



Test Report No.: RF2101WDG0287



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 Wireless Power Bank
Brand Name	belkin
Model	BPD002
Additional Model & Model Difference	N/A
Date of tests	Jan. 12, 2021 ~ Feb. 20, 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. 05, 2021

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Test Report No.: RF2101WDG0287

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF2101WDG0287	Original release	Mar. 05, 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 Wireless Power Bank
MODEL NO.	BPD002
ADDITIONAL MODEL	N/A
FCC ID	K7SBPD002
POWER SUPPLY	Input USB-C: 5V=2A Output Wireless: 5V=5W Cell Capacity: 9.25Wh, 3.7V, 2500mAh
MODULATION TYPE	FSK
OPERATING FREQUENCY RANGE	111KHz ~ 148KHz
I/O PORTS	Coil Antenna
FIELD STRENGTH	63.54 dBuV/m
MAXIMUM POWER OUTPUT FROM THE CHARGING COIL	Max Power is 5W
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.: 2101WDG0287) 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	NT-101
2	EUT USB-C to USB-C white cable	1	1.0m	Y	0	NT-100

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	146.35	Standby(EUT(battery full))
111 ~ 148	142.02	Receiver load operating(battery full))
111 ~ 148	146.35	Standby(USB-C INPUT)
111 ~ 148	142.02	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	146.35	FSK
B/D	111 ~ 148	142.02	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	146.35	FSK
D	111 ~ 148	142.02	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	146.35	FSK
B/D	111 ~ 148	142.02	FSK

TEST CONDITION:

Applicable to	Environmental conditions	Input Power	Tested by
RE<1G	26 °C, 54% RH /30 °C, 58% RH	DC 3.7V From Fully Battery or AC 120V/60Hz	Ray/Jelly
PLC	23 °C, 52% RH	AC 120V/60Hz	Dragon
20BW	25 °C, 57% RH	DC 3.7V From Fully Battery or AC 120V/60Hz	Daniel

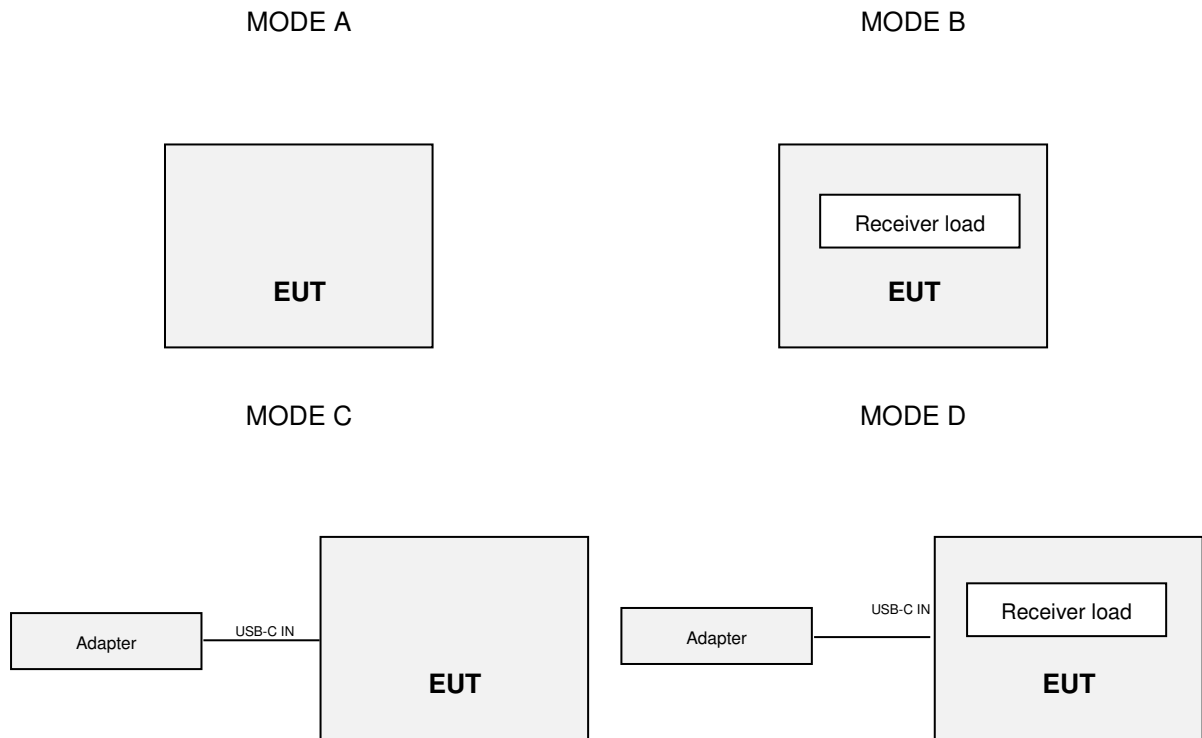
3.4 DESCRIPTION OF SUPPORT UNITS

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	USB-150PD-EU	N/A	N/A

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

3.5 CONFIGURATION OF SYSTEM UNDER TEST



3.6 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

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

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



4 EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

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

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

4.1.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101494	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:

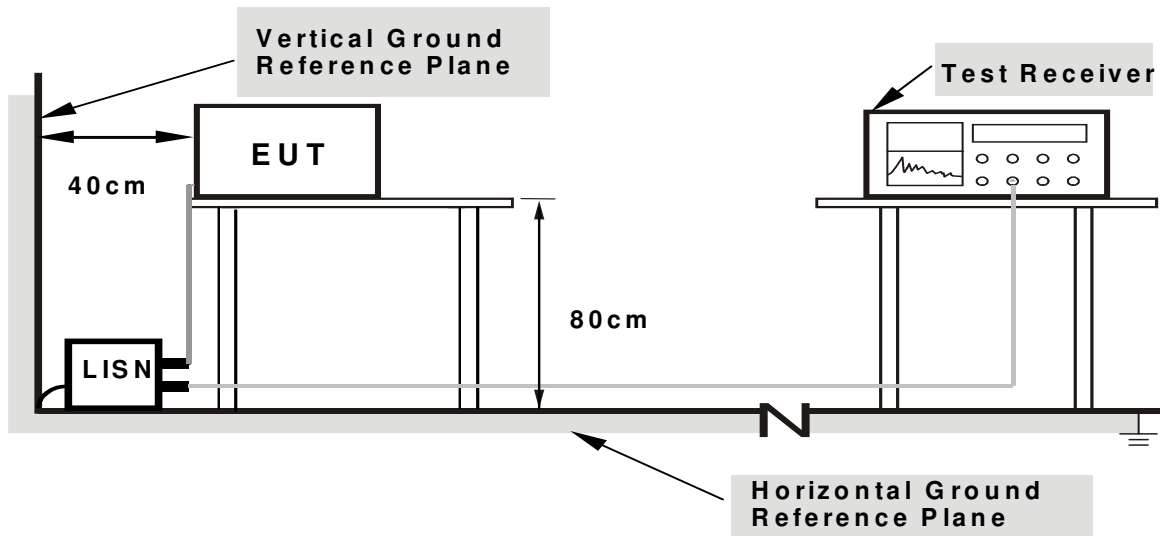
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission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

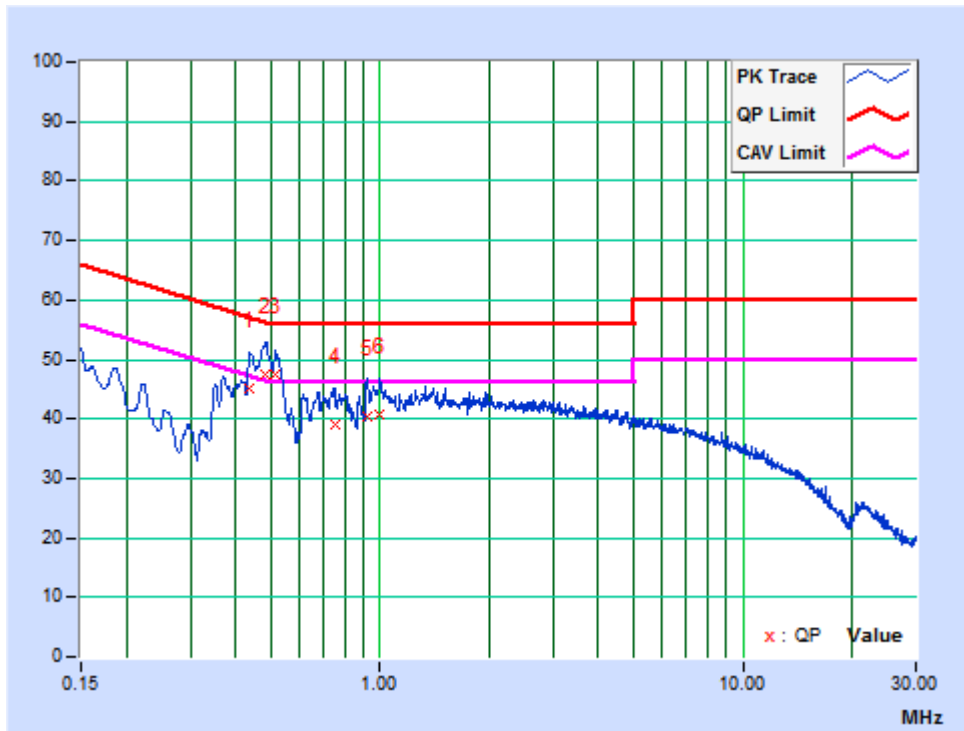


4.1.7 TEST RESULTS

TEST MODE	C	PHASE	Line(L)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	23deg. C, 52% RH		
	TESTED BY: Dragon		

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	0.43775	9.86	35.27	23.15	45.13	33.01	57.10	47.10	-11.98	-14.10
2	0.48523	9.86	37.54	28.67	47.40	38.53	56.25	46.25	-8.85	-7.72
3	0.51561	9.86	37.56	27.30	47.42	37.16	56.00	46.00	-8.58	-8.84
4	0.74850	9.83	29.18	19.63	39.01	29.46	56.00	46.00	-16.99	-16.54
5	0.92171	9.82	30.52	17.86	40.34	27.68	56.00	46.00	-15.66	-18.32
6	0.99243	9.82	31.07	18.77	40.89	28.59	56.00	46.00	-15.11	-17.41

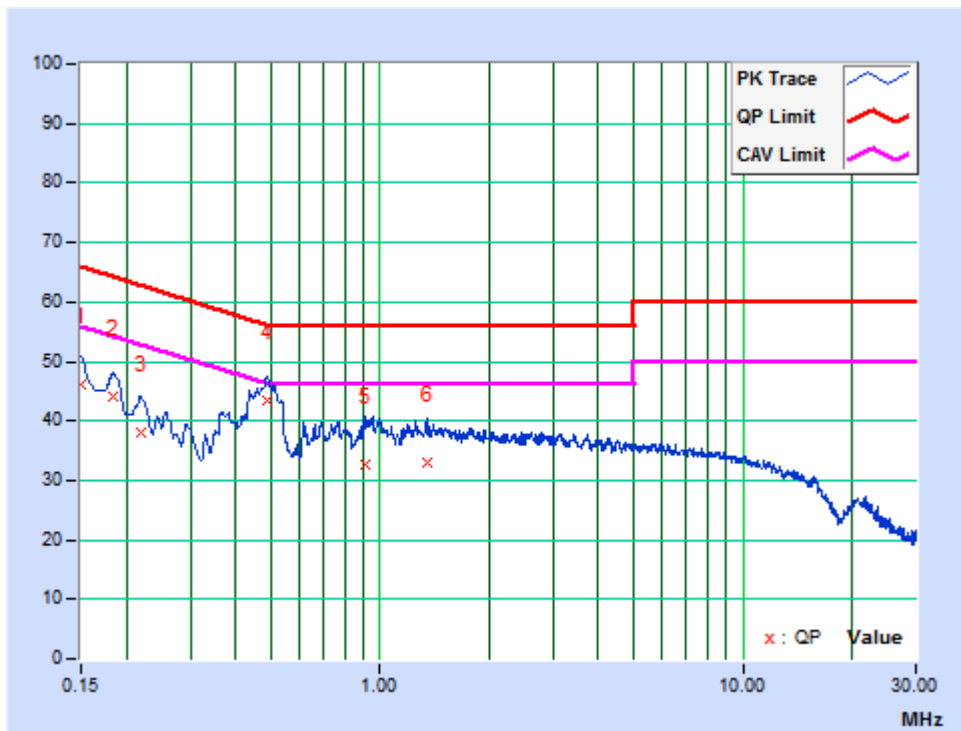
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	C	PHASE	Neutral (N)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	23deg. C, 52% RH	TESTED BY: Dragon	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.70	36.58	21.98	46.28	31.68	66.00	56.00	-19.72	-24.32
2	0.18316	9.71	34.43	21.50	44.14	31.21	64.34	54.34	-20.20	-23.13
3	0.21860	9.72	28.37	15.11	38.09	24.83	62.87	52.87	-24.78	-28.04
4	0.48780	9.81	33.71	25.25	43.52	35.06	56.21	46.21	-12.69	-11.15
5	0.90825	9.77	22.98	13.33	32.75	23.10	56.00	46.00	-23.25	-22.90
6	1.34808	9.80	23.12	14.93	32.92	24.73	56.00	46.00	-23.08	-21.27

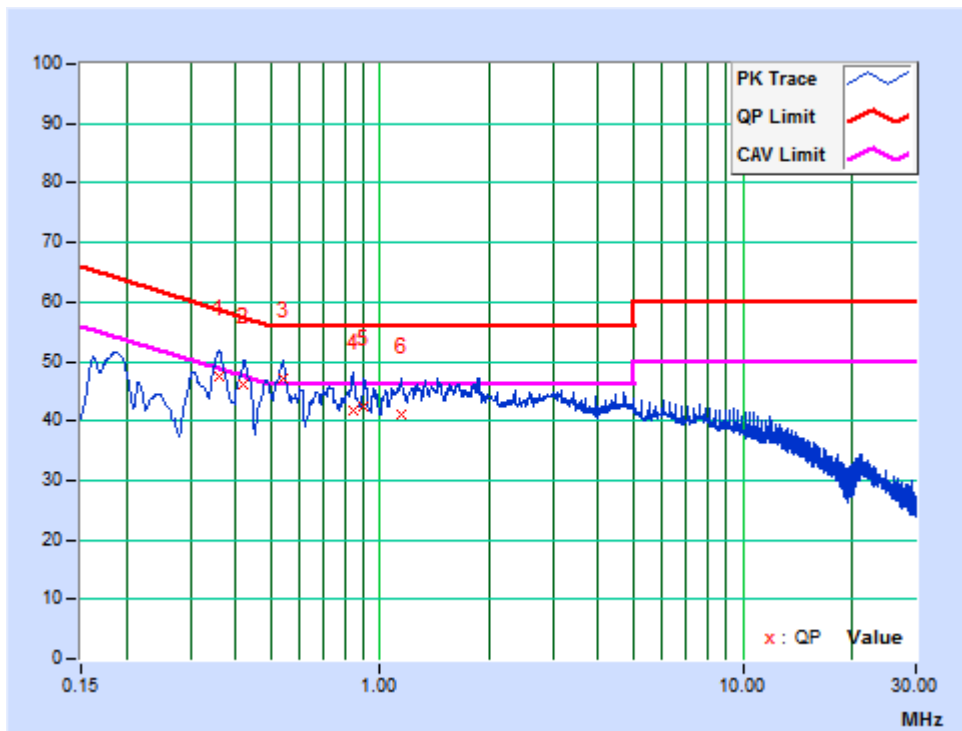
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	D	PHASE	Line(L)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	23deg. C, 52% RH		TESTED BY: Dragon

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	0.36101	9.84	37.73	22.55	47.57	32.39	58.71	48.71	-11.13	-16.31
2	0.42187	9.85	36.30	22.71	46.15	32.56	57.41	47.41	-11.26	-14.85
3	0.53928	9.85	37.27	23.23	47.12	33.08	56.00	46.00	-8.88	-12.92
4	0.84257	9.83	31.81	19.21	41.64	29.04	56.00	46.00	-14.36	-16.96
5	0.90483	9.82	32.64	20.43	42.46	30.25	56.00	46.00	-13.54	-15.75
6	1.14452	9.83	31.11	20.68	40.94	30.51	56.00	46.00	-15.06	-15.49

