

TEST REPORT

Applicant	Datalogic S.r.l.
Address	Via San Vitalino, 13 - 40012 Lippo di Calderara di Reno (BO) – Italy

Manufacturer or Supplier	NuVolta Technologies (Hefei) Co., Ltd.
Address	Room 605/606, No.2800, Building F-1, Innovation Industrial Park Phase 2, Innovation Avenue, High-tech Zone, Hefei, Anhui, PRC.
Product	Wireless Charging Module
Brand Name	Datalogic
Model	MODNVWLC
Additional Model & Model Difference	N/A
Date of tests	Oct. 08, 2025 ~ Nov. 13, 2025

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. 20, 2025

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Test Report No.: RF2510WDG0075

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF2510WDG0075	Original release	Nov. 20, 2025

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	2.48dB
	30MHz ~ 1GMHz	4.32 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	Wireless Charging Module
MODEL NO.	MODNVWLC
ADDITIONAL MODEL	N/A
SAMPLE STATUS	Engineering sample
FCC ID	U4G-MODNVWLC
POWER SUPPLY	Input DC 5V/9V/12V 2.5A
MODULATION TYPE	ASK/FSK
OPERATING FREQUENCY RANGE	15W Max Charging Coil (BPP/EPP): 111-147kHz
I/O PORTS	Coil Antenna*1
FIELD STRENGTH	83.02dBuV/m
MAXIMUM POWER OUTPUT FROM THE CHARGING COIL	Max Power is 15W
CABLE SUPPLIED	N/A

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.: 2510WDG0075) for detailed product photo.

3.2 DESCRIPTION OF TEST MODES

The following test frequencies are provided to this EUT:

Configure	Mode	Operating Frequency Range(KHz)	
	15W Coil	15W Coil	Remark
A	Standby+0mm	141.9	Input 9V
B	EPP 15W+0mm	138.2	Input 9V
C	EPP 10W+0mm	136.5	Input 9V
D	EPP 15W+7mm	123.4	Input 12V
E	EPP 10W+7mm	124.7	Input 12V

3.3 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO			DESCRIPTION	
	RE<1G	PLC	20BW	15W Coil	Remark
A	√	-	√	Standby+0mm	Input 9V
B	√	√	√	EPP 15W+0mm	Input 9V
C				EPP 10W+0mm	Input 9V
D				EPP 15W+7mm	Input 12V
E	√	√	√	EPP 10W+7mm	Input 12V

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
	15W Coil	15W Coil	
B	111-147	123.4	FSK/ASK

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
	15W Coil	15W Coil	
A	111-147	141.9	FSK/ASK
B	111-147	138.2	FSK/ASK
C	111-147	136.5	FSK/ASK
D	111-147	123.4	FSK/ASK
E	111-147	124.7	FSK/ASK



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
	15W Coil	15W Coil	
A	111-147	141.9	FSK/ASK
B	111-147	138.2	FSK/ASK
C	111-147	136.5	FSK/ASK
D	111-147	123.4	FSK/ASK
E	111-147	124.7	FSK/ASK

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	Zeke

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	15W RX Load (12V/9.6 Ω)	Nuvolta	RX_NU1619_V3.0	N/A	N/A	By Client
B	10W RX Load (12V/14.4 Ω)	Nuvolta	RX_NU1619_V3.0	N/A	N/A	By Client
C	Adapter	Belkin	WCA008	N/A	N/A	BV Lab.
D	Power Z	N/A	N/A	N/A	N/A	BV Lab.
E	7mm glass pane	N/A	N/A	N/A	N/A	BV Lab.
F	Adapter	CE-Link	PD36U-1TNA	N/A	N/A	BV Lab.

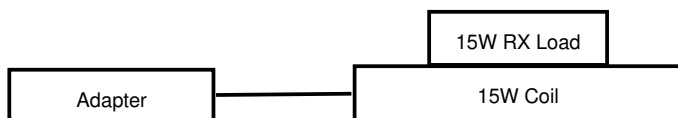
Description	Length (m)	Shielding (Y/N)	Remark
DC Line(Optional)	0.2	N	N/A

3.5 CONFIGURATION OF SYSTEM UNDER TEST

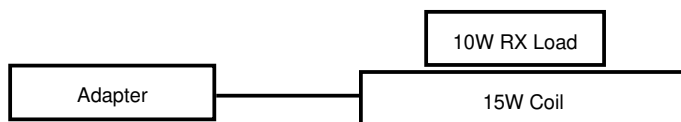
Mode A:



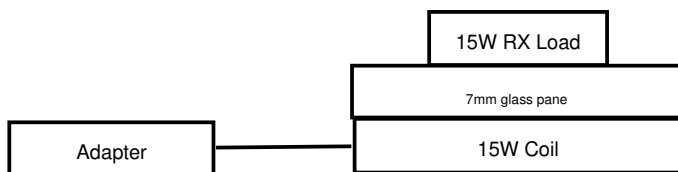
Mode B:



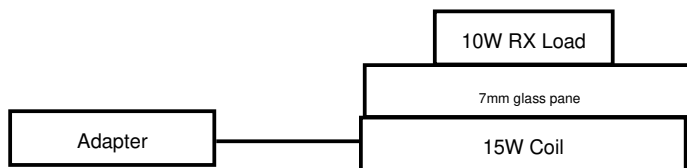
Mode C:



Mode D:



Mode E:



Note: The customer claimed that the usage distance range was 0mm to 7mm.



