

TEST REPORT

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

Manufacturer or Supplier	Belkin International, Inc.
Address	555 S. Aviation Blvd., Suite 180, El Segundo, CA 90245, USA
Product	BoostCharge Dual Magnetic Charging Pad
Brand Name	belkin
Model	WIZ033
Additional Model & Model Difference	N/A
Date of tests	Oct. 30, 2024 ~ Nov. 22, 2024

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

☒ **FCC Part 15, Subpart C**

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

Prepared by Eric Fang Project Engineer / EMC Department	Approved by Glyn He Assistant Manager/ EMC Department
	
	Date: Nov. 26, 2024

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Test Report No.: RF2410WDG0213

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF2410WDG0213	Original release	Nov. 26, 2024

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

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

2 MEASUREMENT UNCERTAINTY

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

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	0.15MHz ~ 30MHz	3.36 dB
Radiated emissions	9KHz ~ 30MHz	2.80dB
	30MHz ~ 1GMHz	4.65 dB

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



3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	BoostCharge Dual Magnetic Charging Pad
MODEL NO.	WIZ033
ADDITIONAL MODE	N/A
SAMPLE STATUS	Engineering sample
FCC ID	K7SWIZ033
POWER SUPPLY	DC 15V From Adapter
MODULATION TYPE	FSK
OPERATING FREQUENCY RANGE	Charging Pad(1&2):115-205K & 360kHz
I/O PORTS	Coil Antenna*2
FIELD STRENGTH	77.33dBuV/m
MAXIMUM POWER OUTPUT FROM EACH CHARGING COIL (2)	15W
CABLE SUPPLIED	See note 4

NOTES:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
- Please refer to the EUT photo document (Reference No.: 2410WDG0213-3) for detailed product photo.
- Product cable information as follows :

ID	Descriptions	Qty.	Length (m)	Shielding (Y/N)	Cores (Qty.)	Manufacturer	Remark
1	USB-C to USB-C cable	1	1.5	Y	0	DONGGUAN HANK ELECTRONICS., LTD	HKU1006PBB; HKU1006PWW

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

- Adapter information as follows :

AC ADAPTER	
MODEL NO.:	A1C045A
BRAND NAME:	Belkin
INPUT:	100-240V~ 50-60Hz 1.5A
OUTPUT:	5.0V~3.0A 15.0W, 9.0V~3.0A 27.0W, 15.0V~3.0A 45.0W, 20.0V~2.25A 45.0W
Manufacturer	CWT

3.2 DESCRIPTION OF TEST MODES

The following test frequencies are provided to this EUT:

Configure	Mode		Operating Frequency Range(KHz)	
	Charging Pad1	Charging Pad2	Charging Pad1	Charging Pad2
A	Standby	Standby	127.7	127.7
B	iPhone 16 Pro	Standby	360	127.7
C	AirPods Pro Case	Standby	127.7	127.7
D	iPhone 16 Pro	iPhone 16 Pro	360	360
E	iPhone 16 Pro	AirPods Pro Case	360	127.7
F	AirPods Pro Case	iPhone 11 Pro	127.7	127.7

3.3 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO			DESCRIPTION	
	RE<1G	PLC	20BW	Charging Pad1	Charging Pad2
A	√	-	√	Standby+Standby	
B	√	-	√	iPhone16 Pro+Standby	
C	√	-	√	AirPods Pro Case+Standby	
D	√	√	√	iPhone 16 Pro+iPhone 16 Pro	
E	√	-	√	iPhone 16 Pro+ AirPods Pro Case	
F	√	-	√	AirPods Pro Case + iPhone 11 Pro	

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

PLC: Power Line Conducted Emission

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 worst final test as listed below.

EUT configure mode	Operating Frequency Range(kHz)		Test Frequency(kHz)		Modulation Type
	Charging Pad1	Charging Pad2	Charging Pad1	Charging Pad2	
D	127.7&360	127.7&360	360	360	FSK

Radiated Emission Test (Below 1GHz):

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

EUT configure mode	Operating Frequency Range(kHz)		Test Frequency(kHz)		Modulation Type
	Charging Pad1	Charging Pad2	Charging Pad1	Charging Pad2	
A	127.7&360	127.7&360	127.7	127.7	FSK
B	127.7&360	127.7&360	360	127.7	FSK
C	127.7&360	127.7&360	127.7	127.7	FSK
D	127.7&360	127.7&360	360	360	FSK
E	127.7&360	127.7&360	360	127.7	FSK
F	127.7&360	127.7&360	127.7	127.7	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)		Test Frequency(kHz)		Modulation Type
	Charging Pad1	Charging Pad2	Charging Pad1	Charging Pad2	
A	127.7&360	127.7&360	127.7	127.7	FSK
B	127.7&360	127.7&360	360	127.7	FSK
C	127.7&360	127.7&360	127.7	127.7	FSK
D	127.7&360	127.7&360	360	360	FSK
E	127.7&360	127.7&360	360	127.7	FSK
F	127.7&360	127.7&360	127.7	127.7	FSK

TEST CONDITION:

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

3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as a dependent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

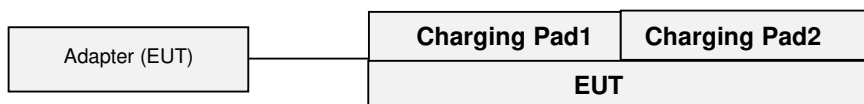
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	iPhone 16 Pro (1#)	Apple	A3083 (MYM93LL/A)	HY9H79YM6Y	BCG-E8666A	BV Lab.
B	iPhone 16 Pro (2#)	Apple	A3083 (MYM93LL/A)	C57JWWWYG0	BCG-E8666A	
C	AirPods Pro Charging Case	Apple	A2190	GXDGFE8W1059	N/A	
D	iPhone 11 Pro	Apple	MWDD2CH/A	F17ZMCAMN6YL	N/A	

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

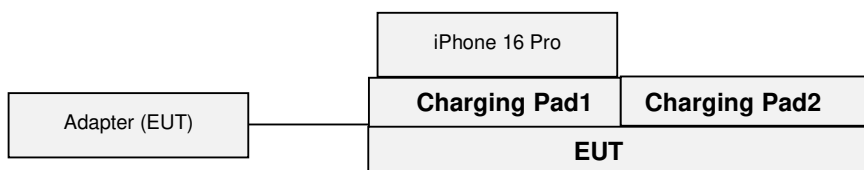
NOTE: All power cords of the above support units are non-shielded (1.8m).

3.5 CONFIGURATION OF SYSTEM UNDER TEST

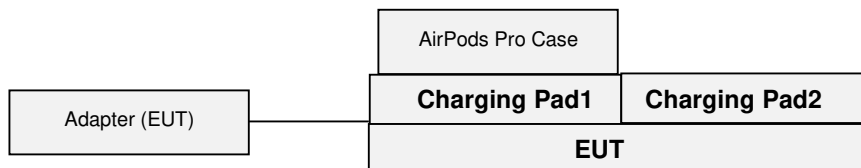
Mode A: Standby+Standby



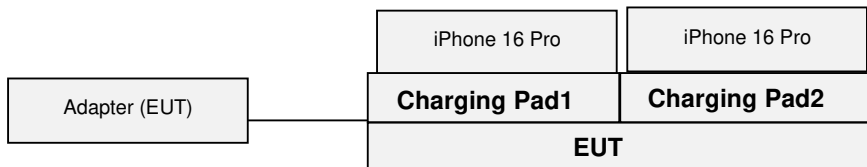
Mode B: iPhone 16 Pro+ Standby



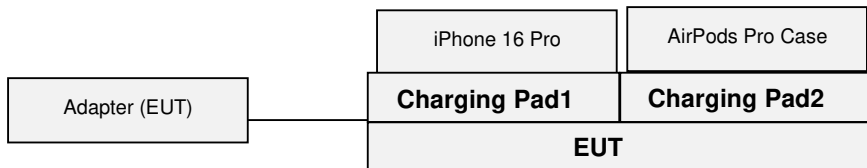
Mode C: AirPods Pro Case+Standby



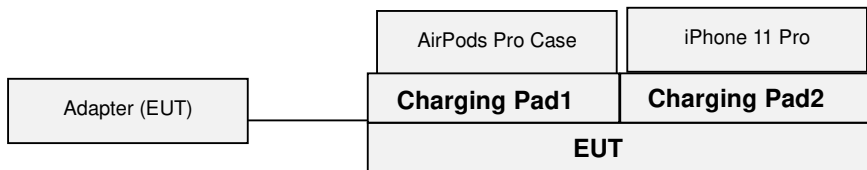
Mode D: iPhone 16 Pro+iPhone 16 Pro



Mode E: iPhone 16 Pro+AirPods Pro Case



Mode F: AirPods Pro Case+iPhone 11 Pro





Test Report No.: RF2410WDG0213

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	Oct. 10, 25
Artificial Mains Network	Rohde&Schwarz	ENV216	101173	Oct. 10, 25
Artificial Mains Network	Rohde&Schwarz	ESH3-Z5	100317	Oct. 09, 25
Voltage probe	SCHWARZBECK	TK 9421	TK 9421-176	Jul. 10, 25
Test software	ADT	ADT_Conc_V7.3.7	N/A	N/A

- NOTE:** 1. Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle.
2. The test was performed in shielding room 553.

4.1.3 TEST PROCEDURE

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

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

NOTE:

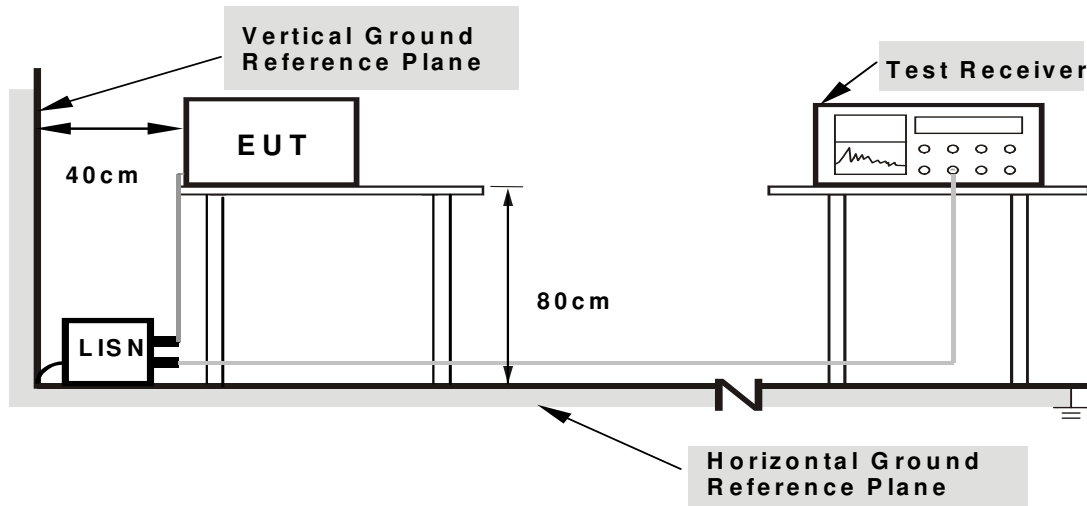
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission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

4.1.4 DEVIATION FROM TEST STANDARD

No deviation.



4.1.5 TEST SETUP



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

4.1.6 EUT OPERATING CONDITIONS

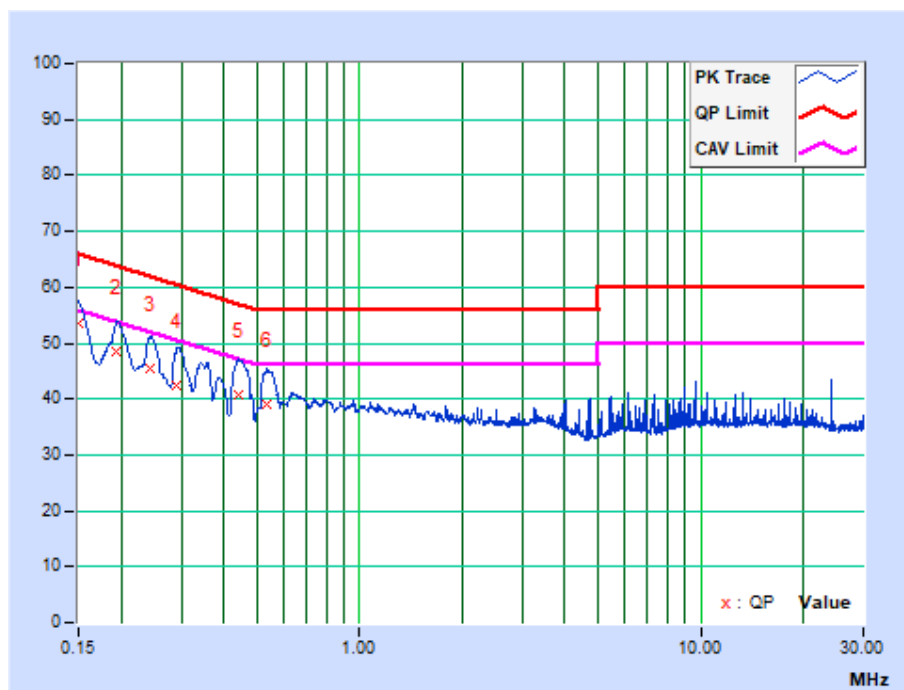
- Turned on the power of all equipment.
- EUT was operated according to the type description in manufacturer's specifications or the User's Manual.

4.1.7 TEST RESULTS

TEST MODE	Mode E	6DB BANDWIDTH	9 kHz
TEST VOLTAGE	AC 120V 60Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	25deg. C, 56% RH	TESTED BY	Summer

No.	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.74	43.91	25.98	53.65	35.72	66.00	56.00	-12.35	-20.28
2	0.19462	9.80	38.76	19.41	48.56	29.21	63.84	53.84	-15.27	-24.62
3	0.24295	9.80	35.54	15.95	45.34	25.75	61.99	51.99	-16.65	-26.24
4	0.29150	9.81	32.63	13.36	42.44	23.17	60.48	50.48	-18.04	-27.31
5	0.44007	9.83	30.98	14.15	40.81	23.98	57.06	47.06	-16.25	-23.08
6	0.53644	9.83	29.27	13.02	39.10	22.85	56.00	46.00	-16.90	-23.15

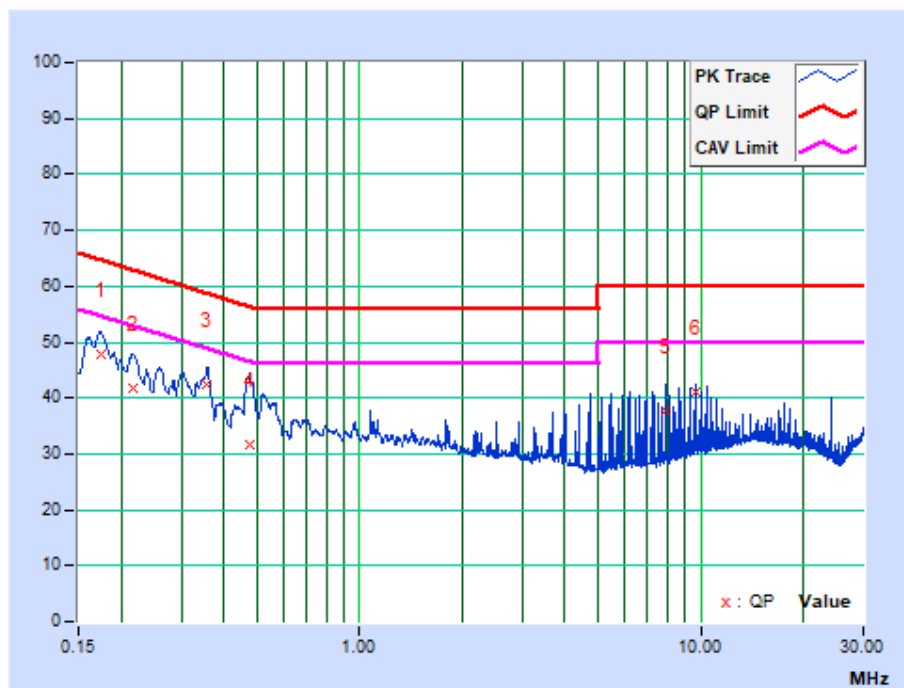
REMARKS: The emission levels of other frequencies were very low against the limit.



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

No.	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17374	9.76	38.20	22.52	47.96	32.28	64.78	54.78	-16.82	-22.50
2	0.21573	9.73	32.08	10.79	41.81	20.52	62.98	52.98	-21.17	-32.46
3	0.35722	9.69	32.84	26.27	42.53	35.96	58.79	48.79	-16.26	-12.83
4	0.47625	9.69	21.99	9.99	31.68	19.68	56.40	46.40	-24.72	-26.72
5	7.91025	10.18	27.58	20.90	37.76	31.08	60.00	50.00	-22.24	-18.92
6	9.70800	10.32	30.79	24.79	41.11	35.11	60.00	50.00	-18.89	-14.89

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



4.2 ADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

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

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

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

NOTES:

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

**4.2.2 TEST INSTRUMENTS****FREQUENCY 9KHz-30MHz**

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101564	Jan. 02, 25
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	1519B-045	Apr. 13, 25
Amplifier	Burgeon	BPA-530	100210	Feb. 21 25
Coaxial RF Cable	Yaohong	Cable below 30MHz	C2310019DG	Jun. 27, 25
Test Software	ADT	ADT_Radiated_V8.7.07	N/A	N/A

- NOTES:** 1. The test was performed in 10m Chamber.
 2. Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle.
 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	Oct. 10, 25
Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	9168-554	Dec. 25, 25
Pre-Amplifier	Burgeon	BPA-530	100220	Feb. 21, 25
3m Semi-anechoic Chamber	Burgeon	9m*6m*6m	NSEMC003	May. 20, 25
Coaxial RF Cable(3m Below 1G)	Yaohong	966 below 1GHz	C2310017DG	Jun. 23, 25
Coaxial RF Cable(3m Below 1G)	Yaohong	966 below 1GHz	C2310087DG	Jun. 23, 25
Test software	ADT	ADT_Radiated_V7.6.15.9.2	N/A	N/A

- NOTES:** 1. The test was performed in 966 Chamber
 2. Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle.
 3. The FCC Site Registration No. is 749762.