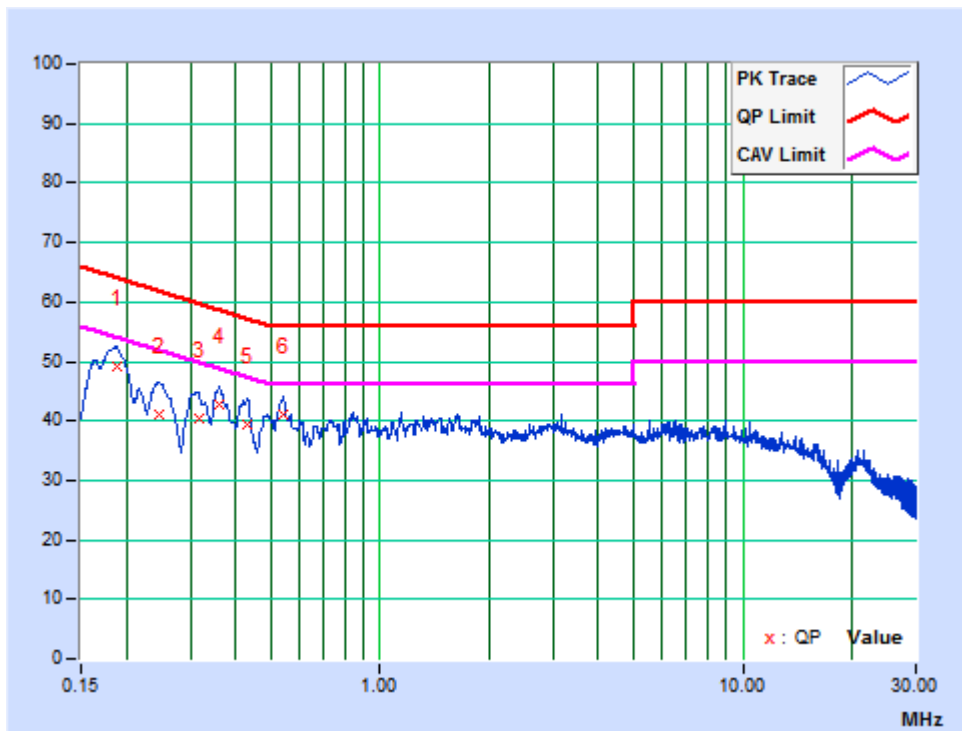
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	D	PHASE	Neutral (N)
TEST VOLTAGE	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	23deg. C, 52% RH	TESTED BY: Dragon	

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	0.18825	9.71	39.53	24.22	49.24	33.93	64.11	54.11	-14.87	-20.18
2	0.24488	9.73	31.27	18.90	41.00	28.63	61.93	51.93	-20.93	-23.30
3	0.31650	9.77	30.56	18.95	40.33	28.72	59.80	49.80	-19.47	-21.08
4	0.36006	9.78	32.88	20.71	42.66	30.49	58.73	48.73	-16.07	-18.24
5	0.42974	9.80	29.47	17.74	39.27	27.54	57.26	47.26	-17.99	-19.72
6	0.53928	9.80	31.19	19.84	40.99	29.64	56.00	46.00	-15.01	-16.36

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:

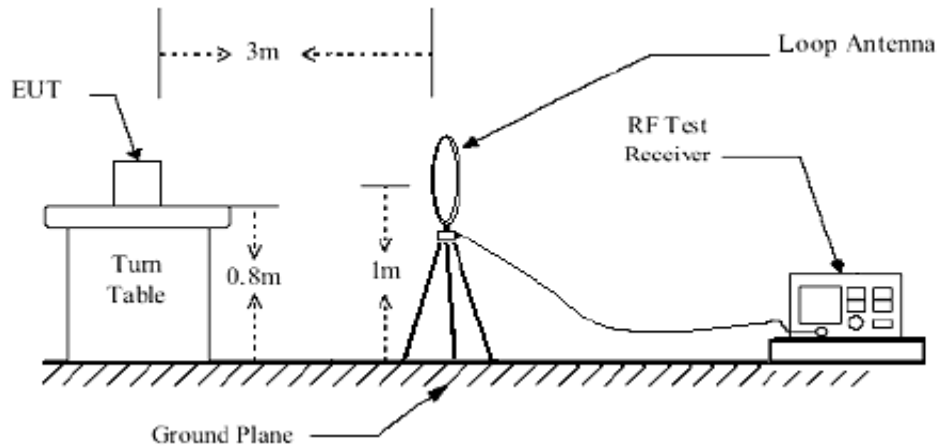
1. The resolution bandwidth of test receiver/spectrum analyzer is 100kHz for peak detection (PK) at fundamental frequency below 30MHz; The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at radiated spurious emission frequency below 1GHz.
2. Emission level(dBuV/m)=Raw 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

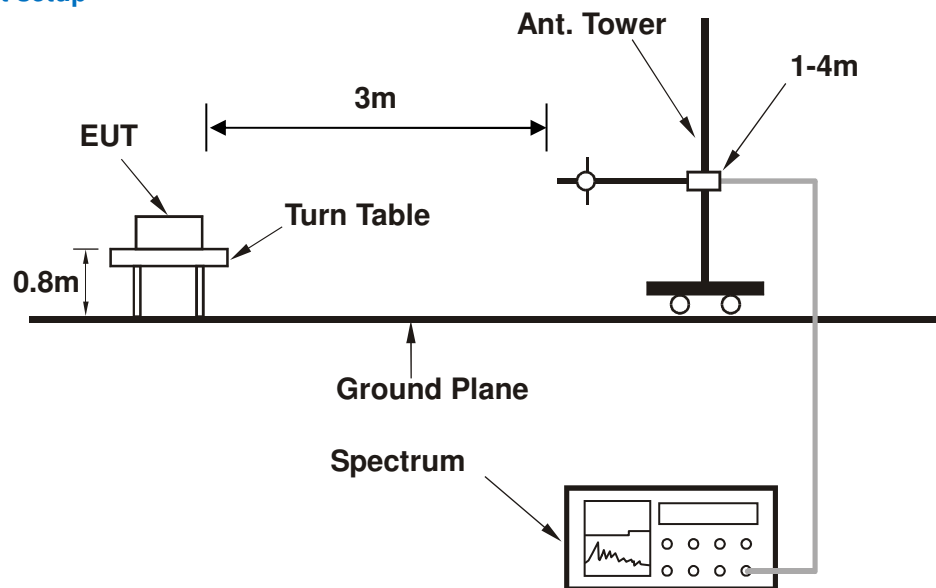
No deviation.

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.

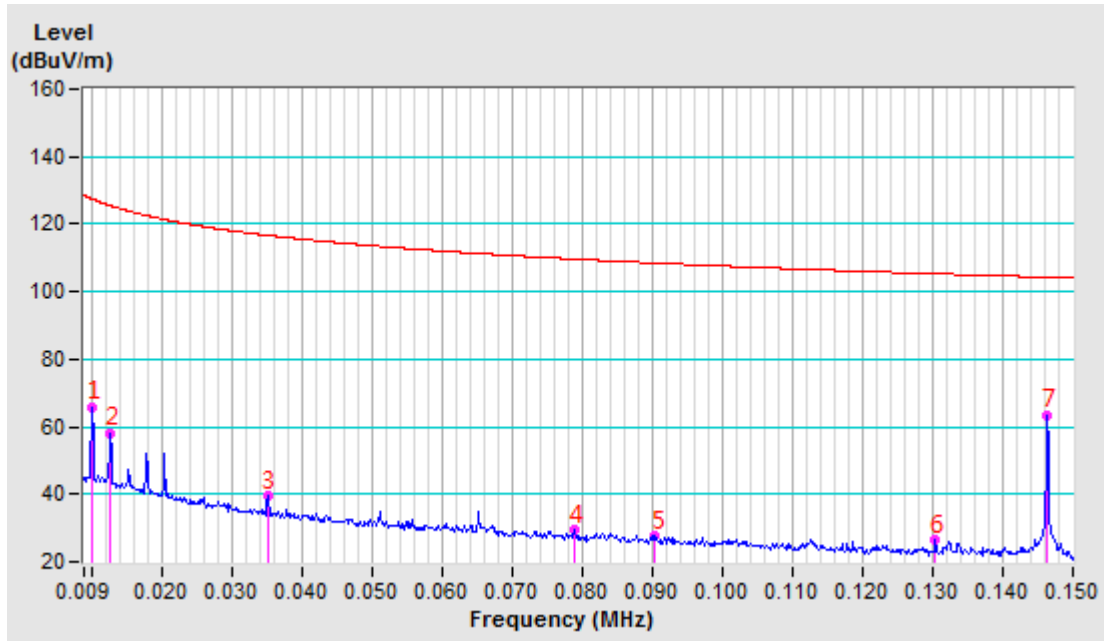


4.2.7 TEST RESULTS

Standby Mode

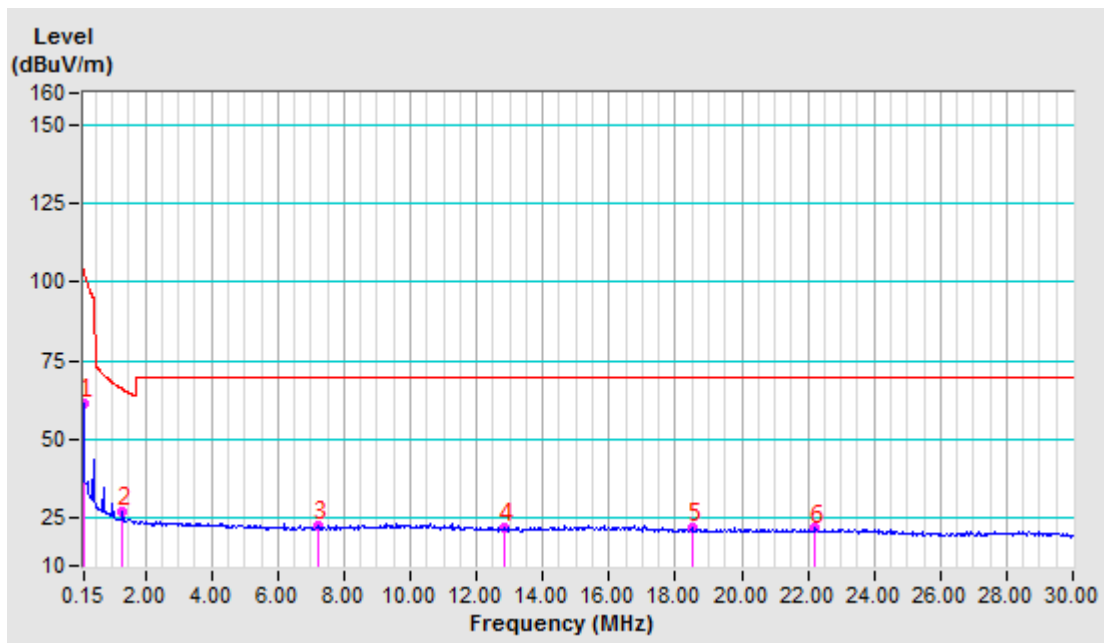
Test Mode	A	Frequency Range	9 kHz ~ 150 kHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% RH	Tested By	Ray

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	0.0102 AV	-10.05	76.01	65.96	127.40	-61.44	100	358
2	0.0128 AV	-10.21	68.38	58.17	125.46	-67.29	100	227
3	0.0351 AV	-11.34	50.71	39.37	116.69	-77.32	100	23
4	0.0789 AV	-11.67	40.92	29.25	109.66	-80.41	100	333
5	0.0905 QP	-11.73	39.34	27.61	108.47	-80.86	100	200
6	0.1304 AV	-11.85	38.39	26.54	105.30	-78.76	100	77
7	0.1463 AV	-11.87	75.41	63.54	104.29	-40.75	100	222



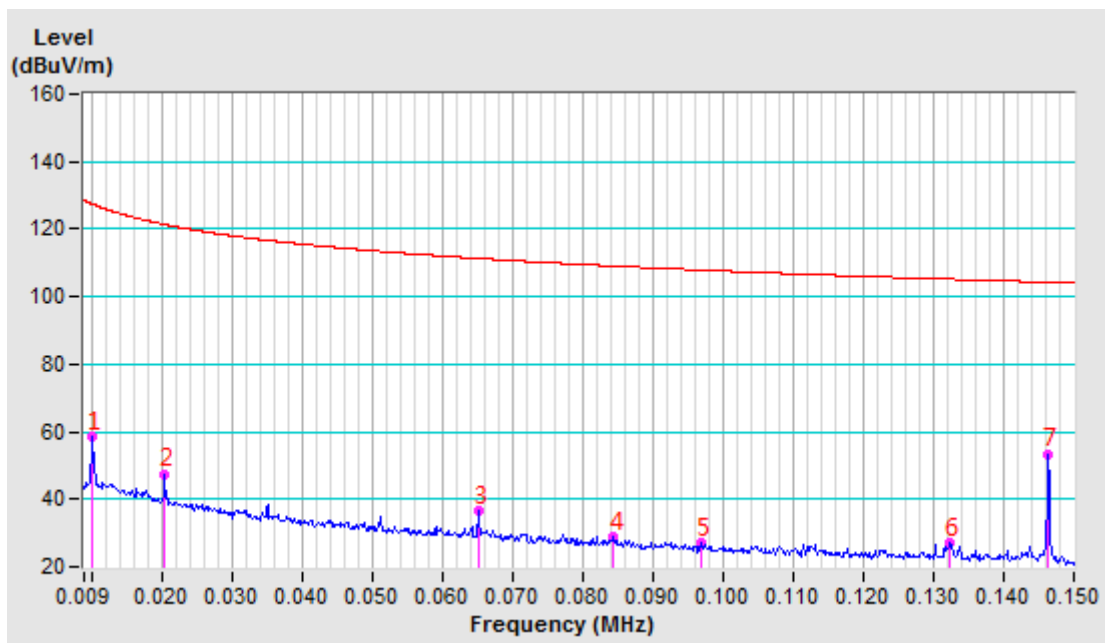
Test Mode	A	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% RH	Tested By	Ray

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	0.1500 AV	-11.87	73.39	61.52	104.08	-42.56	100	289
2	1.3157 QP	-12.03	38.96	26.93	66.01	-39.08	100	288
3	7.2129 QP	-11.91	34.89	22.98	69.54	-46.56	100	33
4	12.8399 QP	-11.66	34.04	22.38	69.54	-47.16	100	43
5	18.5325 QP	-11.50	33.41	21.91	69.54	-47.63	100	32
6	22.2147 QP	-11.60	33.37	21.77	69.54	-47.77	100	314



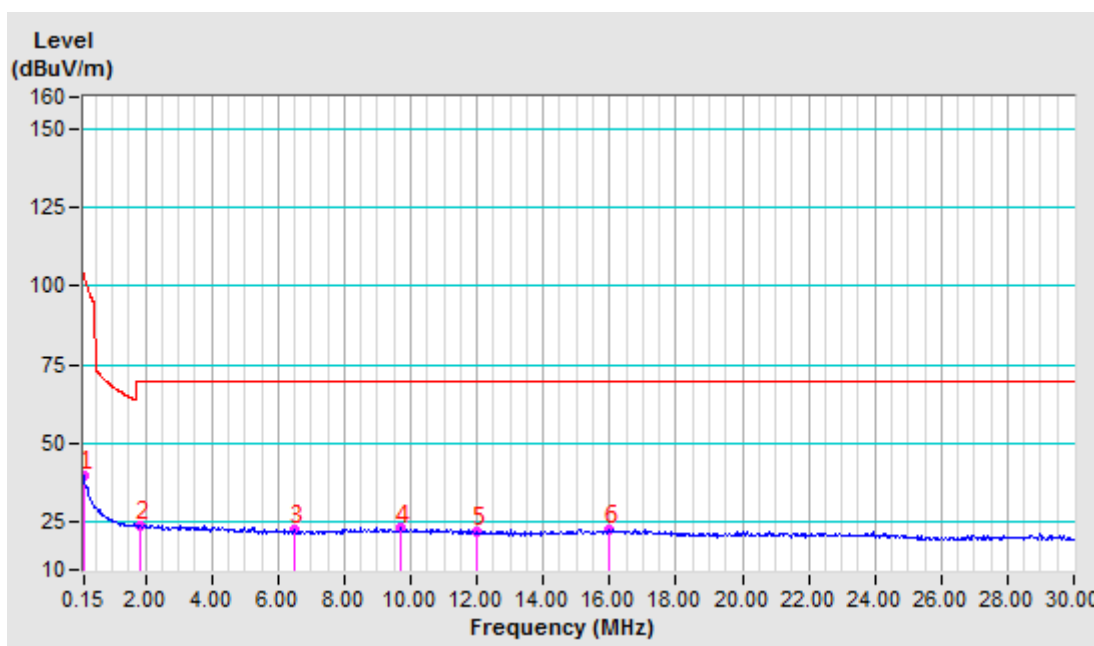
Test Mode	A	Frequency Range	9 kHz ~ 150 kHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% RH	Tested By	Ray

