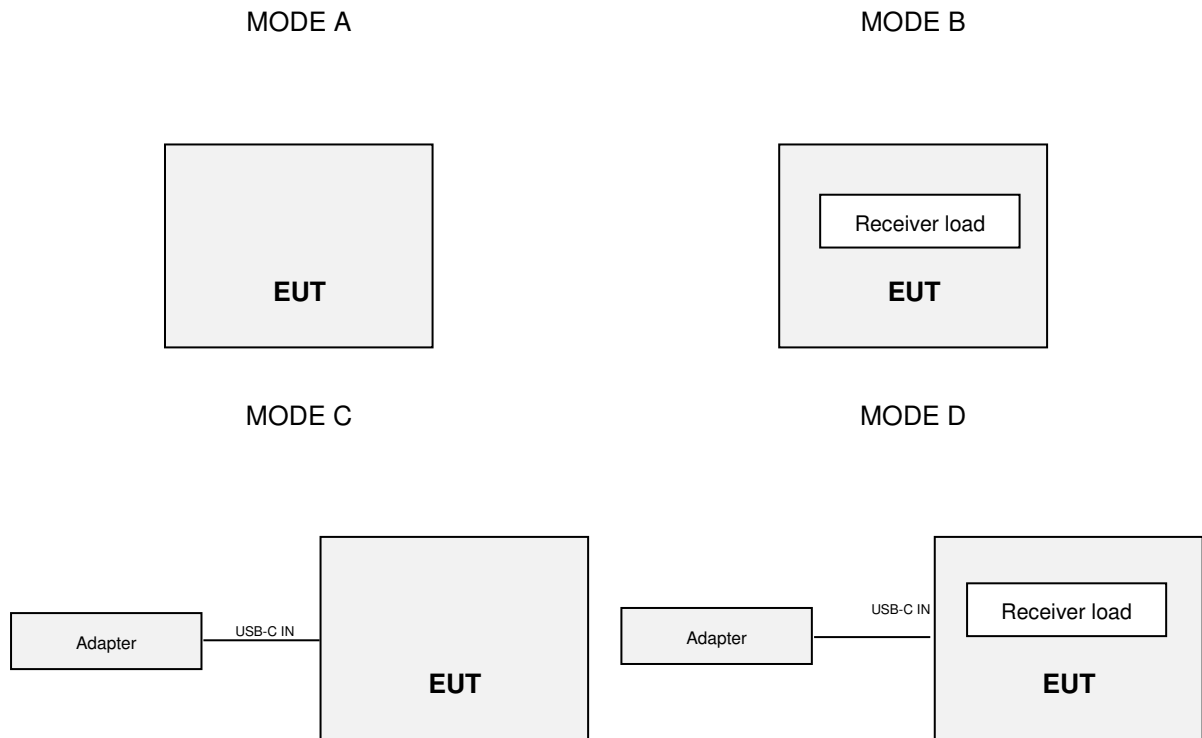
3.4 DESCRIPTION OF SUPPORT UNITS

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	Receiver load	N/A	N/A	N/A	N/A
2	Adapter	N/A	HKAP3231B-20US	N/A	N/A

NO.	DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	N/A
2	USB-C to USB-C cable: Shielded, detachable 1.2m

3.5 CONFIGURATION OF SYSTEM UNDER TEST



3.6 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

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

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



4 EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

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

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

4.1.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101494	Mar. 17,21
Artificial Mains Network	Rohde&Schwarz	ENV216	101173	Mar. 17,21
Artificial Mains Network	Rohde&Schwarz	ESH3-Z5	100317	Mar. 17,21
Voltage probe	SCHWARZBECK	TK 9421	TK 9421-176	Sep. 17,21
Test software	ADT	ADT_Conc_V 7.3.7	N/A	N/A

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

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.

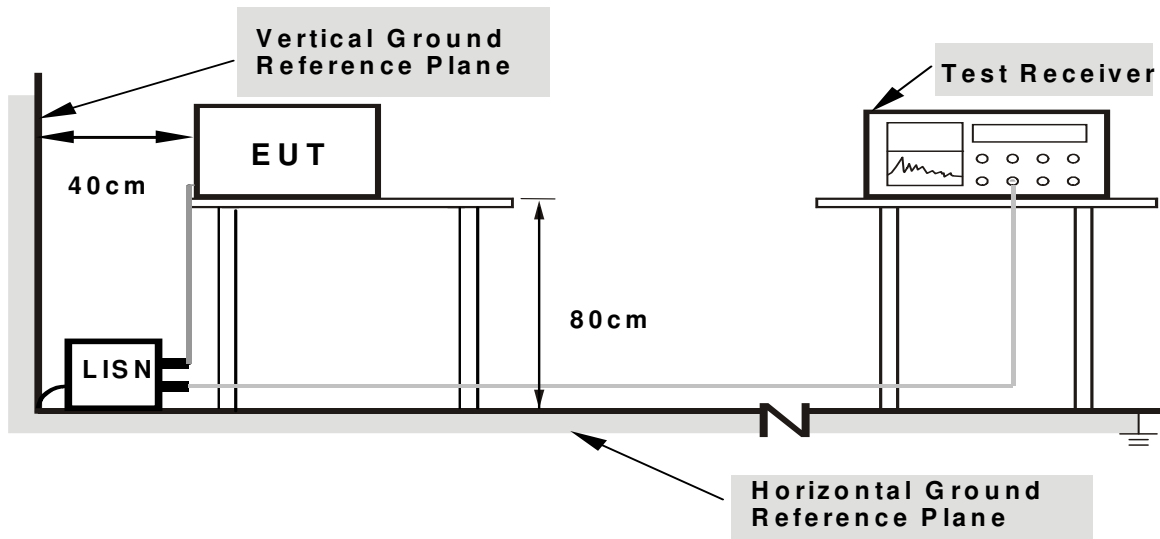
NOTES:

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

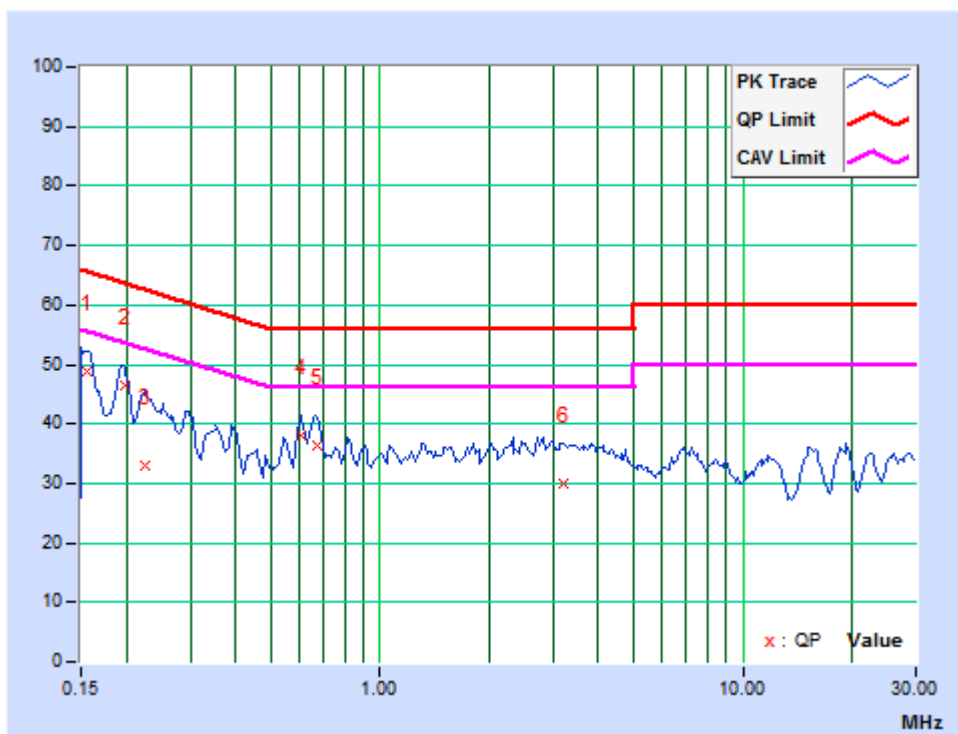
- a. Turn on the EUT.
- b. The EUT tested in charging mode and standby mode respectively.

4.1.7 TEST RESULTS

TEST MODE	C	PHASE	Line(L)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	18deg. C, 39% 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	0.15675	9.77	39.08	21.30	48.85	31.07	65.63	55.63	-16.79	-24.57
2	0.19725	9.78	36.73	20.25	46.51	30.03	63.73	53.73	-17.22	-23.70
3	0.22606	9.79	23.28	11.34	33.07	21.13	62.59	52.59	-29.52	-31.46
4	0.60725	9.84	28.04	17.79	37.88	27.63	56.00	46.00	-18.12	-18.37
5	0.67475	9.83	26.65	17.32	36.48	27.15	56.00	46.00	-19.52	-18.85
6	3.19875	9.86	20.27	13.06	30.13	22.92	56.00	46.00	-25.87	-23.08

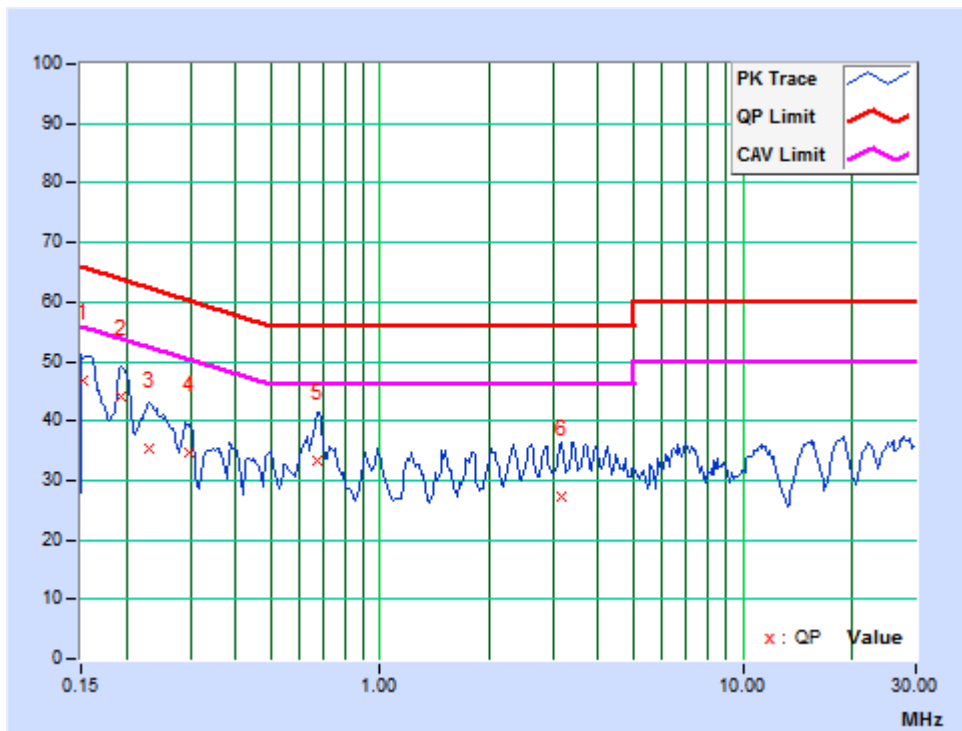
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	C	PHASE	Neutral (N)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	18deg. C, 39% 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	0.15225	9.70	37.25	14.67	46.95	24.37	65.88	55.88	-18.93	-31.51
2	0.19300	9.71	34.47	12.62	44.18	22.33	63.91	53.91	-19.73	-31.58
3	0.23209	9.73	25.49	4.63	35.22	14.36	62.37	52.37	-27.16	-38.02
4	0.29850	9.76	24.98	8.45	34.74	18.21	60.28	50.28	-25.55	-32.08
5	0.66975	9.78	23.64	11.97	33.42	21.75	56.00	46.00	-22.58	-24.25
6	3.14925	9.80	17.38	6.83	27.18	16.63	56.00	46.00	-28.82	-29.37

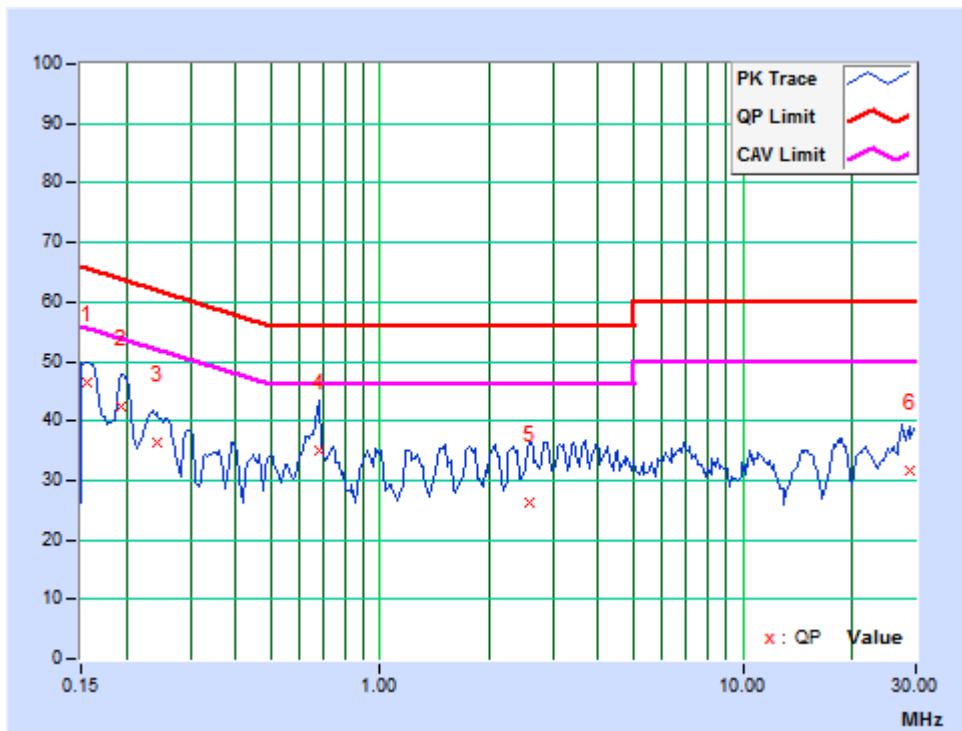
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	D	PHASE	Line(L)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	18deg. C, 39% 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	0.15632	9.77	36.69	18.76	46.46	28.53	65.66	55.66	-19.20	-27.13
2	0.19815	9.78	34.16	18.98	43.94	28.76	63.69	53.69	-19.75	-24.93
3	0.29811	9.82	25.49	13.52	35.31	23.34	60.30	50.30	-24.99	-26.96
4	0.60900	9.84	28.01	16.37	37.85	26.21	56.00	46.00	-18.15	-19.79
5	0.67475	9.83	28.93	17.56	38.76	27.39	56.00	46.00	-17.24	-18.61
6	3.32275	9.86	22.97	13.12	32.83	22.98	56.00	46.00	-23.17	-23.02