4.2.3 TEST PROCEDURE

< Below 30MHz >

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meters Semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1.3 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

<30MHz~1GHz >

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

NOTES:

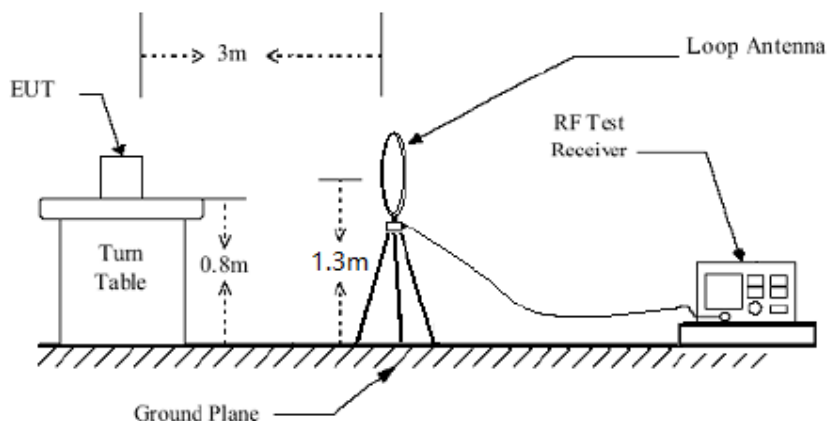
1. The resolution bandwidth of test receiver/spectrum analyzer is 200Hz for Quasi-peak detection (QP/AV) at fundamental frequency 9K-150KHz;
2. The resolution bandwidth of test receiver/spectrum analyzer is 9KHz for Quasi-peak detection (QP/AV) at fundamental frequency 150K-30MHz;
3. The resolution bandwidth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

4.2.4 DEVIATION FROM TEST STANDARD

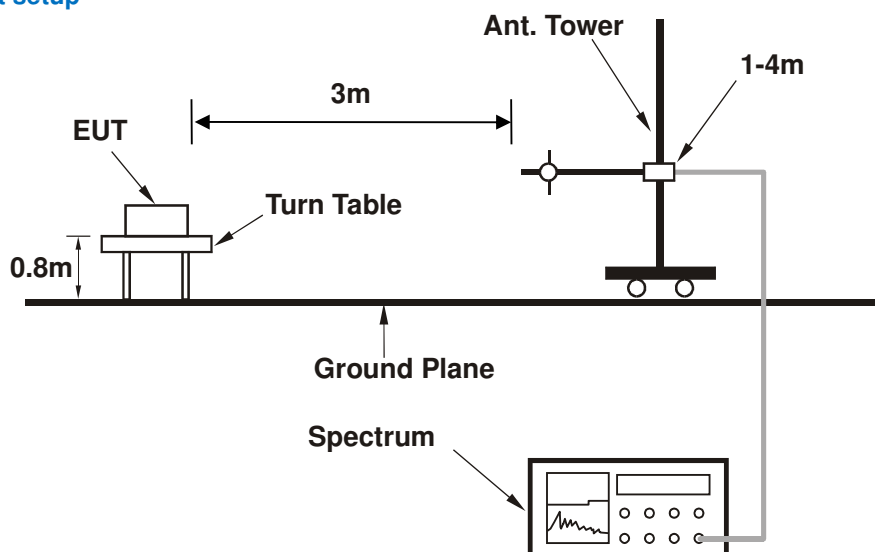
No deviation.

4.2.5 TEST SETUP

Below 30MHz test setup



Below 1GHz test setup



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

4.2.6 EUT OPERATING CONDITIONS

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

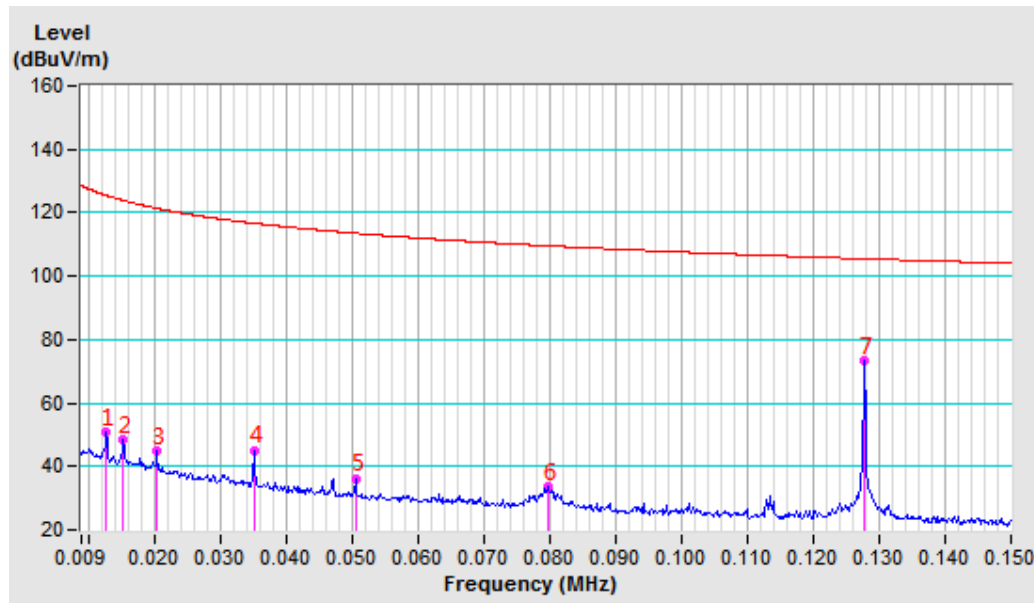


4.2.7 TEST RESULTS

Standby Mode

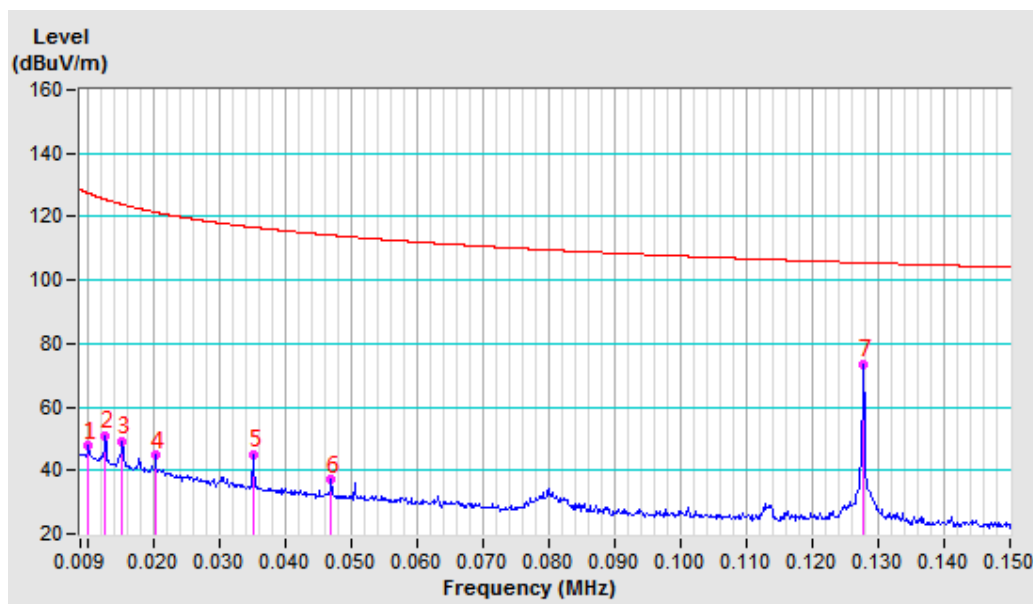
Test Mode	A	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.0128	-10.38	60.94	50.56	125.46	-74.90	100	205
2	0.0154	-10.55	58.91	48.36	123.85	-75.49	100	323
3	0.0205	-10.88	55.81	44.93	121.37	-76.44	100	205
4	0.0353	-11.55	56.59	45.04	116.65	-71.61	100	99
5	0.0506	-11.63	47.83	36.20	113.52	-77.32	100	106
6	0.0798	-11.55	45.19	33.64	109.56	-75.92	100	236
7	0.1278	-11.41	84.77	73.36	105.47	-32.11	100	320



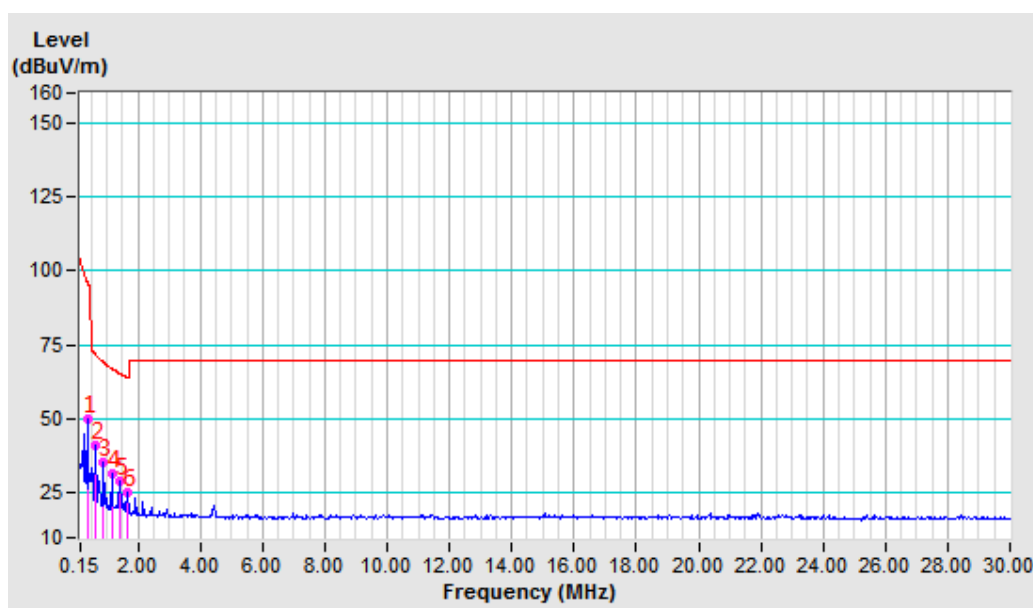
Test Mode	A	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.0102	-10.21	58.01	47.80	127.43	-79.63	100	120
2	0.0128	-10.38	61.28	50.90	125.46	-74.56	100	233
3	0.0153	-10.54	59.69	49.15	123.91	-74.76	100	43
4	0.0204	-10.88	55.54	44.66	121.41	-76.75	100	322
5	0.0353	-11.55	56.55	45.00	116.65	-71.65	100	355
6	0.0471	-11.62	48.58	36.96	114.14	-77.18	100	216
7	0.1278	-11.41	85.03	73.62	105.47	-31.85	100	21



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

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.3828	-11.43	61.75	50.32	95.94	-45.62	100	224
2	0.6381	-11.49	52.64	41.15	71.72	-30.57	100	253
3	0.8933	-11.46	46.95	35.49	69.07	-33.58	100	325
4	1.1500	-11.46	43.06	31.60	67.07	-35.47	100	239
5	1.4053	-11.46	40.55	29.09	65.49	-36.40	100	339
6	1.6605	-11.48	36.66	25.18	64.18	-39.00	100	102



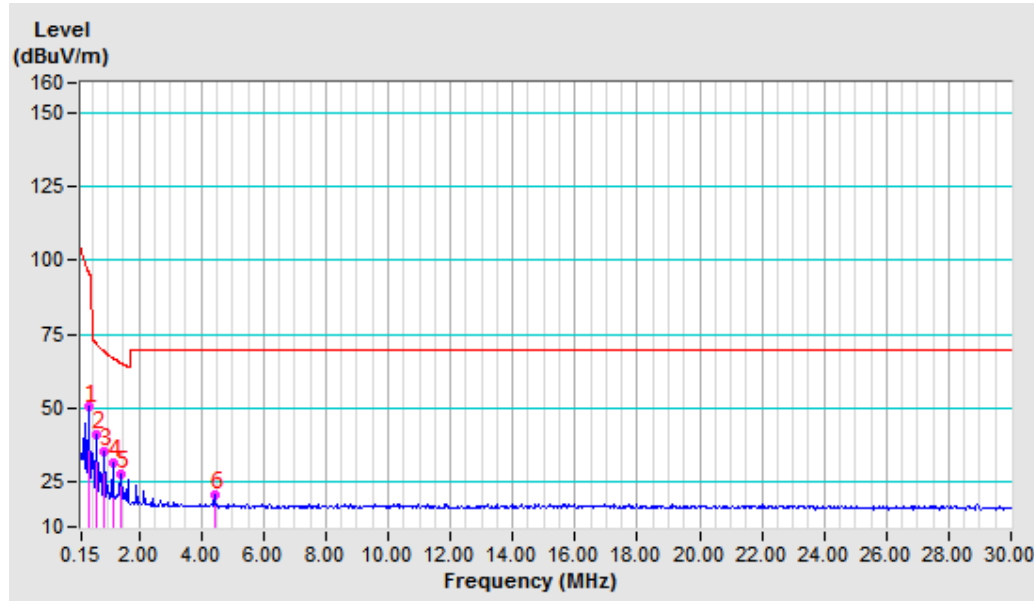


**BUREAU
VERITAS**

Test Report No.: RF2410WDG0213

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

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.3828	-11.43	61.85	50.42	95.94	-45.52	100	23
2	0.6381	-11.49	52.80	41.31	71.72	-30.41	100	123
3	0.8948	-11.46	47.07	35.61	69.05	-33.44	100	325
4	1.1500	-11.46	42.96	31.50	67.07	-35.57	100	236
5	1.4053	-11.46	39.40	27.94	65.49	-37.55	100	237
6	4.4247	-11.23	31.85	20.62	69.54	-48.92	100	329





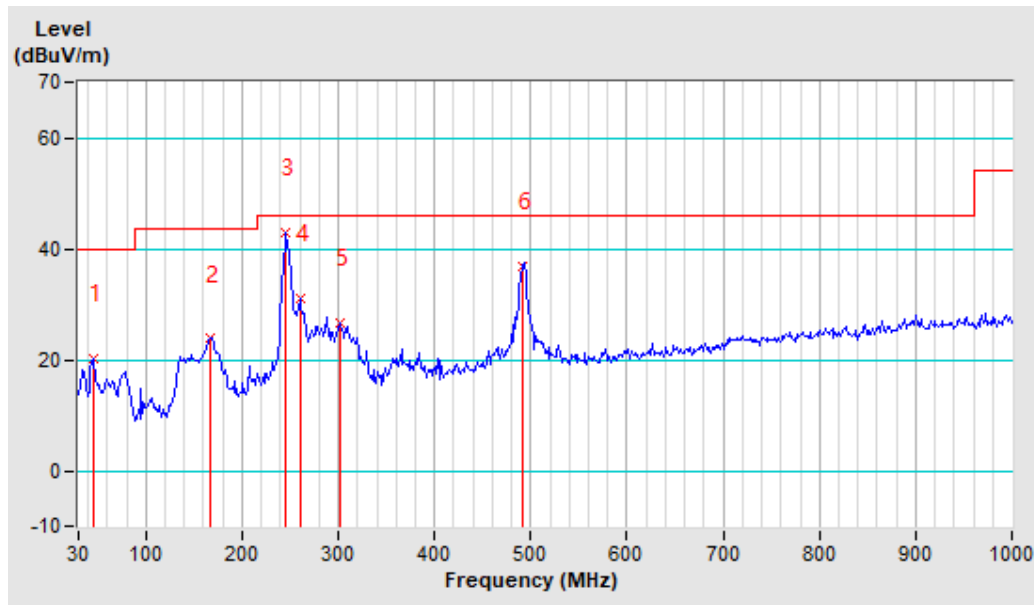
**BUREAU
VERITAS**

Test Report No.: RF2410WDG0213

Test Mode	A	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	27deg. C, 58% RH	Tested By	Jelly

Antenna Polarity & Test Distance: Horizontal At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	45.54	-17.95	38.18	20.23	40.00	-19.77	100	278
2	166.79	-17.20	40.97	23.77	43.50	-19.73	100	263
3	246.07	-17.50	60.31	42.81	46.00	-3.19	100	275
4	260.06	-16.93	48.03	31.10	46.00	-14.90	100	236
5	302.04	-15.33	41.86	26.53	46.00	-19.47	100	148
6	491.68	-10.26	47.14	36.88	46.00	-9.12	100	124

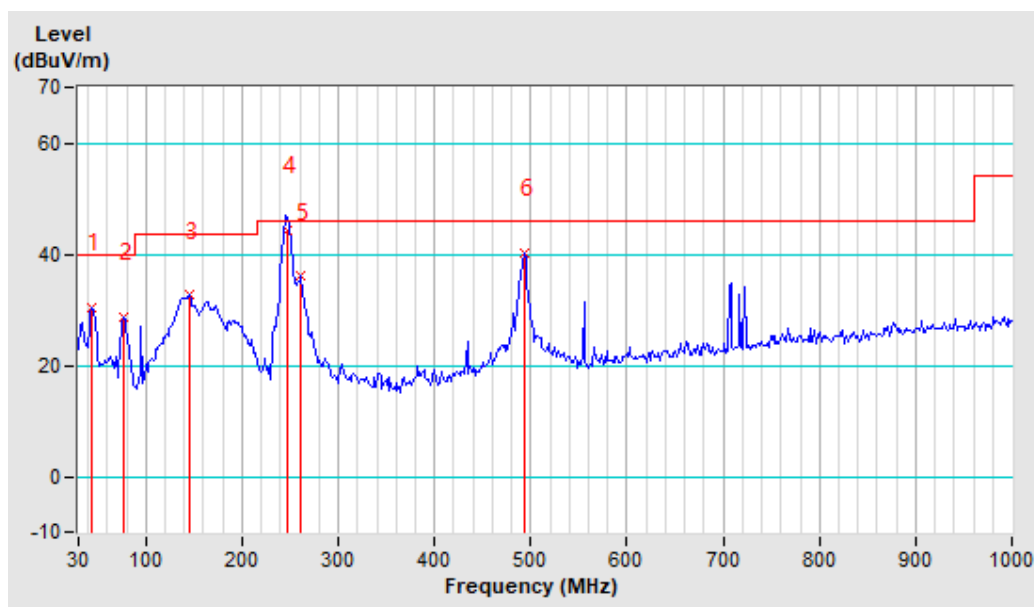
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions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