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	68.59	58.54	127.41	-68.87	100	4
2	0.0205 AV	-10.67	58.19	47.52	121.38	-73.86	100	360
3	0.0652 AV	-11.61	47.98	36.37	111.32	-74.95	100	189
4	0.0845 AV	-11.69	40.35	28.66	109.07	-80.41	100	21
5	0.0969 QP	-11.76	38.76	27.00	107.87	-80.87	100	263
6	0.1324 AV	-11.85	38.88	27.03	105.16	-78.13	100	207
7	0.1464 AV	-11.87	65.30	53.43	104.29	-50.86	100	144



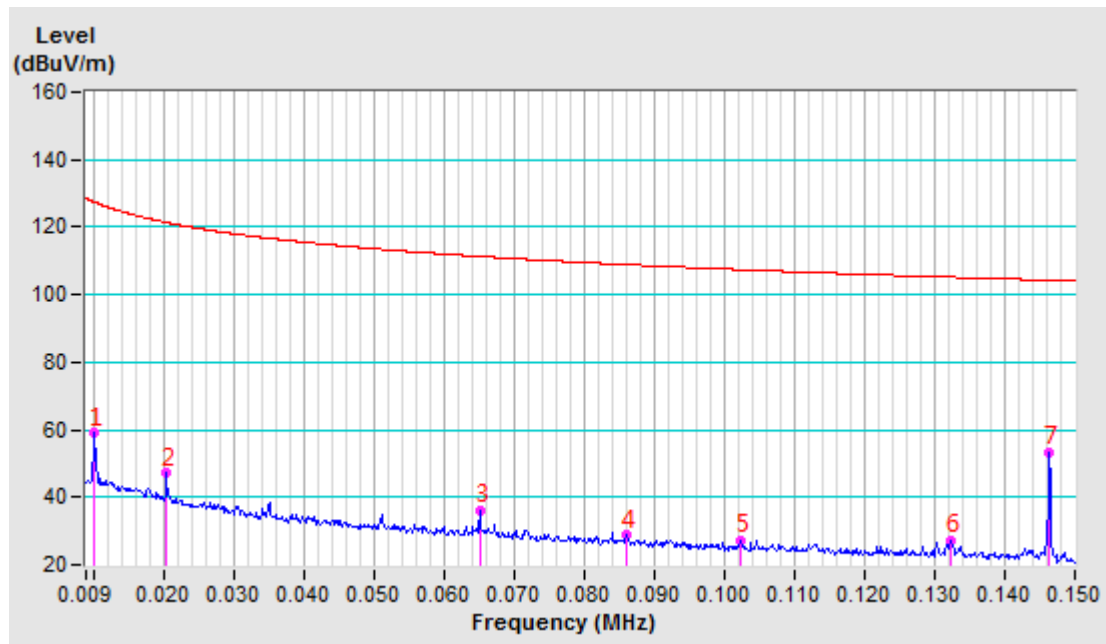
est Mode	A	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% RH	Tested By	Ray

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	52.00	40.12	103.91	-63.79	100	299
2	1.8366 QP	-12.06	36.19	24.13	69.54	-45.41	100	38
3	6.4934 QP	-11.96	34.99	23.03	69.54	-46.51	100	16
4	9.6741 QP	-11.77	34.85	23.08	69.54	-46.46	100	222
5	11.9652 QP	-11.75	34.07	22.32	69.54	-47.22	100	296
6	15.9564 QP	-11.54	34.21	22.67	69.54	-46.87	100	163



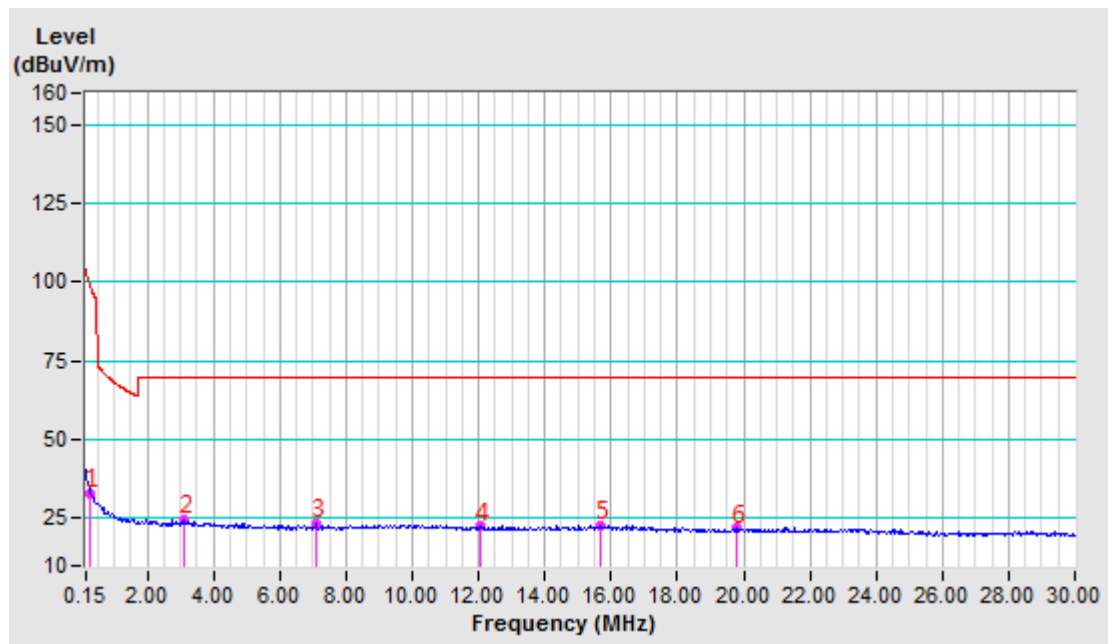
Test Mode	A	Frequency Range	9 kHz ~ 150 kHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% RH	Tested By	Ray

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	0.0102 AV	-10.05	68.92	58.87	127.40	-68.53	100	140
2	0.0204 AV	-10.67	57.93	47.26	121.39	-74.13	100	87
3	0.0651 AV	-11.61	47.74	36.13	111.33	-75.20	100	189
4	0.0860 AV	-11.71	40.35	28.64	108.92	-80.28	100	222
5	0.1024 QP	-11.78	39.04	27.26	107.40	-80.14	100	337
6	0.1324 AV	-11.85	39.22	27.37	105.17	-77.80	100	230
7	0.1463 AV	-11.87	65.27	53.40	104.29	-50.89	100	142



Test Mode	A	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% RH	Tested By	Ray

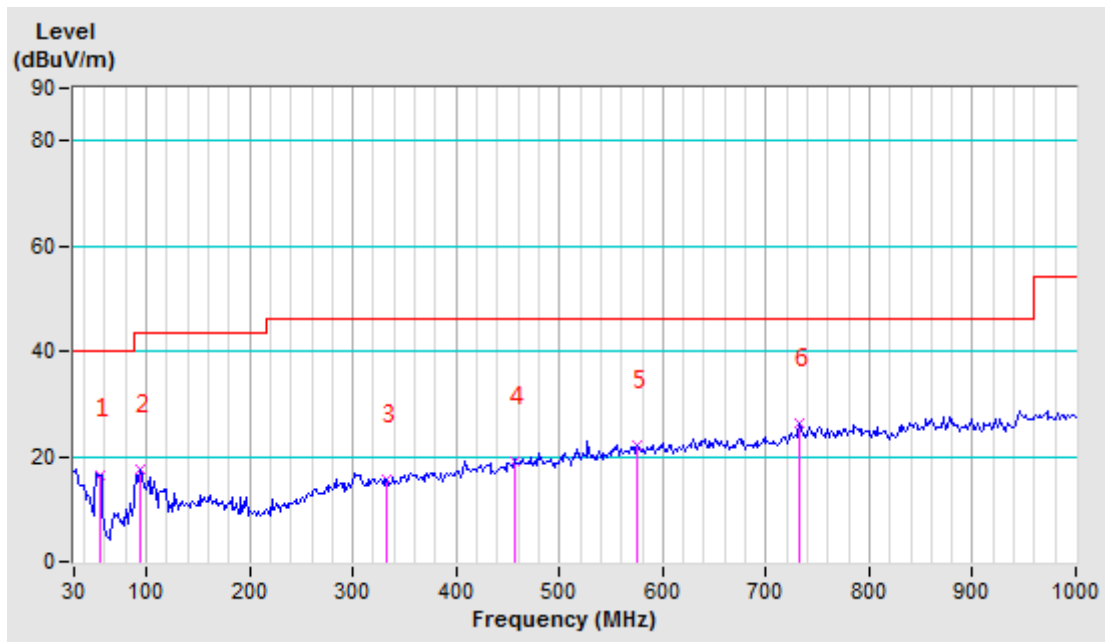
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA GROUND-PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.2993 AV	-12.18	45.13	32.95	98.08	-65.13	100	121
2	3.0993 QP	-12.00	36.85	24.85	69.54	-44.69	100	194
3	7.0785 QP	-11.93	35.47	23.54	69.54	-46.00	100	171
4	12.0757 QP	-11.74	34.16	22.42	69.54	-47.12	100	351
5	15.6638 QP	-11.54	34.03	22.49	69.54	-47.05	100	156
6	19.7774 QP	-11.38	33.18	21.80	69.54	-47.74	100	205



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	54.87	-22.94	39.52	16.58	40.00	-23.42	200	336
2	93.73	-20.62	38.25	17.63	43.50	-25.87	200	325
3	333.12	-13.36	29.02	15.66	46.00	-30.34	200	347
4	455.93	-10.38	29.43	19.05	46.00	-26.95	200	310
5	575.62	-7.15	29.37	22.22	46.00	-23.78	200	358
6	732.63	-3.99	30.14	26.15	46.00	-19.85	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.

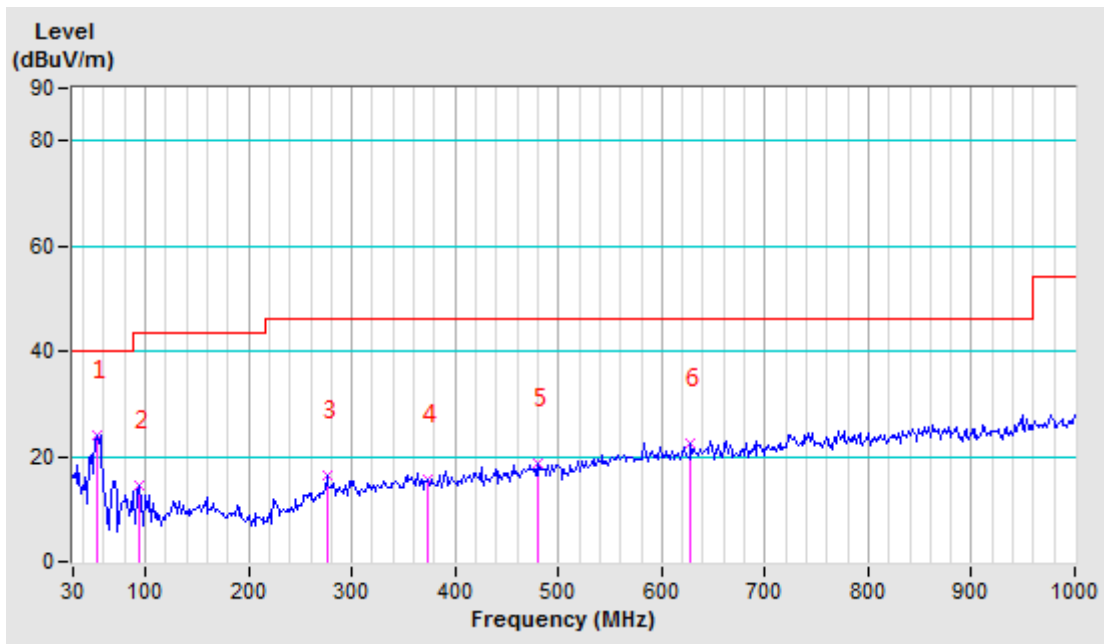




Test Mode	A	Frequency Range	30MHz ~ 1000MHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	Quasi-Peak (QP)
Environmental Conditions	30deg. C, 58% RH	Tested By	Jelly

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	46.45	24.11	40.00	-15.89	200	0
2	93.73	-20.62	34.98	14.36	43.50	-29.14	200	0
3	275.61	-15.48	31.89	16.41	46.00	-29.59	200	0
4	373.54	-12.09	27.71	15.62	46.00	-30.38	200	0
5	479.25	-10.09	28.85	18.76	46.00	-27.24	200	0
6	628.48	-6.33	28.81	22.48	46.00	-23.52	200	0

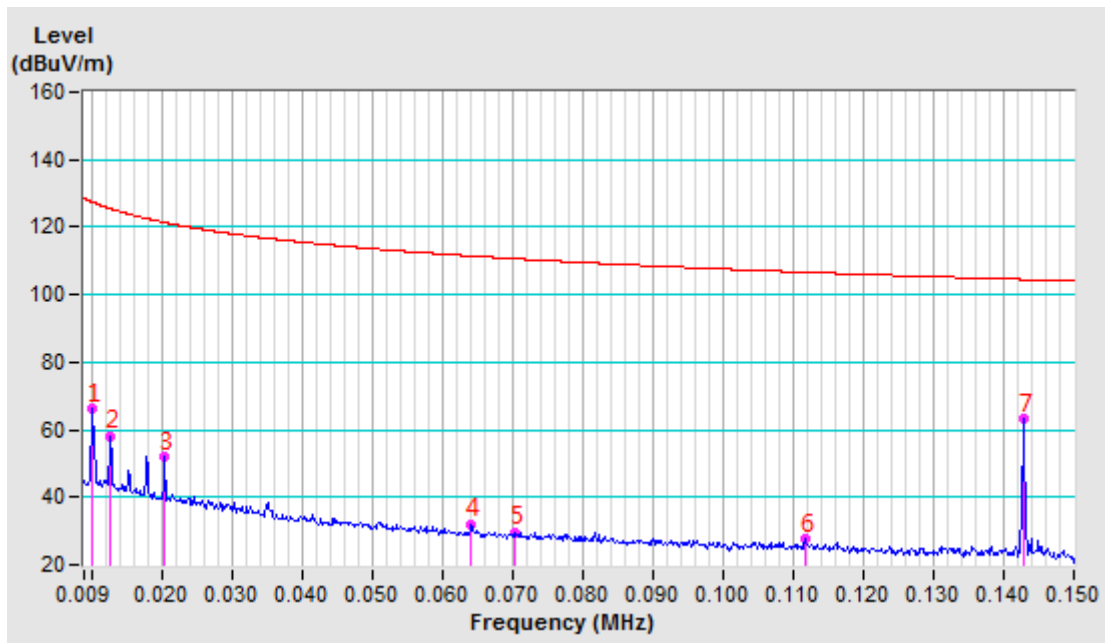
- REMARKS:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 2. Negative sign (-) in the margin column signify levels below the limit.
 3. Frequency range scanned: 30-1000MHz.
 4. Only emissions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