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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 C63.10-2020

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, 26
Artificial Mains Network	Rohde&Schwarz	ENV216	101173	Oct. 10, 26
Artificial Mains Network	Rohde&Schwarz	ESH3-Z5	100317	Oct. 10, 26
Artificial Mains Network	SCHWARZBECK	NSLK 8122	8122-05001	Apr. 09, 26
V-LISN (CISPR 25)	SCHWARZBECK	NNBM 8124-200	8124-200 05857	Apr. 09, 26
V-LISN (CISPR 25)	SCHWARZBECK	NNBM 8124-200	8124-200 05858	Apr. 09, 26
Voltage probe	SCHWARZBECK	TK 9421	TK 9421-176	Jul. 06, 26
Coaxial RF Cable	SUHNER	RG 223/U-CE	C2310066DG	Jun. 22, 26
Test software	ADT	ADT_Cond_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:

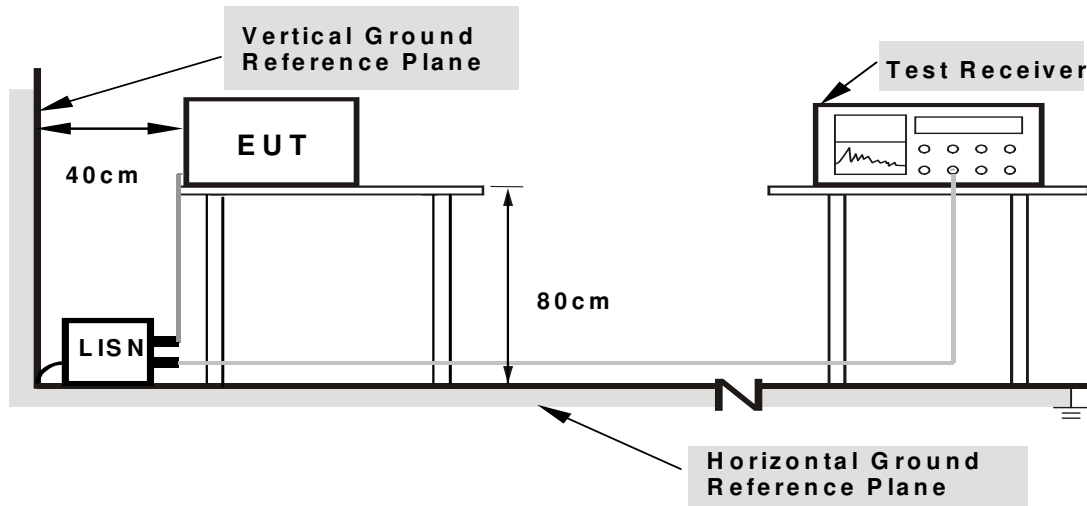
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission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

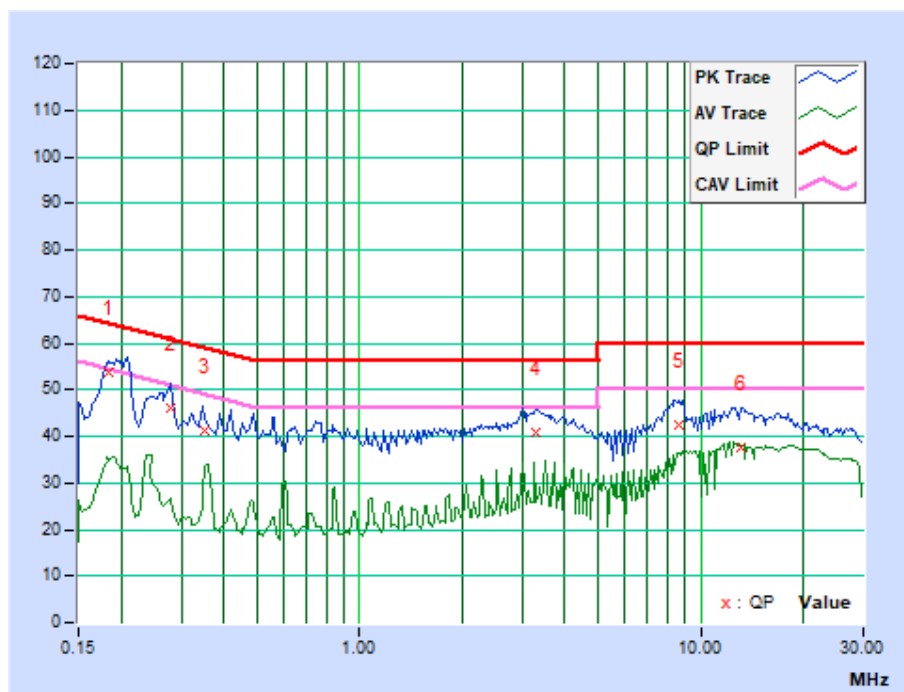
- Turned on the power of all equipment.
- EUT was operated according to the type description in manufacturer's specifications or the User's Manual.