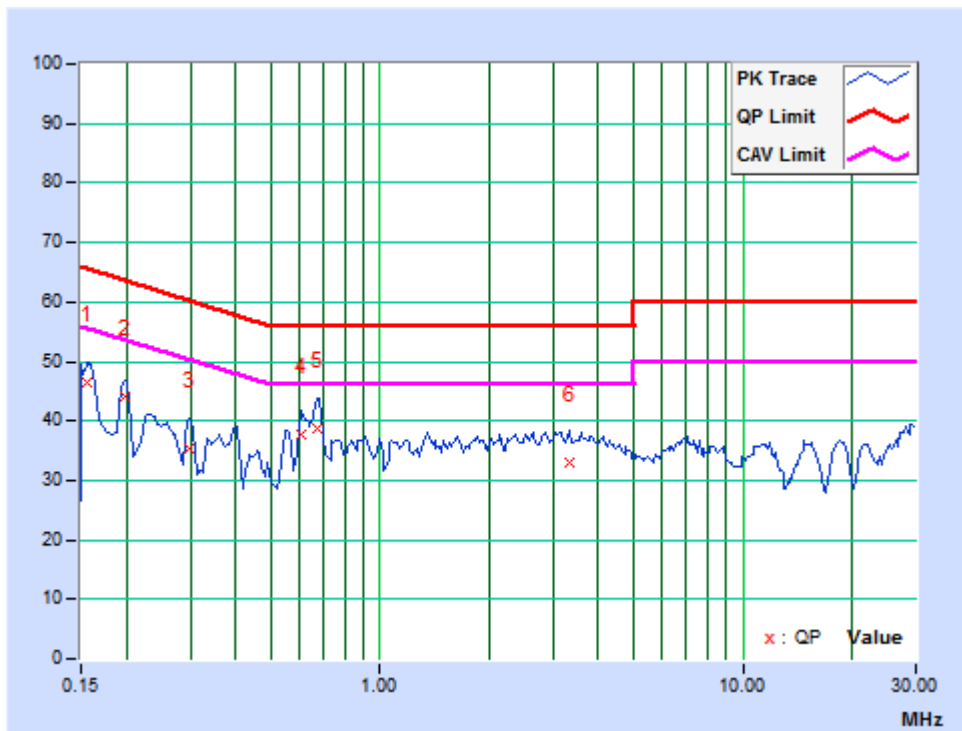
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	D	PHASE	Neutral (N)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	18deg. C, 39% 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	0.15632	9.70	36.78	19.01	46.48	28.71	65.66	55.66	-19.17	-26.94
2	0.19300	9.71	32.87	15.01	42.58	24.72	63.91	53.91	-21.33	-29.19
3	0.24225	9.73	26.69	12.35	36.42	22.08	62.02	52.02	-25.60	-29.94
4	0.68100	9.77	25.29	15.37	35.06	25.14	56.00	46.00	-20.94	-20.86
5	2.59575	9.80	16.63	10.67	26.43	20.47	56.00	46.00	-29.57	-25.53
6	28.72050	10.80	21.01	14.62	31.81	25.42	60.00	50.00	-28.19	-24.58

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





4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

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

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

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

NOTES:

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



4.2.2 TEST INSTRUMENTS

FREQUENCY 9KHz-30MHz

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101564	Mar. 17,21
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	1519B-045	May 27,21
Amplifier	Burgeon	BPA-530	100210	Mar. 14,21
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	ESU40	100449	Mar. 17,21
Bilog Antenna	Teseq	CBL 6111D	30643	Jun. 22,21
Amplifier	Burgeon	BPA-530	100220	Mar. 14,21
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	NSEMC003	Apr. 20,21
Test software	ADT	ADT_Radiated_V 7.6.15.9.2	N/A	N/A

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



4.2.3 TEST PROCEDURE

< Below 30MHz >

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

<30MHz~1GHz >

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

NOTES:

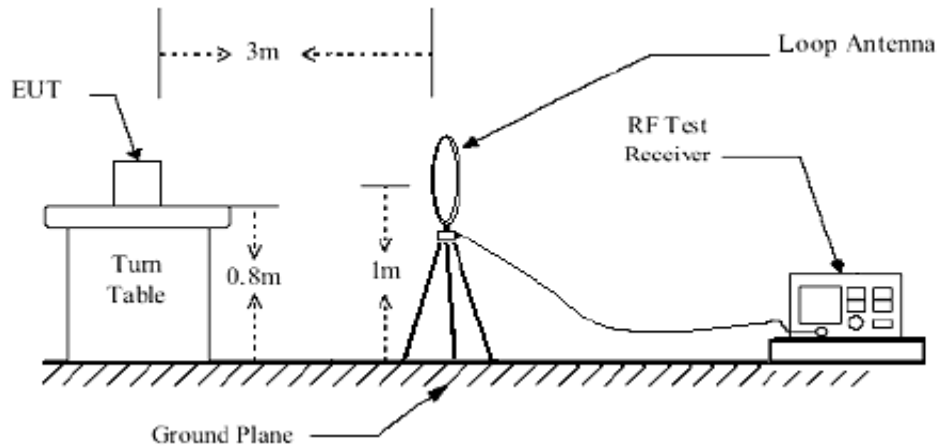
1. The resolution bandwidth of test receiver/spectrum analyzer is 100kHz for peak detection (PK) at fundamental frequency below 30MHz; The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at radiated spurious emission frequency below 1GHz.
2. Emission level(dBuV/m)=Raw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

4.2.4 DEVIATION FROM TEST STANDARD

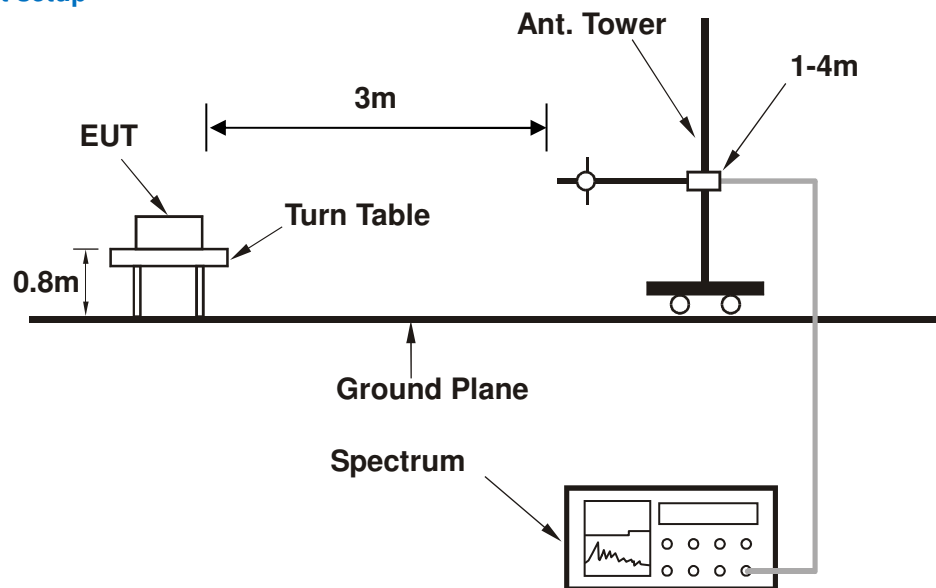
No deviation.

4.2.5 TEST SETUP

Below 30MHz test setup



Below 1GHz test setup



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

4.2.6 EUT OPERATING CONDITIONS

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

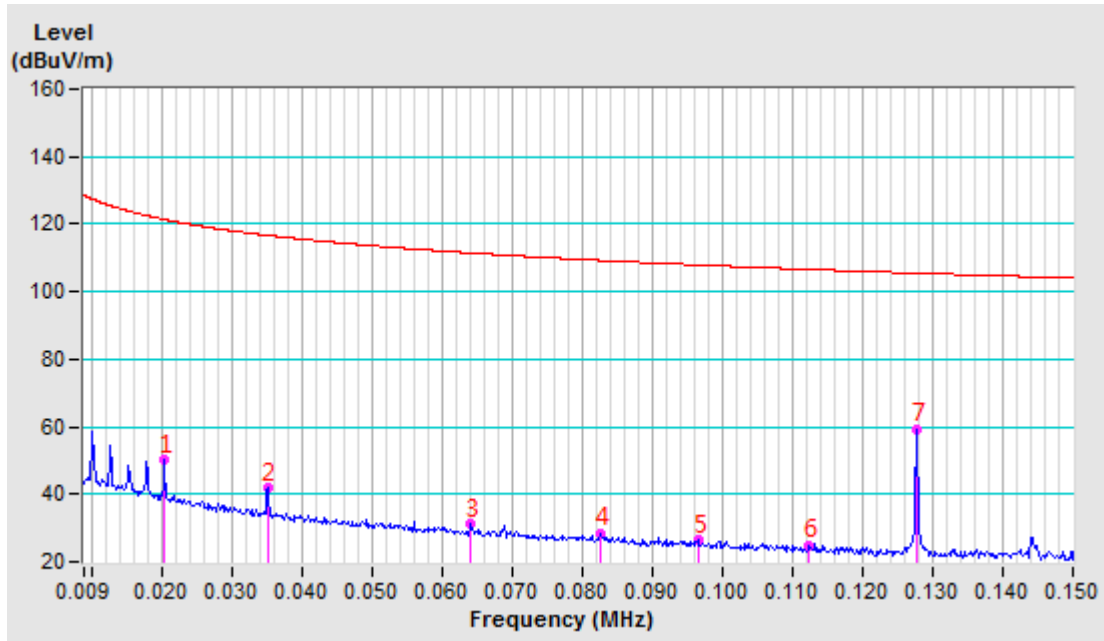


4.2.7 TEST RESULTS

Standby Mode

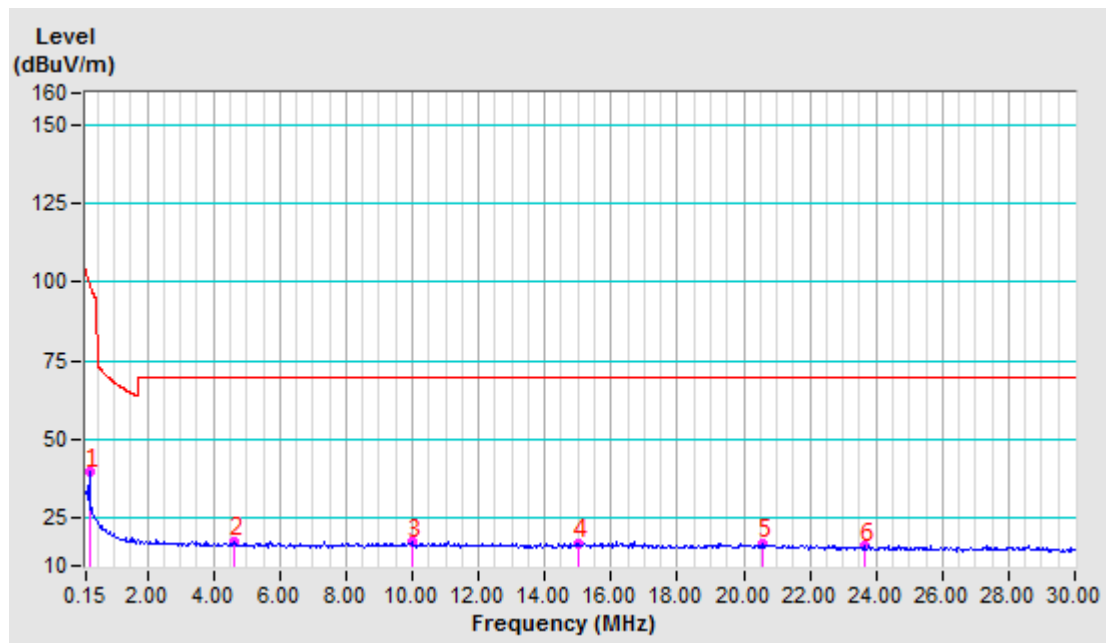
Test Mode	A	Frequency Range	9 kHz ~ 150 kHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

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	0.0205 AV	-10.67	60.75	50.08	121.38	-71.30	100	24
2	0.0351 AV	-11.34	53.17	41.83	116.69	-74.86	100	29
3	0.0642 AV	-11.60	42.78	31.18	111.45	-80.27	100	351
4	0.0825 AV	-11.68	40.06	28.38	109.27	-80.89	100	178
5	0.0966 QP	-11.76	38.00	26.24	107.91	-81.67	100	280
6	0.1123 AV	-11.80	36.78	24.98	106.59	-81.61	100	198
7	0.1278 AV	-11.84	71.27	59.43	105.47	-46.04	100	148



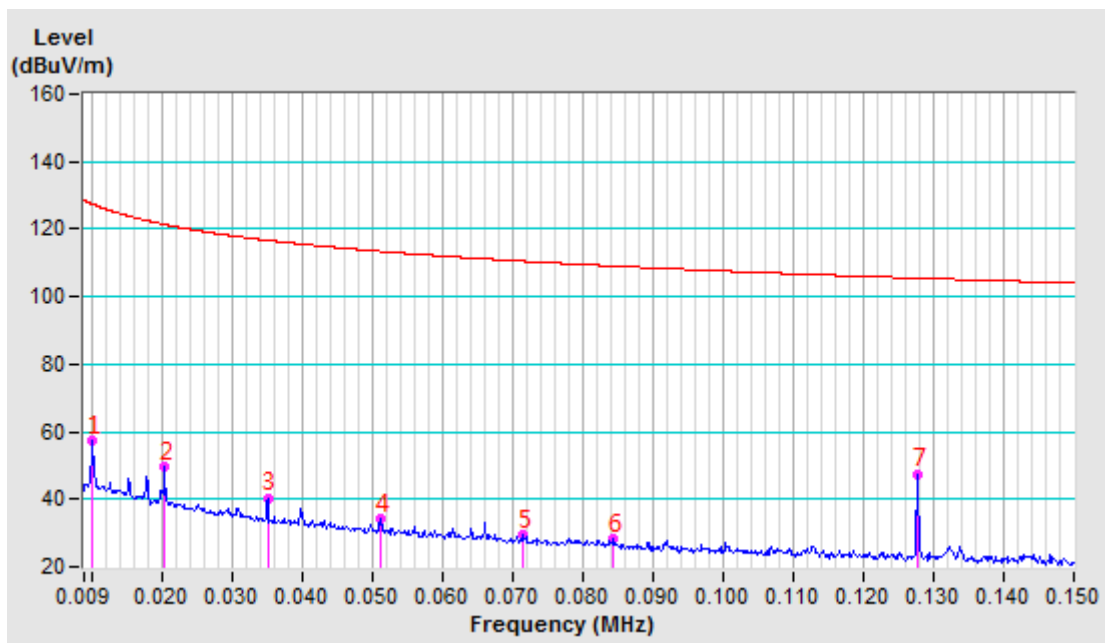
Test Mode	A	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

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	0.2545 AV	-12.08	51.69	39.61	99.49	-59.88	100	232
2	4.6292 QP	-11.95	29.41	17.46	69.54	-52.08	100	247
3	10.0189 QP	-11.75	29.06	17.31	69.54	-52.23	100	120
4	15.0026 QP	-11.54	28.75	17.21	69.54	-52.33	100	90
5	20.5490 QP	-11.42	28.56	17.14	69.54	-52.40	100	49
6	23.6700 QP	-11.55	27.61	16.06	69.54	-53.48	100	174



Test Mode	A	Frequency Range	9 kHz ~ 150 kHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

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	0.0102 AV	-10.05	67.14	57.09	127.40	-70.31	100	360
2	0.0205 AV	-10.67	60.37	49.70	121.38	-71.68	100	360
3	0.0351 AV	-11.34	51.67	40.33	116.69	-76.36	100	280
4	0.0512 AV	-11.56	45.52	33.96	113.42	-79.46	100	137
5	0.0714 AV	-11.63	40.92	29.29	110.53	-81.24	100	240
6	0.0844 AV	-11.69	39.88	28.19	109.07	-80.88	100	185
7	0.1278 AV	-11.84	59.33	47.49	105.47	-57.98	100	49



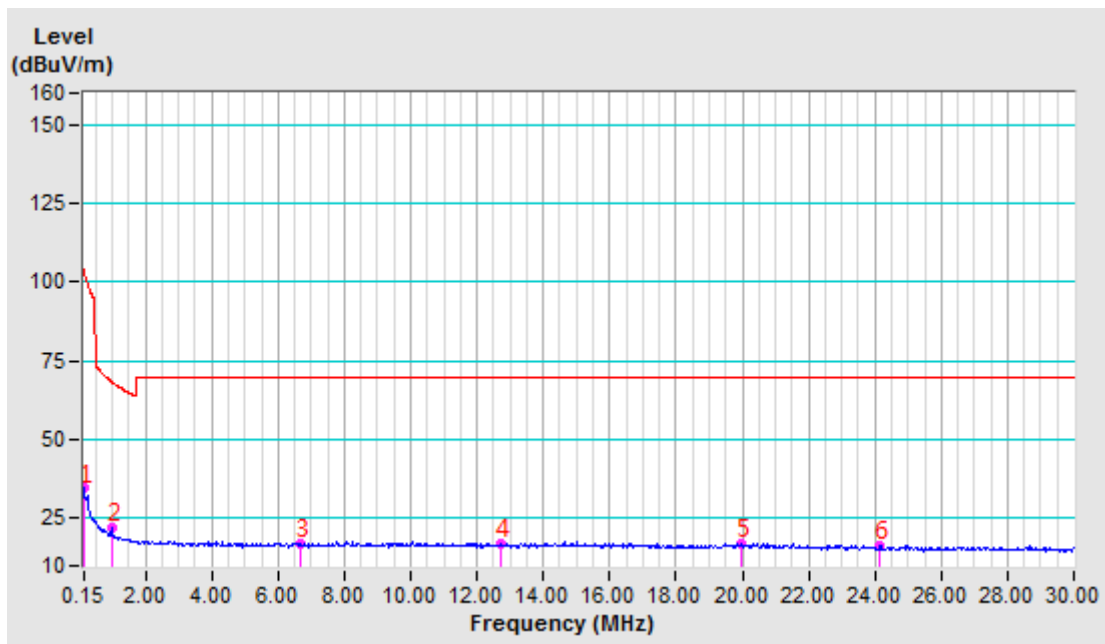


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Test Report No.: RF2101WDG0121