Test Mode	A	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	27deg. C, 58% RH	Tested By	Jelly

Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	43.99	-18.10	48.53	30.43	40.00	-9.57	100	272
2	76.63	-21.40	50.10	28.70	40.00	-11.30	100	334
3	145.03	-16.96	49.56	32.60	43.50	-10.90	100	319
4	246.92	-17.46	61.86	44.40	46.00	-1.60	156	156
5	261.62	-16.87	52.81	35.94	46.00	-10.06	100	302
6	493.24	-10.24	50.38	40.14	46.00	-5.86	100	358

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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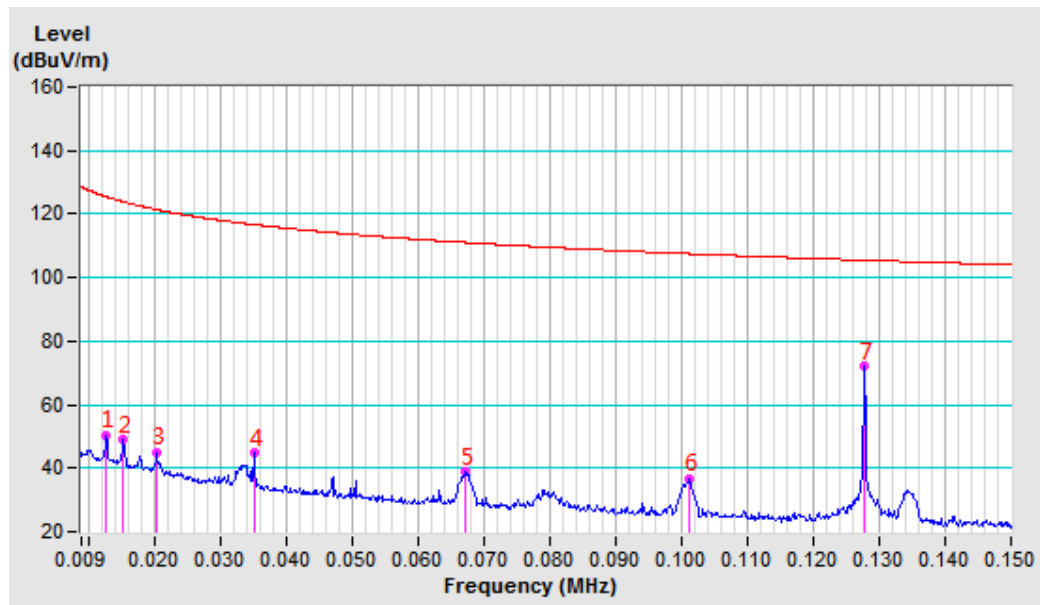
Test Report No.: RF2410WDG0213

Charging Mode

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

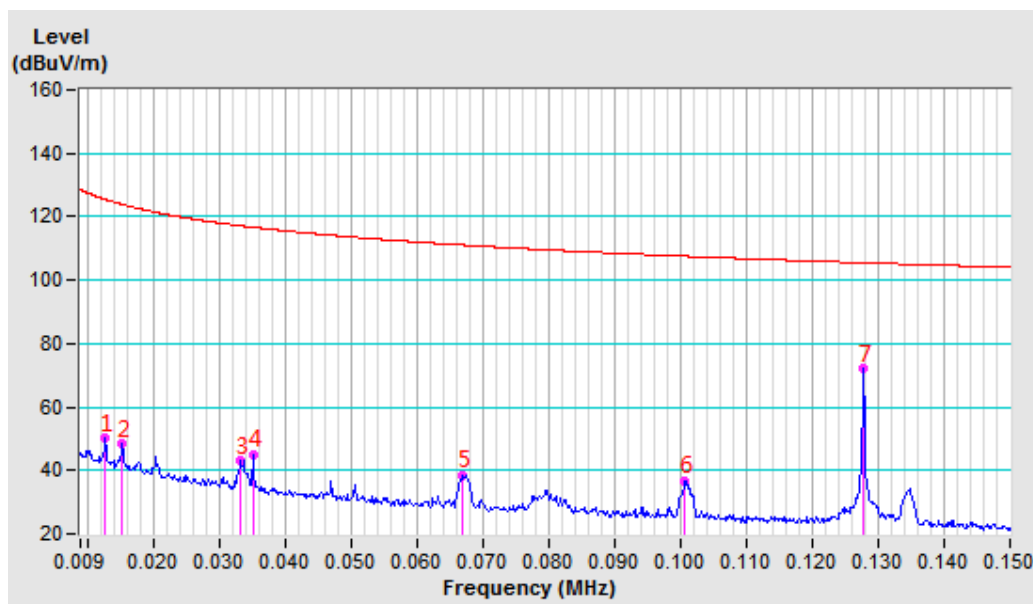
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m

No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.0128	-10.38	60.78	50.40	125.46	-75.06	100	102
2	0.0154	-10.55	59.35	48.80	123.85	-75.05	100	223
3	0.0204	-10.88	55.85	44.97	121.41	-76.44	100	326
4	0.0353	-11.55	56.42	44.87	116.65	-71.78	100	236
5	0.0673	-11.59	50.28	38.69	111.04	-72.35	100	55
6	0.1012	-11.49	48.17	36.68	107.50	-70.82	100	297
7	0.1278	-11.41	83.36	71.95	105.47	-33.52	100	10



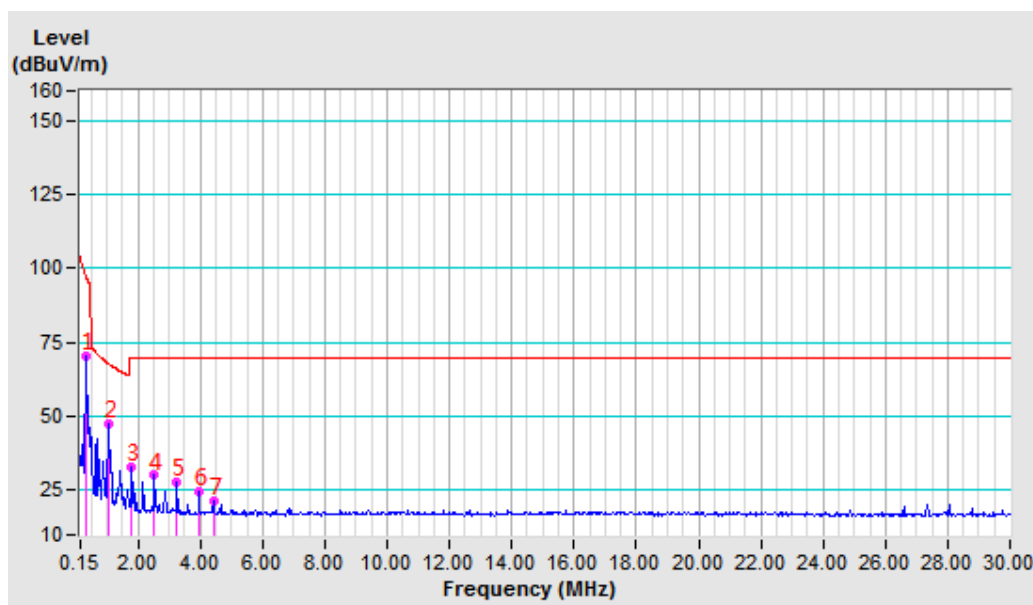
Test Mode	B	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.0128	-10.38	60.67	50.29	125.46	-75.17	100	123
2	0.0154	-10.55	59.01	48.46	123.85	-75.39	100	350
3	0.0333	-11.54	54.57	43.03	117.15	-74.12	100	236
4	0.0352	-11.55	56.57	45.02	116.67	-71.65	100	223
5	0.0668	-11.59	50.23	38.64	111.11	-72.47	100	360
6	0.1007	-11.49	48.37	36.88	107.54	-70.66	100	356
7	0.1278	-11.41	83.38	71.97	105.47	-33.50	100	23



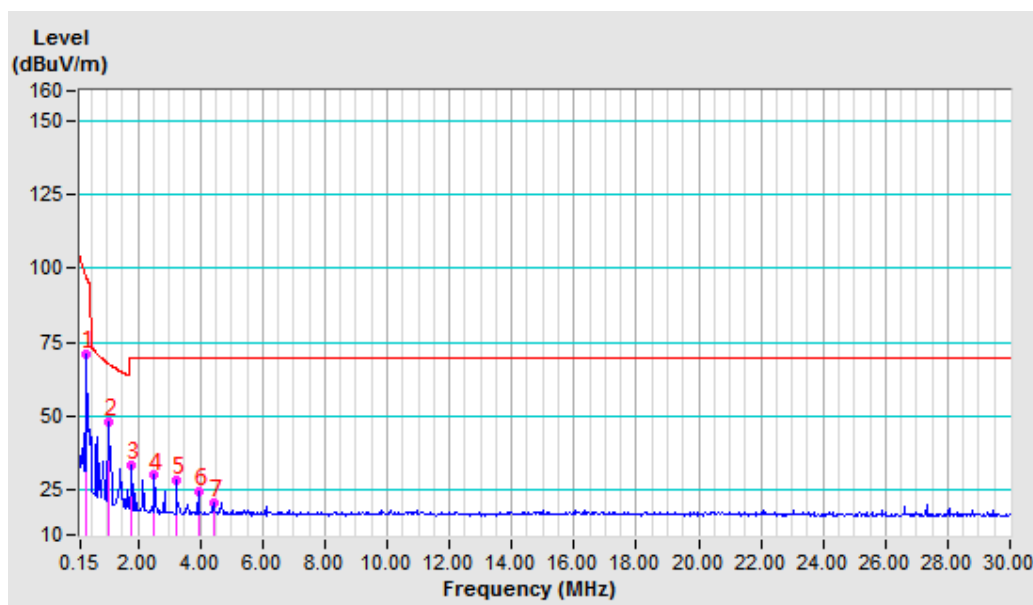
Test Mode	B	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.3590	-11.40	81.95	70.55	96.50	-25.95	100	132
2	1.0784	-11.44	59.10	47.66	67.58	-19.92	100	235
3	1.7978	-11.49	44.58	33.09	69.54	-36.45	100	324
4	2.5157	-11.44	41.53	30.09	69.54	-39.45	100	263
5	3.2352	-11.36	39.40	28.04	69.54	-41.50	100	39
6	3.9546	-11.26	36.11	24.85	69.54	-44.69	100	294
7	4.4247	-11.23	32.75	21.52	69.54	-48.02	100	243



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

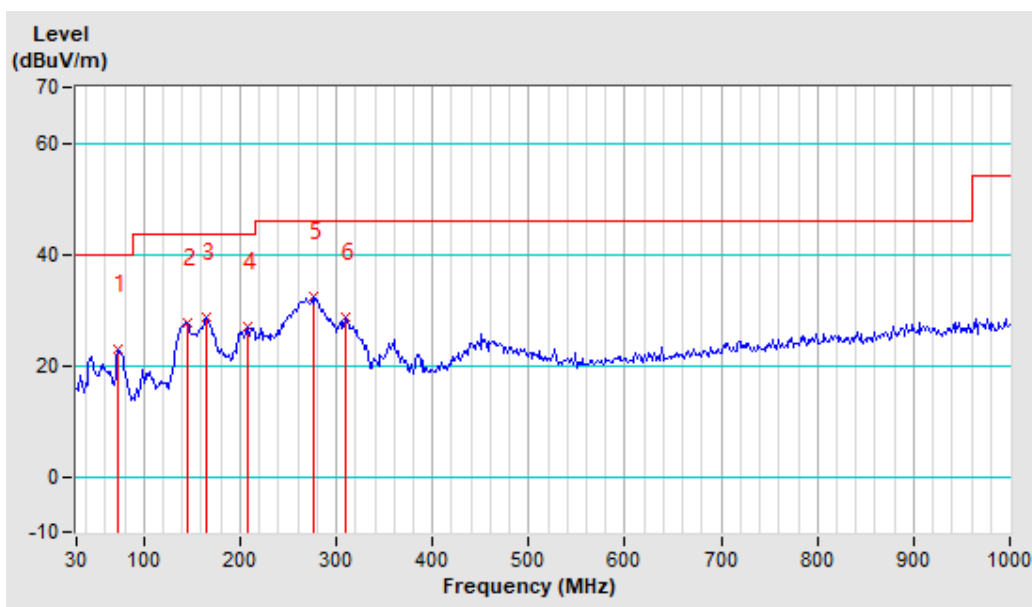
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.3590	-11.40	82.25	70.85	96.50	-25.65	100	123
2	1.0784	-11.44	59.61	48.17	67.58	-19.41	100	236
3	1.7978	-11.49	45.08	33.59	69.54	-35.95	100	239
4	2.5157	-11.44	41.53	30.09	69.54	-39.45	100	352
5	3.2352	-11.36	39.90	28.54	69.54	-41.00	100	106
6	3.9546	-11.26	35.79	24.53	69.54	-45.01	100	322
7	4.4247	-11.23	32.11	20.88	69.54	-48.66	100	12



Test Mode	B	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	27deg. C, 58% RH	Tested By	Jelly

Antenna Polarity & Test Distance: Horizontal At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	73.53	-20.47	43.48	23.01	40.00	-16.99	200	259
2	145.03	-16.96	44.63	27.67	43.50	-15.83	200	278
3	165.24	-17.11	45.68	28.57	43.50	-14.93	200	246
4	207.21	-19.36	46.25	26.89	43.50	-16.61	200	236
5	275.61	-16.33	48.70	32.37	46.00	-13.63	200	125
6	309.81	-15.15	43.86	28.71	46.00	-17.29	200	113

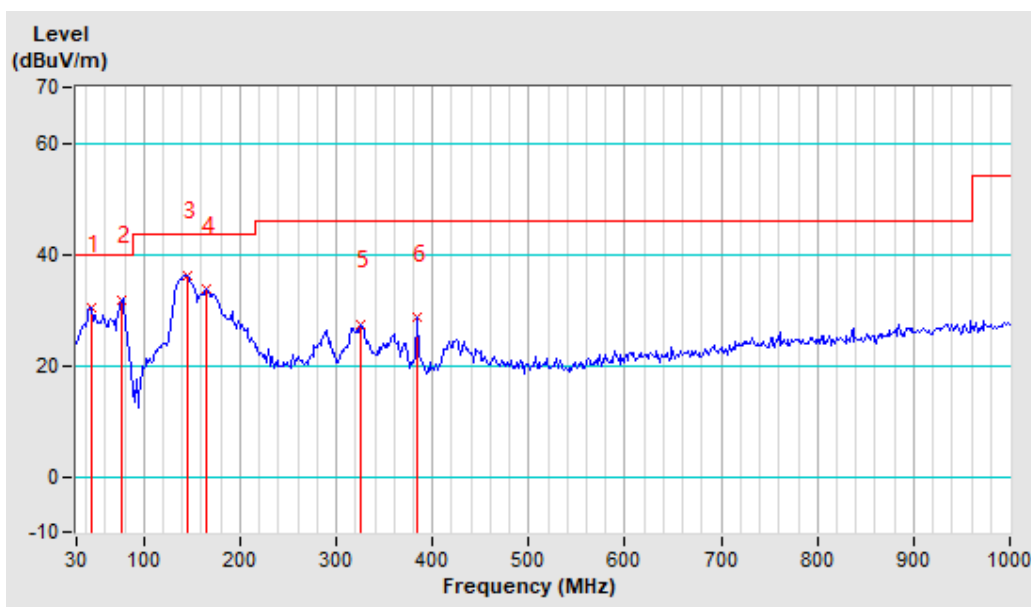
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions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



Test Mode	B	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	27deg. C, 58% RH	Tested By	Jelly

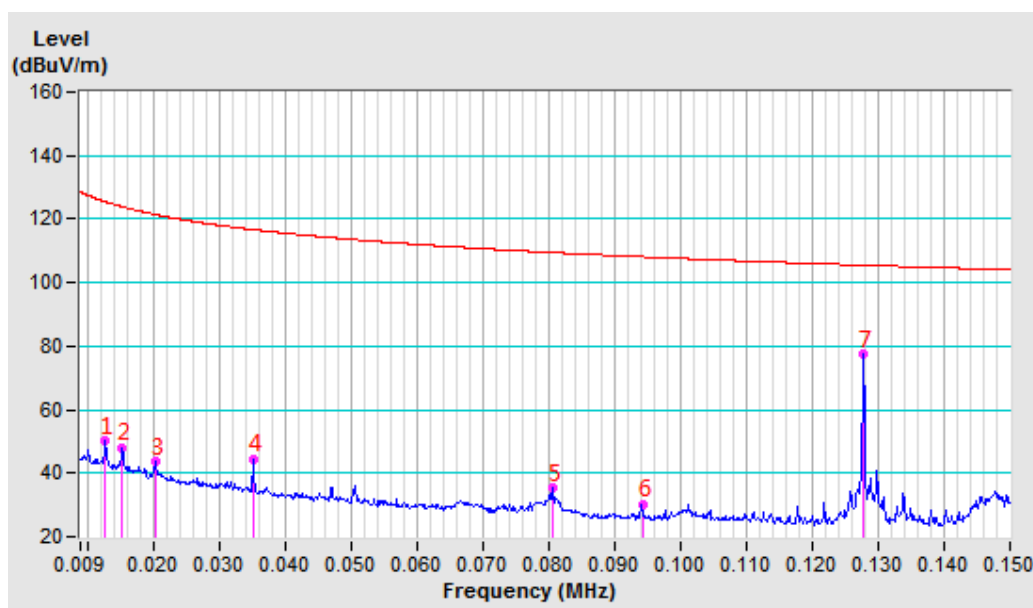
Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	45.54	-17.95	48.15	30.20	40.00	-9.80	100	239
2	76.63	-21.40	53.10	31.70	40.00	-8.30	100	147
3	145.03	-16.96	53.05	36.09	43.50	-7.41	100	86
4	165.24	-17.11	50.67	33.56	43.50	-9.94	100	25
5	325.35	-14.79	42.06	27.27	46.00	-18.73	100	78
6	384.42	-13.27	41.79	28.52	46.00	-17.48	100	112