4.1.7 TEST RESULTS

TEST MODE	Mode B	6DB BANDWIDTH	9 kHz
TEST VOLTAGE	AC 120V 60Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	25deg. C, 56% RH	TESTED BY	Summer
TEST DATE	2025-10-15		

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	0.18375	9.80	44.00	24.83	53.80	34.63	64.31	54.31	-10.52	-19.69
2	0.27825	9.80	36.36	17.04	46.16	26.84	60.87	50.87	-14.70	-24.02
3	0.35250	9.81	31.29	15.06	41.10	24.87	58.90	48.90	-17.80	-24.03
4	3.30225	10.02	30.91	17.71	40.93	27.73	56.00	46.00	-15.07	-18.27
5	8.64375	10.30	31.94	22.48	42.24	32.78	60.00	50.00	-17.76	-17.22
6	13.14375	10.59	27.04	18.75	37.63	29.34	60.00	50.00	-22.37	-20.66

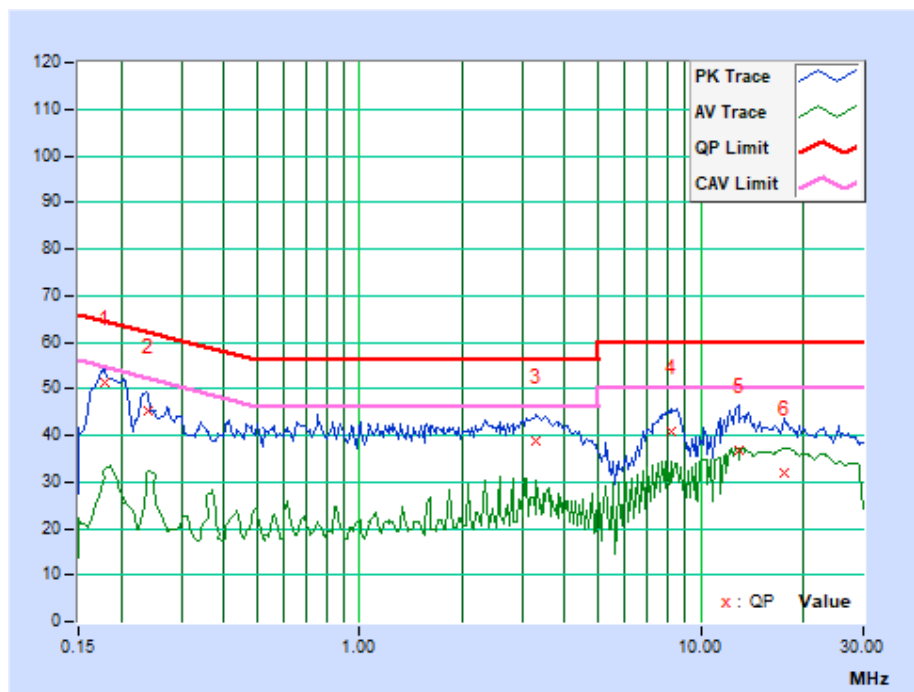
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	Mode B	6DB BANDWIDTH	9 kHz
TEST VOLTAGE	AC 120V 60Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	25deg. C, 56% RH	TESTED BY	Summer
TEST DATE	2025-10-15		

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	0.17833	9.77	41.55	21.57	51.32	31.34	64.56	54.56	-13.25	-23.23
2	0.24000	9.73	35.69	18.22	45.42	27.95	62.10	52.10	-16.67	-24.14
3	3.29550	9.88	28.96	15.64	38.84	25.52	56.00	46.00	-17.16	-20.48
4	8.22300	10.20	30.69	18.81	40.89	29.01	60.00	50.00	-19.11	-20.99
5	12.89625	10.54	26.18	16.35	36.72	26.89	60.00	50.00	-23.28	-23.11
6	17.56050	11.19	20.93	13.86	32.12	25.05	60.00	50.00	-27.88	-24.95

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	Nov. 28, 25
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	1519B-045	May 10, 26
Amplifier	Burgeon	BPA-530	100210	Feb. 21, 26
Coaxial RF Cable	Yaohong	Cable below 30MHz	C2310019DG	Jun. 26, 26
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. Designation Number: CN1174.

FREQUENCY 30MHz-1GHz

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESU40	100449	Oct. 09, 26
Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	9168-554	Dec. 25, 25
Pre-Amplifier	Burgeon	BPA-530	100220	Feb. 21, 26
3m Semi-anechoic Chamber	Burgeon	9m*6m*6m	NSEMC003	May 17, 26
Coaxial RF Cable(3m Below 1G)	Yaohong	966 below 1GHz	C2310017DG	Jun. 22, 26
Coaxial RF Cable(3m Below 1G)	Yaohong	966 below 1GHz	C2310087DG	Jun. 22, 26
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. Designation Number: CN1174.