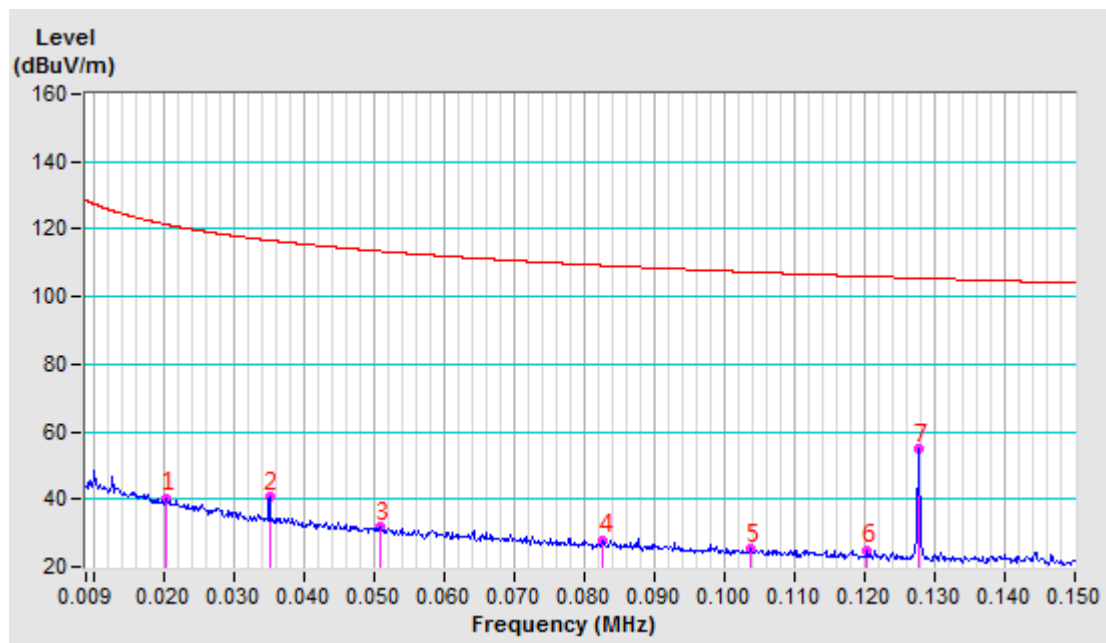
est Mode	A	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

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	0.1530 AV	-11.88	46.40	34.52	103.91	-69.39	100	348
2	0.9739 QP	-12.00	33.95	21.95	68.38	-46.43	100	102
3	6.6502 QP	-11.95	29.05	17.10	69.54	-52.44	100	308
4	12.7369 QP	-11.68	28.73	17.05	69.54	-52.49	100	62
5	19.9445 QP	-11.37	28.14	16.77	69.54	-52.77	100	151
6	24.1536 QP	-11.58	28.17	16.59	69.54	-52.95	100	298



Test Mode	A	Frequency Range	9 kHz ~ 150 kHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

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	0.0205 AV	-10.67	50.98	40.31	121.36	-81.05	100	76
2	0.0351 AV	-11.34	52.00	40.66	116.69	-76.03	100	63
3	0.0509 AV	-11.56	43.26	31.70	113.46	-81.76	100	23
4	0.0828 AV	-11.68	39.56	27.88	109.24	-81.36	100	148
5	0.1039 QP	-11.79	36.85	25.06	107.27	-82.21	100	321
6	0.1204 AV	-11.82	36.74	24.92	105.99	-81.07	100	99
7	0.1278 AV	-11.84	66.64	54.80	105.47	-50.67	100	157



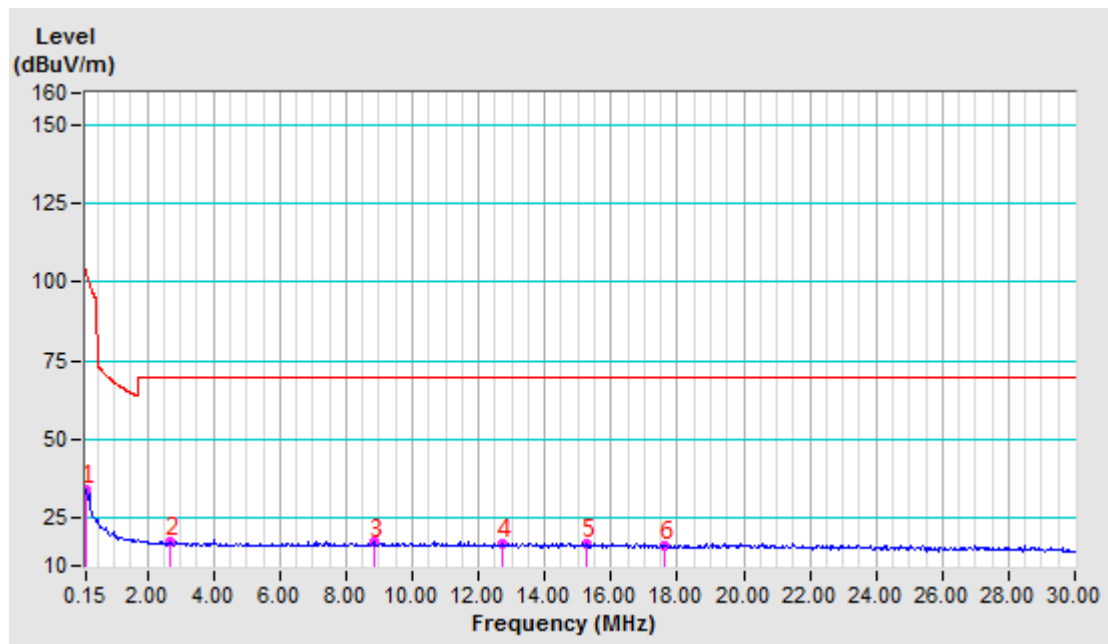


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Test Report No.: RF2101WDG0121

Test Mode	A	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

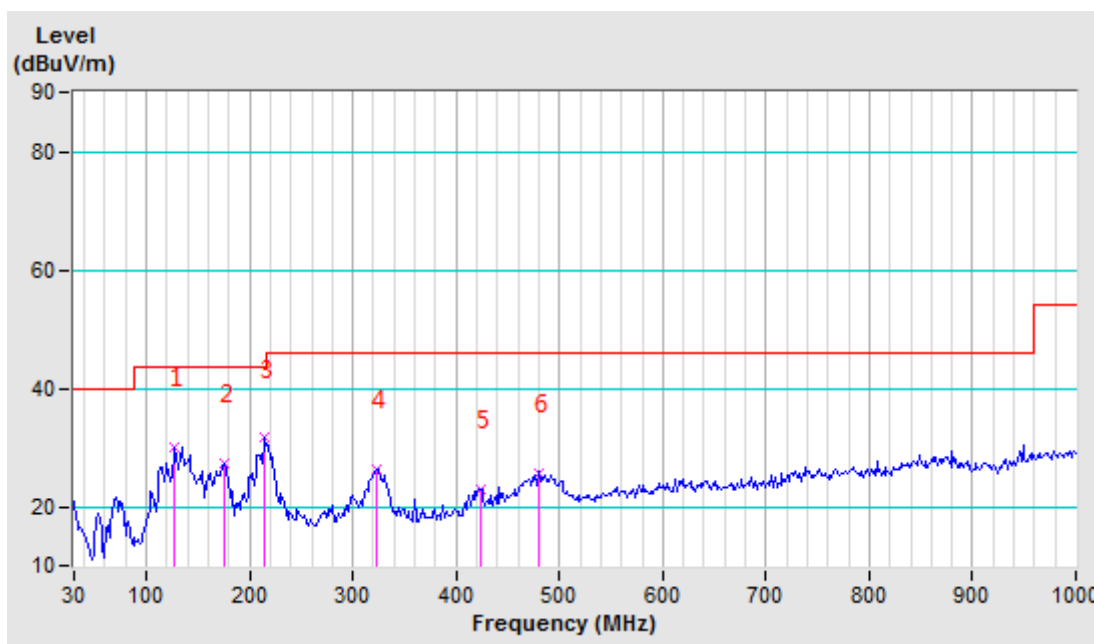
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA GROUND-PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.1545 AV	-11.88	46.03	34.15	103.82	-69.67	100	196
2	2.6754 QP	-12.03	29.80	17.77	69.54	-51.77	100	43
3	8.8219 QP	-11.82	29.21	17.39	69.54	-52.15	100	308
4	12.7399 QP	-11.68	28.69	17.01	69.54	-52.53	100	303
5	15.2474 QP	-11.54	28.39	16.85	69.54	-52.69	100	283
6	17.5997 QP	-11.55	28.16	16.61	69.54	-52.93	100	32



Test Mode	A	Frequency Range	30MHz ~ 1000MHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	Quasi-Peak (QP)
Environmental Conditions	30deg. 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	127.93	-19.28	49.35	30.07	43.50	-13.43	200	0
2	176.12	-18.65	45.86	27.21	43.50	-16.29	200	0
3	214.98	-19.74	51.27	31.53	43.50	-11.97	200	0
4	322.24	-13.62	39.85	26.23	46.00	-19.77	200	0
5	423.29	-10.99	34.04	23.05	46.00	-22.95	200	0
6	479.25	-10.09	35.79	25.70	46.00	-20.30	200	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.

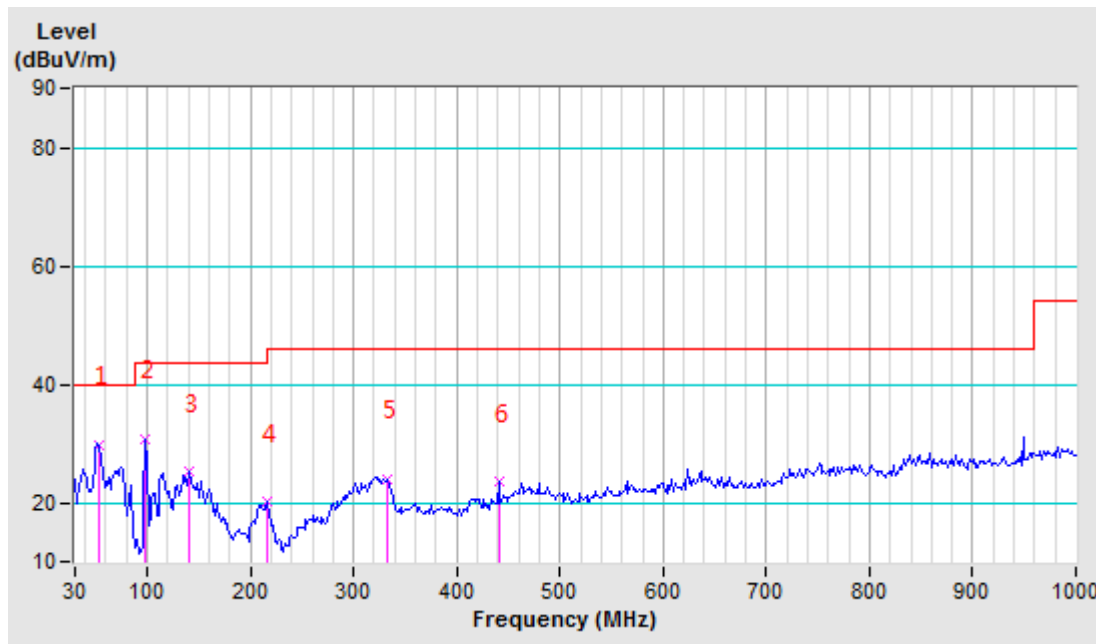




Test Mode	A	Frequency Range	30MHz ~ 1000MHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	Quasi-Peak (QP)
Environmental Conditions	30deg. C, 58% RH	Tested By	Jelly

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	53.32	-22.34	52.11	29.77	40.00	-10.23	100	149
2	98.40	-20.40	51.00	30.60	43.50	-12.90	100	138
3	140.37	-18.46	43.56	25.10	43.50	-18.40	100	126
4	216.54	-19.78	39.83	20.05	46.00	-25.95	100	105
5	333.12	-13.36	37.39	24.03	46.00	-21.97	100	92
6	440.38	-10.91	34.31	23.40	46.00	-22.60	100	80

- 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.

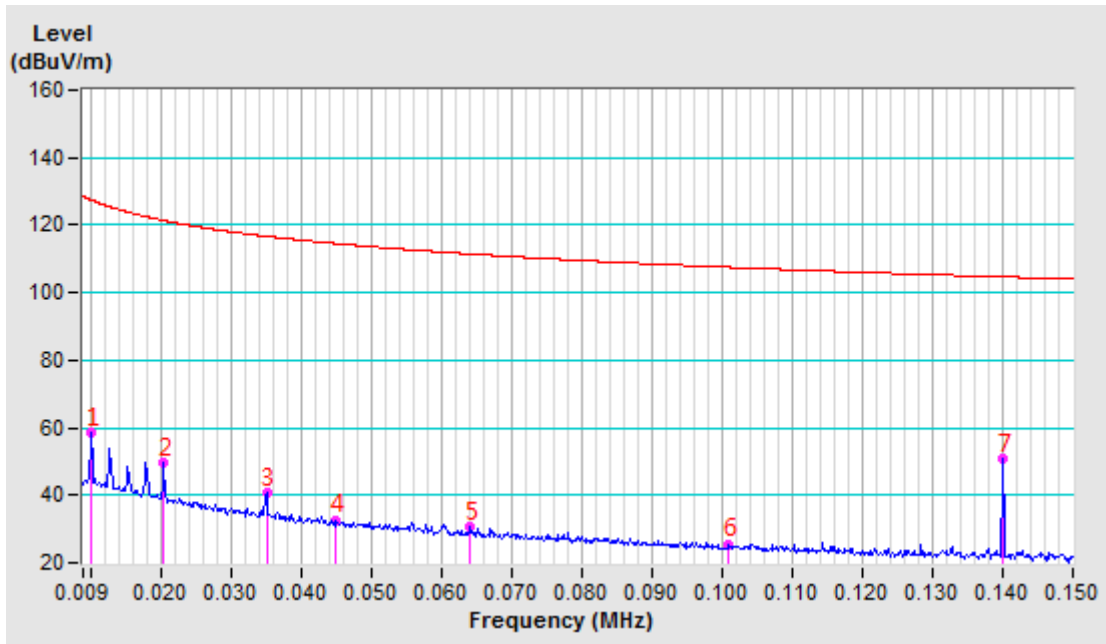




Charging Mode

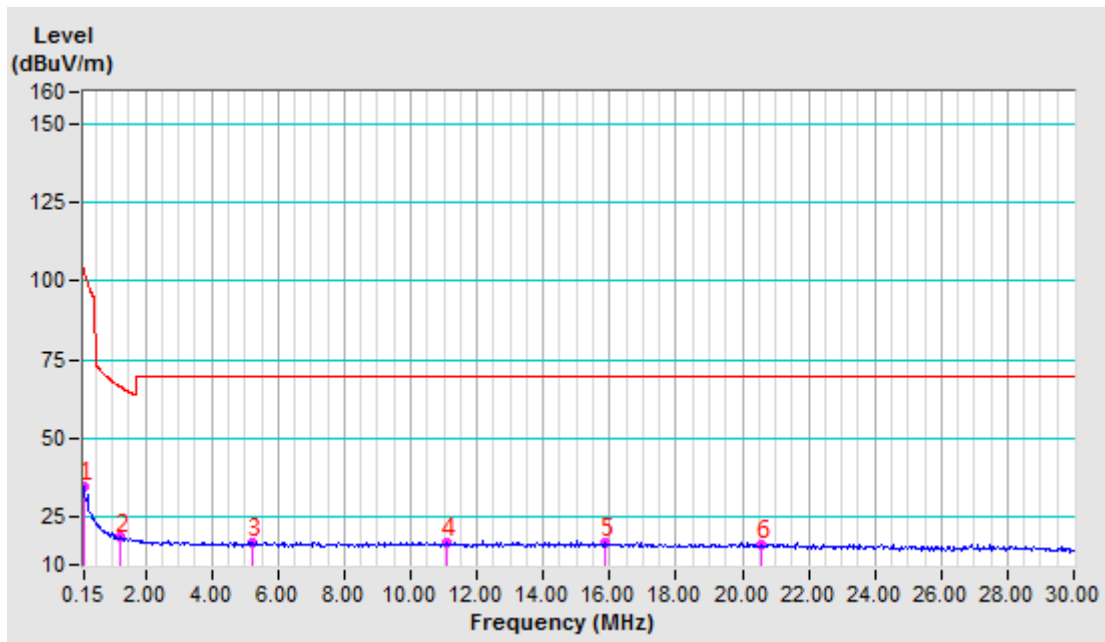
Test Mode	B	Frequency Range	9 kHz ~ 150 kHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