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



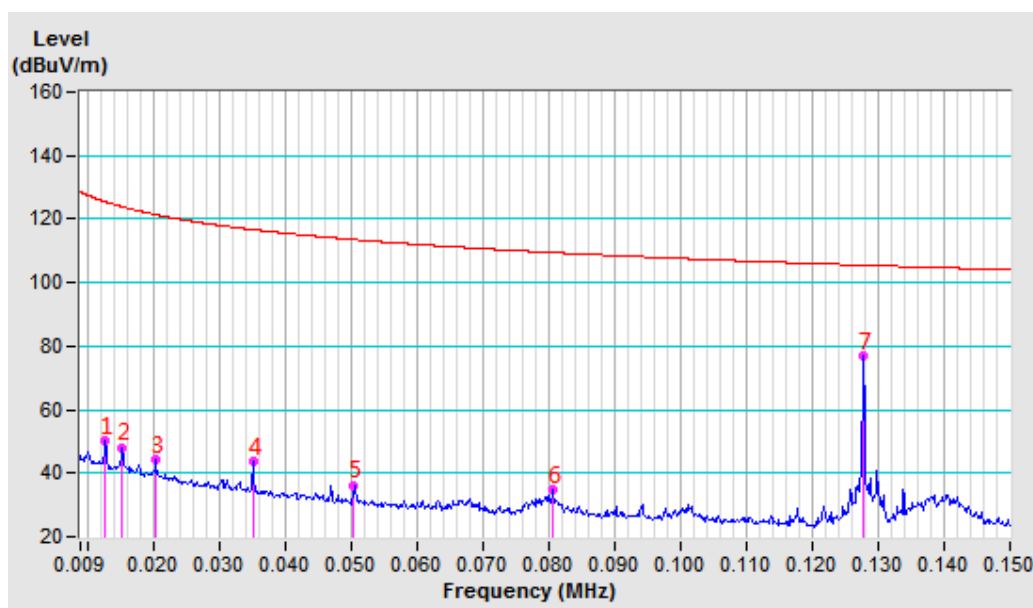
Test Mode	C	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.0128	-10.38	60.60	50.22	125.46	-75.24	100	102
2	0.0154	-10.55	58.71	48.16	123.85	-75.69	100	252
3	0.0204	-10.88	54.62	43.74	121.41	-77.67	100	234
4	0.0352	-11.55	56.07	44.52	116.67	-72.15	100	39
5	0.0807	-11.55	46.89	35.34	109.47	-74.13	100	276
6	0.0942	-11.51	41.71	30.20	108.12	-77.92	100	176
7	0.1278	-11.41	88.74	77.33	105.47	-28.14	100	305



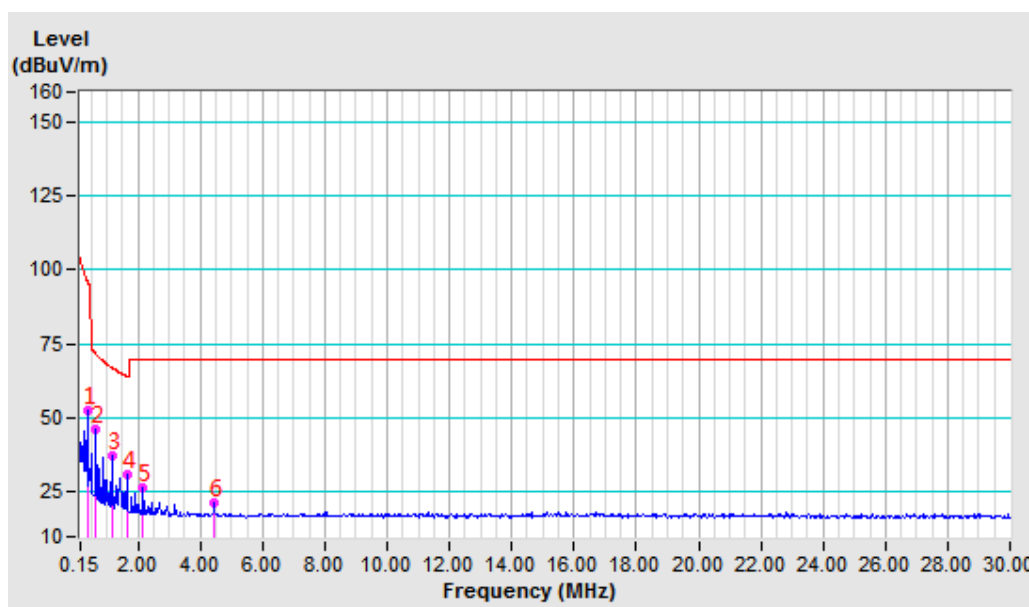
Test Mode	C	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.0128	-10.38	60.38	50.00	125.46	-75.46	100	20
2	0.0154	-10.55	58.67	48.12	123.85	-75.73	100	324
3	0.0205	-10.88	54.97	44.09	121.37	-77.28	100	272
4	0.0352	-11.55	55.22	43.67	116.67	-73.00	100	168
5	0.0505	-11.63	47.82	36.19	113.54	-77.35	100	286
6	0.0807	-11.55	46.24	34.69	109.47	-74.78	100	307
7	0.1278	-11.41	88.34	76.93	105.47	-28.54	100	101



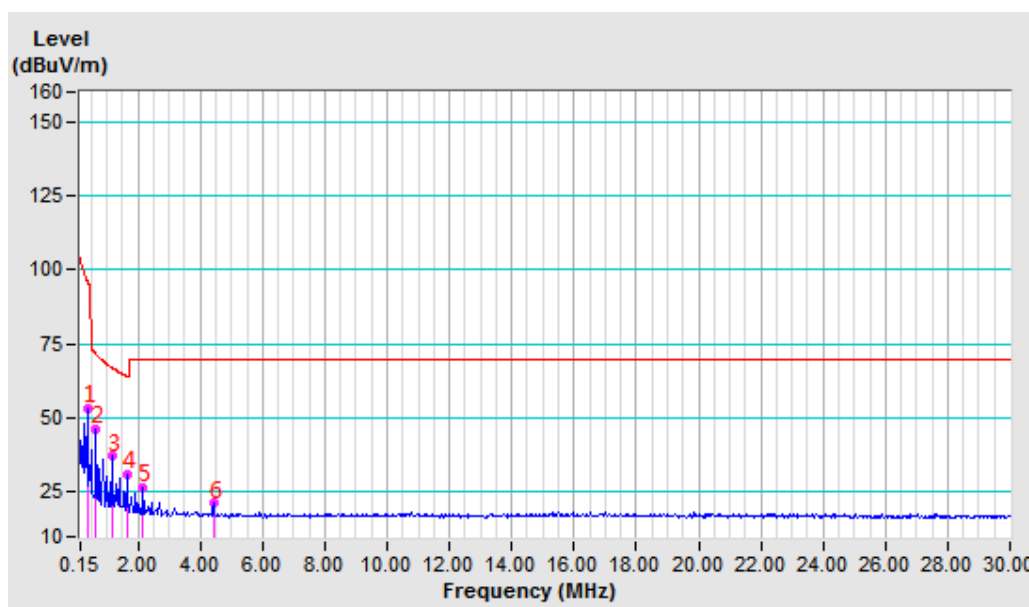
Test Mode	C	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.3828	-11.43	64.25	52.82	95.94	-43.12	100	231
2	0.6381	-11.49	57.98	46.49	71.72	-25.23	100	287
3	1.1500	-11.46	48.56	37.10	67.07	-29.97	100	325
4	1.6605	-11.48	42.43	30.95	64.18	-33.23	100	321
5	2.1724	-11.48	37.87	26.39	69.54	-43.15	100	102
6	4.4412	-11.23	32.67	21.44	69.54	-48.10	100	209



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

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.3828	-11.43	64.53	53.10	95.94	-42.84	100	125
2	0.6381	-11.49	57.86	46.37	71.72	-25.35	100	345
3	1.1500	-11.46	48.53	37.07	67.07	-30.00	100	102
4	1.6605	-11.48	42.56	31.08	64.18	-33.10	100	349
5	2.1724	-11.48	37.88	26.40	69.54	-43.14	100	287
6	4.4262	-11.23	32.42	21.19	69.54	-48.35	100	239

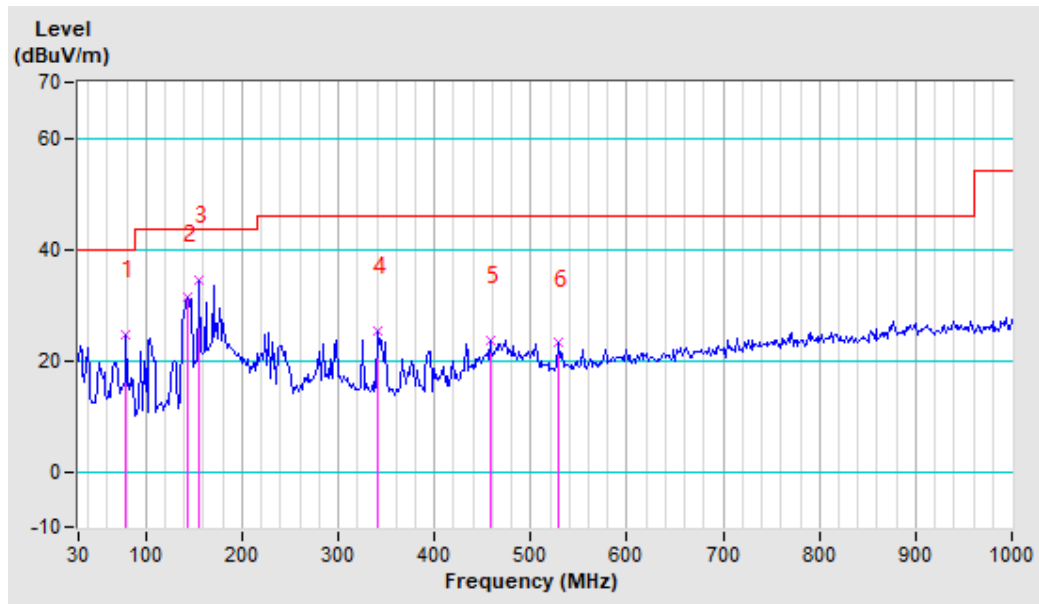




Test Mode	C	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	27deg. C, 58% RH	Tested By	Jelly

Antenna Polarity & Test Distance: Horizontal At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	141.92	-17.19	41.70	24.51	43.50	-18.99	200	95
2	168.35	-17.30	51.41	34.11	43.50	-9.39	200	85
3	280.27	-16.14	46.14	30.00	46.00	-16.00	200	267
4	305.14	-15.26	45.23	29.97	46.00	-16.03	200	198
5	471.47	-10.63	50.34	39.71	46.00	-6.29	200	253
6	487.02	-10.35	50.64	40.29	46.00	-5.71	200	124

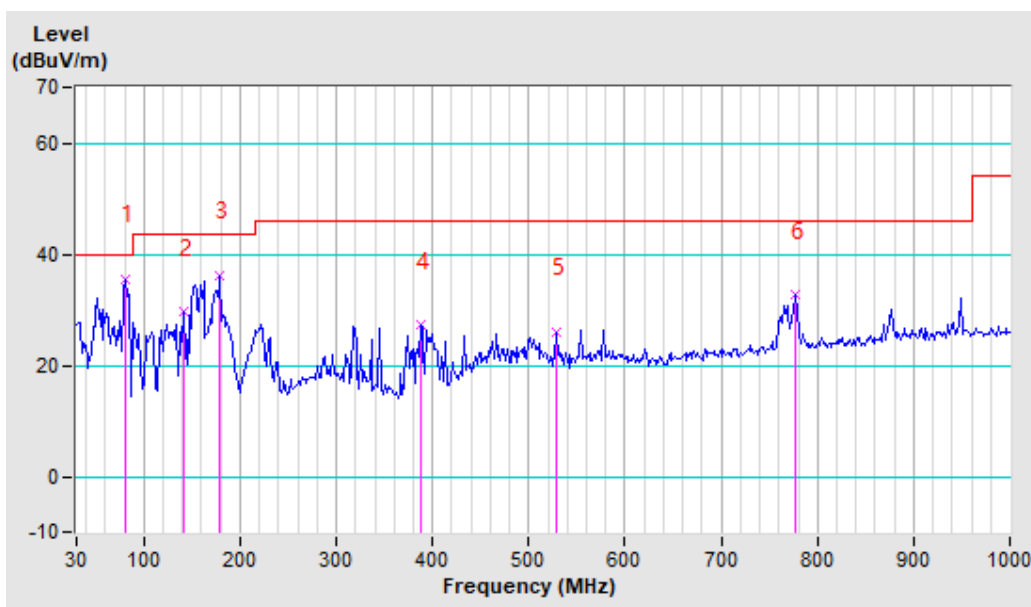
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions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



Test Mode	C	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	27deg. C, 58% RH	Tested By	Jelly

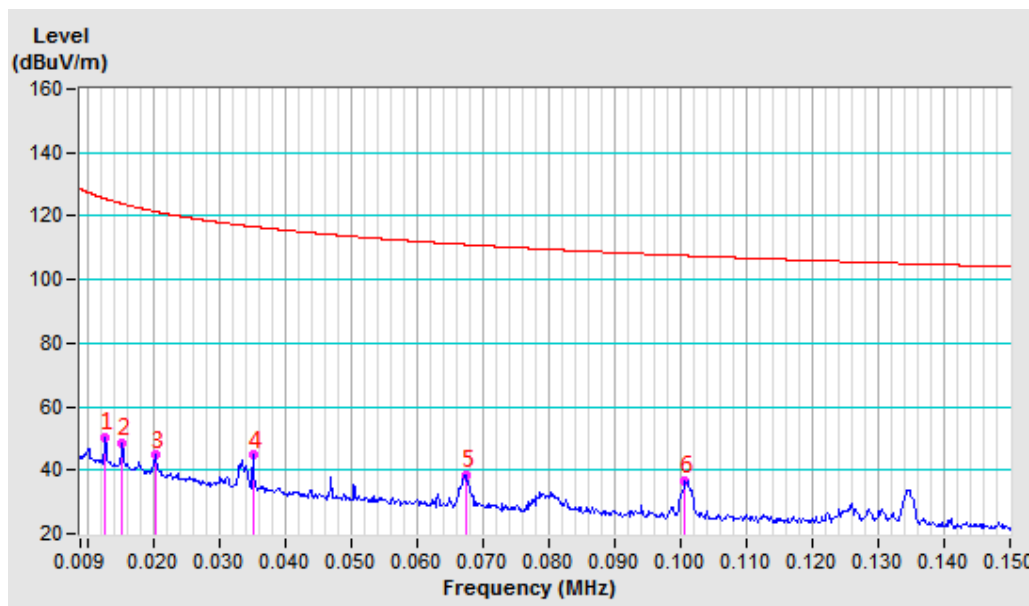
Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	45.54	-17.95	45.50	27.55	40.00	-12.45	100	234
2	78.19	-21.84	49.74	27.90	40.00	-12.10	100	122
3	143.48	-17.08	49.41	32.33	43.50	-11.17	100	142
4	173.01	-17.71	45.21	27.50	43.50	-16.00	100	98
5	361.11	-13.90	45.76	31.86	46.00	-14.14	100	45
6	501.01	-10.10	40.19	30.09	46.00	-15.91	100	142

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



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

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.0128	-10.38	60.78	50.40	125.46	-75.06	100	122
2	0.0154	-10.55	59.22	48.67	123.85	-75.18	100	132
3	0.0204	-10.88	55.53	44.65	121.41	-76.76	100	245
4	0.0352	-11.55	56.46	44.91	116.67	-71.76	100	278
5	0.0675	-11.59	50.08	38.49	111.02	-72.53	100	324
6	0.1007	-11.49	48.32	36.83	107.54	-70.71	100	329