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:

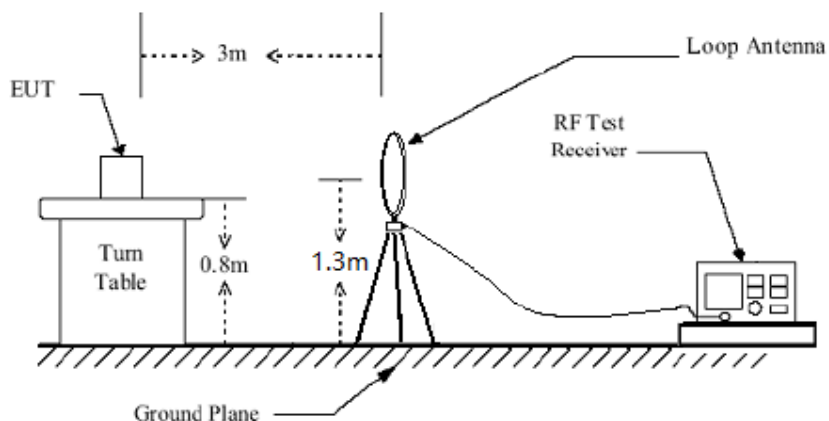
1. The resolution bandwidth of test receiver/spectrum analyzer is 200Hz for Quasi-peak detection (QP/AV) at fundamental frequency 9K-150KHz;
2. The resolution bandwidth of test receiver/spectrum analyzer is 9KHz for Quasi-peak detection (QP/AV) at fundamental frequency 150K-30MHz;
3. The resolution bandwidth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

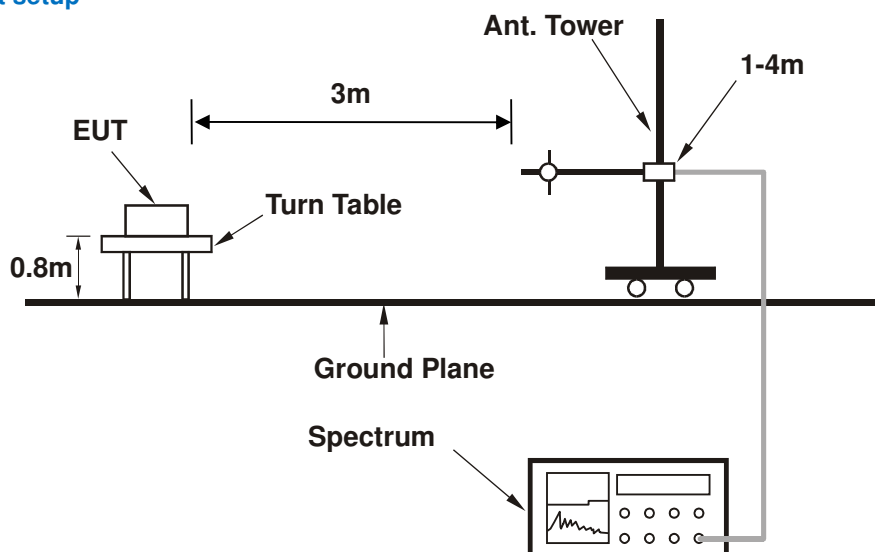
No deviation.

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.

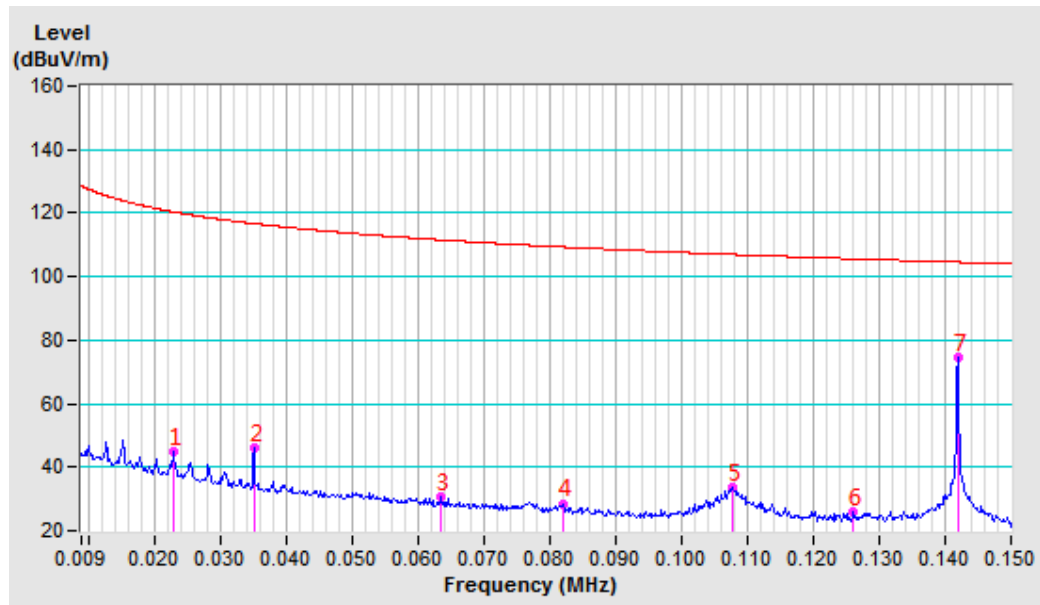


4.2.7 TEST RESULTS

Standby Mode

Test Mode	A	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% R	Tested By	Albert
Test date	2025-10-20	Remark	Input 9V