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	0.01020 AV	-10.05	68.54	58.49	127.41	-68.92	100	360
2	0.02050 AV	-10.67	60.25	49.58	121.38	-71.80	100	3
3	0.03510 AV	-11.34	52.01	40.67	116.69	-76.02	100	360
4	0.04490 AV	-11.48	44.11	32.63	114.56	-81.93	100	286
5	0.06420 AV	-11.60	42.02	30.42	111.46	-81.04	100	111
6	0.10100 QP	-11.78	37.19	25.41	107.51	-82.10	100	238
7	0.14010 AV	-11.86	62.55	50.69	104.67	-53.98	100	156



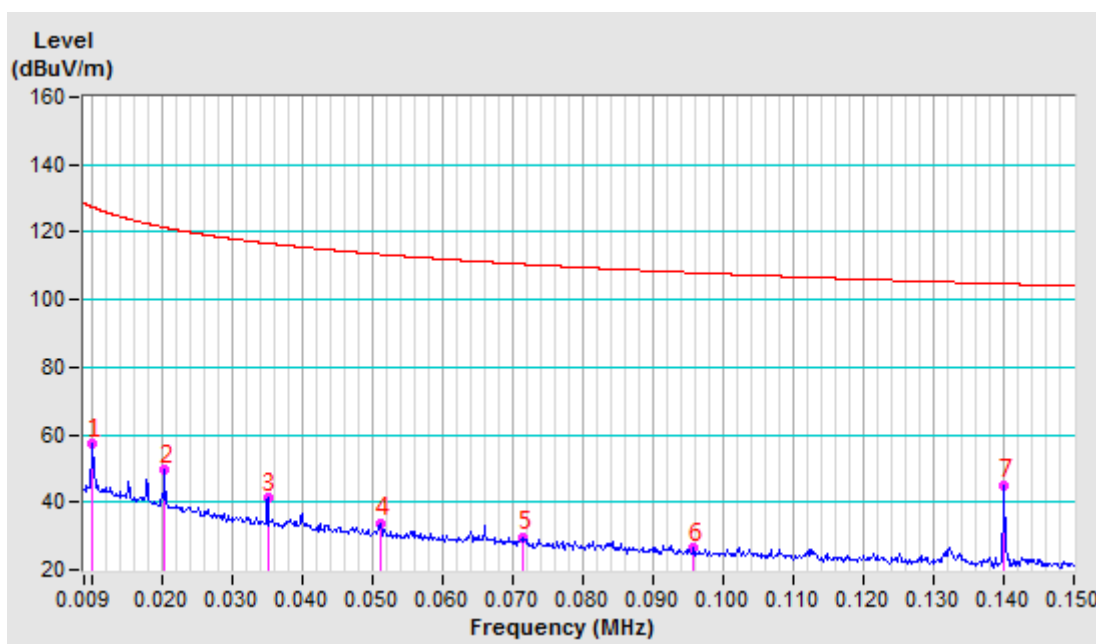
Test Mode	B	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

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	0.15450 AV	-11.88	46.44	34.56	103.82	-69.26	100	190
2	1.25150 QP	-12.02	30.65	18.63	66.41	-47.78	100	355
3	5.19640 QP	-11.97	29.26	17.29	69.54	-52.25	100	360
4	11.11450 QP	-11.75	28.80	17.05	69.54	-52.49	100	213
5	15.88920 QP	-11.54	28.57	17.03	69.54	-52.51	100	176
6	20.55050 QP	-11.42	28.07	16.65	69.54	-52.89	100	204



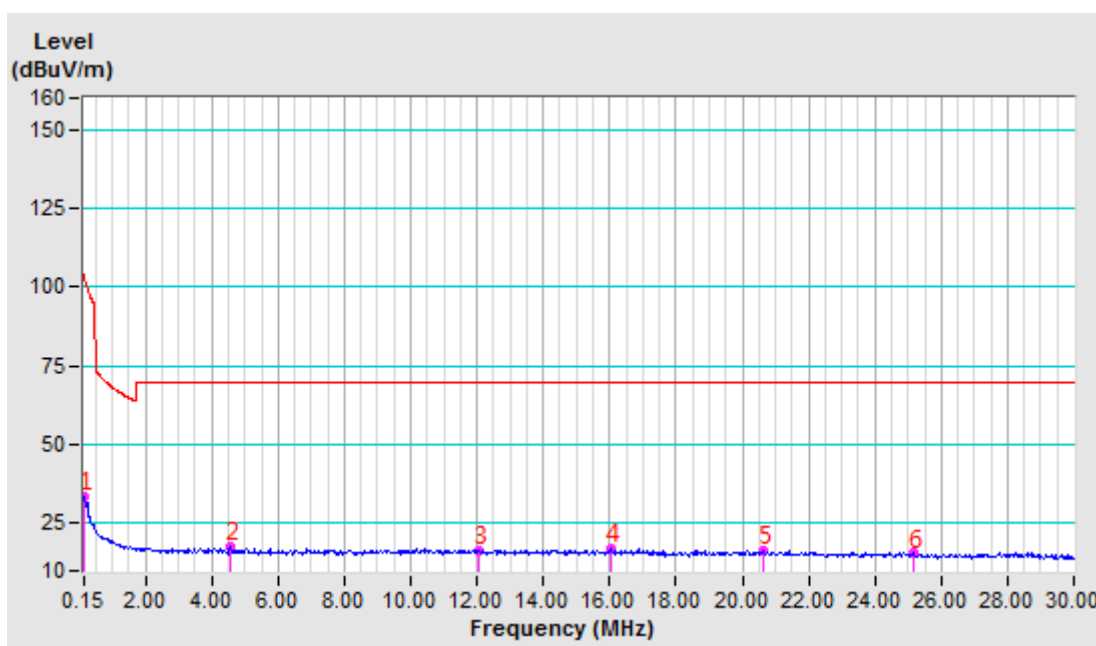
Test Mode	B	Frequency Range	9 kHz ~ 150 kHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

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	0.01020 AV	-10.05	67.33	57.28	127.40	-70.12	100	324
2	0.02050 AV	-10.67	60.20	49.53	121.38	-71.85	100	163
3	0.03510 AV	-11.34	52.52	41.18	116.69	-75.51	100	204
4	0.05120 AV	-11.56	45.49	33.93	113.42	-79.49	100	140
5	0.07150 AV	-11.63	41.19	29.56	110.51	-80.95	100	178
6	0.09580 QP	-11.76	38.15	26.39	107.98	-81.59	100	0
7	0.14010 AV	-11.86	56.88	45.02	104.67	-59.65	100	250



Test Mode	B	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.15300 AV	-11.88	45.19	33.31	103.91	-70.60	100	53
2	4.54410 QP	-11.96	29.49	17.53	69.54	-52.01	100	65
3	12.05930 QP	-11.74	28.10	16.36	69.54	-53.18	100	78
4	16.03100 QP	-11.54	28.73	17.19	69.54	-52.35	100	53
5	20.65950 QP	-11.44	27.59	16.15	69.54	-53.39	100	54
6	25.16560 QP	-11.75	27.17	15.42	69.54	-54.12	100	69



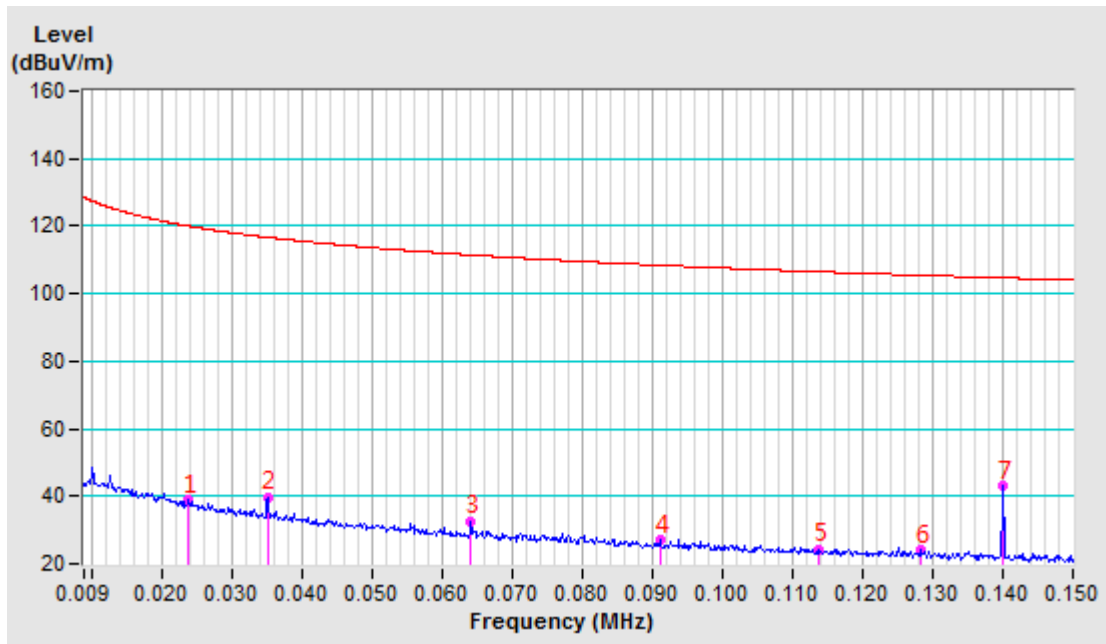


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Test Report No.: RF2101WDG0121

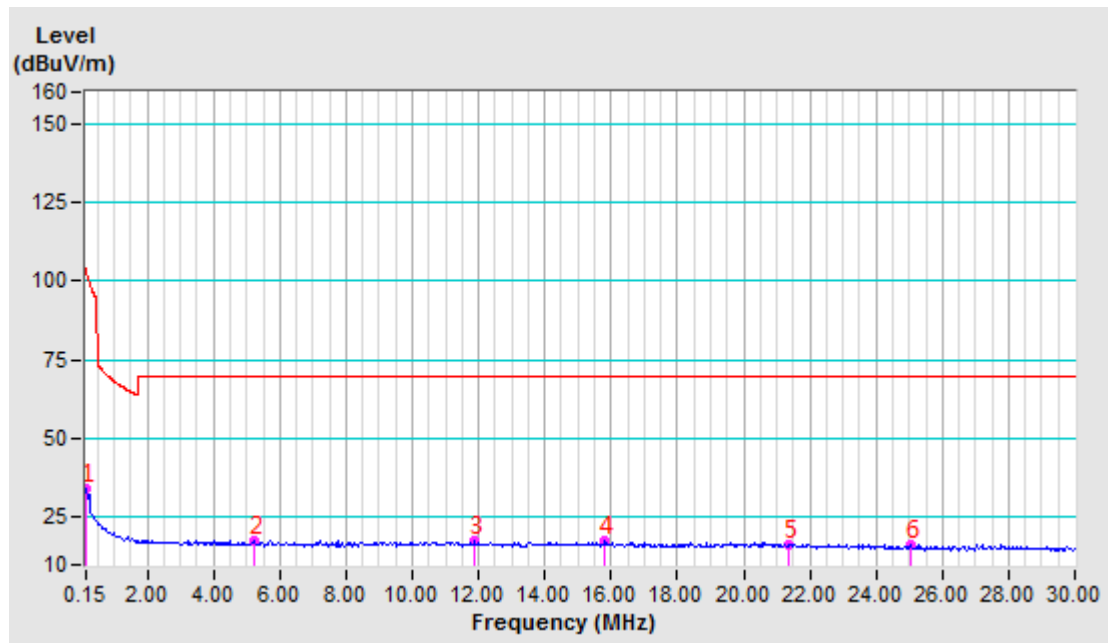
Test Mode	B	Frequency Range	9 kHz ~ 150 kHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

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	0.02390 AV	-10.87	49.85	38.98	120.03	-81.05	100	268
2	0.03510 AV	-11.34	51.19	39.85	116.69	-76.84	100	99
3	0.06420 AV	-11.60	44.17	32.57	111.45	-78.88	100	31
4	0.09130 QP	-11.74	38.72	26.98	108.40	-81.42	100	47
5	0.11380 AV	-11.80	36.19	24.39	106.48	-82.09	100	167
6	0.12840 AV	-11.84	35.78	23.94	105.43	-81.49	100	225
7	0.14010 AV	-11.86	54.76	42.90	104.67	-61.77	100	174



Test Mode	B	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

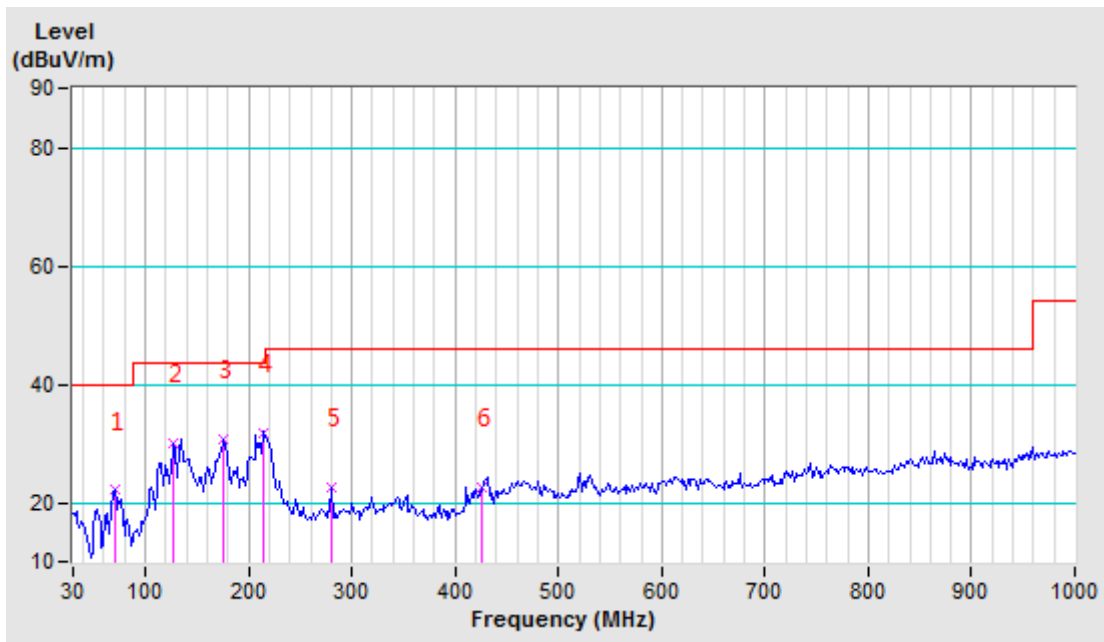
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA GROUND-PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.15450 AV	-11.88	46.09	34.21	103.82	-69.61	100	172
2	5.23370 QP	-11.98	29.48	17.50	69.54	-52.04	100	314
3	11.88310 QP	-11.75	29.21	17.46	69.54	-52.08	100	144
4	15.79960 QP	-11.54	29.38	17.84	69.54	-51.70	100	82
5	21.36990 QP	-11.54	27.98	16.44	69.54	-53.10	100	237
6	25.04320 QP	-11.73	27.95	16.22	69.54	-53.32	100	187