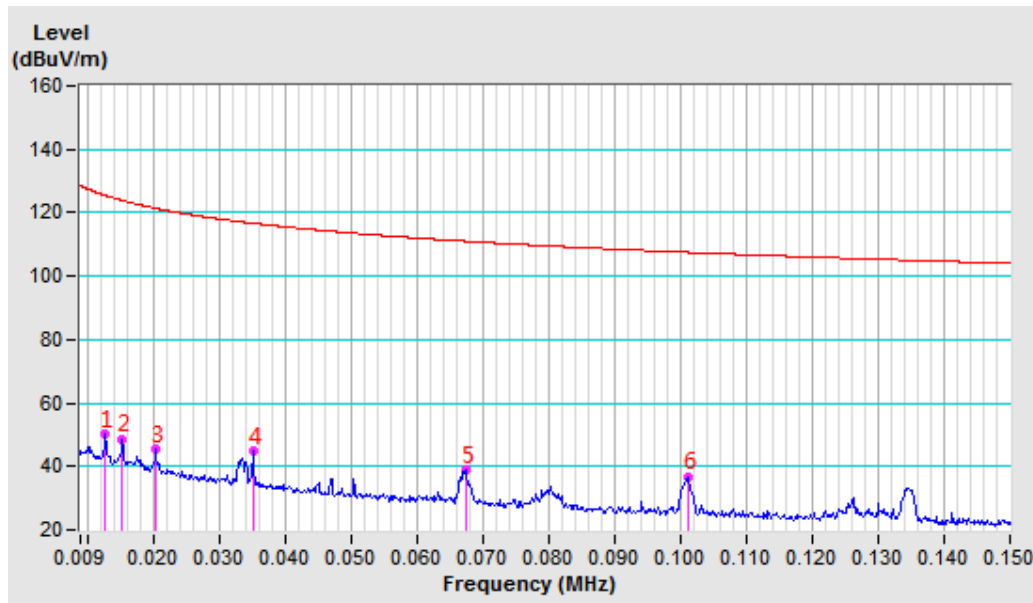


**BUREAU
VERITAS**

Test Report No.: RF2410WDG0213

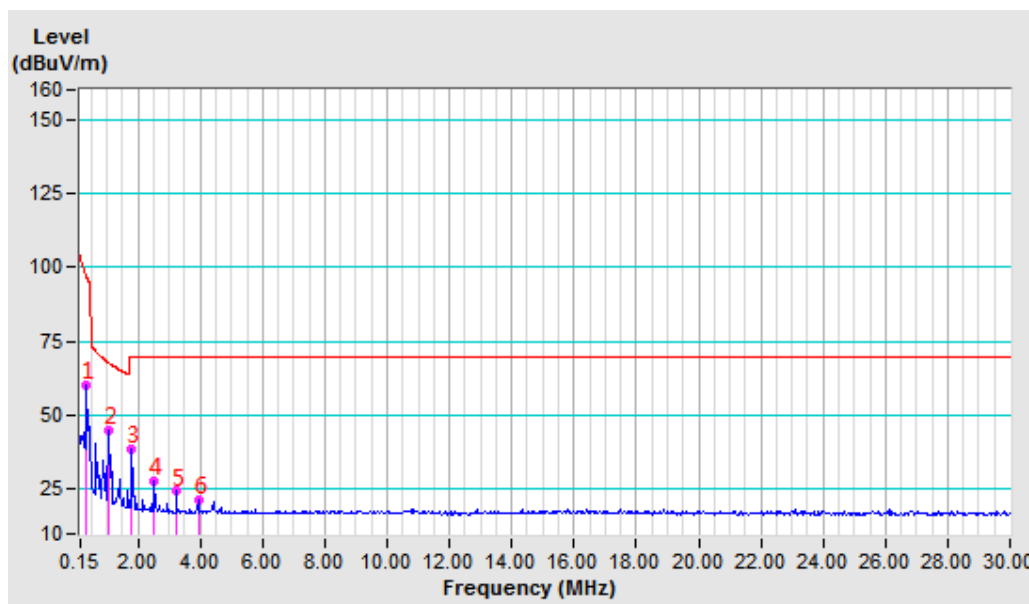
Test Mode	D	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.0128	-10.38	60.40	50.02	125.46	-75.44	100	24
2	0.0154	-10.55	59.28	48.73	123.85	-75.12	100	324
3	0.0205	-10.88	56.40	45.52	121.37	-75.85	100	325
4	0.0352	-11.55	56.42	44.87	116.67	-71.80	100	278
5	0.0674	-11.59	50.48	38.89	111.03	-72.14	100	178
6	0.1011	-11.49	48.18	36.69	107.51	-70.82	100	245



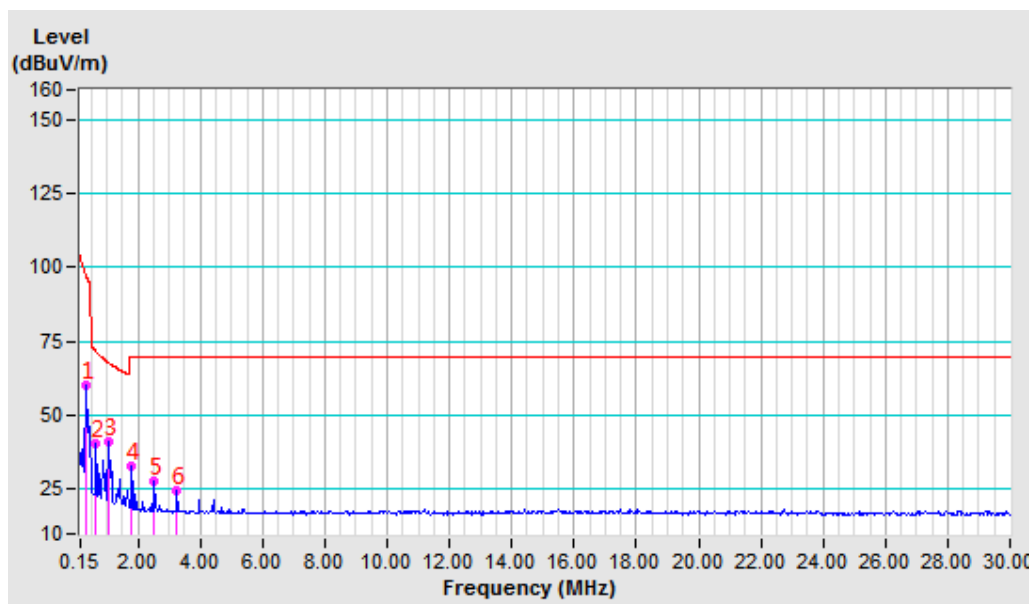
Test Mode	D	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.3590	-11.40	71.49	60.09	96.50	-36.41	100	102
2	1.0784	-11.44	56.31	44.87	67.58	-22.71	100	247
3	1.7978	-11.49	50.00	38.51	69.54	-31.03	100	324
4	2.5157	-11.44	39.52	28.08	69.54	-41.46	100	327
5	3.2352	-11.36	35.70	24.34	69.54	-45.20	100	298
6	3.9546	-11.26	32.57	21.31	69.54	-48.23	100	32



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

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.3590	-11.40	71.41	60.01	96.50	-36.49	100	120
2	0.6381	-11.49	52.31	40.82	71.72	-30.90	100	132
3	1.0784	-11.44	52.55	41.11	67.58	-26.47	100	324
4	1.7978	-11.49	44.50	33.01	69.54	-36.53	100	360
5	2.5157	-11.44	39.47	28.03	69.54	-41.51	100	223
6	3.2352	-11.36	36.18	24.82	69.54	-44.72	100	236





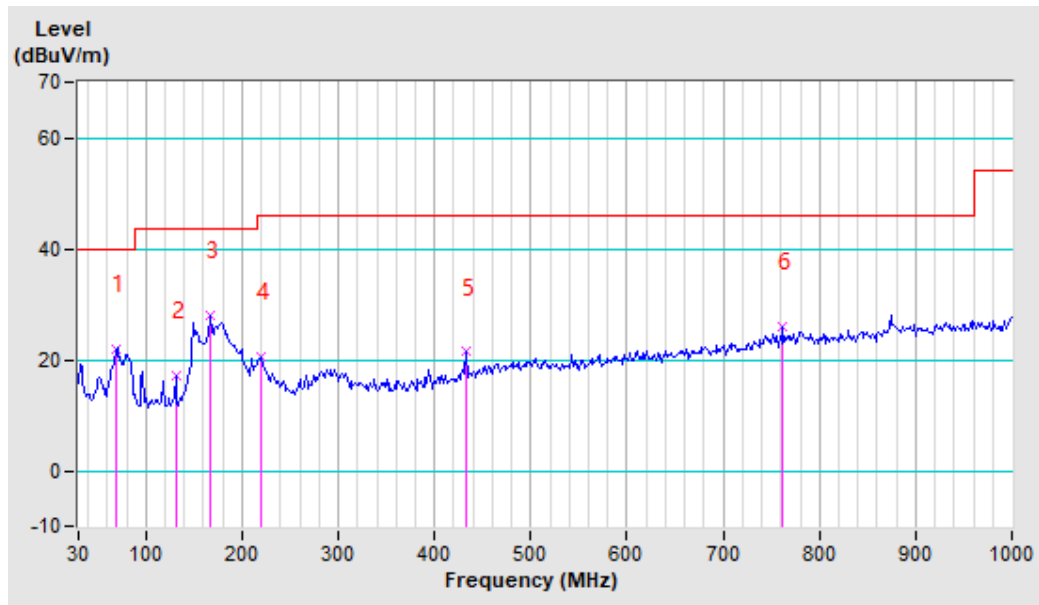
**BUREAU
VERITAS**

Test Report No.: RF2410WDG0213

Test Mode	D	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	27deg. C, 58% RH	Tested By	Jelly

Antenna Polarity & Test Distance: Horizontal At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	43.99	-18.10	39.55	21.45	40.00	-18.55	100	248
2	71.97	-19.99	41.33	21.34	40.00	-18.66	100	46
3	162.13	-16.91	45.66	28.75	43.50	-14.75	100	126
4	244.52	-17.58	49.27	31.69	46.00	-14.31	100	142
5	281.83	-16.09	52.87	36.78	46.00	-9.22	100	253
6	303.59	-15.30	53.25	37.95	46.00	-8.05	100	135

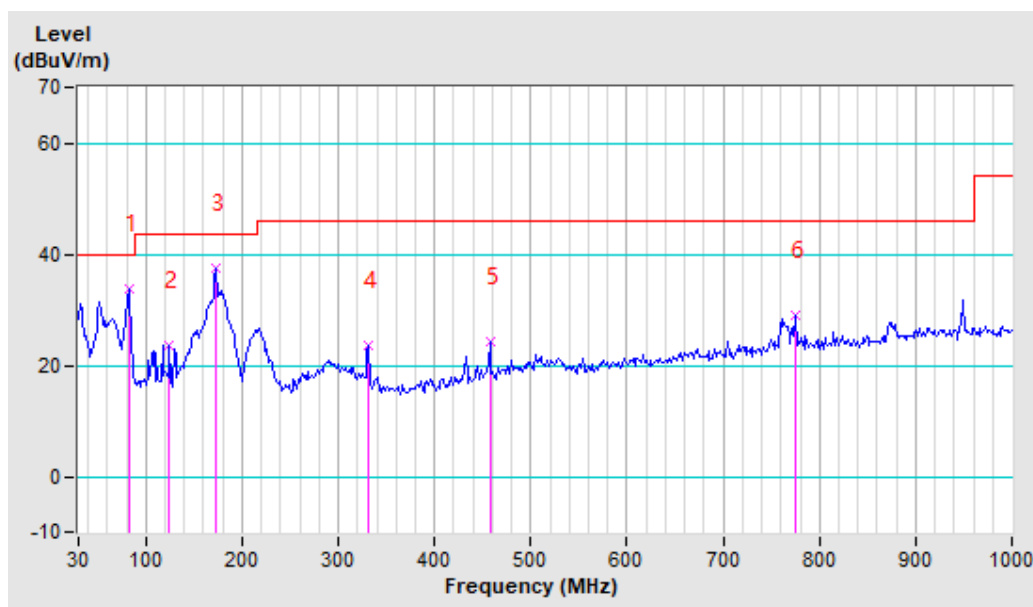
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 2. Negative sign (-) in the margin column signify levels below the limit.
 3. Frequency range scanned: 30-1000MHz.
 4. Only emissions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

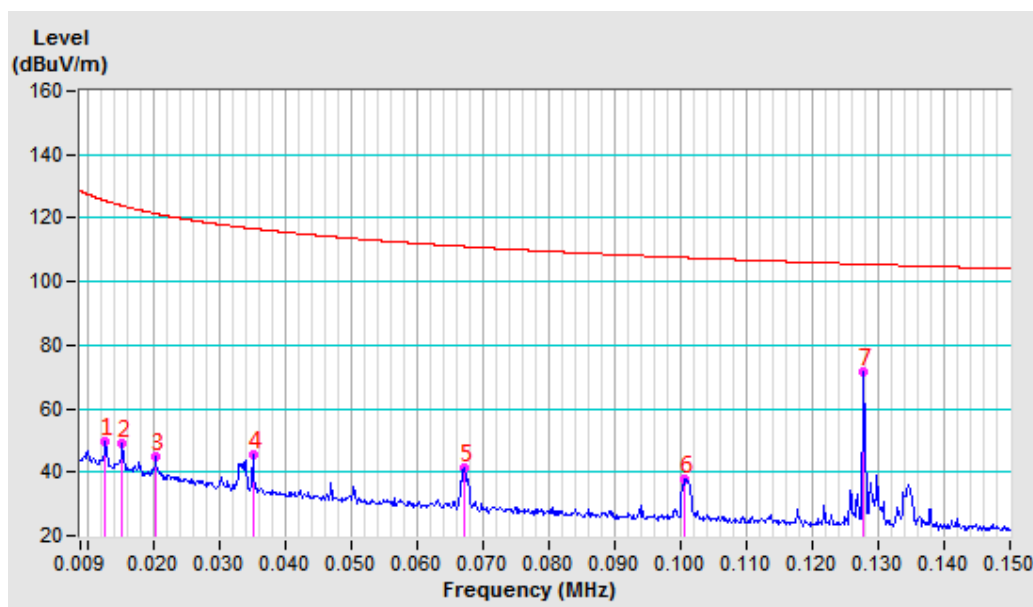
Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	43.99	-18.10	51.79	33.69	40.00	-6.31	100	195
2	75.08	-20.94	55.26	34.32	40.00	-5.68	100	177
3	140.37	-17.31	54.61	37.30	43.50	-6.20	100	165
4	171.46	-17.55	52.64	35.09	43.50	-8.41	100	251
5	294.26	-15.60	45.28	29.68	46.00	-16.32	100	234
6	316.03	-15.00	44.62	29.62	46.00	-16.38	100	214

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



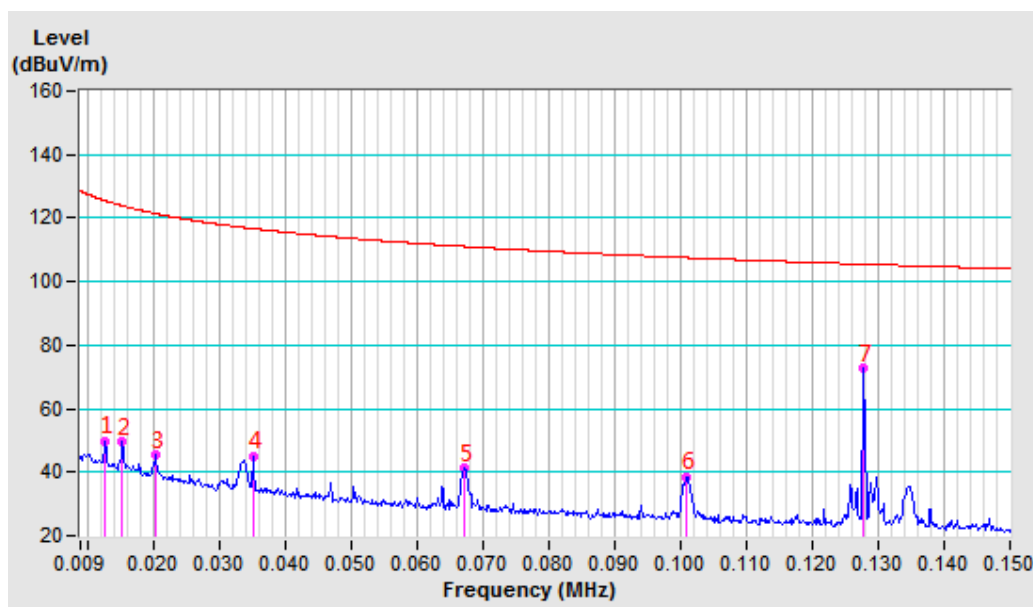
Test Mode	E	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.0218	-10.38	60.05	49.67	125.46	-75.79	100	213
2	0.0154	-10.55	59.61	49.06	123.85	-74.79	100	233
3	0.0204	-10.88	55.67	44.79	121.41	-76.62	100	42
4	0.0352	-11.55	56.83	45.28	116.67	-71.39	100	236
5	0.0672	-11.59	52.66	41.07	111.06	-69.99	100	24
6	0.1007	-11.49	49.30	37.81	107.54	-69.73	100	198
7	0.1278	-11.41	82.82	71.41	105.47	-34.06	100	131



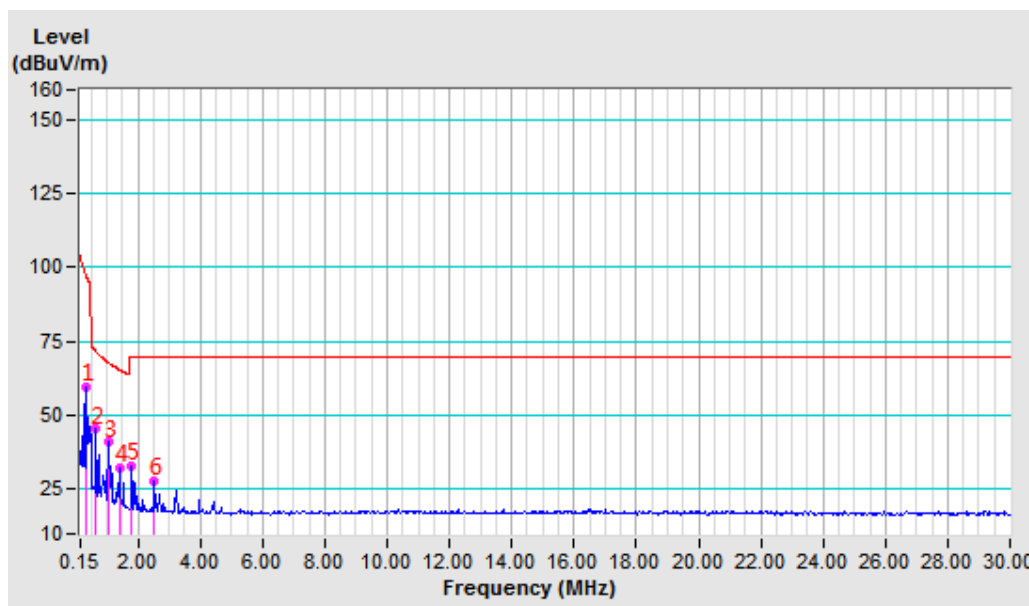
Test Mode	E	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.0128	-10.38	60.13	49.75	125.46	-75.71	100	200
2	0.0153	-10.54	60.00	49.46	123.91	-74.45	100	321
3	0.0204	-10.88	56.22	45.34	121.41	-76.07	100	236
4	0.0352	-11.55	56.70	45.15	116.67	-71.52	100	249
5	0.0673	-11.59	52.66	41.07	111.04	-69.97	100	278
6	0.1010	-11.49	50.10	38.61	107.52	-68.91	100	17
7	0.1278	-11.41	84.12	72.71	105.47	-32.76	100	173