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	0.0230AV	-10.97	55.68	44.71	120.37	-75.66	130	178
2	0.0352AV	-11.48	57.53	46.05	116.68	-70.63	130	218
3	0.0635AV	-11.58	42.01	30.43	111.55	-81.12	130	118
4	0.0820AV	-11.69	40.26	28.57	109.33	-80.76	130	55
5	0.1077QP	-11.80	45.20	33.40	106.96	-73.56	130	317
6	0.1260AV	-11.78	37.63	25.85	105.60	-79.75	130	326
7	0.1419AV	-11.78	86.18	74.40	104.56	-30.16	130	269





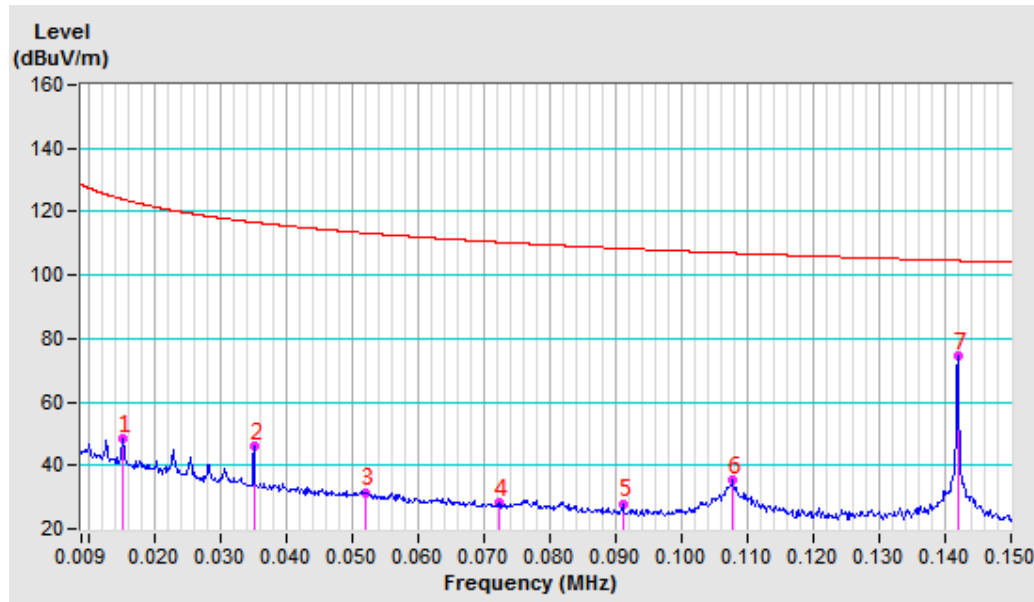
BUREAU
VERITAS

Test Report No.: RF2510WDG0075

Test Mode	A	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% R	Tested By	Albert
Test date	2025-10-20	Remark	Input 9V

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	0.0153AV	-10.42	58.61	48.19	123.89	-75.70	130	84
2	0.0352AV	-11.48	57.34	45.86	116.68	-70.82	130	253
3	0.0521AV	-11.52	42.92	31.40	113.27	-81.87	130	45
4	0.0723AV	-11.63	39.85	28.22	110.42	-82.20	130	262
5	0.0912QP	-11.75	39.57	27.82	108.40	-80.58	130	264
6	0.1078QP	-11.80	46.99	35.19	106.95	-71.76	130	281
7	0.1419AV	-11.78	86.22	74.44	104.56	-30.12	130	267





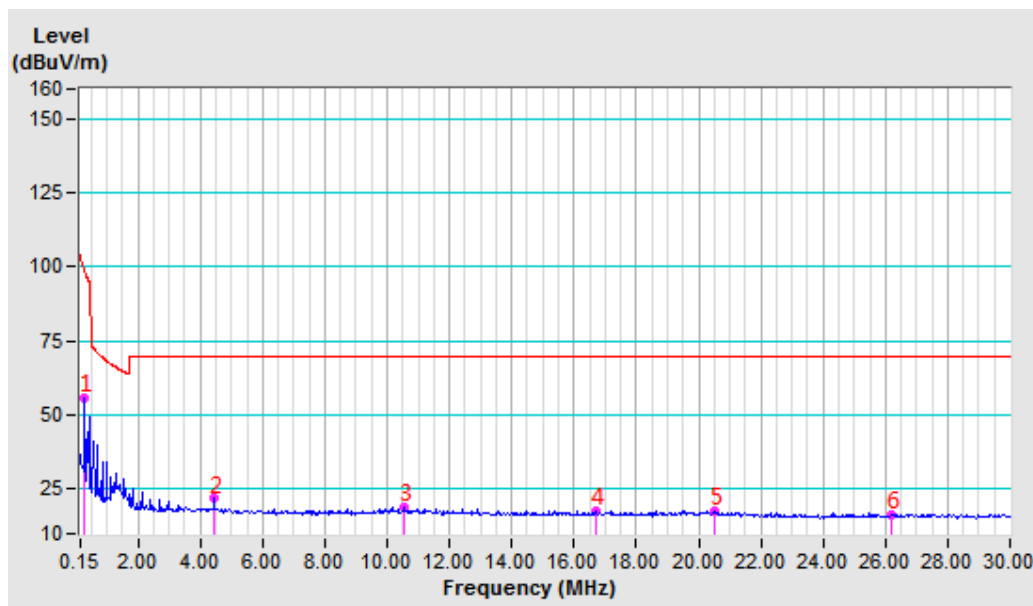
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Test Report No.: RF2510WDG0075