Test Mode	B	Frequency Range	30MHz ~ 1000MHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	Quasi-Peak (QP)
Environmental Conditions	30deg. 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	70.42	-24.61	46.66	22.05	40.00	-17.95	200	0
2	127.93	-19.28	49.44	30.16	43.50	-13.34	200	0
3	176.12	-18.65	49.27	30.62	43.50	-12.88	200	0
4	213.43	-19.69	51.33	31.64	43.50	-11.86	200	0
5	280.27	-15.37	38.07	22.70	46.00	-23.30	200	0
6	424.84	-10.99	33.65	22.66	46.00	-23.34	200	0

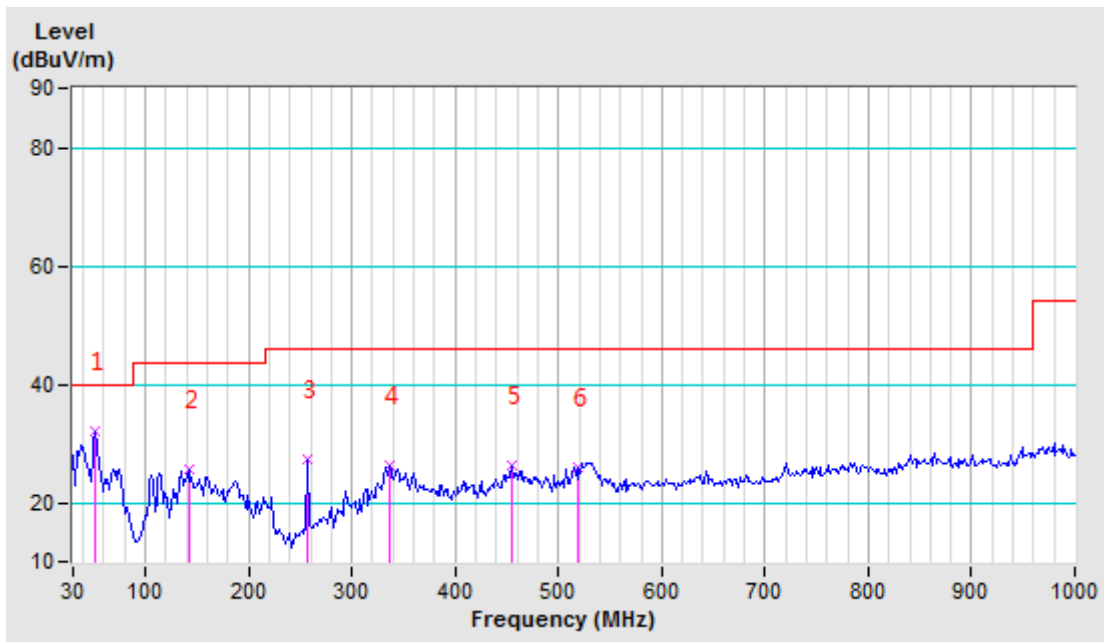
- REMARKS:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 2. Negative sign (-) in the margin column signify levels below the limit.
 3. Frequency range scanned: 30-1000MHz.
 4. Only emissions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



Test Mode	B	Frequency Range	30MHz ~ 1000MHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	Quasi-Peak (QP)
Environmental Conditions	30deg. 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	51.76	-21.77	53.85	32.08	40.00	-7.92	100	0
2	141.92	-18.34	43.96	25.62	43.50	-17.88	100	0
3	256.96	-16.05	43.35	27.30	46.00	-18.70	100	0
4	336.23	-13.29	39.53	26.24	46.00	-19.76	100	0
5	454.37	-10.44	36.68	26.24	46.00	-19.76	100	0
6	519.66	-9.06	35.07	26.01	46.00	-19.99	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.





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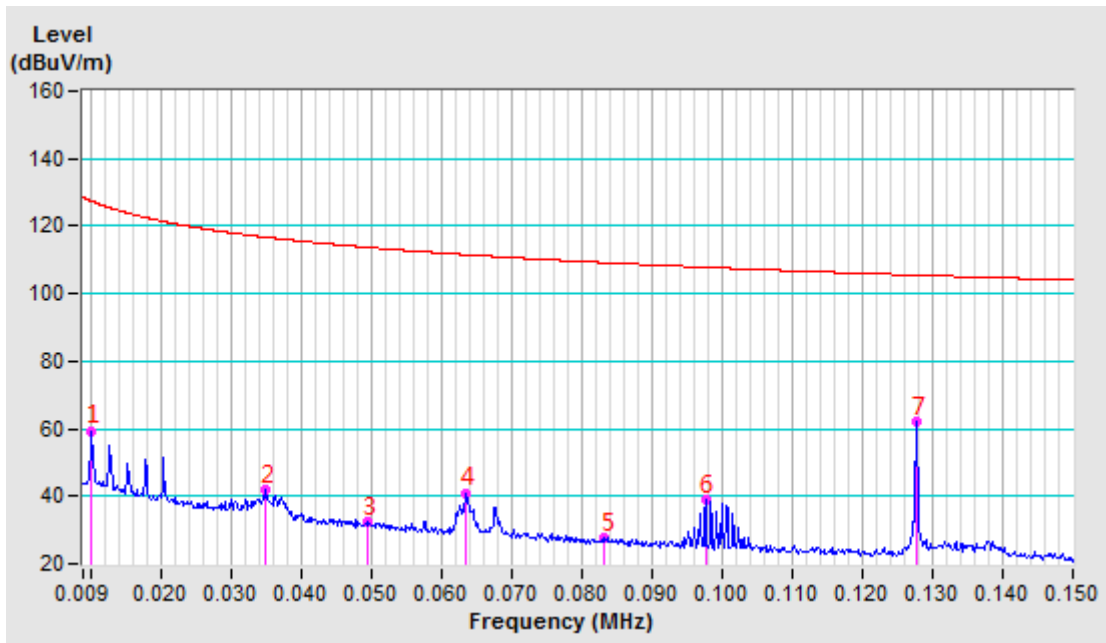
Test Report No.: RF2101WDG0121

Standby Mode

Test Mode	C	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

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	0.01020 AV	-10.05	69.37	59.32	127.40	-68.08	100	179
2	0.03510 AV	-11.34	53.30	41.96	116.69	-74.73	100	168
3	0.04950 AV	-11.55	44.01	32.46	113.72	-81.26	100	152
4	0.06360 AV	-11.60	52.59	40.99	111.53	-70.54	100	146
5	0.08340 AV	-11.69	39.30	27.61	109.18	-81.57	100	310
6	0.09760 QP	-11.77	50.50	38.73	107.81	-69.08	100	152
7	0.12780 AV	-11.84	73.96	62.12	105.47	-43.35	100	144



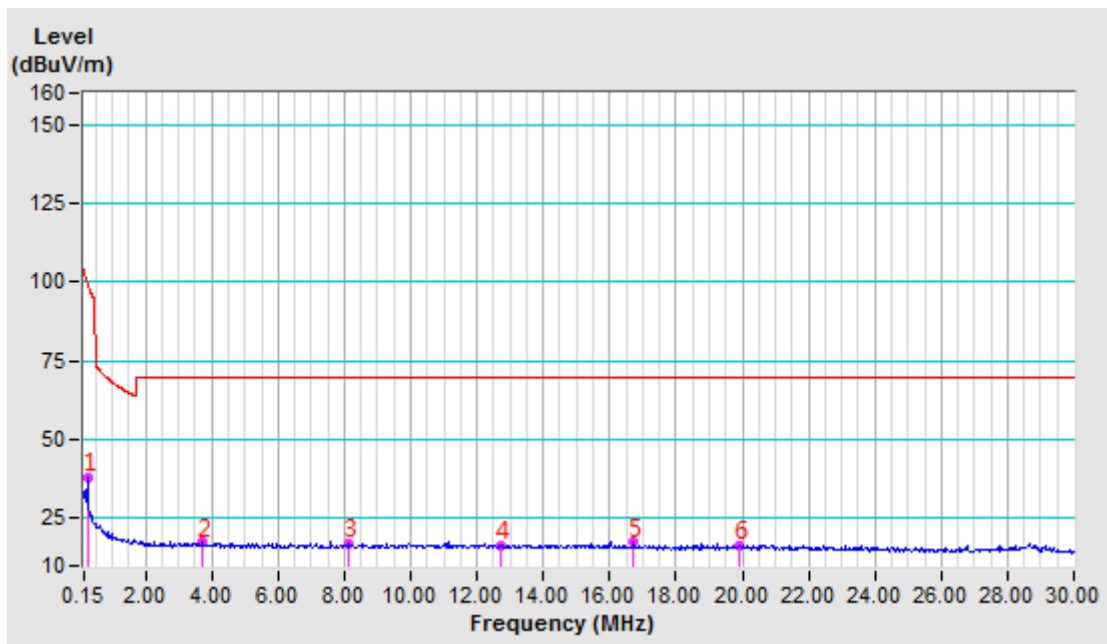


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Test Report No.: RF2101WDG0121

Test Mode	C	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

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	0.25450 AV	-12.08	50.02	37.94	99.49	-61.55	100	360
2	3.70680 QP	-11.96	29.30	17.34	69.54	-52.20	100	360
3	8.11290 QP	-11.85	29.10	17.25	69.54	-52.29	100	304
4	12.72340 QP	-11.68	28.22	16.54	69.54	-53.00	100	336
5	16.73250 QP	-11.55	28.93	17.38	69.54	-52.16	100	310
6	19.91920 QP	-11.37	27.97	16.60	69.54	-52.94	100	313



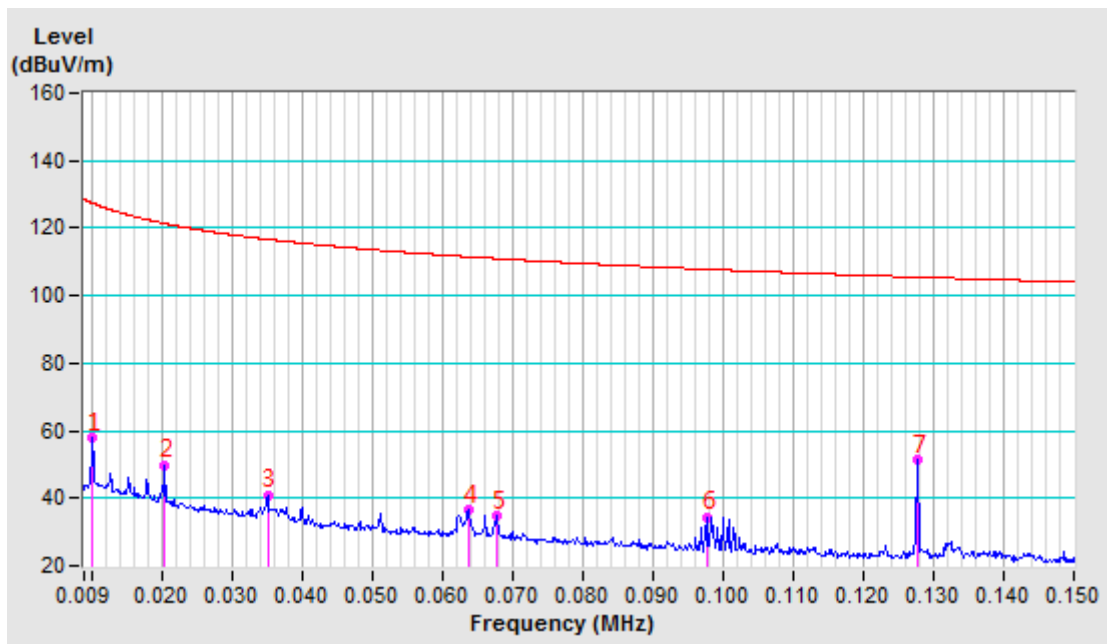


**BUREAU
VERITAS**

Test Report No.: RF2101WDG0121

Test Mode	C	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

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	0.01020 AV	-10.05	67.92	57.87	127.40	-69.53	100	249
2	0.02050 AV	-10.67	60.52	49.85	121.38	-71.53	100	102
3	0.03510 AV	-11.34	52.37	41.03	116.69	-75.66	100	230
4	0.06370 AV	-11.60	48.23	36.63	111.52	-74.89	100	205
5	0.06770 AV	-11.62	46.44	34.82	110.99	-76.17	100	209
6	0.09770 QP	-11.77	46.17	34.40	107.81	-73.41	100	230
7	0.12780 AV	-11.84	63.32	51.48	105.47	-53.99	100	42



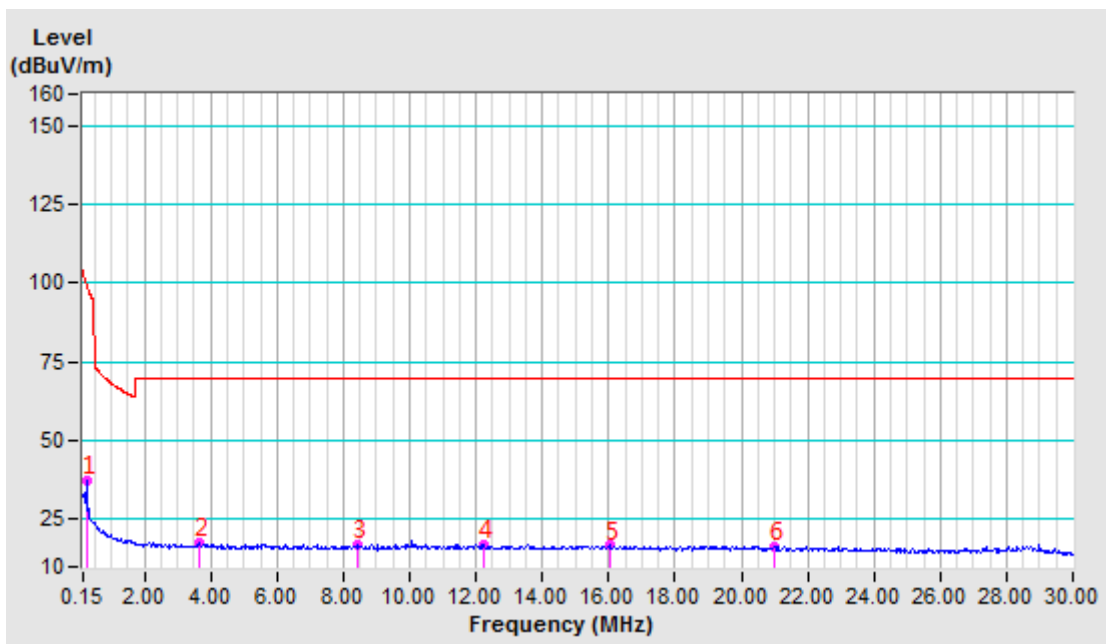


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Test Report No.: RF2101WDG0121

Test Mode	C	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

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	0.25450 AV	-12.08	49.68	37.60	99.49	-61.89	100	360
2	3.63810 QP	-11.97	29.37	17.40	69.54	-52.14	100	360
3	8.44420 QP	-11.84	28.61	16.77	69.54	-52.77	100	355
4	12.22190 QP	-11.72	28.62	16.90	69.54	-52.64	100	360
5	16.03850 QP	-11.54	28.23	16.69	69.54	-52.85	100	330
6	20.99530 QP	-11.48	27.85	16.37	69.54	-53.17	100	360