Charging Mode

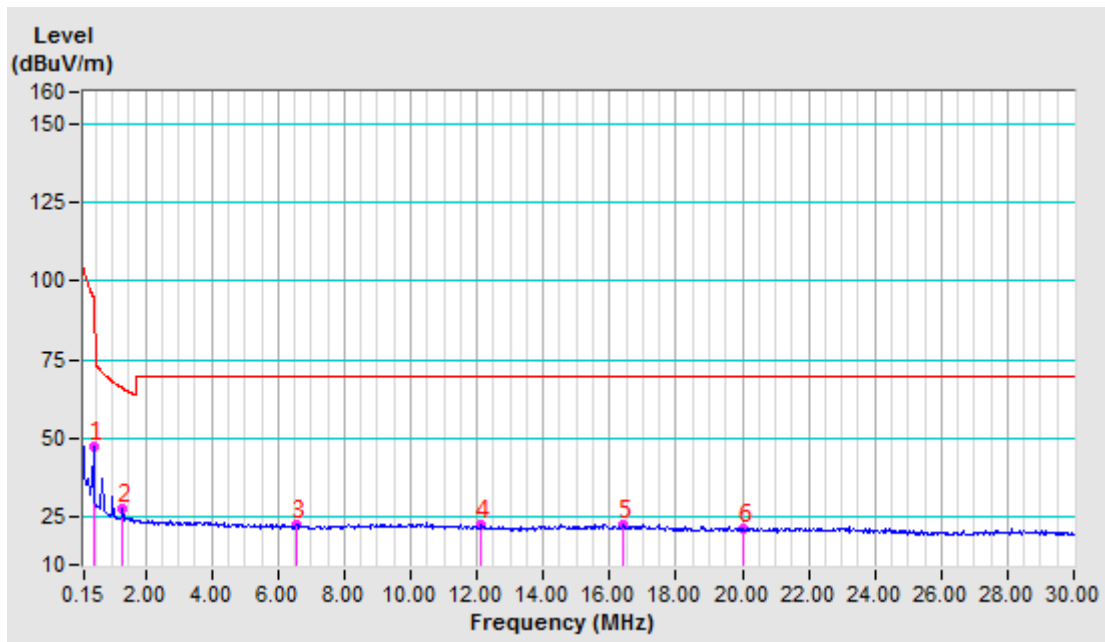
Test Mode	B	Frequency Range	9 kHz ~ 150 kHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% RH	Tested By	Ray

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	0.0102 AV	-10.05	76.03	65.98	127.40	-61.42	100	133
2	0.0128 AV	-10.21	68.41	58.20	125.46	-67.26	100	345
3	0.0205 AV	-10.67	62.63	51.96	121.38	-69.42	100	27
4	0.0642 AV	-11.60	43.57	31.97	111.45	-79.48	100	176
5	0.0703 AV	-11.63	41.39	29.76	110.67	-80.91	100	221
6	0.1117 AV	-11.80	39.46	27.66	106.64	-78.98	100	210
7	0.1429 AV	-11.86	74.92	63.06	104.50	-41.44	100	187



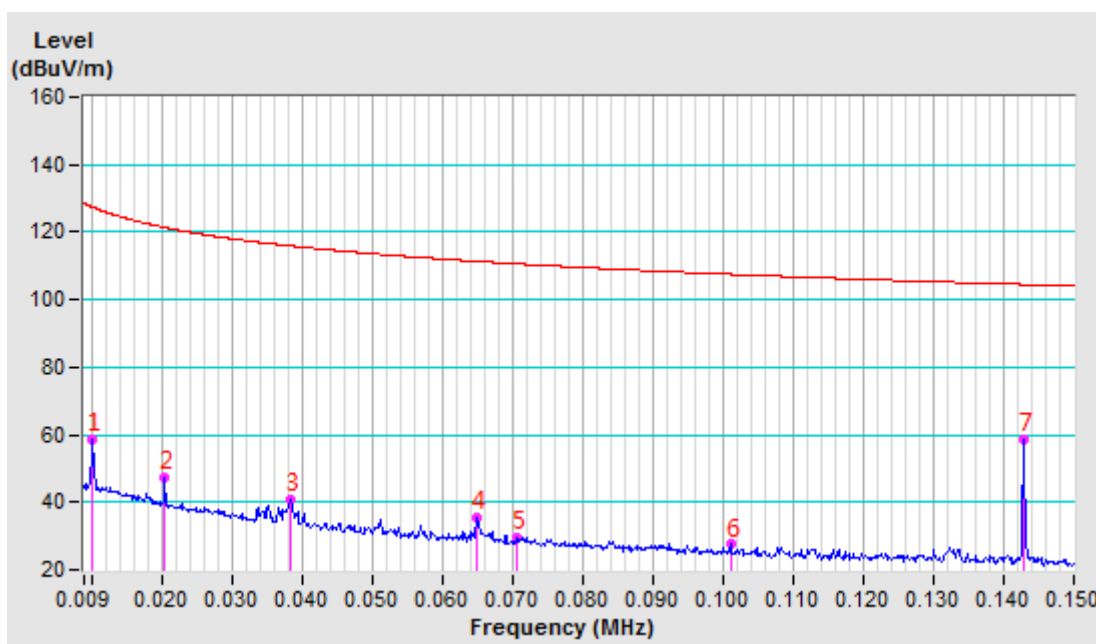
Test Mode	B	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% RH	Tested By	Ray

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	0.4306 AV	-12.04	59.67	47.63	94.92	-47.29	100	190
2	1.2918 QP	-12.03	39.79	27.76	66.16	-38.40	100	6
3	6.5352 QP	-11.95	34.67	22.72	69.54	-46.82	100	48
4	12.1264 QP	-11.74	34.32	22.58	69.54	-46.96	100	264
5	16.4295 QP	-11.55	34.17	22.62	69.54	-46.92	100	140
6	20.0415 QP	-11.37	32.94	21.57	69.54	-47.97	100	102



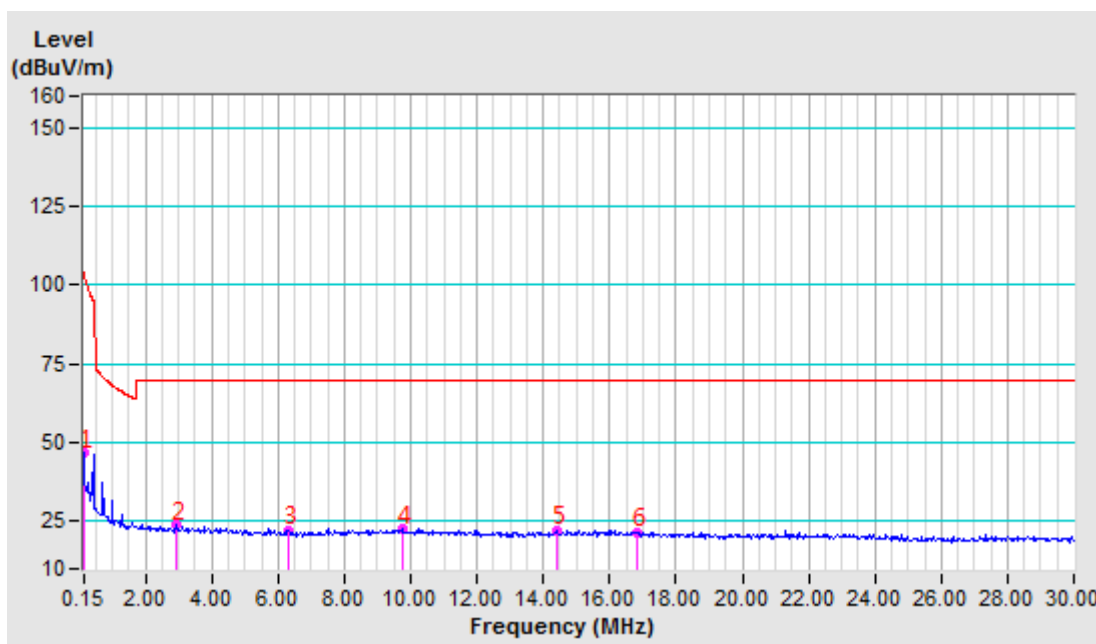
Test Mode	B	Frequency Range	9 kHz ~ 150 kHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% RH	Tested By	Ray

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	68.82	58.77	127.40	-68.63	100	301
2	0.0205 AV	-10.67	58.25	47.58	121.38	-73.80	100	2
3	0.0384 AV	-11.39	52.26	40.87	115.93	-75.06	100	279
4	0.0650 AV	-11.61	47.24	35.63	111.34	-75.71	100	14
5	0.0706 AV	-11.63	41.31	29.68	110.63	-80.95	100	360
6	0.1011 QP	-11.78	39.22	27.44	107.51	-80.07	100	283
7	0.1429 AV	-11.86	70.64	58.78	104.50	-45.72	100	116



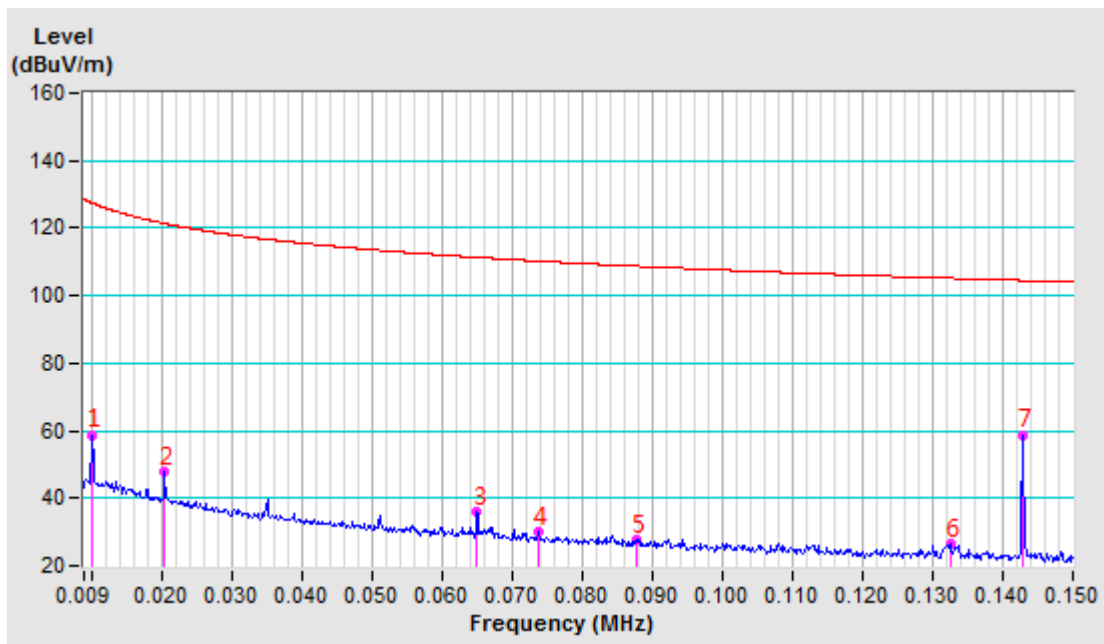
Test Mode	B	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% RH	Tested By	Ray

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	0.1500 AV	-11.87	58.47	46.60	104.08	-57.48	100	0
2	2.9232 QP	-12.01	35.68	23.67	69.54	-45.87	100	8
3	6.2964 QP	-11.96	34.30	22.34	69.54	-47.20	100	0
4	9.7562 QP	-11.76	34.20	22.44	69.54	-47.10	100	3
5	14.3996 QP	-11.54	33.91	22.37	69.54	-47.17	100	8
6	16.8161 QP	-11.55	32.98	21.43	69.54	-48.11	100	0



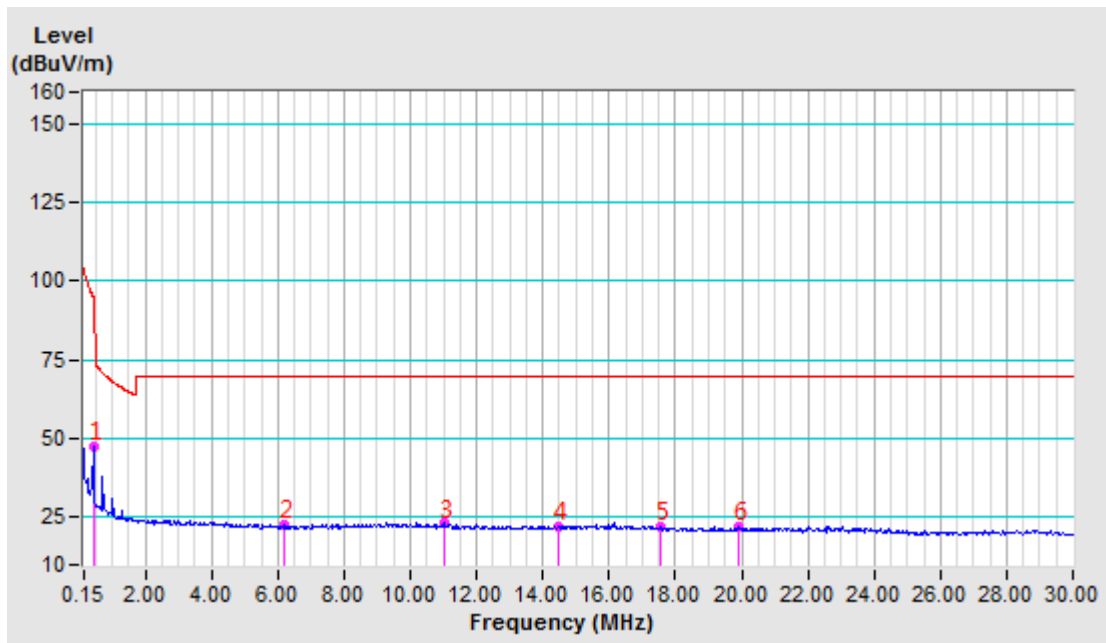
Test Mode	B	Frequency Range	9 kHz ~ 150 kHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% RH	Tested By	Ray

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	0.0102 AV	-10.05	68.89	58.84	127.40	-68.56	100	360
2	0.0205 AV	-10.67	58.52	47.85	121.37	-73.52	100	204
3	0.0651 AV	-11.61	47.34	35.73	111.33	-75.60	100	306
4	0.0739 AV	-11.64	41.54	29.90	110.23	-80.33	100	274
5	0.0877 AV	-11.72	39.43	27.71	108.74	-81.03	100	233
6	0.1325 AV	-11.85	38.16	26.31	105.16	-78.85	100	119
7	0.1429 AV	-11.86	70.61	58.75	104.50	-45.75	100	117



Test Mode	B	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	DC 3.7V from Li-ion Battery	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% RH	Tested By	Ray

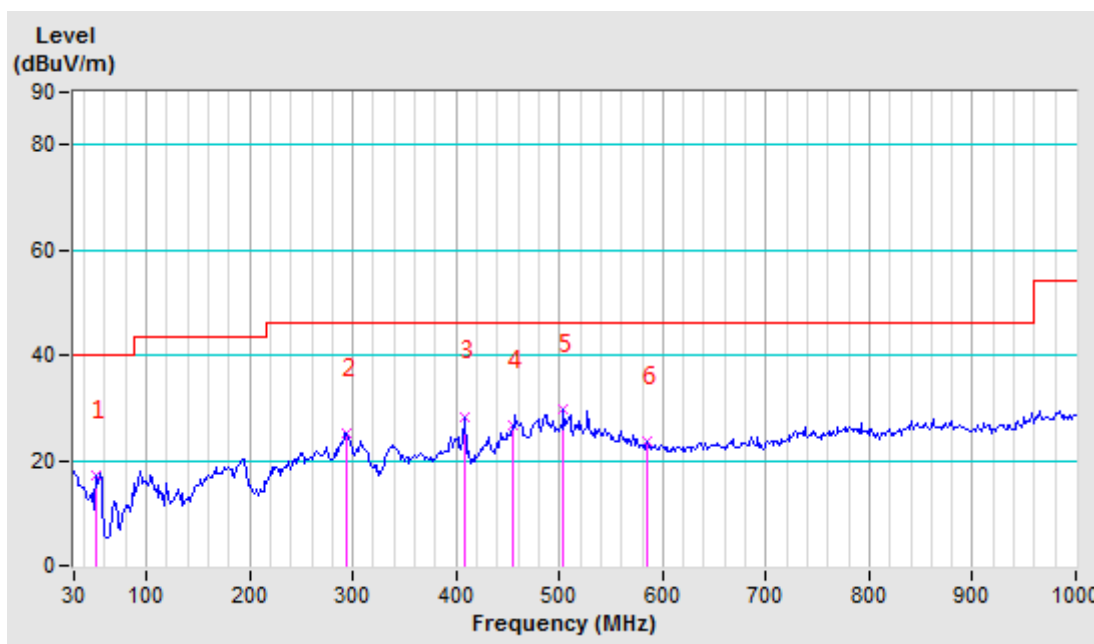
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA GROUND-PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.4306 AV	-12.04	59.68	47.64	94.92	-47.28	100	200
2	6.1740 QP	-11.97	34.84	22.87	69.54	-46.67	100	342
3	11.0219 QP	-11.74	34.85	23.11	69.54	-46.43	100	16
4	14.4683 QP	-11.54	33.91	22.37	69.54	-47.17	100	97
5	17.5773 QP	-11.55	33.62	22.07	69.54	-47.47	100	174
6	19.8968 QP	-11.37	33.32	21.95	69.54	-47.59	100	320