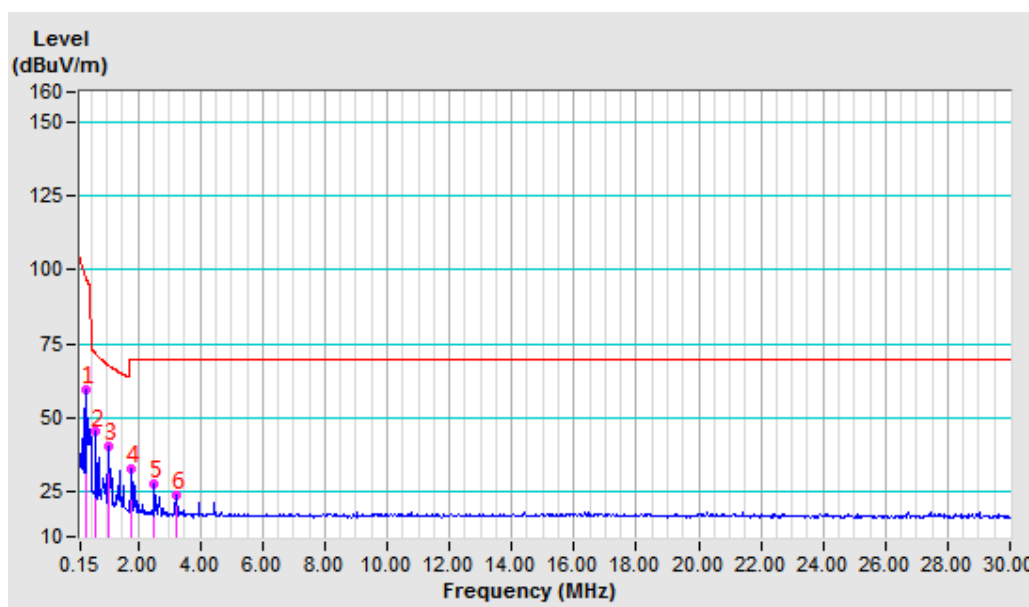
Test Mode	E	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.3590	-11.40	71.17	59.77	96.50	-36.73	100	240
2	0.6381	-11.49	56.83	45.34	71.72	-26.38	100	324
3	1.0784	-11.44	52.34	40.90	67.58	-26.68	100	54
4	1.4053	-11.46	43.77	32.31	65.49	-33.18	100	175
5	1.7963	-11.49	44.22	32.73	69.54	-36.81	100	26
6	2.5157	-11.44	39.43	27.99	69.54	-41.55	100	323



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

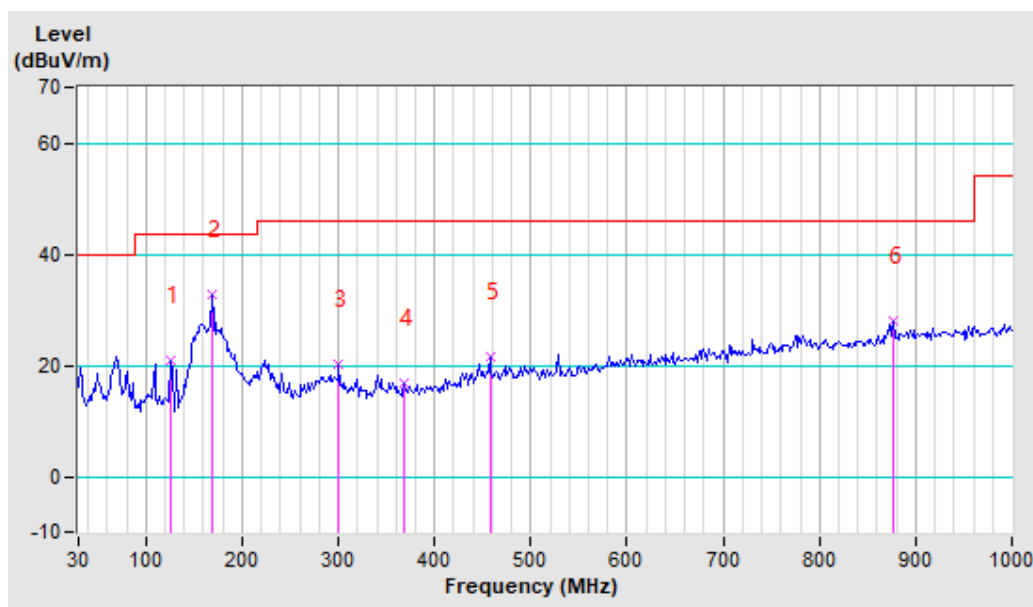
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.3590	-11.40	71.16	59.76	96.50	-36.74	100	104
2	0.6381	-11.49	56.81	45.32	71.72	-26.40	100	343
3	1.0784	-11.44	52.18	40.74	67.58	-26.84	100	207
4	1.7978	-11.49	44.19	32.70	69.54	-36.84	100	143
5	2.5157	-11.44	39.12	27.68	69.54	-41.86	100	324
6	3.2352	-11.36	35.16	23.80	69.54	-45.74	100	327



Test Mode	E	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	27deg. C, 58% RH	Tested By	Jelly

Antenna Polarity & Test Distance: Horizontal At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	163.69	-17.01	45.04	28.03	43.50	-15.47	200	49
2	255.40	-17.11	45.14	28.03	46.00	-17.97	200	27
3	281.83	-16.09	46.99	30.90	46.00	-15.10	200	78
4	468.37	-10.68	50.73	40.05	46.00	-5.95	200	143
5	487.02	-10.35	49.05	38.70	46.00	-7.30	200	245
6	588.06	-8.36	40.45	32.09	46.00	-13.91	200	123

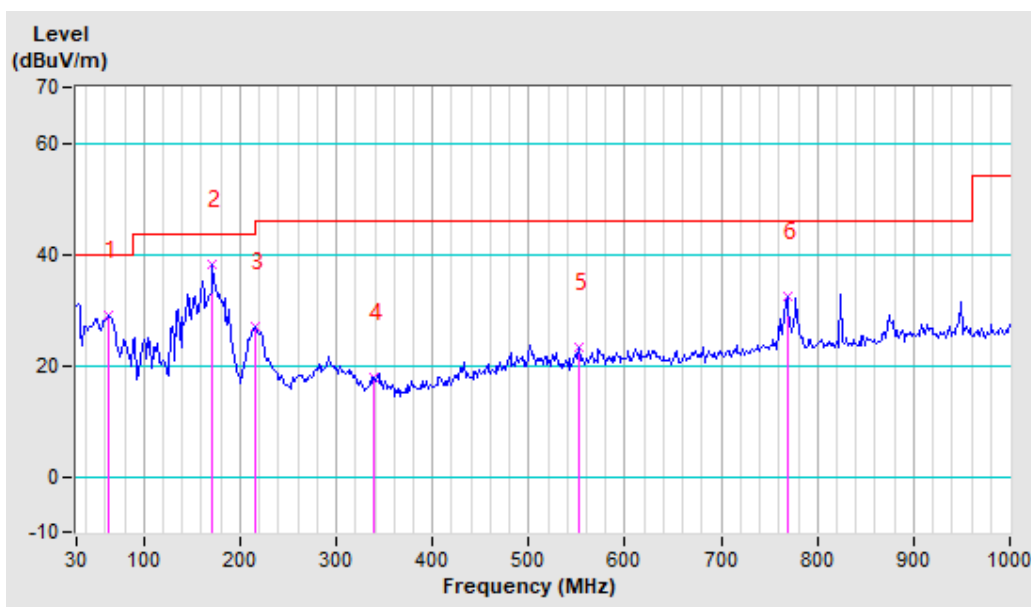
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions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



Test Mode	E	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	27deg. C, 58% RH	Tested By	Jelly

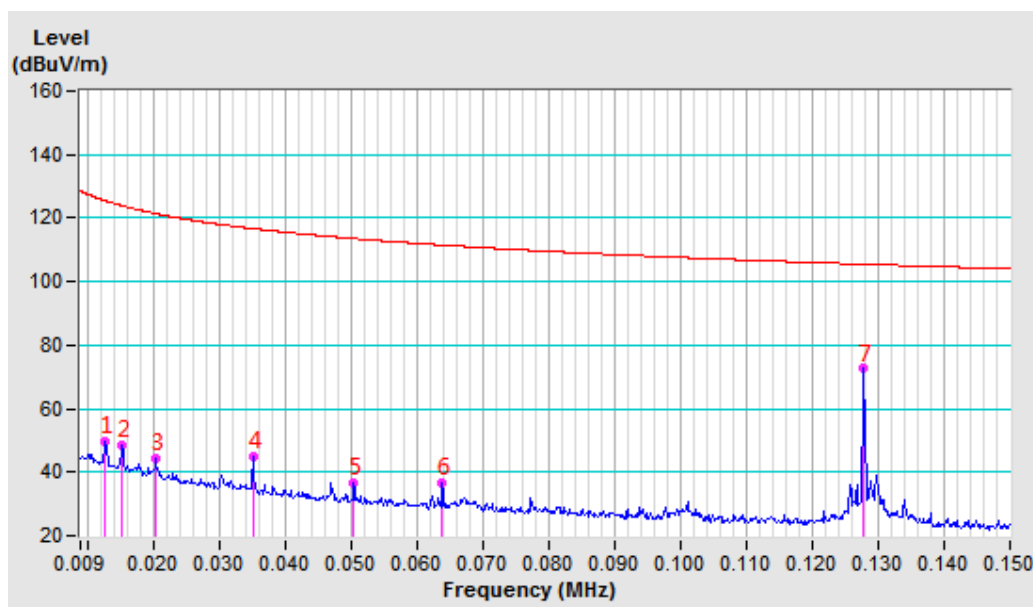
Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	43.99	-18.10	48.08	29.98	40.00	-10.02	100	43
2	78.19	-21.84	53.43	31.59	40.00	-8.41	100	75
3	143.48	-17.08	53.32	36.24	43.50	-7.26	100	102
4	455.93	-10.91	44.80	33.89	46.00	-12.11	100	267
5	491.68	-10.26	43.36	33.10	46.00	-12.90	100	302
6	594.28	-8.20	37.74	29.54	46.00	-16.46	100	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	F	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.0128	-10.38	60.31	49.93	125.46	-75.53	100	32
2	0.0154	-10.55	59.30	48.75	123.85	-75.10	100	136
3	0.0204	-10.88	55.34	44.46	121.41	-76.95	100	179
4	0.0352	-11.55	56.61	45.06	116.67	-71.61	100	279
5	0.0505	-11.63	48.49	36.86	113.54	-76.68	100	236
6	0.0639	-11.59	48.34	36.75	111.49	-74.74	100	332
7.	0.1278	-11.41	84.13	72.72	105.47	-32.75	100	352





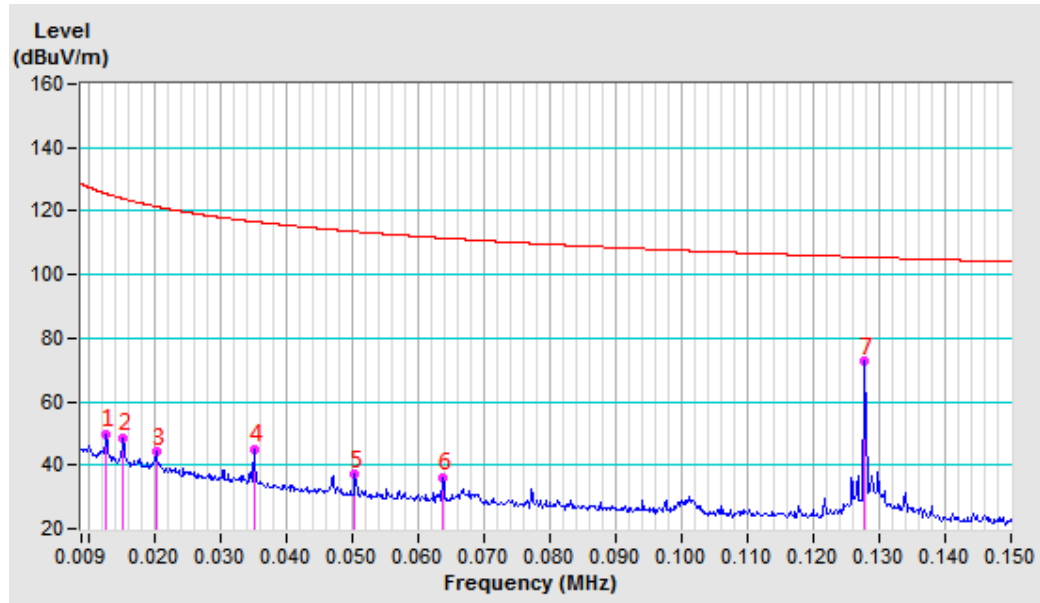
BUREAU
VERITAS

Test Report No.: RF2410WDG0213

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

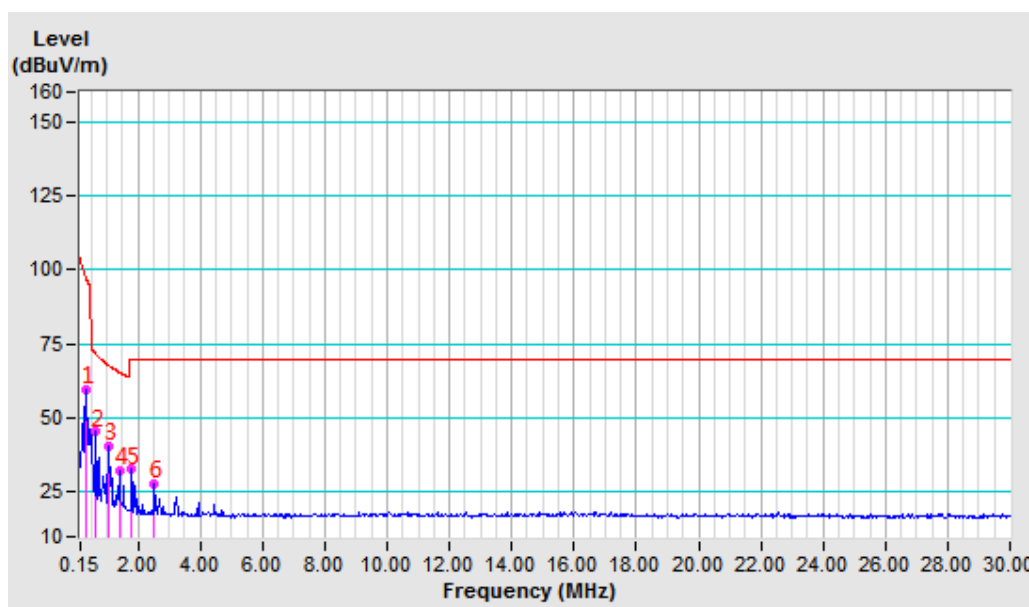
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m

No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.0128	-10.38	60.29	49.91	125.46	-75.55	100	324
2	0.0153	-10.54	59.10	48.56	123.91	-75.35	100	326
3	0.0205	-10.88	55.07	44.19	121.37	-77.18	100	293
4	0.0352	-11.55	56.74	45.19	116.67	-71.48	100	278
5	0.0505	-11.63	48.60	36.97	113.54	-76.57	100	173
6	0.0639	-11.59	47.76	36.17	111.49	-75.32	100	320
7	0.1278	-11.41	84.06	72.65	105.47	-32.82	100	162



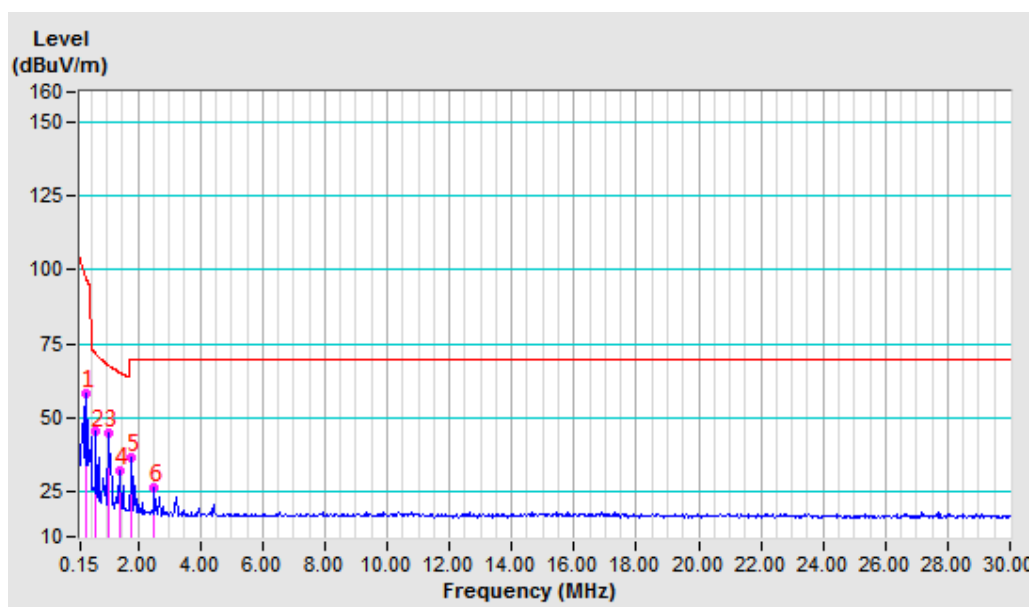
Test Mode	F	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.3590	-11.40	71.17	59.77	96.50	-36.73	100	21
2	0.6381	-11.49	56.78	45.29	71.72	-26.43	100	210
3	1.0784	-11.44	52.15	40.71	67.58	-26.87	100	322
4	1.4053	-11.46	43.66	32.20	65.49	-33.29	100	278
5	1.7978	-11.49	44.12	32.63	69.54	-36.91	100	234
6	2.5157	-11.44	39.32	27.88	69.54	-41.66	100	346