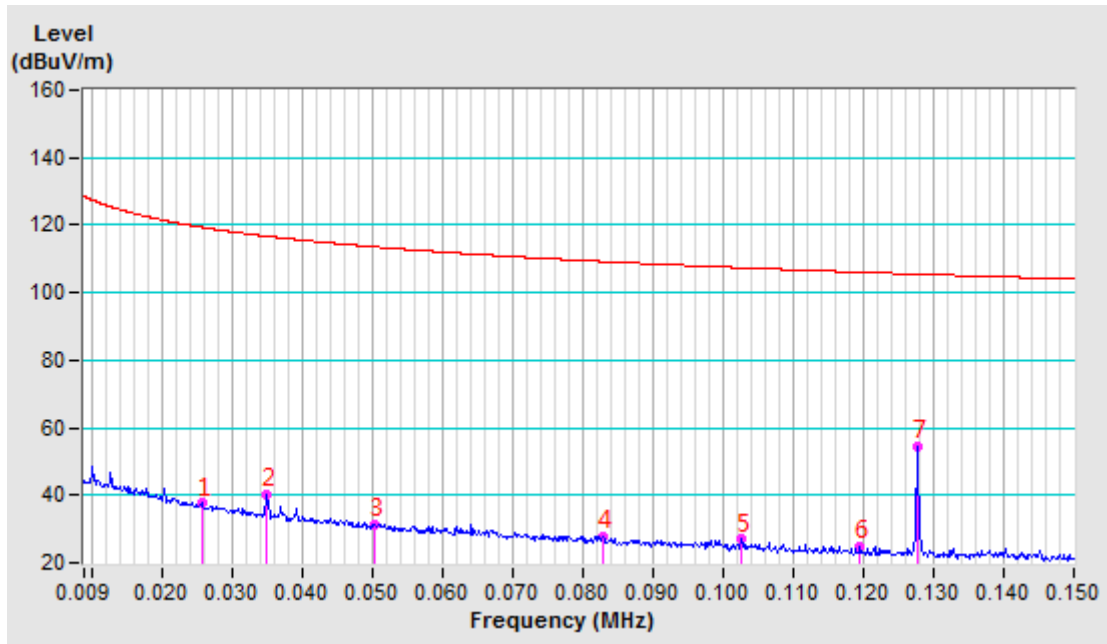


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Test Report No.: RF2101WDG0121

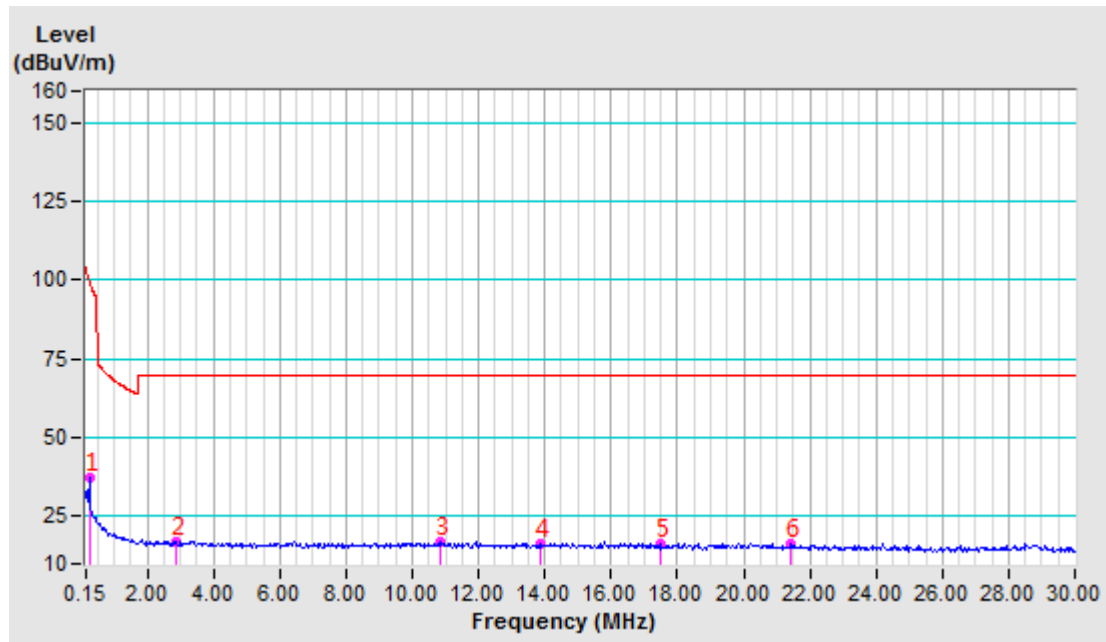
Test Mode	C	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

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	0.02570 AV	-10.98	48.55	37.57	119.39	-81.82	100	209
2	0.03510 AV	-11.34	51.57	40.23	116.69	-76.46	100	94
3	0.05050 AV	-11.56	42.97	31.41	113.54	-82.13	100	86
4	0.08290 AV	-11.68	39.49	27.81	109.23	-81.42	100	272
5	0.10270 QP	-11.78	38.93	27.15	107.37	-80.22	100	163
6	0.11950 AV	-11.81	36.75	24.94	106.06	-81.12	100	274
7	0.12780 AV	-11.84	66.35	54.51	105.47	-50.96	100	161



Test Mode	C	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

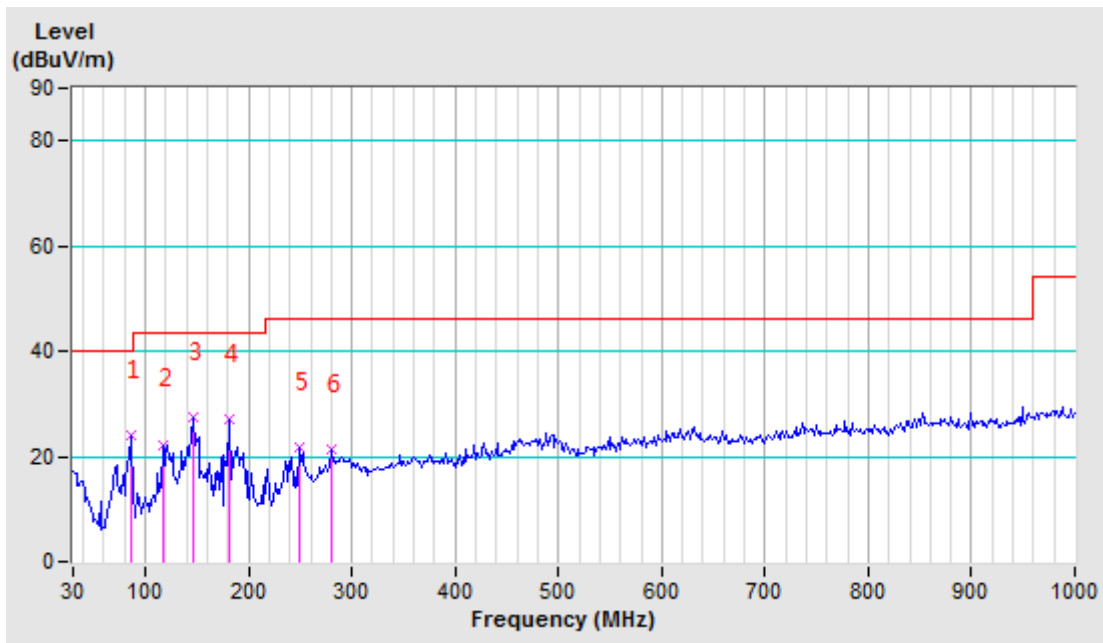
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA GROUND-PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.25450 AV	-12.08	49.57	37.49	99.49	-62.00	100	360
2	2.86050 QP	-12.02	29.22	17.20	69.54	-52.34	100	360
3	10.82040 QP	-11.75	28.52	16.77	69.54	-52.77	100	360
4	13.87570 QP	-11.55	27.83	16.28	69.54	-53.26	100	360
5	17.51460 QP	-11.55	28.06	16.51	69.54	-53.03	100	360
6	21.41170 QP	-11.53	27.78	16.25	69.54	-53.29	100	360



Test Mode	C	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	30deg. 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	85.96	-21.38	45.47	24.09	40.00	-15.91	200	50
2	117.05	-19.89	42.19	22.30	43.50	-21.20	200	0
3	146.59	-18.00	45.48	27.48	43.50	-16.02	200	26
4	180.79	-19.06	46.03	26.97	43.50	-16.53	200	0
5	249.18	-16.69	38.41	21.72	46.00	-24.28	200	0
6	280.27	-15.37	36.85	21.48	46.00	-24.52	200	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.

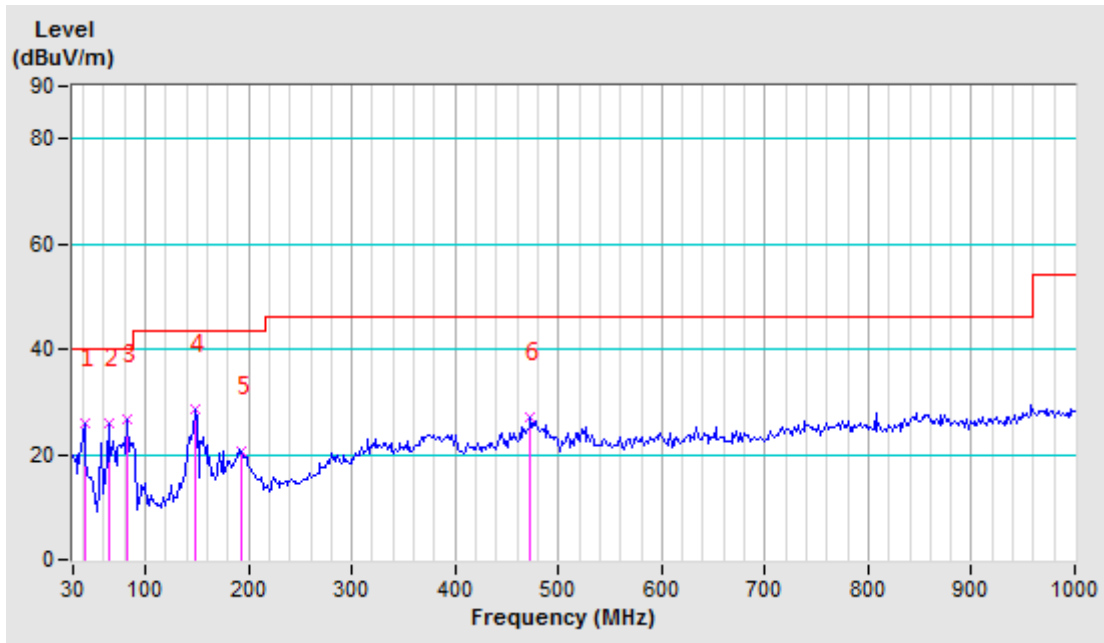




Test Mode	C	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	30deg. C, 58% RH	Tested By	Jelly

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	40.88	-16.42	42.25	25.83	40.00	-14.17	100	7
2	64.20	-24.80	50.66	25.86	40.00	-14.14	100	0
3	82.85	-21.79	48.52	26.73	40.00	-13.27	100	0
4	148.14	-17.89	46.41	28.52	43.50	-14.98	100	0
5	193.22	-19.21	39.74	20.53	43.50	-22.97	100	0
6	473.03	-10.14	37.19	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.





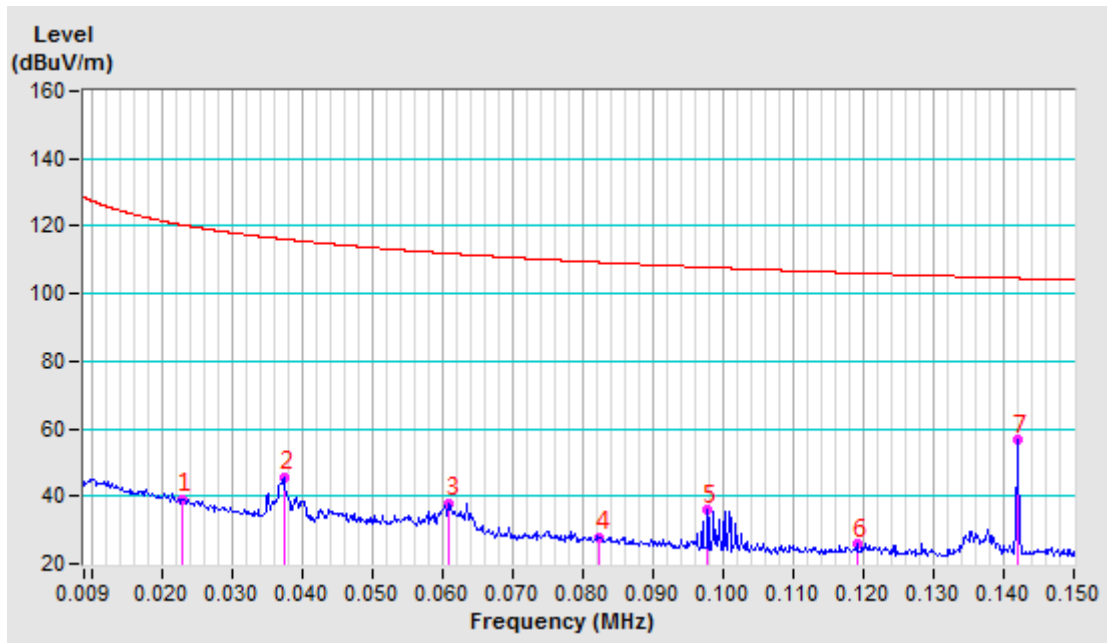
**BUREAU
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Test Report No.: RF2101WDG0121

Charging Mode

Test Mode	D	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

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	0.02300 AV	-10.82	49.98	39.16	120.37	-81.21	100	138
2	0.03750 AV	-11.37	57.16	45.79	116.12	-70.33	100	164
3	0.06110 AV	-11.59	49.48	37.89	111.88	-73.99	100	146
4	0.08250 AV	-11.68	39.64	27.96	109.28	-81.32	100	152
5	0.09790 QP	-11.77	47.65	35.88	107.79	-71.91	100	157
6	0.11910 AV	-11.81	37.63	25.82	106.08	-80.26	100	190
7	0.14200 AV	-11.86	68.55	56.69	104.55	-47.86	100	182



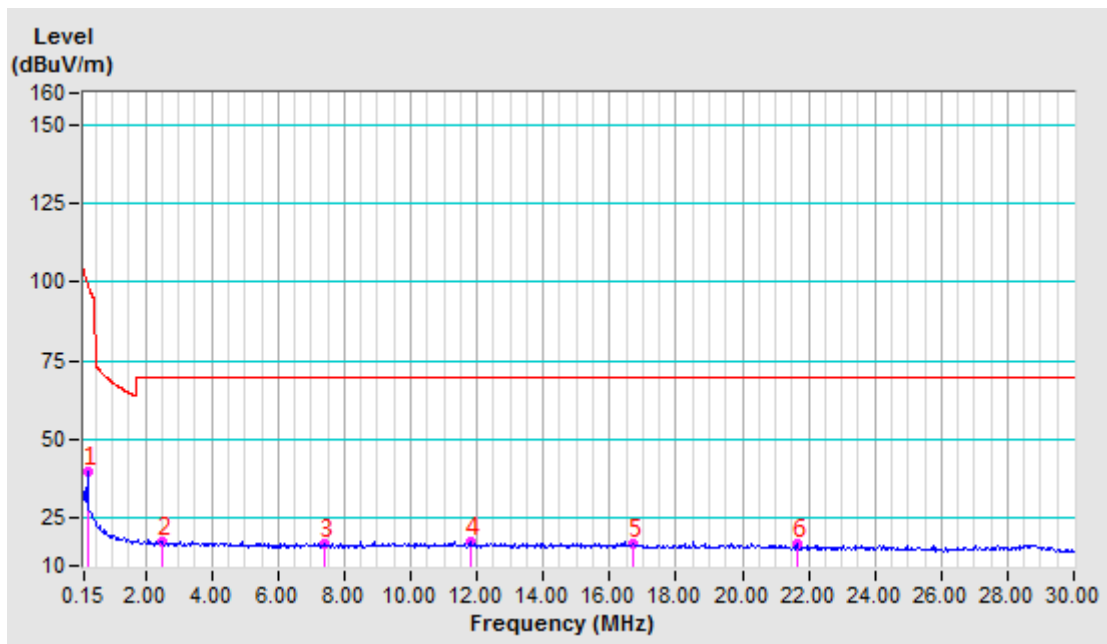


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Test Report No.: RF2101WDG0121

Test Mode	D	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

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	0.25450 AV	-12.08	51.97	39.89	99.49	-59.60	100	158
2	2.48890 QP	-12.04	29.80	17.76	69.54	-51.78	100	35
3	7.38600 QP	-11.91	29.20	17.29	69.54	-52.25	100	195
4	11.81450 QP	-11.75	29.36	17.61	69.54	-51.93	100	60
5	16.70860 QP	-11.55	28.38	16.83	69.54	-52.71	100	193
6	21.66990 QP	-11.57	28.35	16.78	69.54	-52.76	100	156