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	51.76	-21.77	38.94	17.17	40.00	-22.83	200	0
2	294.26	-14.57	39.68	25.11	46.00	-20.89	200	0
3	407.74	-11.37	39.75	28.38	46.00	-17.62	200	0
4	454.37	-10.44	37.00	26.56	46.00	-19.44	200	0
5	504.12	-9.34	38.95	29.61	46.00	-16.39	200	0
6	584.95	-6.99	30.53	23.54	46.00	-22.46	200	0

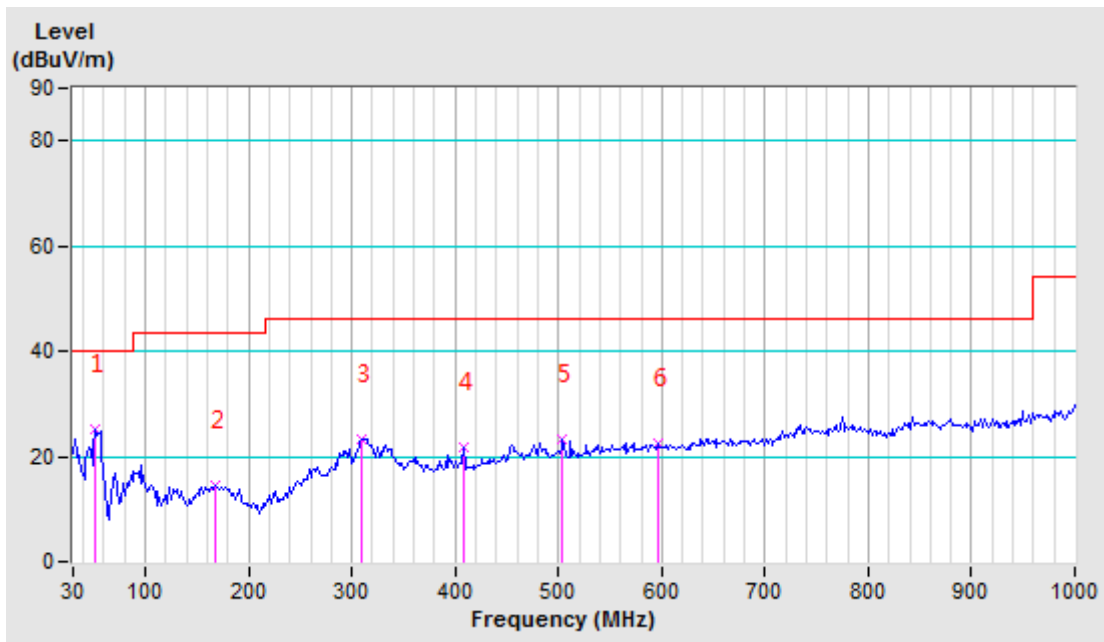
- REMARKS:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 2. Negative sign (-) in the margin column signify levels below the limit.
 3. Frequency range scanned: 30-1000MHz.
 4. Only emissions 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	46.94	25.17	40.00	-14.83	200	0
2	168.35	-17.86	32.41	14.55	43.50	-28.95	200	0
3	309.81	-13.97	37.22	23.25	46.00	-22.75	200	0
4	407.74	-11.37	33.19	21.82	46.00	-24.18	200	0
5	504.12	-9.34	32.53	23.19	46.00	-22.81	200	0
6	595.83	-6.82	29.31	22.49	46.00	-23.51	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.

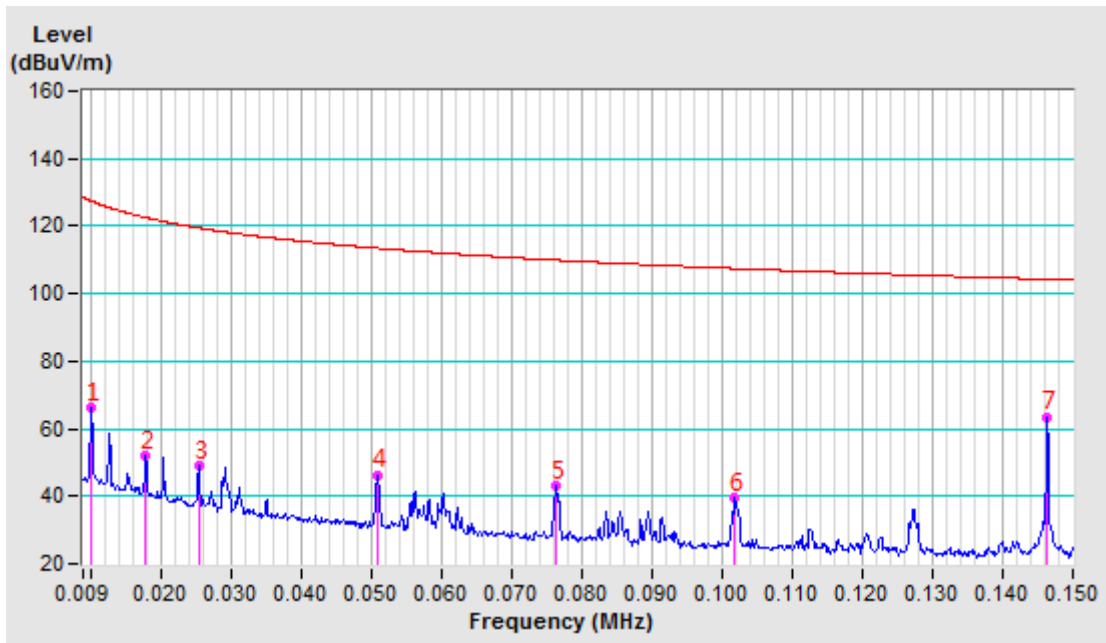




Standby Mode

Test Mode	C	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% 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	0.0102 AV	-10.05	76.19	66.14	127.40	-61.26	100	0
2	0.0179 AV	-10.51	62.40	51.89	122.54	-70.65	100	328
3	0.0255 AV	-10.97	59.80	48.83	119.49	-70.66	100	164
4	0.0509 AV	-11.56	57.78	46.22	113.47	-67.25	100	185
5	0.0764 AV	-11.66	54.76	43.10	109.94	-66.84	100	170
6	0.1019 QP	-11.78	51.09	39.31	107.44	-68.13	100	170
7	0.1463 AV	-11.87	75.36	63.49	104.29	-40.80	100	220



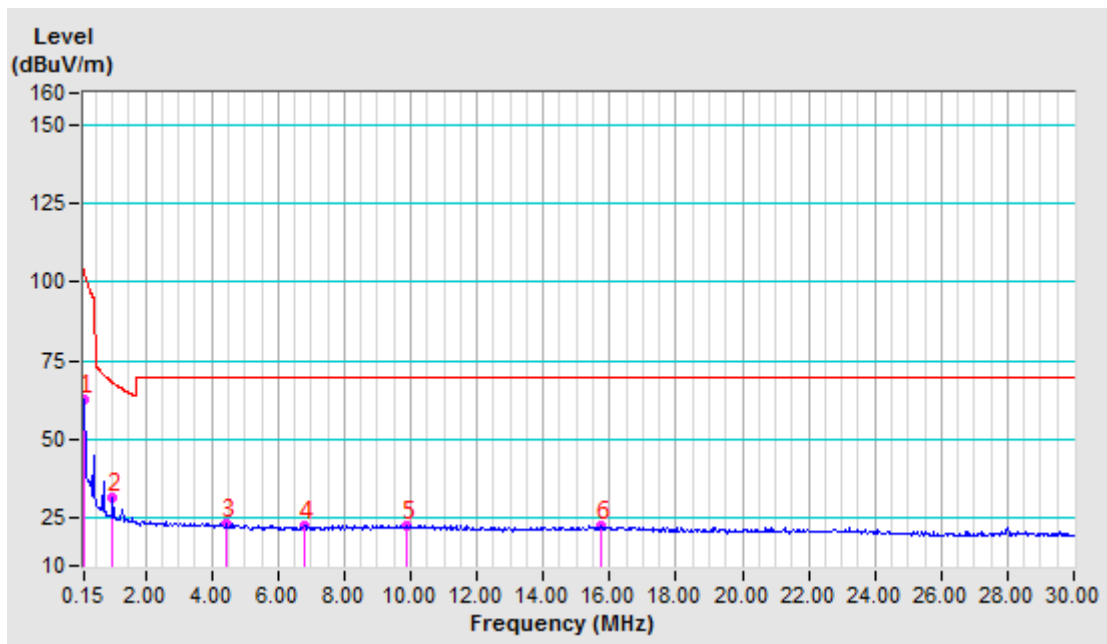


**BUREAU
VERITAS**

Test Report No.: RF2101WDG0287

Test Mode	C	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% 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	0.1500 AV	-11.87	74.61	62.74	104.08	-41.34	100	225
2	1.0232 QP	-12.01	43.73	31.72	68.00	-36.28	100	218
3	4.4426 QP	-11.96	35.53	23.57	69.54	-45.97	100	262
4	6.7949 QP	-11.93	34.80	22.87	69.54	-46.67	100	208
5	9.8592 QP	-11.76	34.48	22.72	69.54	-46.82	100	354
6	15.7131 QP	-11.54	34.21	22.67	69.54	-46.87	100	200



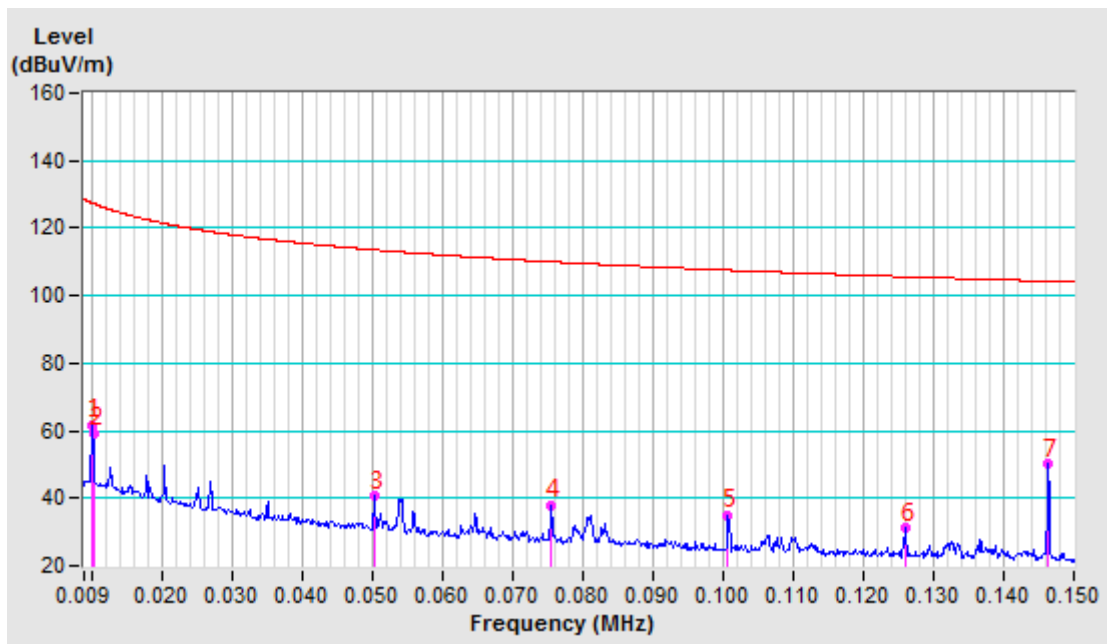


**BUREAU
VERITAS**

Test Report No.: RF2101WDG0287

Test Mode	C	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% 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	71.83	61.78	127.40	-65.62	100	49
2	0.0103 AV	-10.06	69.33	59.27	127.32	-68.05	100	189
3	0.0504 AV	-11.56	52.06	40.50	113.56	-73.06	100	100
4	0.0755 AV	-11.66	49.57	37.91	110.04	-72.13	100	120
5	0.1007 QP	-11.78	46.90	35.12	107.54	-72.42	100	105
6	0.1260 AV	-11.84	42.94	31.10	105.60	-74.50	100	232
7	0.1463 AV	-11.87	61.84	49.97	104.29	-54.32	100	309



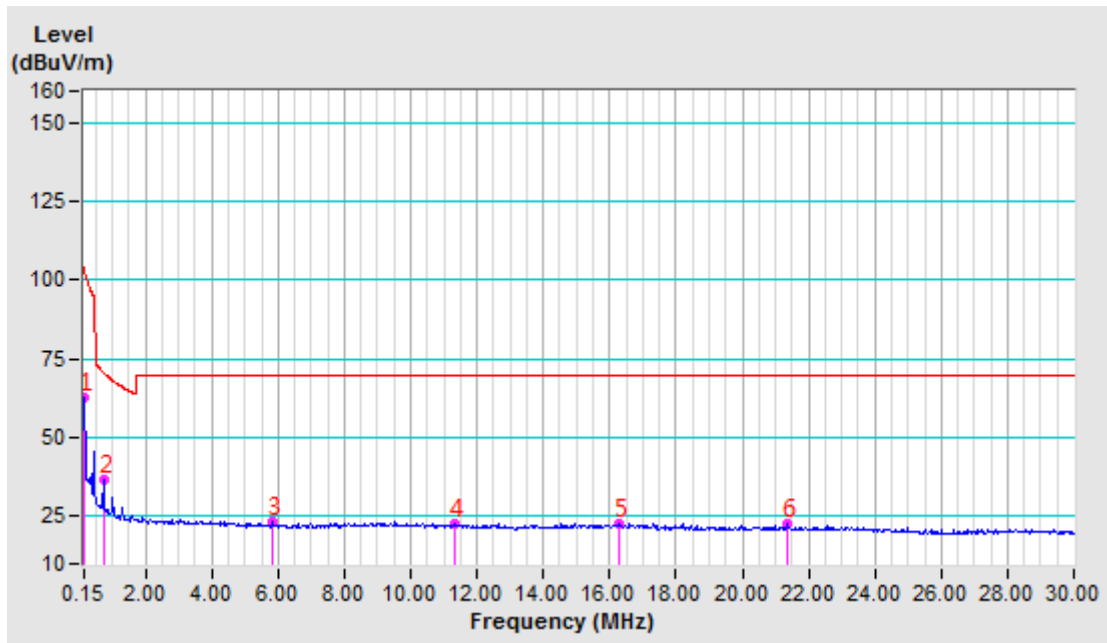


**BUREAU
VERITAS**

Test Report No.: RF2101WDG0287

Test Mode	C	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% 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	0.1500 AV	-11.87	74.71	62.84	104.08	-41.24	100	219
2	0.7306 QP	-11.97	48.56	36.59	70.65	-34.06	100	239
3	5.8158 QP	-11.97	35.24	23.27	69.54	-46.27	100	241
4	11.3339 QP	-11.75	34.47	22.72	69.54	-46.82	100	329
5	16.2907 QP	-11.55	34.05	22.50	69.54	-47.04	100	192
6	21.3550 QP	-11.53	34.12	22.59	69.54	-46.95	100	34