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

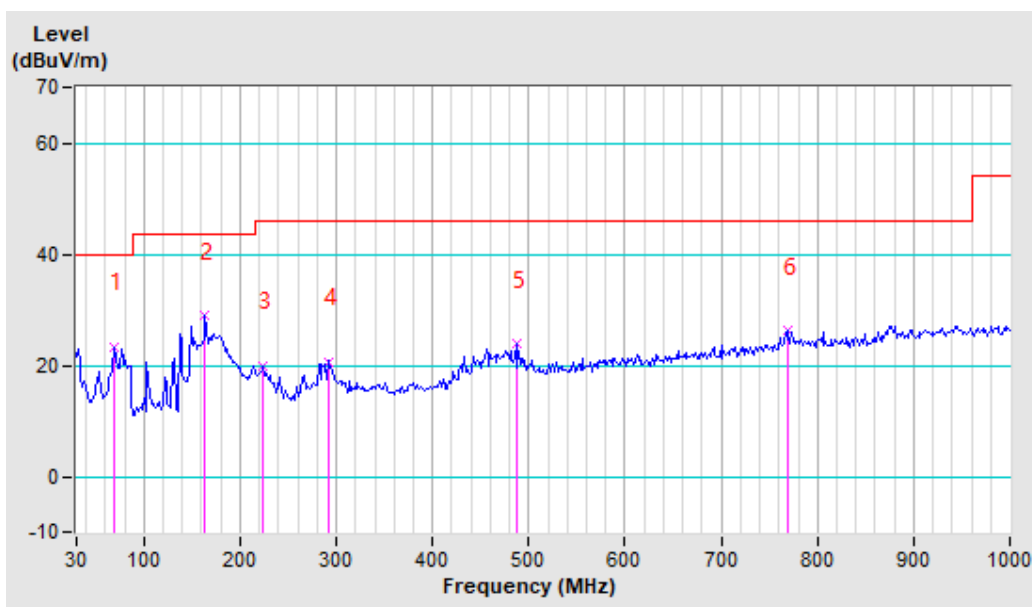
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.3590	-11.40	69.94	58.54	96.50	-37.96	100	102
2	0.6381	-11.49	56.81	45.32	71.72	-26.40	100	243
3	1.0784	-11.44	56.19	44.75	67.58	-22.83	100	326
4	1.4053	-11.46	43.97	32.51	65.49	-32.98	100	342
5	1.7978	-11.49	48.00	36.51	69.54	-33.03	100	278
6	2.5157	-11.44	38.19	26.75	69.54	-42.79	100	272



Test Mode	F	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	27deg. C, 58% RH	Tested By	Jelly

Antenna Polarity & Test Distance: Horizontal At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	71.97	-19.99	41.22	21.23	40.00	-18.77	200	227
2	166.79	-17.20	45.75	28.55	43.50	-14.95	100	126
3	288.04	-15.85	53.18	37.33	46.00	-8.67	100	85
4	303.59	-15.30	53.37	38.07	46.00	-7.93	100	7
5	468.37	-10.68	50.37	39.69	46.00	-6.31	100	243
6	496.35	-10.18	50.45	40.27	46.00	-5.73	100	145

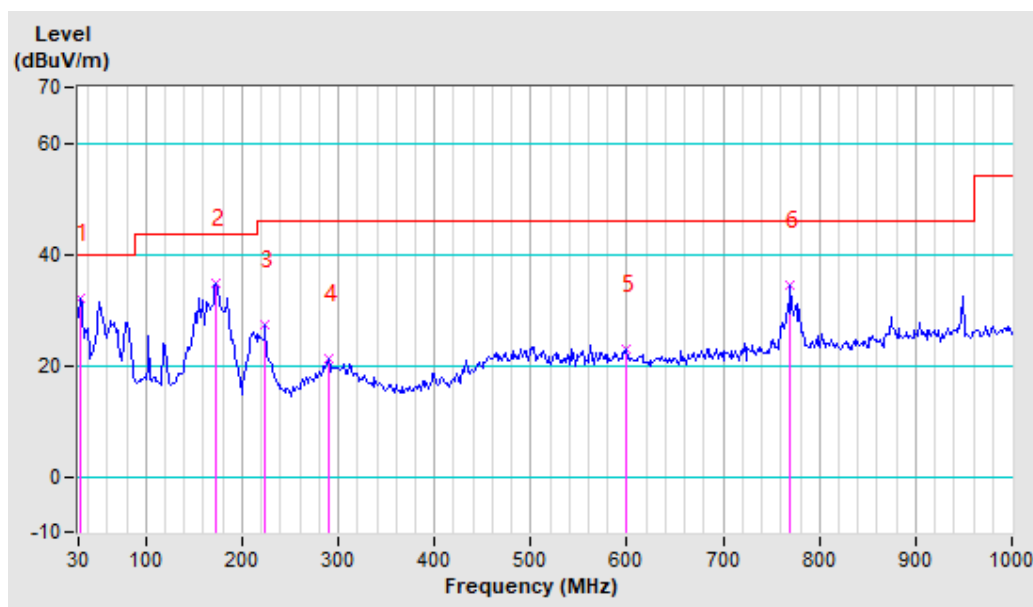
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions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



Test Mode	F	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	27deg. C, 58% RH	Tested By	Jelly

Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	43.99	-18.10	50.46	32.36	40.00	-7.64	100	128
2	76.63	-21.40	56.10	34.70	40.00	-5.30	100	102
3	137.26	-17.64	54.09	36.45	43.50	-7.05	100	302
4	166.79	-17.20	50.76	33.56	43.50	-9.94	100	154
5	459.04	-10.84	43.98	33.14	46.00	-12.86	100	87
6	493.24	-10.24	43.81	33.57	46.00	-12.43	100	46

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



4.3 20dB BANDWIDTH MEASUREMENT

4.3.1 LIMITS OF 20dB BANDWIDTH MEASUREMENT

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

4.3.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
Power Sensor	Keysight	U2021XA	MY57320002	Apr. 07, 25
Digital Multimeter	FLUKE	15B	A1220010DG	N/A
Humid & Temp Programmable Tester	Haida	HD-225T	110807201	Oct. 10, 25
Oscilloscope	Agilent	DSO9254A	MY51260160	Jul. 07, 25
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV40	101094	Oct. 09, 25
Signal Generator	Agilent	N5183A	MY50140980	Jul. 11, 25
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY56200288	Jul. 11, 25
BLUETOOTH TESTER	Rohde&Schwarz	CBT32	100811	N/A
Attenuator	MINI	BW-S10W2+	S130129FGE2	N/A
DC Source	Keysight	E3642A	MY56146098	N/A
Test software	ADT	ADT_RF Test Software V6.6.5.3	N/A	N/A

NOTES: 1. Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle.
2. The test was performed in RF Oven room.

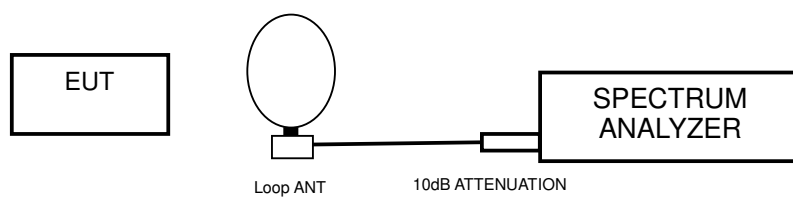
4.3.3 TEST PROCEDURE

- 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.



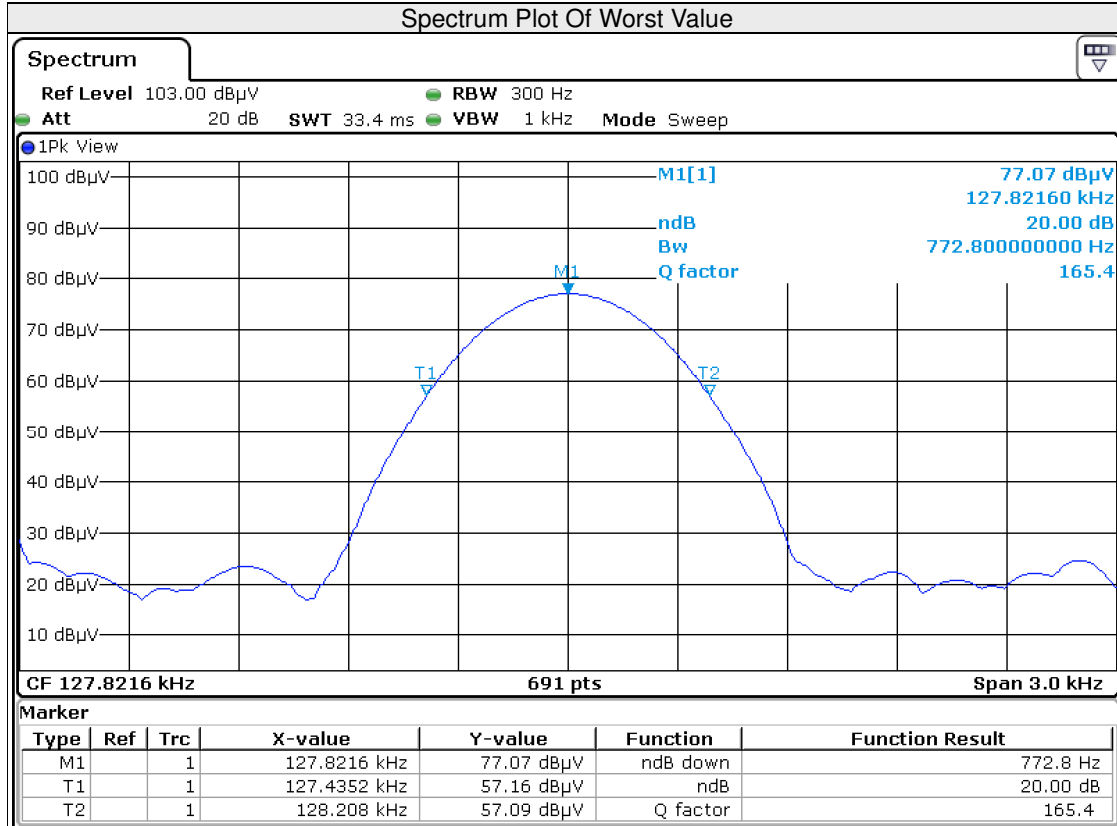
BUREAU
VERITAS

Test Report No.: RF2410WDG0213

4.3.7 TEST RESULTS

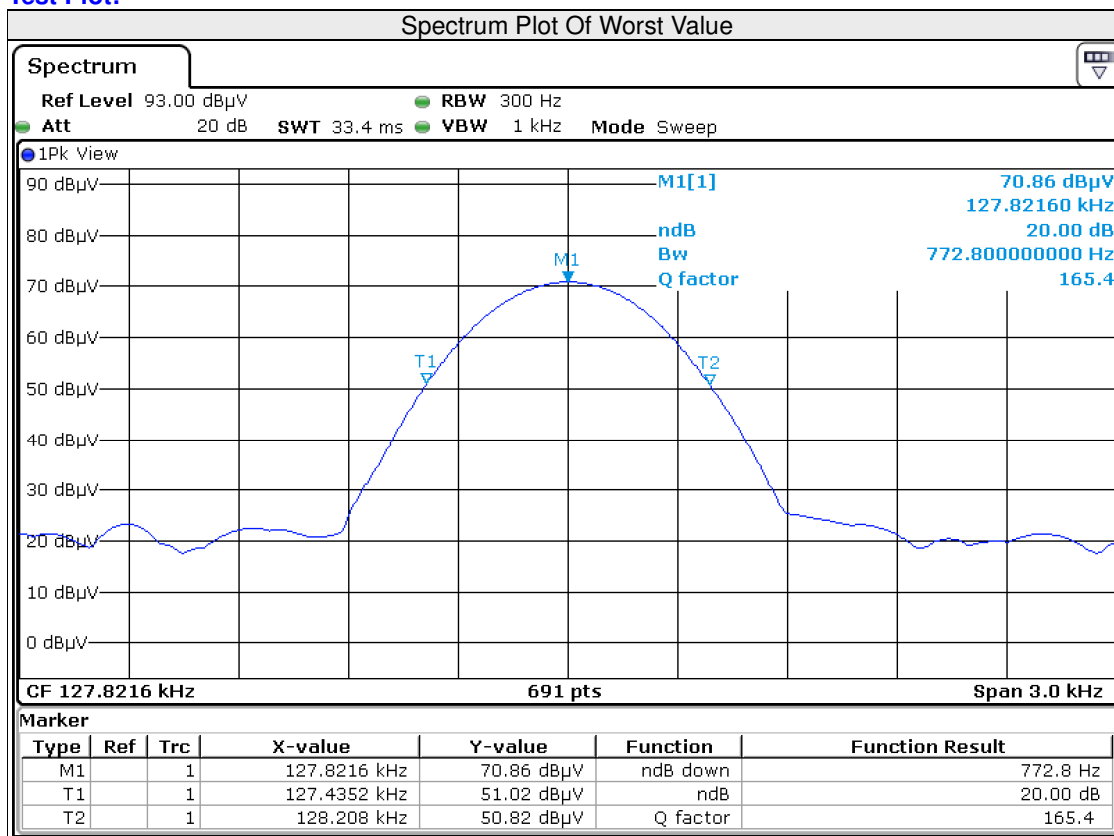
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
A	127.7(Air pros pro case+ Standby)	772.8

Test Plot:



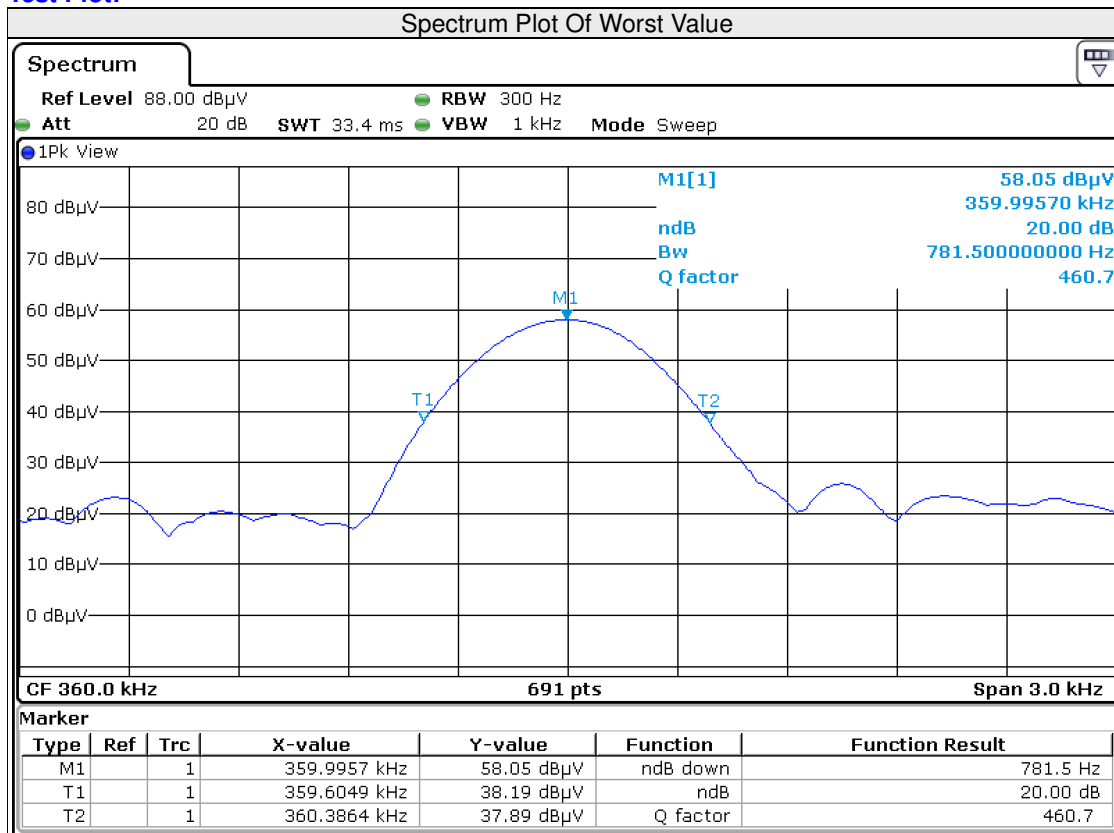
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
B	127.7(iPhone 16 Pro+AirPods Pro case)	772.8

Test Plot:



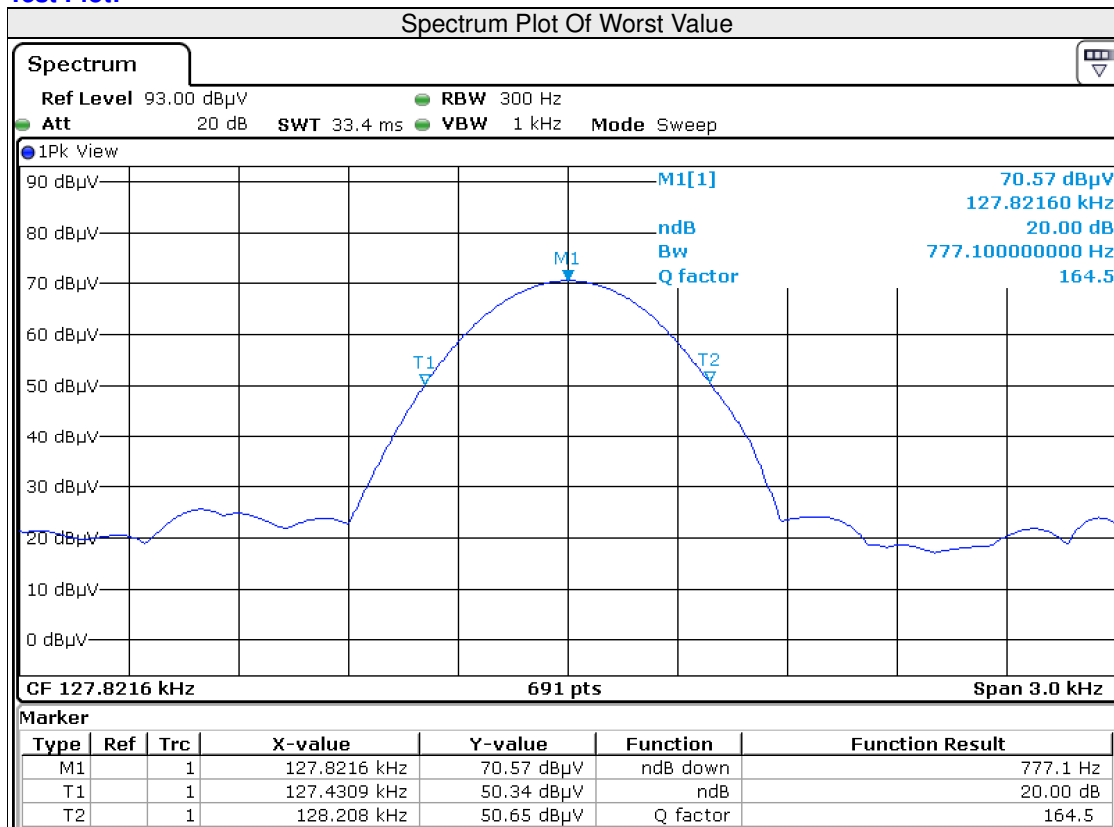
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
B	360(iPhone 16 Pro+AirPods Pro case)	781.5

Test Plot:



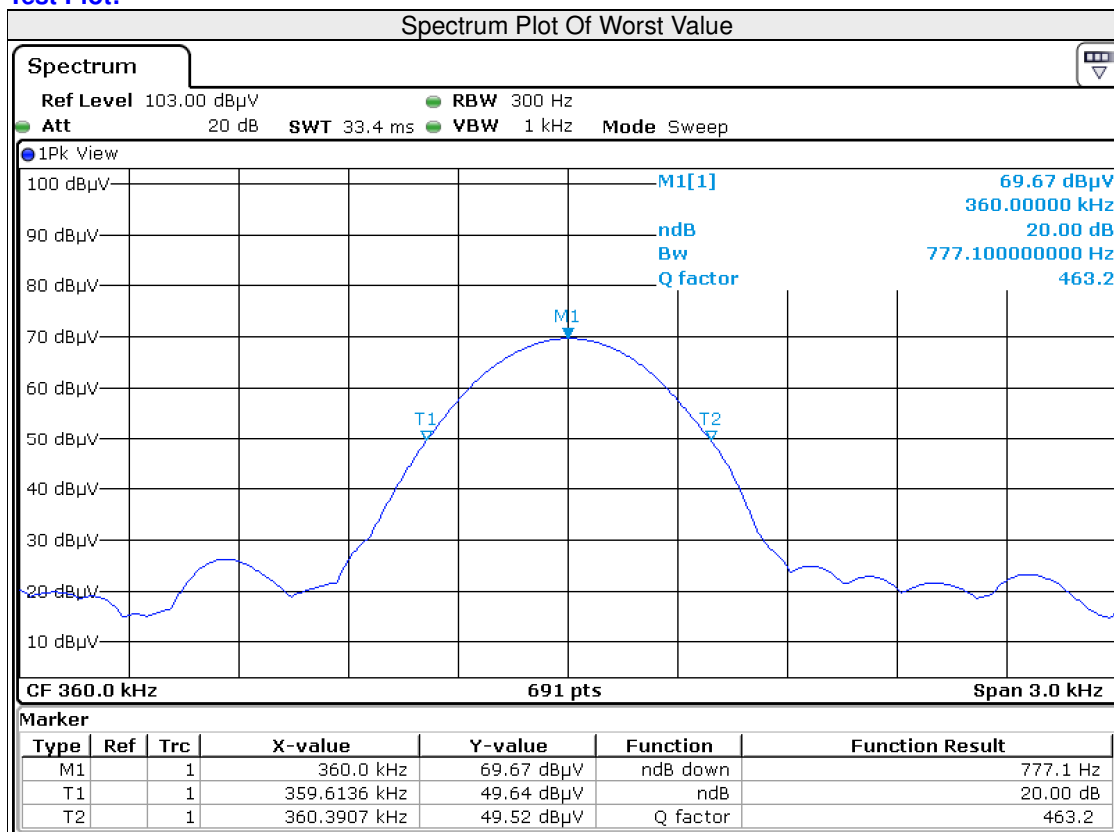
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
C	127.7(AirPods Pro Case+ Standby)	777.1

Test Plot:



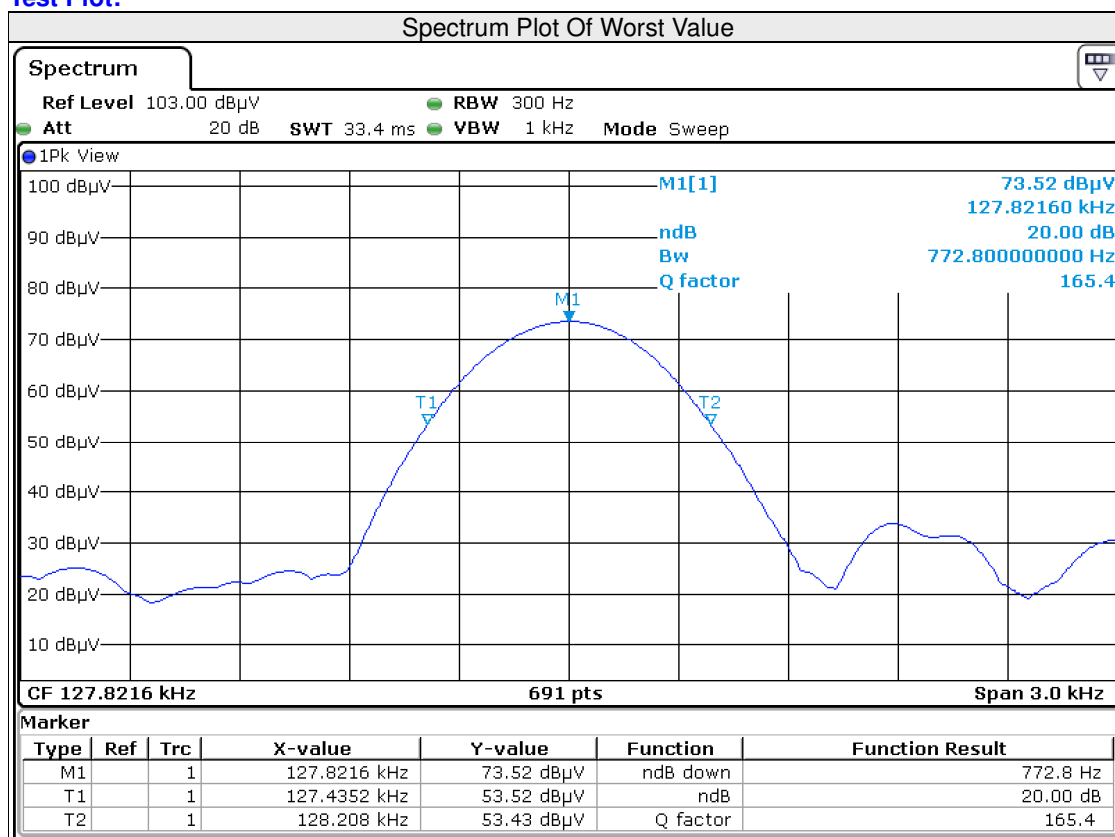
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
D	360(iPhone 16 Pro+iPhone 16 Pro)	777.1

Test Plot:



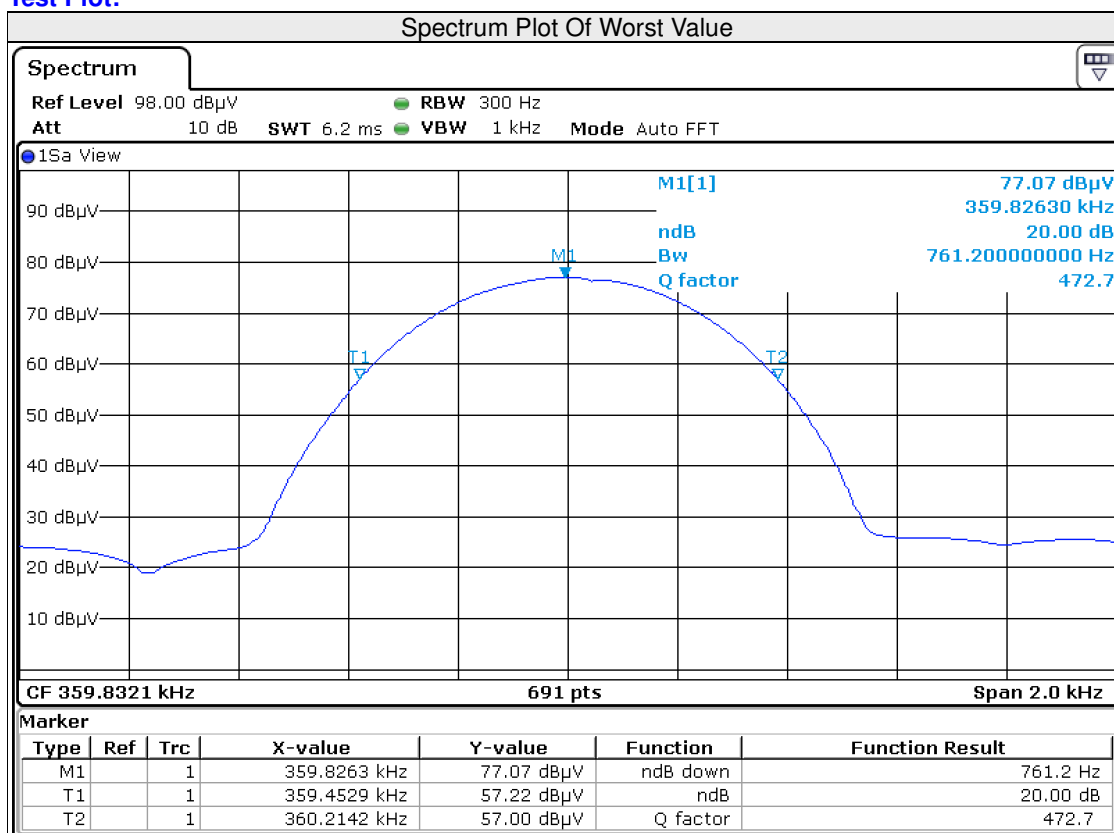
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
E	127.7(iPhone 16 Pro+AirPods Pod Pro Case)	772.8

Test Plot:



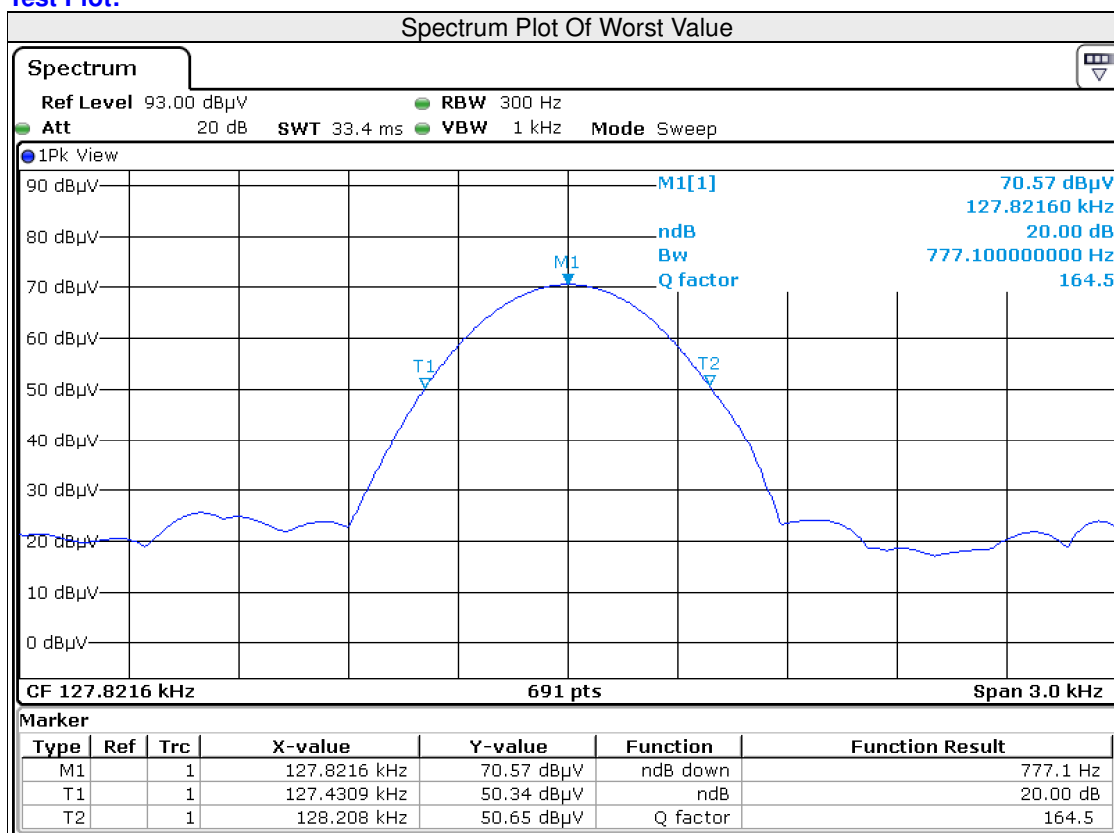
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
E	360(iPhone 16 Pro+AirPods Pod Pro Case)	761.2

Test Plot:



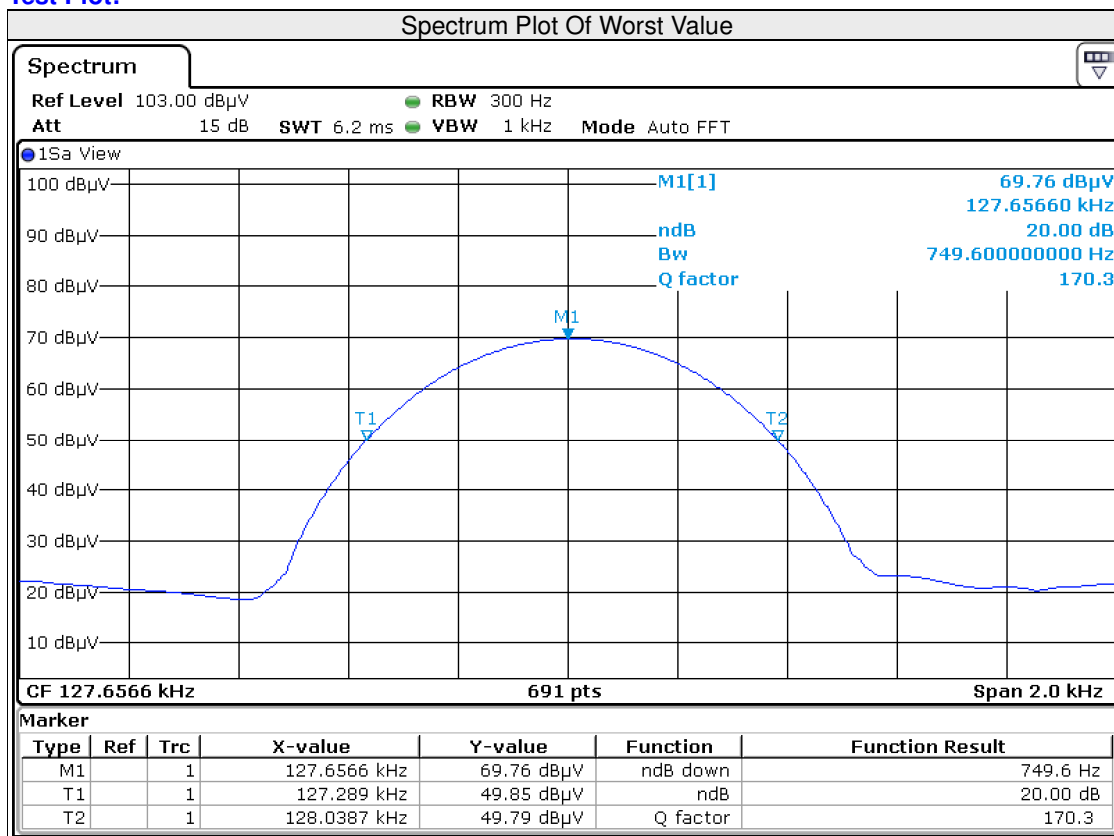
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
F	127.7(AirPods Pro Case + iPhone 11 Pro)	777.1

Test Plot:



Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
F	127.7(Charging Stand)	749.6

Test Plot:





Test Report No.: RF2410WDG0213

5 PHOTOGRAPHS OF THE TEST CONFIGURATION

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



Test Report No.: RF2410WDG0213

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---