Test Mode	A	Frequency Range	150 kHz ~ 30MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% R	Tested By	Albert
Test date	2025-10-20	Remark	Input 9V

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	0.2828AV	-11.55	67.35	55.80	98.57	-42.77	130	279
2	4.4337QP	-11.56	33.36	21.80	69.54	-47.74	130	223
3	10.5726QP	-11.64	30.58	18.94	69.54	-50.60	130	257
4	16.7116QP	-11.55	29.06	17.51	69.54	-52.03	130	286
5	20.5147QP	-11.14	28.61	17.47	69.54	-52.07	130	124
6	26.1820QP	-11.20	27.67	16.47	69.54	-53.07	130	124



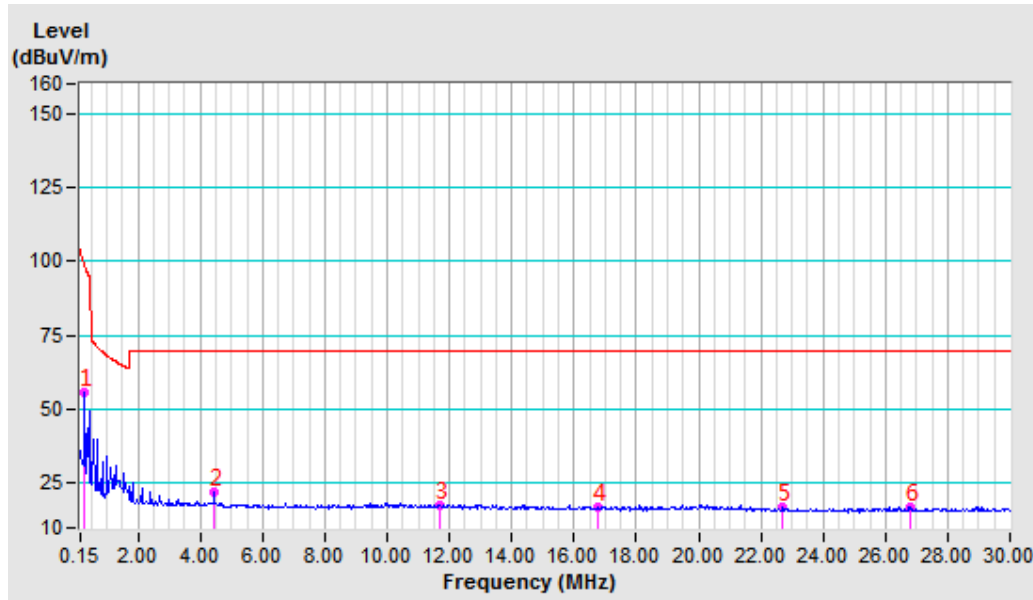


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Test Report No.: RF2510WDG0075

Test Mode	A	Frequency Range	150 kHz ~ 30MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% R	Tested By	Albert
Test date	2025-10-20	Remark	Input 9V

ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correctio n Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.2828AV	-11.55	67.54	55.99	98.57	-42.58	130	248
2	4.4322QP	-11.56	33.60	22.04	69.54	-47.50	130	201
3	11.6757QP	-11.65	29.43	17.78	69.54	-51.76	130	318
4	16.7430QP	-11.55	28.81	17.26	69.54	-52.28	130	138
5	22.7162QP	-11.45	28.43	16.98	69.54	-52.56	130	204
6	26.7731QP	-11.25	28.56	17.31	69.54	-52.23	130	67