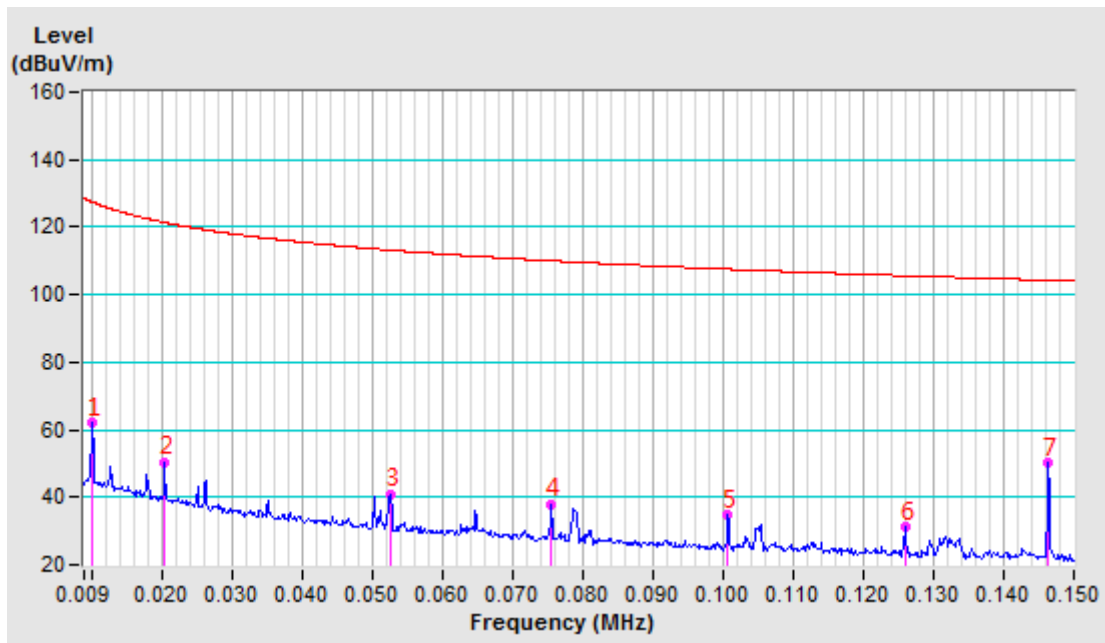


**BUREAU
VERITAS**

Test Report No.: RF2101WDG0287

Test Mode	C	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% 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	0.0102 AV	-10.05	71.91	61.86	127.40	-65.54	100	323
2	0.0205 AV	-10.67	61.03	50.36	121.38	-71.02	100	360
3	0.0526 AV	-11.57	52.56	40.99	113.18	-72.19	100	113
4	0.0755 AV	-11.66	49.69	38.03	110.04	-72.01	100	107
5	0.1007 QP	-11.78	46.57	34.79	107.54	-72.75	100	102
6	0.1259 AV	-11.84	43.05	31.21	105.60	-74.39	100	116
7	0.1463 AV	-11.87	61.98	50.11	104.29	-54.18	100	312



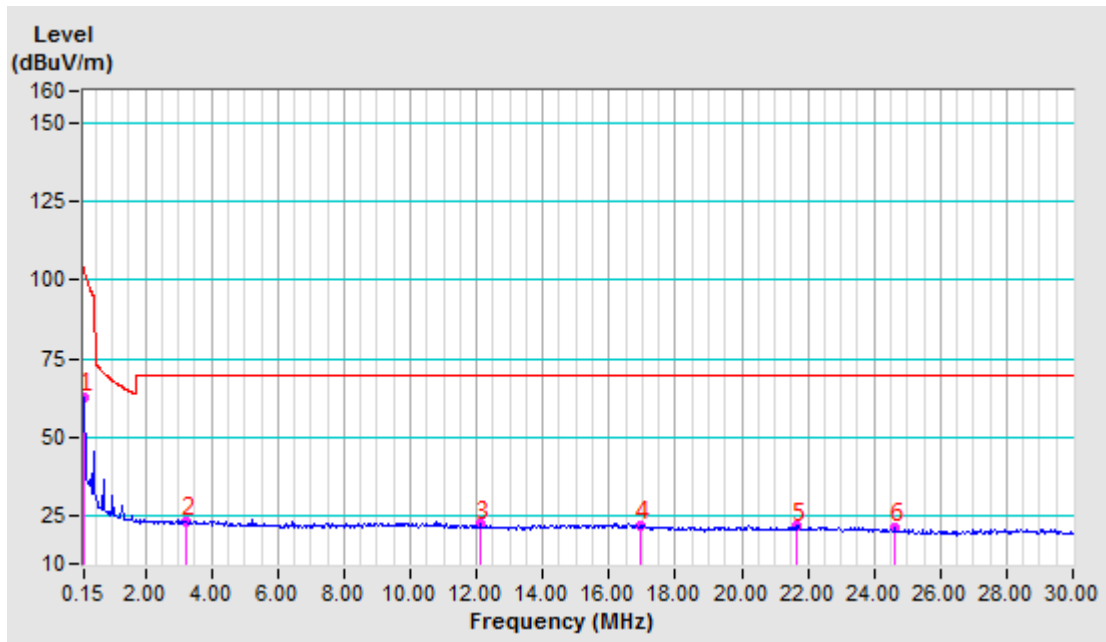


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VERITAS**

Test Report No.: RF2101WDG0287

Test Mode	C	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% RH	Tested By	Ray

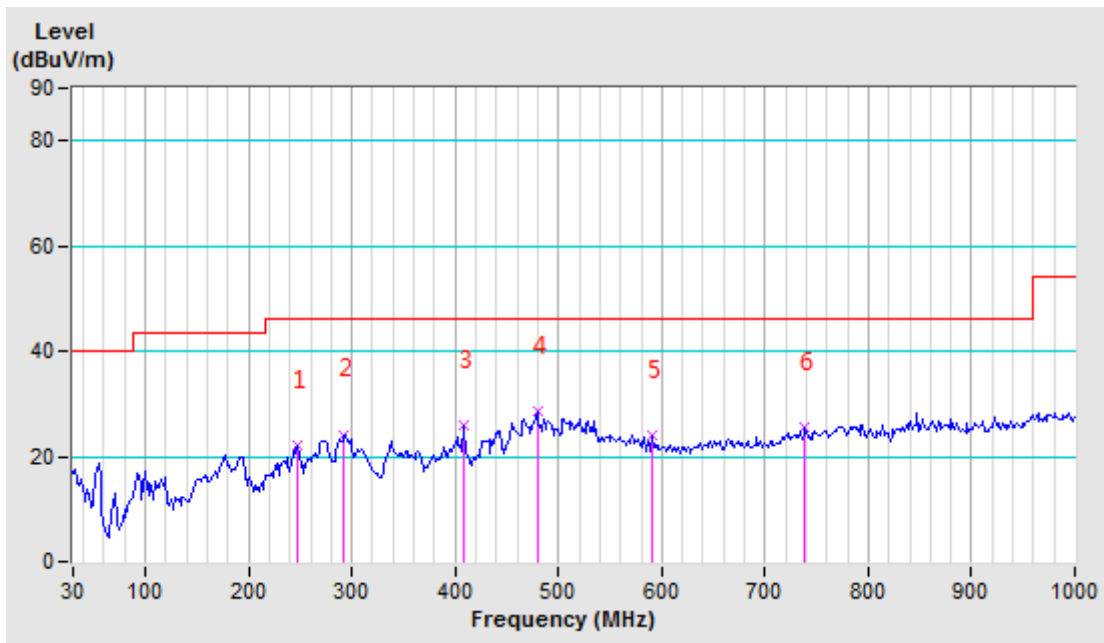
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA GROUND-PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.1500 AV	-11.87	74.66	62.79	104.08	-41.29	100	227
2	3.2232 QP	-11.99	35.60	23.61	69.54	-45.93	100	232
3	12.1249 QP	-11.74	34.19	22.45	69.54	-47.09	100	343
4	16.9564 QP	-11.54	33.80	22.26	69.54	-47.28	100	76
5	21.6401 QP	-11.57	33.41	21.84	69.54	-47.70	100	37
6	24.6297 QP	-11.66	32.91	21.25	69.54	-48.29	100	46



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	247.63	-16.83	39.07	22.24	46.00	-23.76	200	159
2	292.71	-14.66	38.86	24.20	46.00	-21.80	200	174
3	407.74	-11.37	37.15	25.78	46.00	-20.22	200	191
4	479.25	-10.09	38.55	28.46	46.00	-17.54	200	224
5	591.17	-6.90	30.79	23.89	46.00	-22.11	200	202
6	738.85	-3.65	29.26	25.61	46.00	-20.39	200	144

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

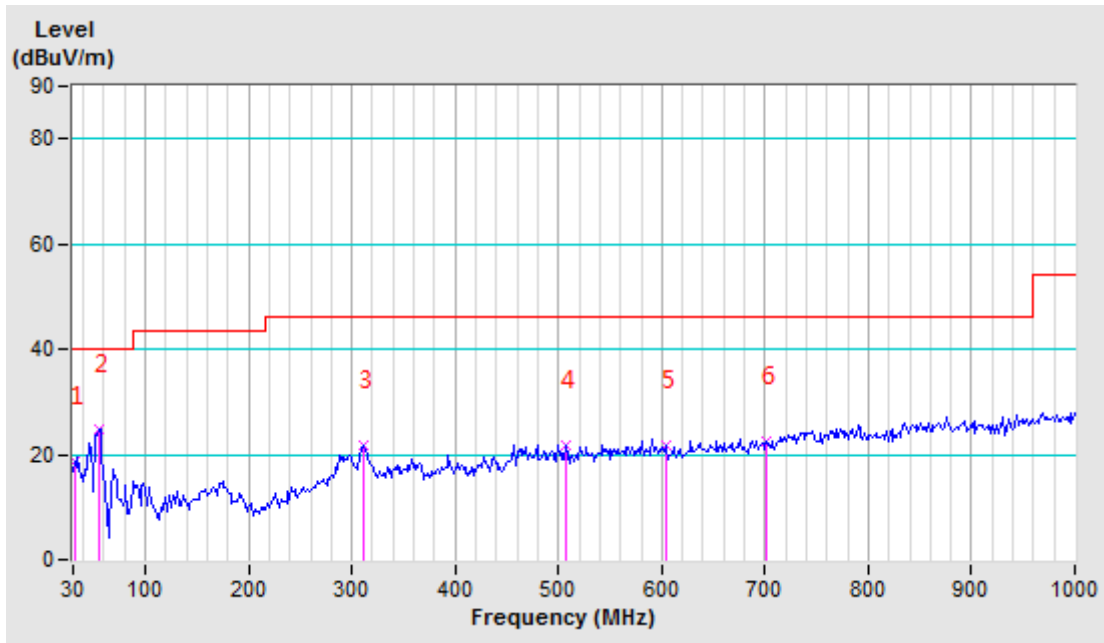




Test Mode	C	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	30deg. C, 58% RH	Tested By	Jelly

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	31.55	-12.72	31.53	18.81	40.00	-21.19	200	68
2	54.87	-22.94	47.76	24.82	40.00	-15.18	200	55
3	311.36	-13.93	35.51	21.58	46.00	-24.42	200	82
4	507.23	-9.28	30.86	21.58	46.00	-24.42	200	94
5	603.61	-6.76	28.61	21.85	46.00	-24.15	200	103
6	701.54	-5.48	28.01	22.53	46.00	-23.47	200	113

- 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.





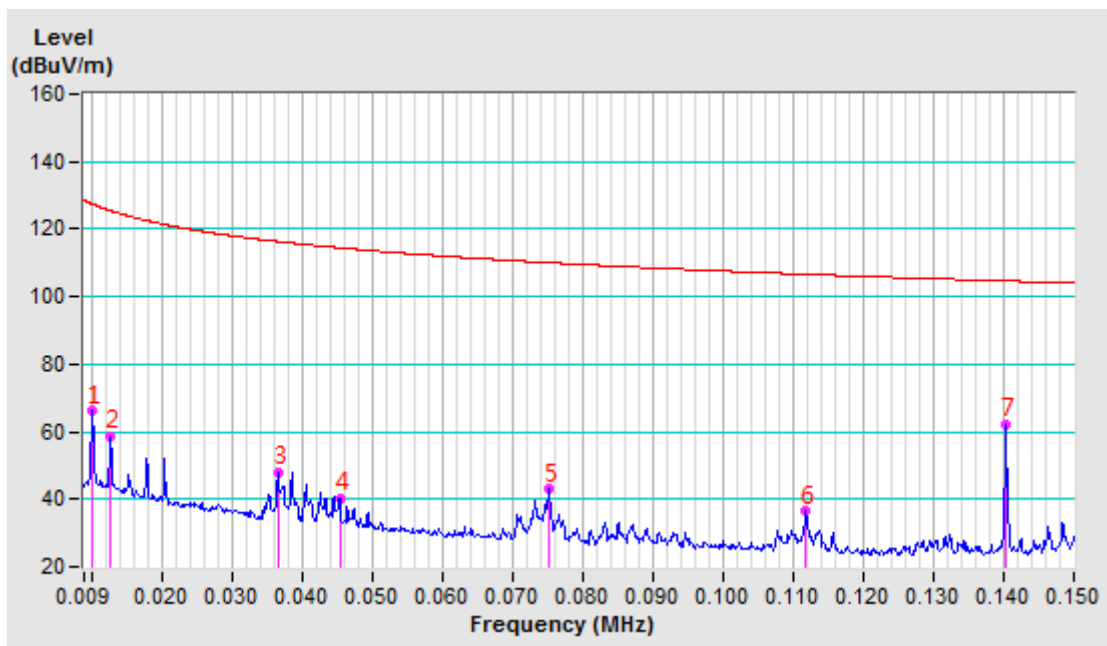
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Test Report No.: RF2101WDG0287

Charging Mode

Test Mode	D	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% 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	0.0102 AV	-10.05	76.33	66.28	127.40	-61.12	100	213
2	0.0128AV	-10.21	68.82	58.61	125.47	-66.86	100	255
3	0.0367AV	-11.36	59.52	48.16	116.32	-68.16	100	163
4	0.0454AV	-11.49	51.90	40.41	114.46	-74.05	100	179
5	0.0752AV	-11.65	54.64	42.99	110.08	-67.09	100	178
6	0.1118AV	-11.80	48.22	36.42	106.63	-70.21	100	173
7	0.1404AV	-11.86	74.13	62.27	104.66	-42.39	100	174



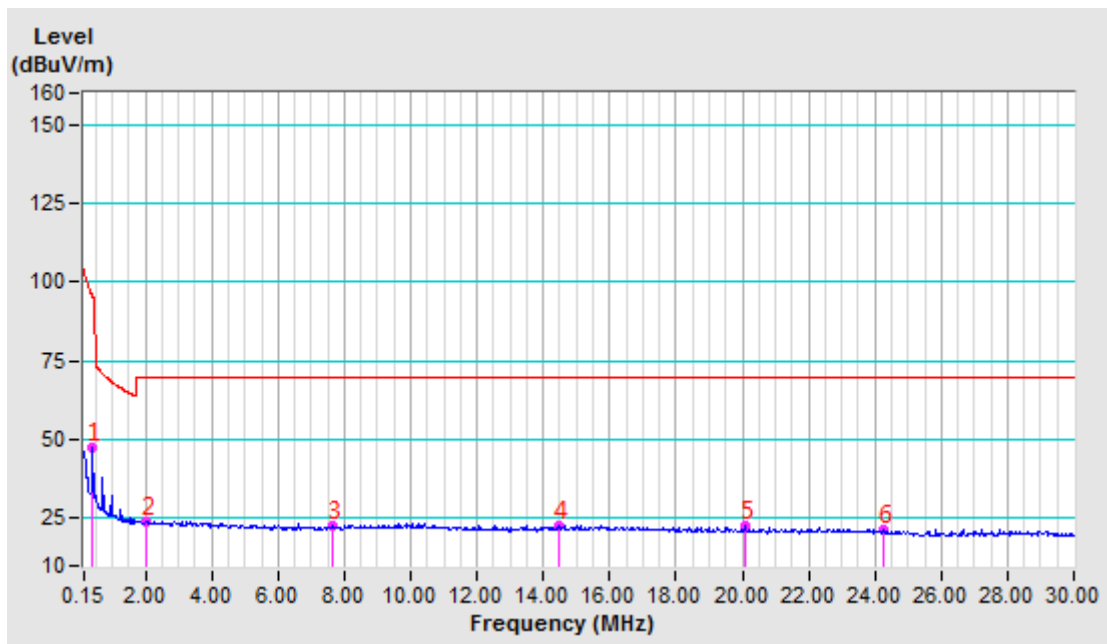


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Test Report No.: RF2101WDG0287