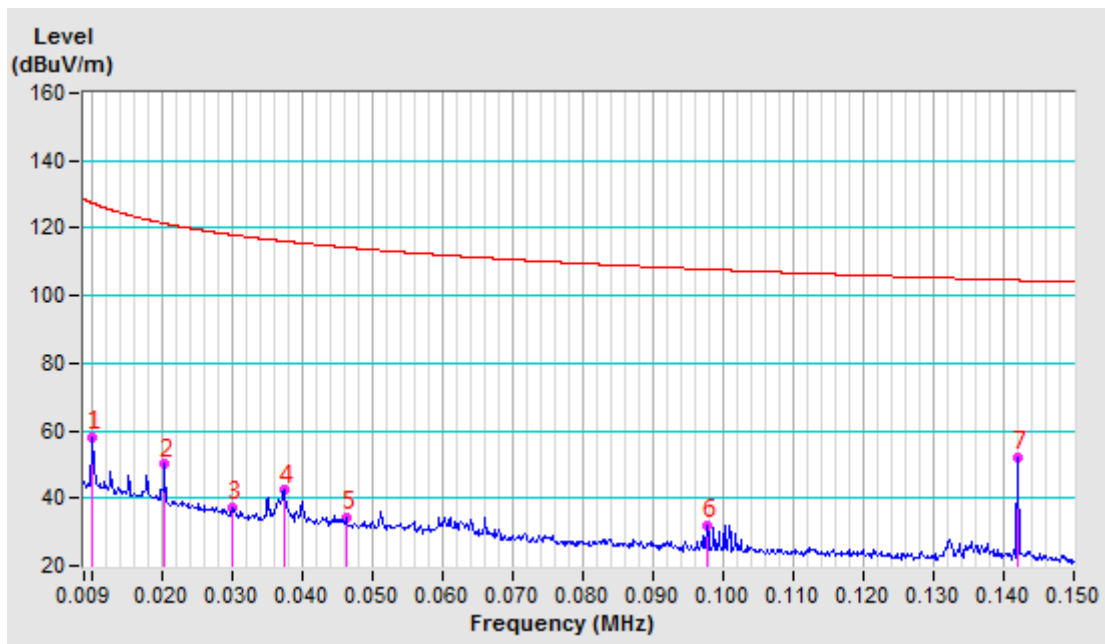


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Test Report No.: RF2101WDG0121

Test Mode	D	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

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	0.01020 AV	-10.05	68.07	58.02	127.40	-69.38	100	360
2	0.02050 AV	-10.67	60.96	50.29	121.38	-71.09	100	327
3	0.03000 AV	-11.25	48.68	37.43	118.06	-80.63	100	30
4	0.03750 AV	-11.37	53.91	42.54	116.13	-73.59	100	205
5	0.04640 AV	-11.51	45.99	34.48	114.27	-79.79	100	214
6	0.09790 QP	-11.77	43.70	31.93	107.79	-75.86	100	239
7	0.14200 AV	-11.86	64.13	52.27	104.55	-52.28	100	266



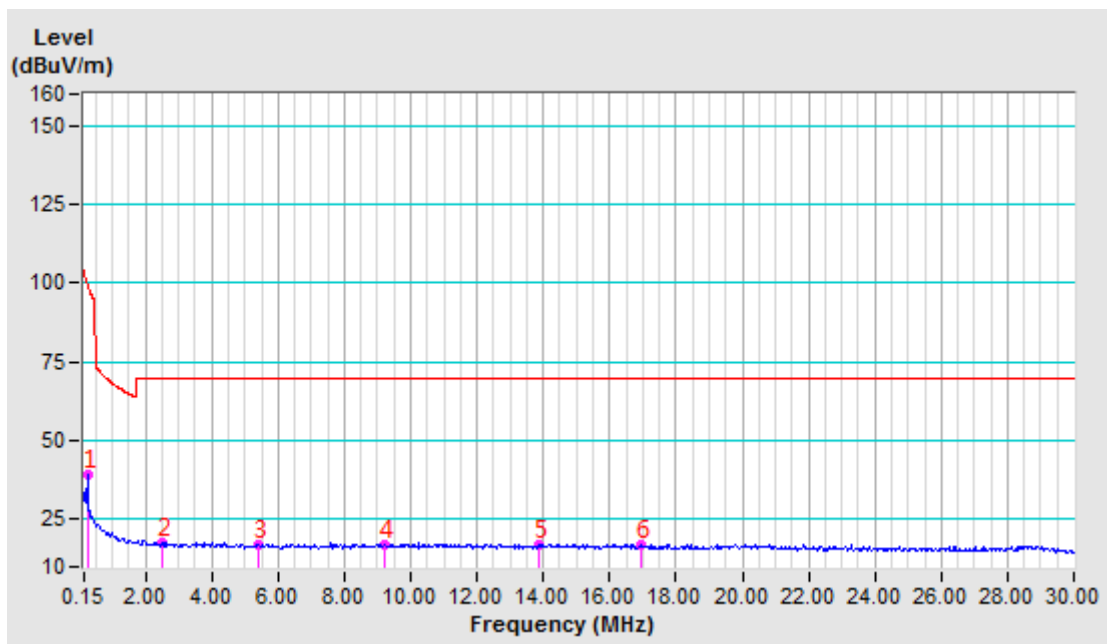


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Test Report No.: RF2101WDG0121

Test Mode	D	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

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	0.25450 AV	-12.08	51.60	39.52	99.49	-59.97	100	139
2	2.52170 QP	-12.04	29.86	17.82	69.54	-51.72	100	156
3	5.41430 QP	-11.97	28.94	16.97	69.54	-52.57	100	108
4	9.22340 QP	-11.80	29.00	17.20	69.54	-52.34	100	72
5	13.85180 QP	-11.55	28.64	17.09	69.54	-52.45	100	285
6	16.95040 QP	-11.54	28.73	17.19	69.54	-52.35	100	292



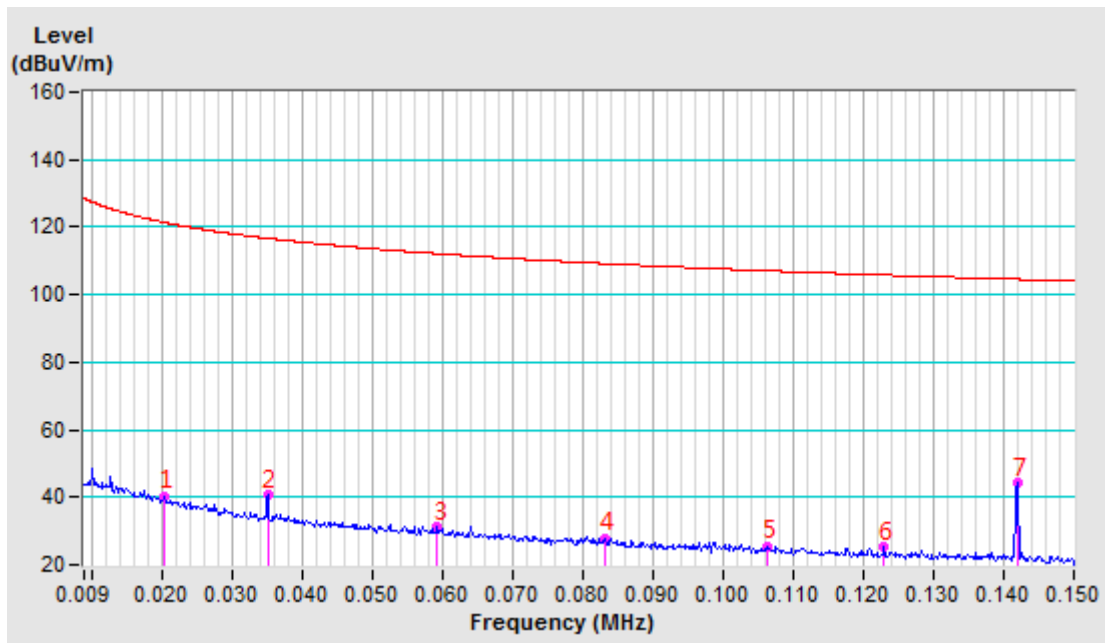


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VERITAS**

Test Report No.: RF2101WDG0121

Test Mode	D	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

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	0.02050 AV	-10.67	51.03	40.36	121.37	-81.01	100	59
2	0.03510 AV	-11.34	52.02	40.68	116.69	-76.01	100	241
3	0.05940 AV	-11.58	42.70	31.12	112.13	-81.01	100	69
4	0.08320 AV	-11.69	39.58	27.89	109.20	-81.31	100	59
5	0.10620 QP	-11.79	37.24	25.45	107.08	-81.63	100	314
6	0.12300 AV	-11.82	36.92	25.10	105.80	-80.70	100	67
7	0.14190 AV	-11.86	55.98	44.12	104.56	-60.44	100	178



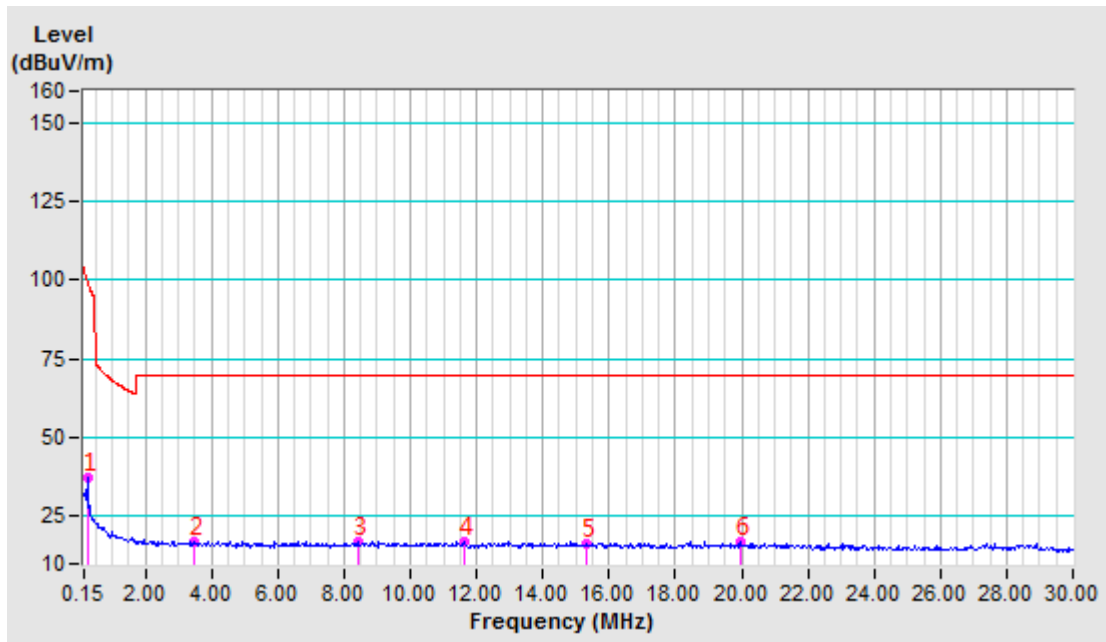


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Test Report No.: RF2101WDG0121

Test Mode	D	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	23deg. C, 53% RH	Tested By	Ray

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	0.25450 AV	-12.08	49.32	37.24	99.49	-62.25	100	360
2	3.47840 QP	-11.98	28.83	16.85	69.54	-52.69	100	360
3	8.41740 QP	-11.84	28.70	16.86	69.54	-52.68	100	360
4	11.62640 QP	-11.74	28.60	16.86	69.54	-52.68	100	360
5	15.30260 QP	-11.54	28.14	16.60	69.54	-52.94	100	360
6	19.95500 QP	-11.36	28.37	17.01	69.54	-52.53	100	349

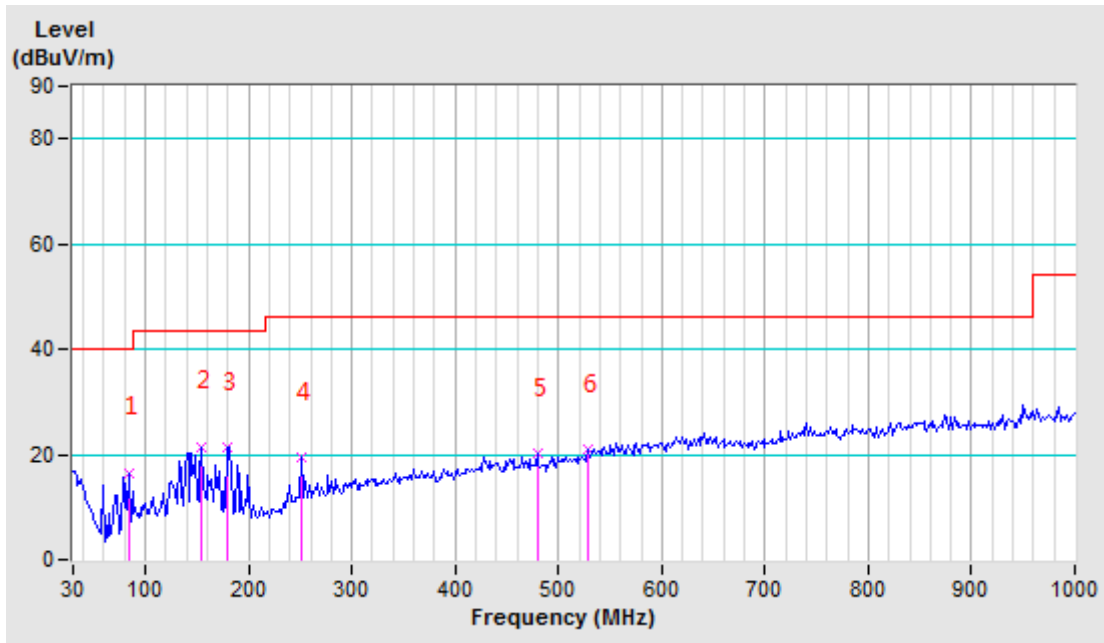




Test Mode	D	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	30deg. C, 58% RH	Tested By	Jelly

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	84.41	-21.60	38.18	16.58	40.00	-23.42	200	128
2	154.36	-17.42	38.95	21.53	43.50	-21.97	200	86
3	179.23	-18.97	40.41	21.44	43.50	-22.06	200	98
4	250.74	-16.56	36.05	19.49	46.00	-26.51	200	111
5	479.25	-10.09	30.18	20.09	46.00	-25.91	200	144
6	528.99	-8.63	29.47	20.84	46.00	-25.16	200	154

- 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.