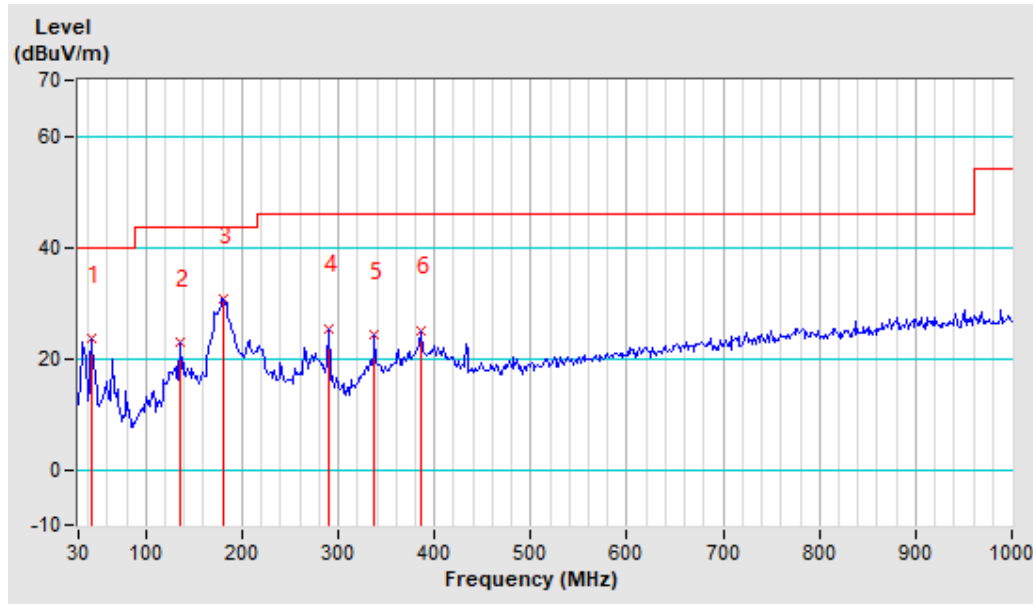




Test Mode	A	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	26deg. C, 51% RH	Tested By	Ludius
Test date	2025-10-15	Remark	Input 9V

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	-17.81	41.21	23.40	40.00	-16.60	177	0
2	135.71	-17.60	40.34	22.74	43.50	-20.76	159	0
3	180.79	-18.41	48.95	30.54	43.50	-12.96	146	0
4	289.60	-15.58	40.75	25.17	46.00	-20.83	105	344
5	337.79	-14.56	38.64	24.08	46.00	-21.92	116	356
6	385.98	-12.94	37.90	24.96	46.00	-21.04	128	0

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





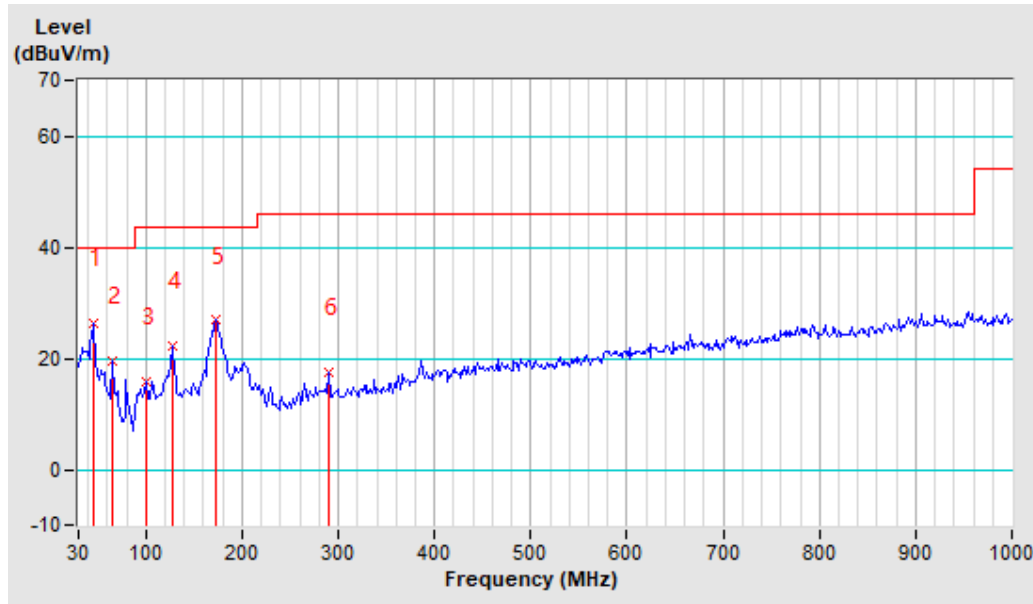
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Test Report No.: RF2510WDG0075

Test Mode	A	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	25deg. C, 56% RH	Tested By	Ludius
Test date	2025-10-15	Remark	Input 9V

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	-17.81	44.10	26.29	40.00	-13.71	139	283
2	65.75	-18.40	37.85	19.45	40.00	-20.55	159	264
3	99.95	-21.55	37.43	15.88	43.50	-27.62	172	251
4	127.93	-18.56	40.85	22.29	43.50	-21.21	185	238
5	173.01	-17.62	44.47	26.85	43.50	-16.65	198	225
6	289.60	-15.58	33.01	17.43	46.00	-28.57	212	211