Test Mode	D	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% 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	0.4202 AV	-12.06	59.43	47.37	95.14	-47.77	100	174
2	2.0486 QP	-12.08	36.21	24.13	69.54	-45.41	100	55
3	7.6233 QP	-11.89	34.76	22.87	69.54	-46.67	100	331
4	14.4608 QP	-11.54	34.10	22.56	69.54	-46.98	100	314
5	20.0699 QP	-11.37	34.04	22.67	69.54	-46.87	100	115
6	24.2819 QP	-11.60	33.15	21.55	69.54	-47.99	100	112



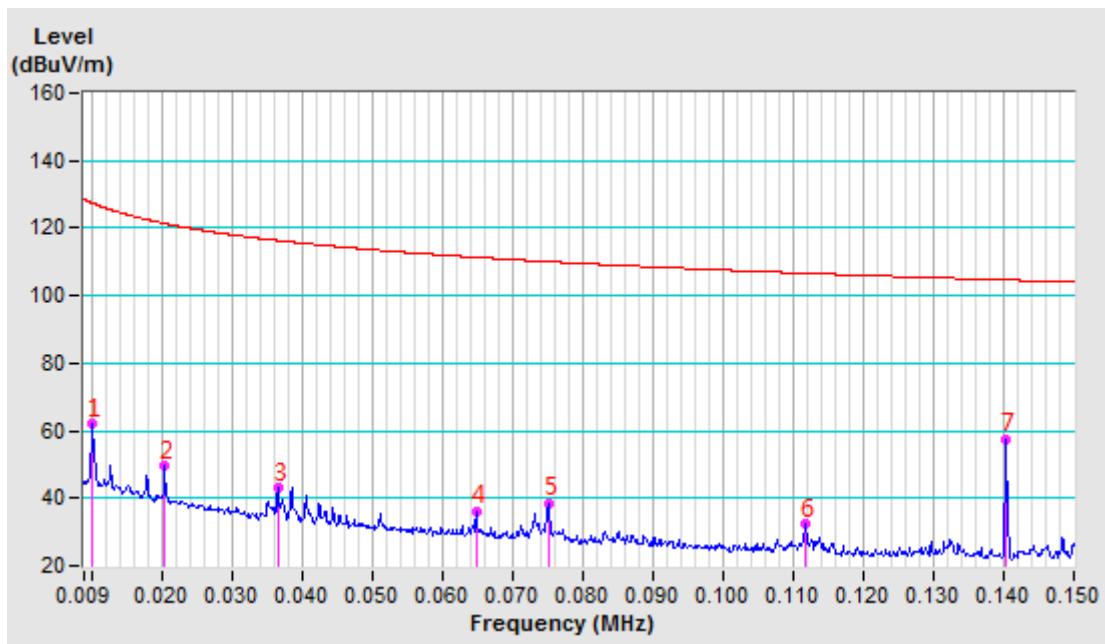


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Test Report No.: RF2101WDG0287

Test Mode	D	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% 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	71.98	61.93	127.40	-65.47	100	272
2	0.0205 AV	-10.67	60.37	49.70	121.38	-71.68	100	317
3	0.0366 AV	-11.36	54.38	43.02	116.34	-73.32	100	97
4	0.0649 AV	-11.60	47.79	36.19	111.36	-75.17	100	129
5	0.0751 AV	-11.65	50.14	38.49	110.08	-71.59	100	111
6	0.1117 AV	-11.80	43.99	32.19	106.64	-74.45	100	108
7	0.1404 AV	-11.86	69.31	57.45	104.66	-47.21	100	259



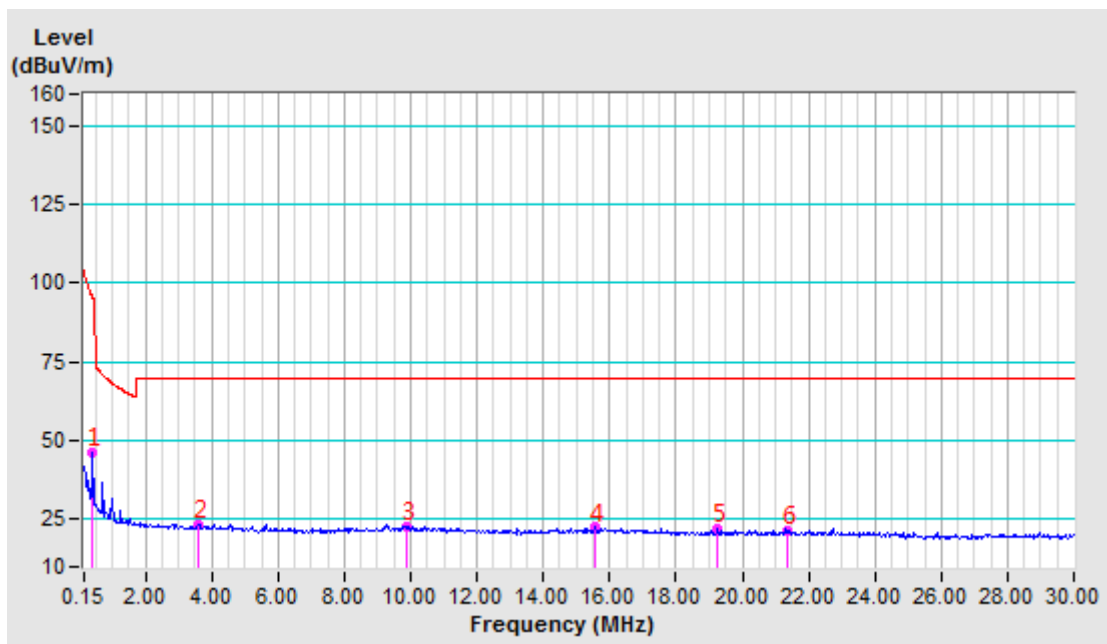


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Test Report No.: RF2101WDG0287

Test Mode	D	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% 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	0.4202 AV	-12.06	58.15	46.09	95.14	-49.05	100	0
2	3.6038 QP	-11.97	35.60	23.63	69.54	-45.91	100	15
3	9.8905 QP	-11.76	34.76	23.00	69.54	-46.54	100	16
4	15.5549 QP	-11.55	34.02	22.47	69.54	-47.07	100	4
5	19.2579 QP	-11.43	33.31	21.88	69.54	-47.66	100	42
6	21.3849 QP	-11.54	33.27	21.73	69.54	-47.81	100	28



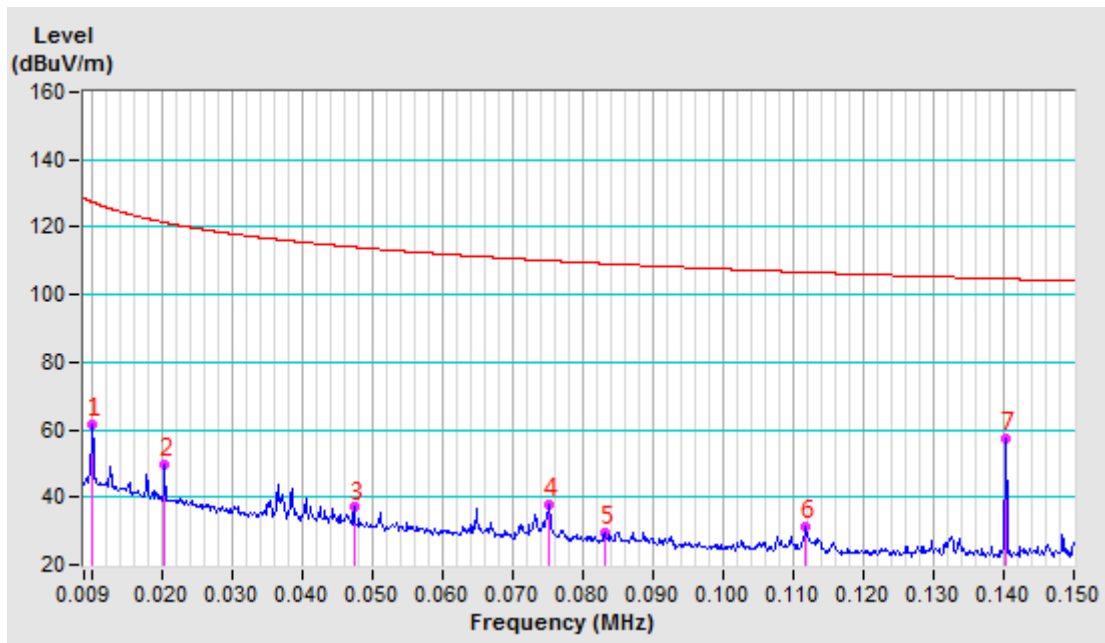


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Test Report No.: RF2101WDG0287

Test Mode	D	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% 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	0.0102 AV	-10.05	71.85	61.80	127.41	-65.61	100	350
2	0.0205 AV	-10.67	60.49	49.82	121.38	-71.56	100	231
3	0.0475 AV	-11.52	48.53	37.01	114.07	-77.06	100	103
4	0.0752 AV	-11.65	49.52	37.87	110.08	-72.21	100	103
5	0.0831 AV	-11.69	41.32	29.63	109.21	-79.58	100	102
6	0.1118 AV	-11.80	43.32	31.52	106.64	-75.12	100	114
7	0.1404 AV	-11.86	69.31	57.45	104.66	-47.21	100	255



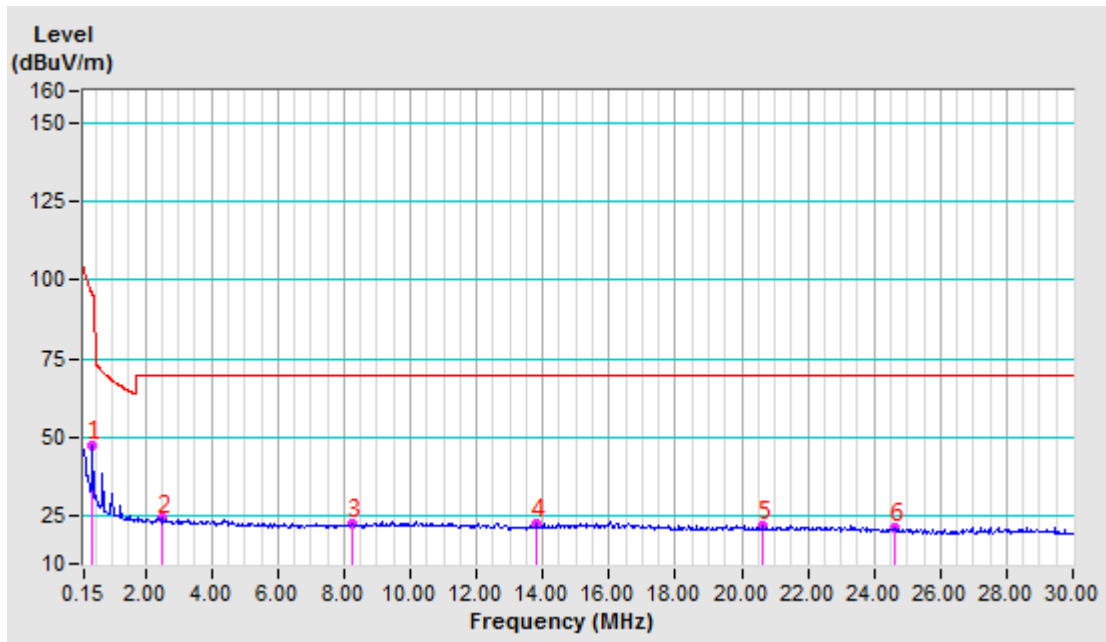


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Test Report No.: RF2101WDG0287

Test Mode	D	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V/60Hz	Detector Function	QP&AV
Environmental Conditions	26deg. C, 54% 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	0.4202 AV	-12.06	59.65	47.59	95.14	-47.55	100	180
2	2.4784 QP	-12.04	36.41	24.37	69.54	-45.17	100	360
3	8.2592 QP	-11.86	34.35	22.49	69.54	-47.05	100	120
4	13.8160 QP	-11.56	34.20	22.64	69.54	-46.90	100	240
5	20.6341 QP	-11.44	33.81	22.37	69.54	-47.17	100	112
6	24.6133 QP	-11.65	32.89	21.24	69.54	-48.30	100	50

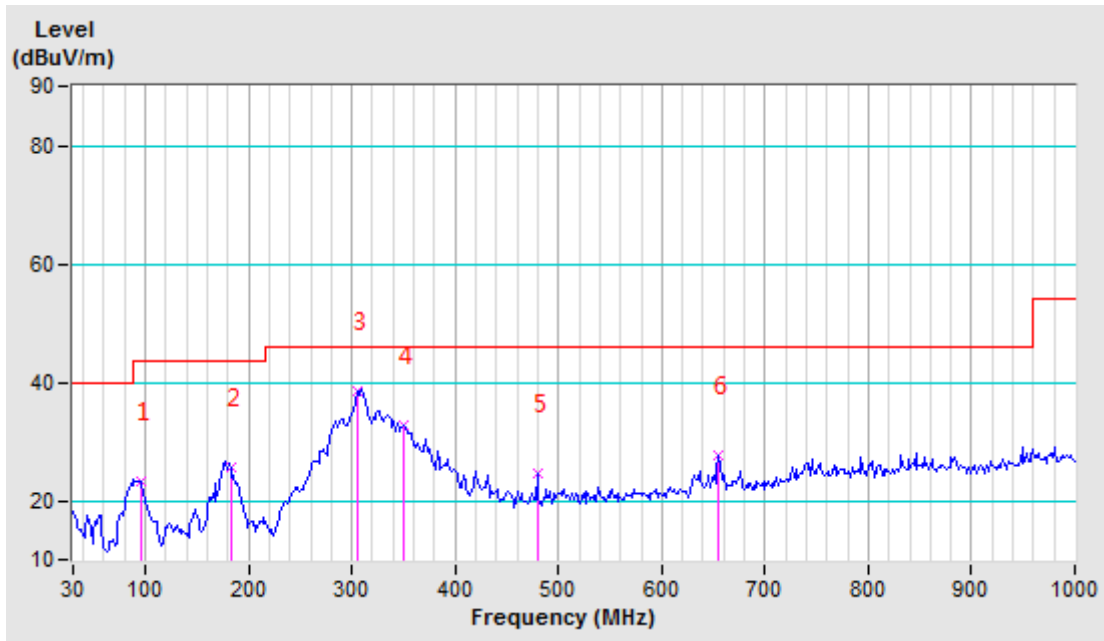




Test Mode	D	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	30deg. C, 58% RH	Tested By	Jelly

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	95.29	-20.59	43.84	23.25	43.50	-20.25	100	190
2	182.34	-19.08	44.79	25.71	43.50	-17.79	100	177
3	305.14	-14.10	52.55	38.45	46.00	-7.55	100	157
4	350.22	-12.80	45.47	32.67	46.00	-13.33	100	209
5	479.25	-10.09	34.78	24.69	46.00	-21.31	100	222
6	654.90	-5.83	33.52	27.69	46.00	-18.31	100	238

- 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.