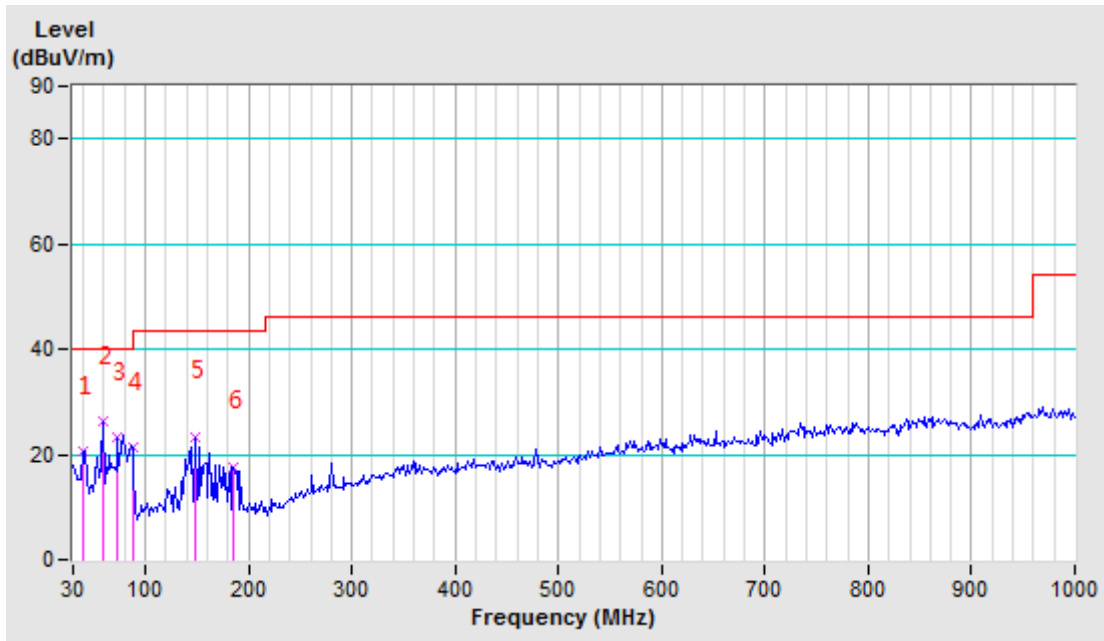




Test Mode	D	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	30deg. C, 58% RH	Tested By	Jelly

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	39.33	-15.71	36.20	20.49	40.00	-19.51	200	67
2	59.54	-24.76	51.07	26.31	40.00	-13.69	200	182
3	73.53	-23.79	46.99	23.20	40.00	-16.80	200	136
4	87.52	-21.14	42.58	21.44	40.00	-18.56	200	155
5	148.14	-17.89	41.32	23.43	43.50	-20.07	200	171
6	185.45	-19.11	36.82	17.71	43.50	-25.79	200	118

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



4.3. 20dB BANDWIDTH MEASUREMENT

4.3.1 LIMITS OF 20dB BANDWIDTH MEASUREMENT

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

4.3.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101564	Mar. 17,21
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	1519B-045	May 29,21
Amplifier	Burgeon	BPA-530	100210	Mar. 14,21
Test Software	ADT	ADT_Radiated_V 8.7.07	N/A	N/A

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

4.3.3 TEST PROCEDURE

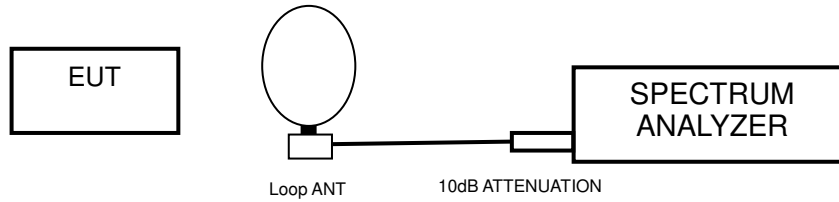
- Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring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

4.3.4 DEVIATION FROM TEST STANDARD

No deviation.



4.3.5 TEST SETUP



4.3.6 EUT OPERATING CONDITION

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



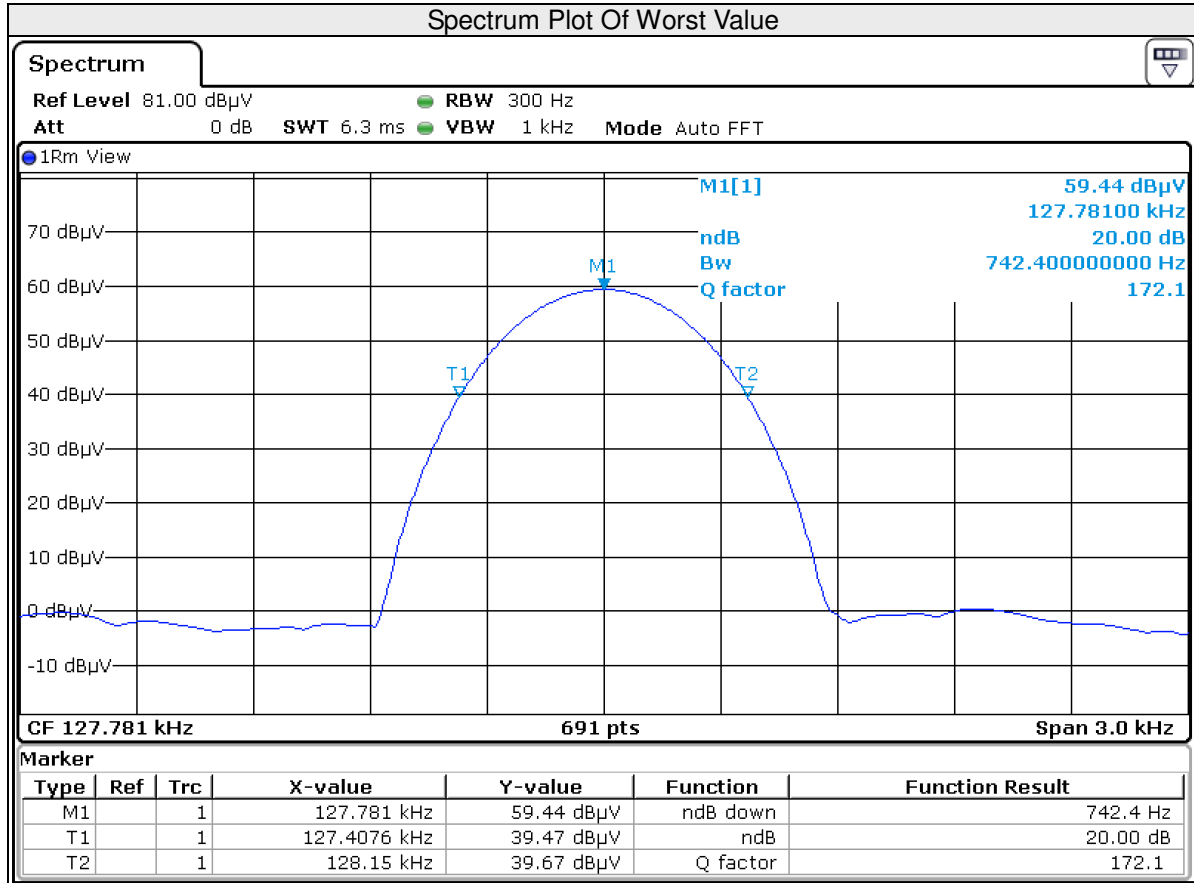
**BUREAU
VERITAS**

Test Report No.: RF2101WDG0121

4.3.7 TEST RESULTS

Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
A	127.78	742.4

Test Plot:



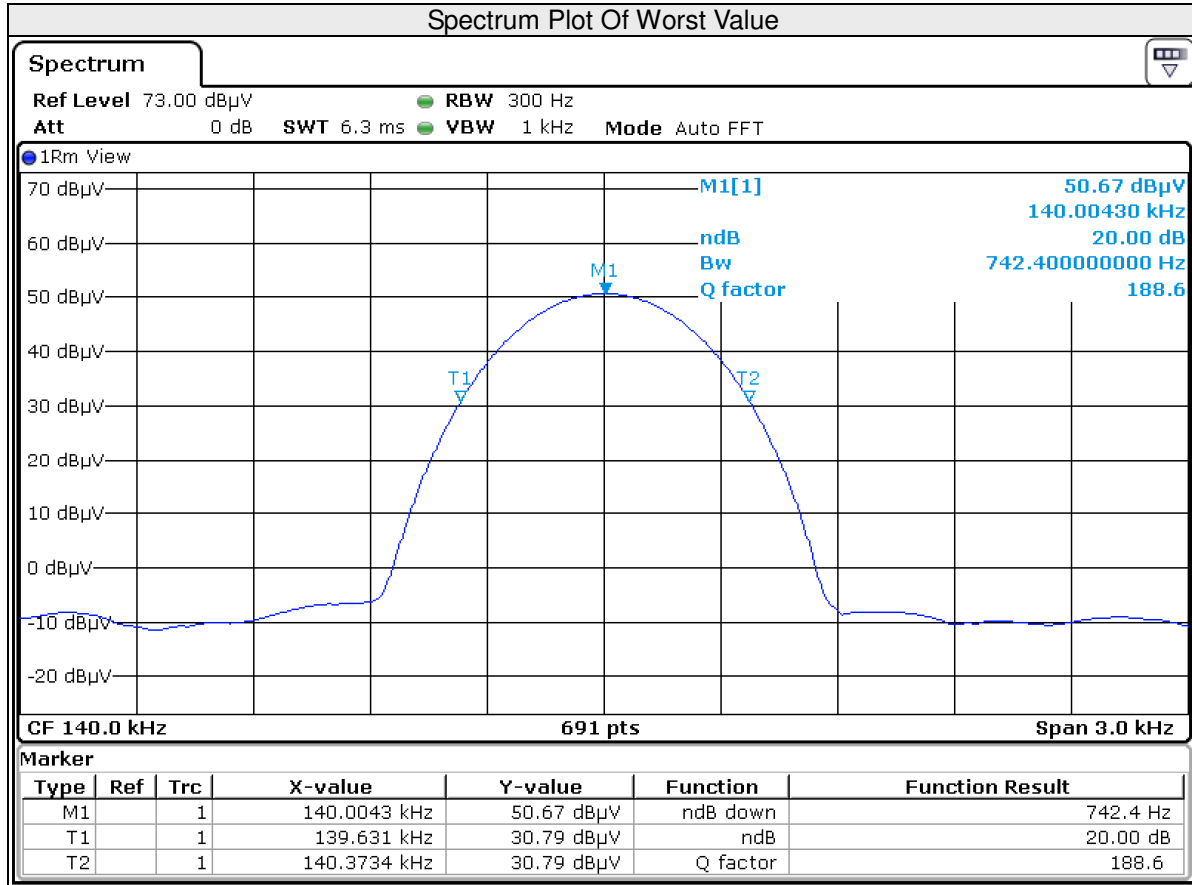


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Test Report No.: RF2101WDG0121

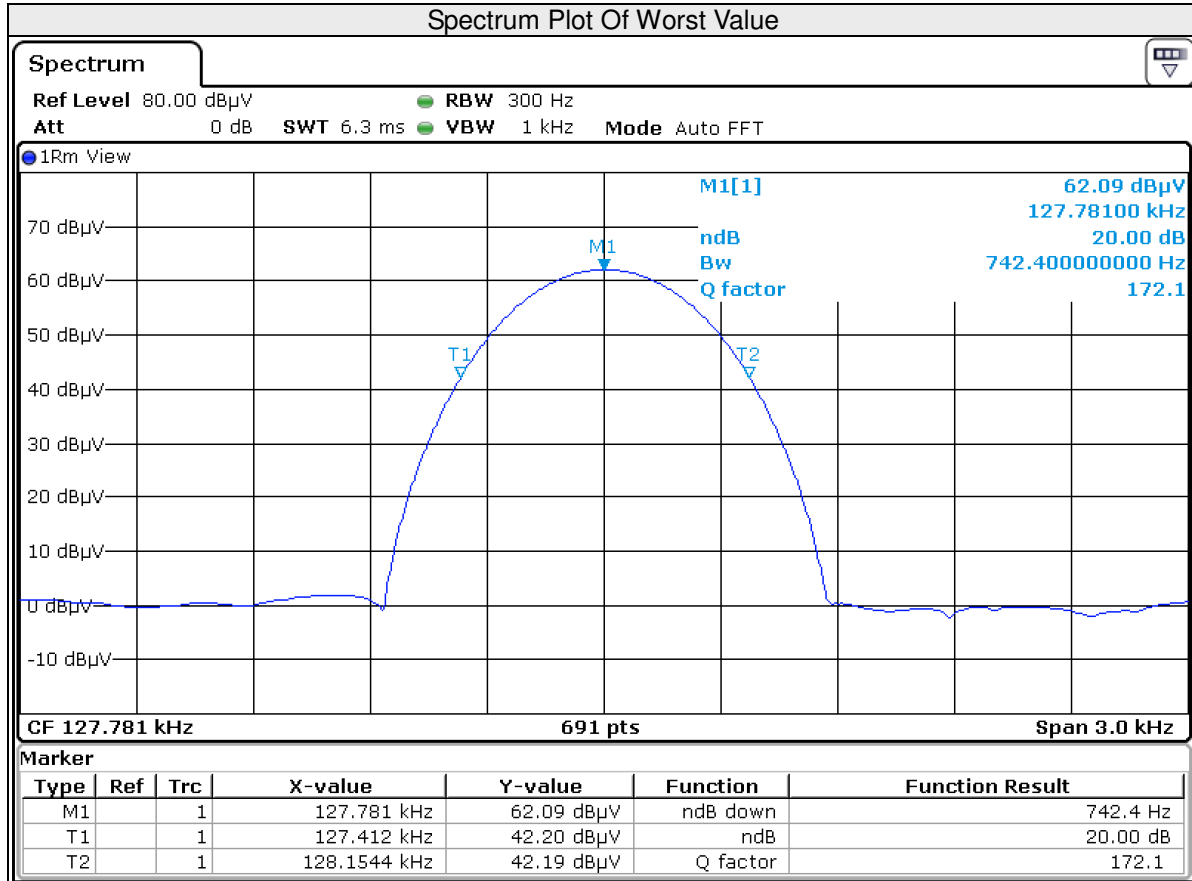
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
B	140.00	742.4

Test Plot:



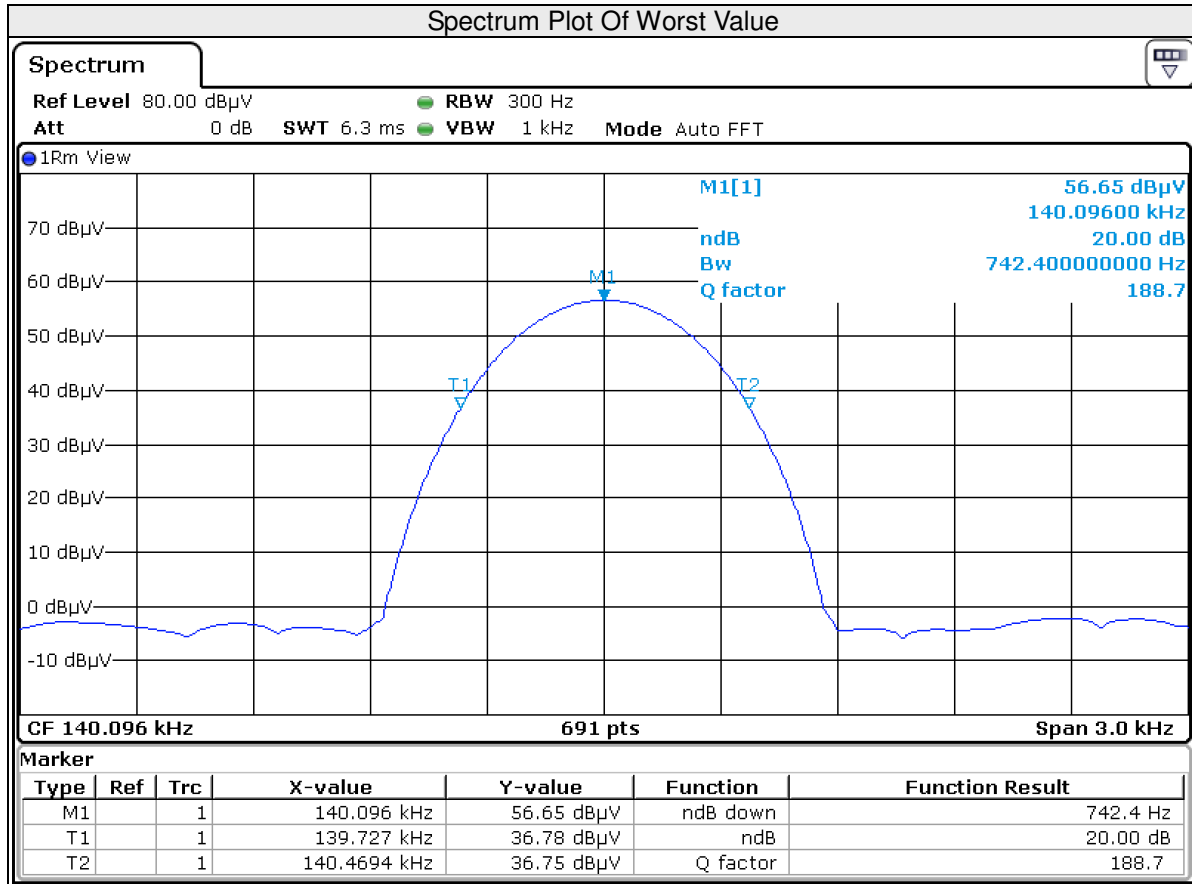
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
C	127.78	742.4

Test Plot:



Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
D	140.10	742.4

Test Plot:





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5 PHOTOGRAPHS OF THE TEST CONFIGURATION

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



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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---