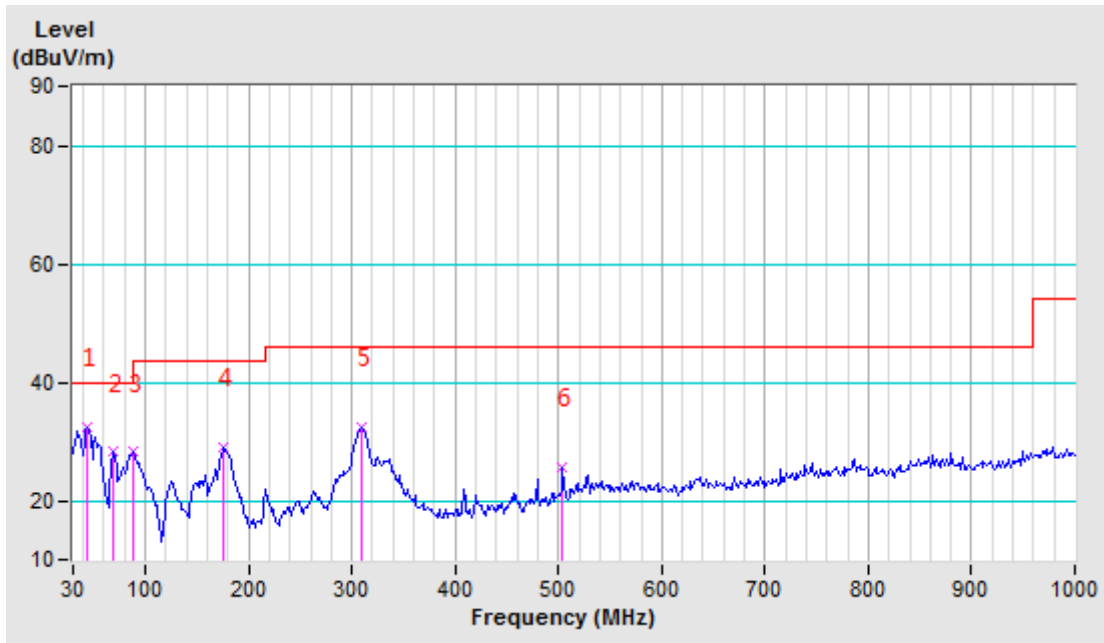




Test Mode	D	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V/60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	30deg. C, 58% RH	Tested By	Jelly

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	43.99	-18.01	50.42	32.41	40.00	-7.59	100	24
2	68.86	-24.75	52.97	28.22	40.00	-11.78	100	34
3	89.07	-20.98	49.18	28.20	43.50	-15.30	100	324
4	176.12	-18.65	47.66	29.01	43.50	-14.49	100	244
5	309.81	-13.97	46.48	32.51	46.00	-13.49	100	147
6	504.12	-9.34	34.97	25.63	46.00	-20.37	100	241

- 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

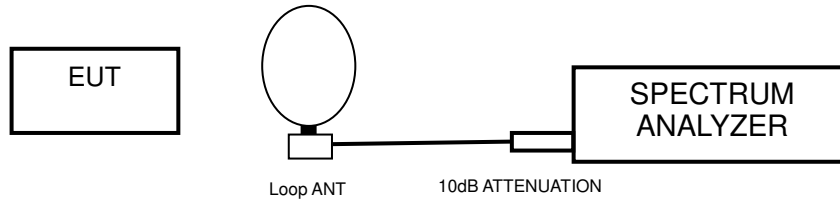
- a. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- b. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the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

4.3.4 DEVIATION FROM TEST STANDARD

No deviation.



4.3.5 TEST SETUP



4.3.6 EUT OPERATING CONDITION

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



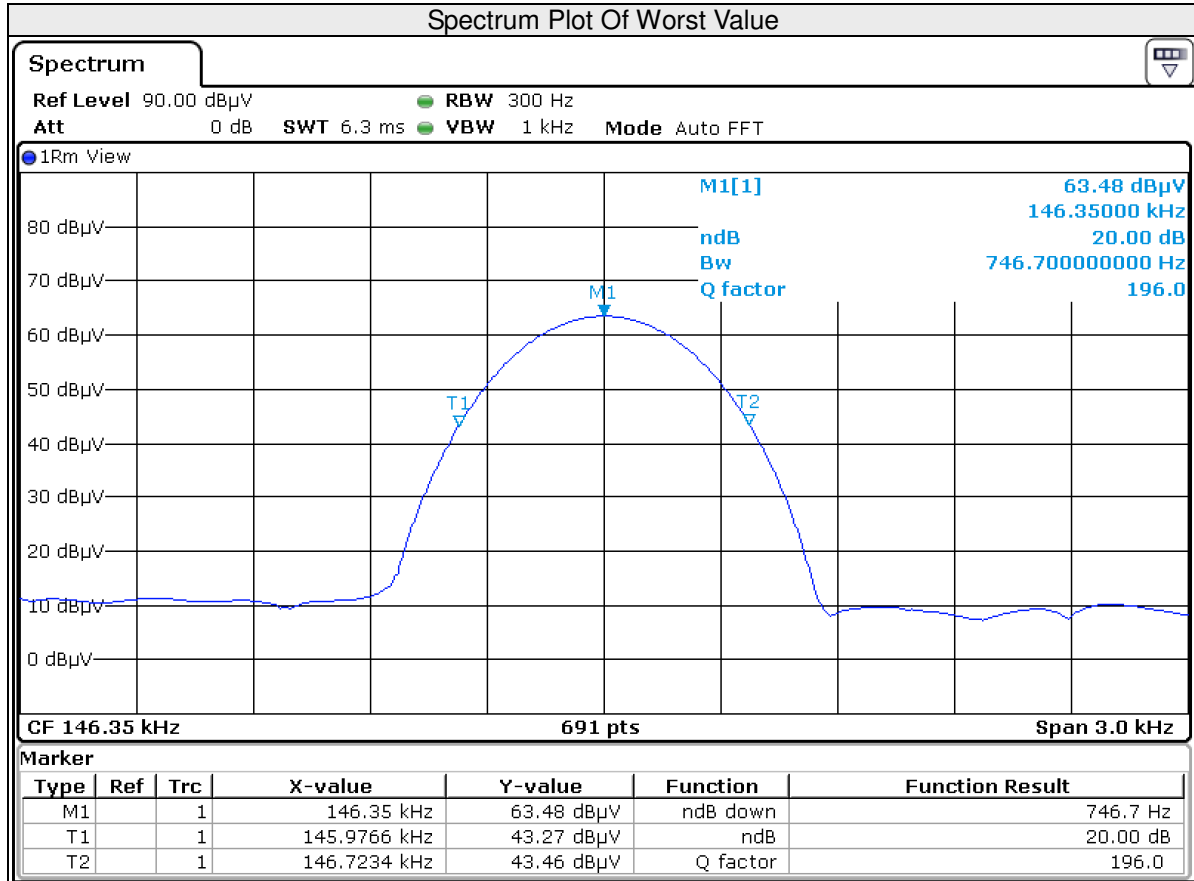
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Test Report No.: RF2101WDG0287

4.3.7 TEST RESULTS

Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
A	146.35	746.7

Test Plot:



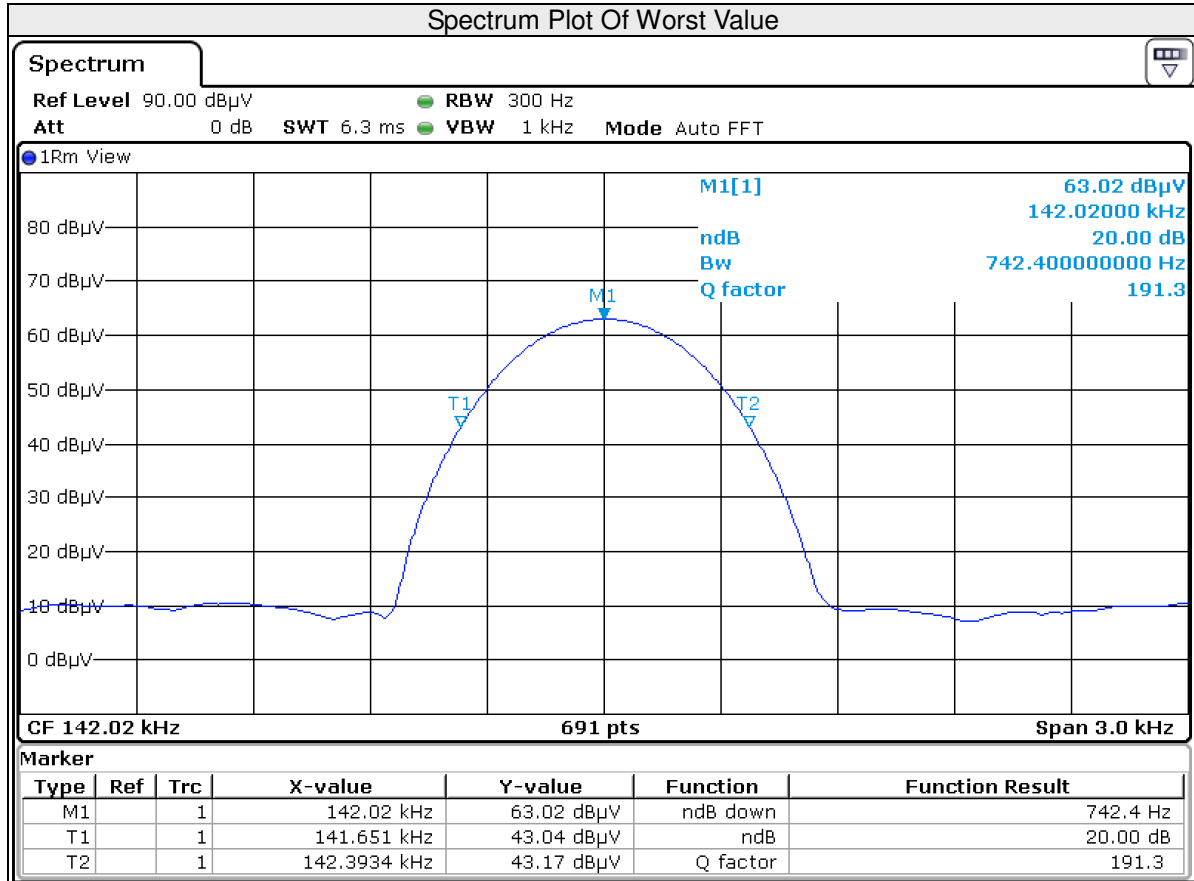


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VERITAS**

Test Report No.: RF2101WDG0287

Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
B	142.02	742.4

Test Plot:

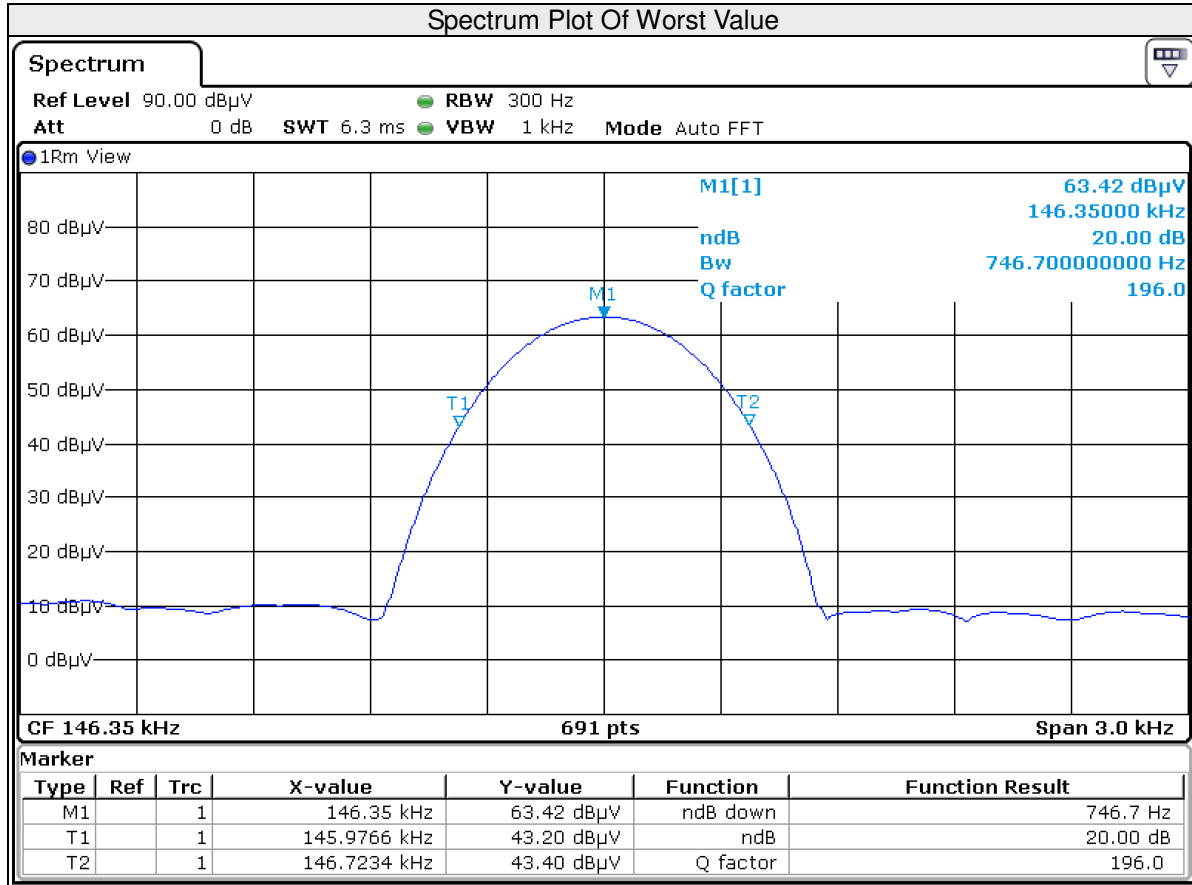




Test Report No.: RF2101WDG0287

Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
C	146.35	746.7

Test Plot:

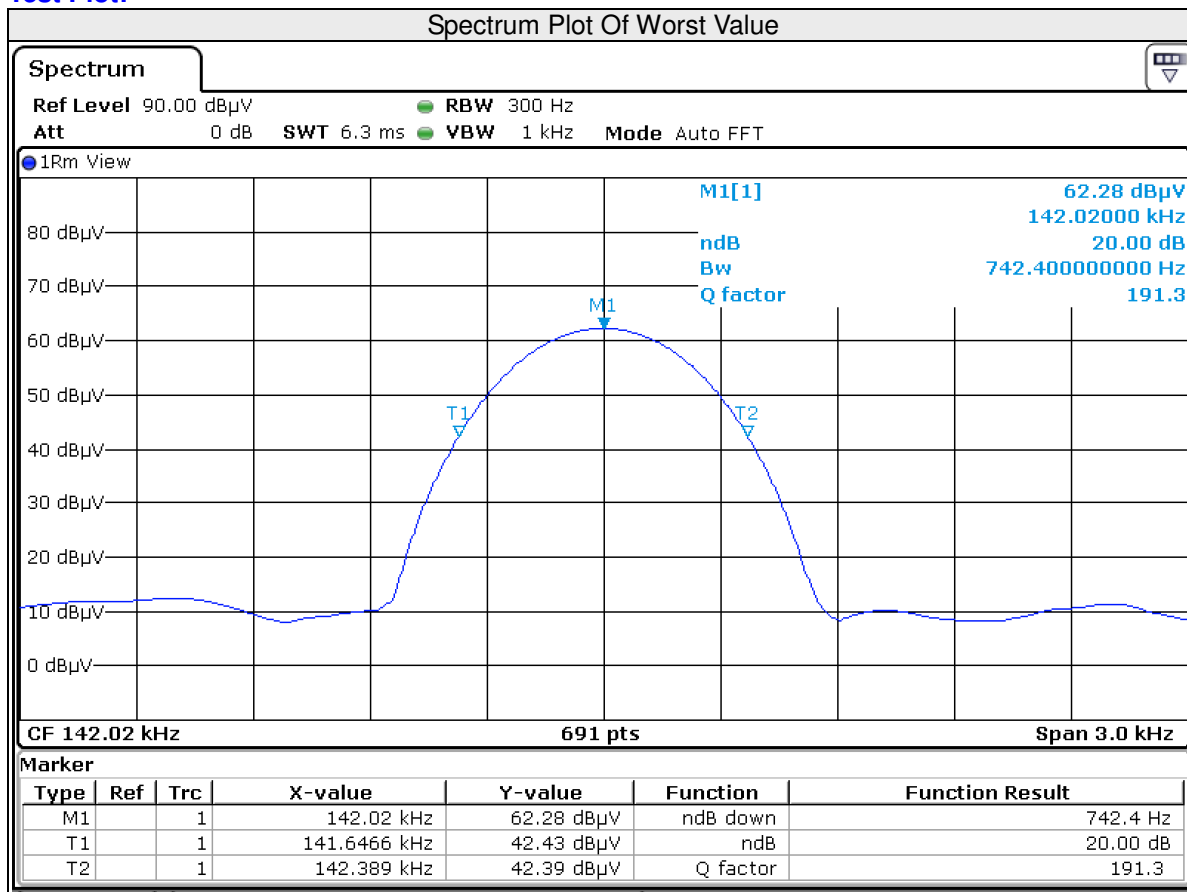




Test Report No.: RF2101WDG0287

Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
D	142.02	742.4

Test Plot:





**BUREAU
VERITAS**

Test Report No.: RF2101WDG0287

5 PHOTOGRAPHS OF THE TEST CONFIGURATION

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



**BUREAU
VERITAS**

Test Report No.: RF2101WDG0287

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---