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





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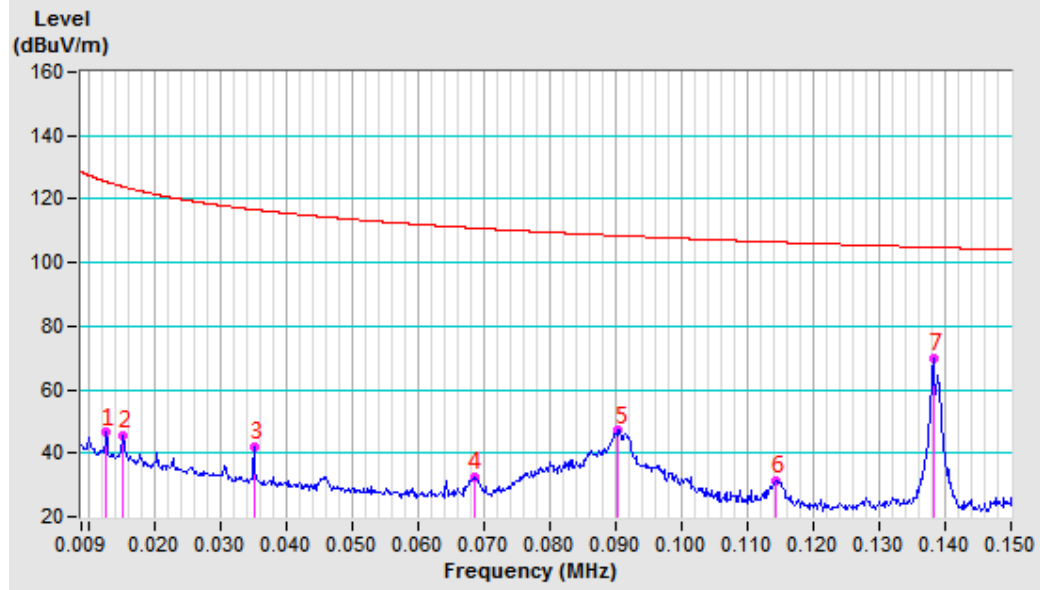
Test Report No.: RF2510WDG0075

Charging Mode

Test Mode	B	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% R	Tested By	Albert
Test Date	2025-11-12	Remark	Input 9V

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	0.0128AV	-10.23	56.82	46.59	125.45	-78.86	130	247
2	0.0154AV	-10.42	56.17	45.75	123.87	-78.12	130	172
3	0.0352AV	-11.48	53.52	42.04	116.67	-74.63	130	154
4	0.0685AV	-11.61	44.12	32.51	110.88	-78.37	130	180
5	0.0905QP	-11.74	59.05	47.31	108.47	-61.16	130	172
6	0.1142QP	-11.80	43.24	31.44	106.45	-75.01	130	174
7	0.1382AV	-11.78	81.70	69.92	104.79	-34.87	130	194





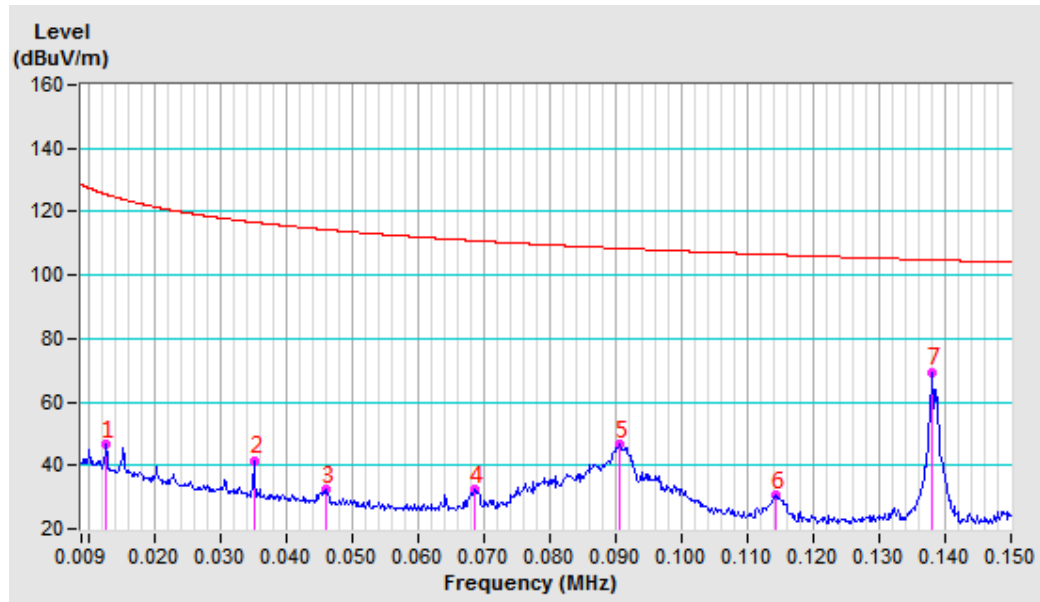
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Test Report No.: RF2510WDG0075

Test Mode	B	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% R	Tested By	Albert
Test Date	2025-11-12	Remark	Input 9V

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	0.0128AV	-10.23	56.73	46.50	125.45	-78.95	130	144
2	0.0352AV	-11.48	52.95	41.47	116.67	-75.20	130	10
3	0.0460AV	-11.50	43.85	32.35	114.35	-82.00	130	157
4	0.0686AV	-11.61	43.91	32.30	110.88	-78.58	130	159
5	0.0905QP	-11.74	58.33	46.59	108.47	-61.88	130	178
6	0.1143QP	-11.80	42.28	30.48	106.44	-75.96	130	167
7	0.1379AV	-11.78	81.15	69.37	104.81	-35.44	130	191





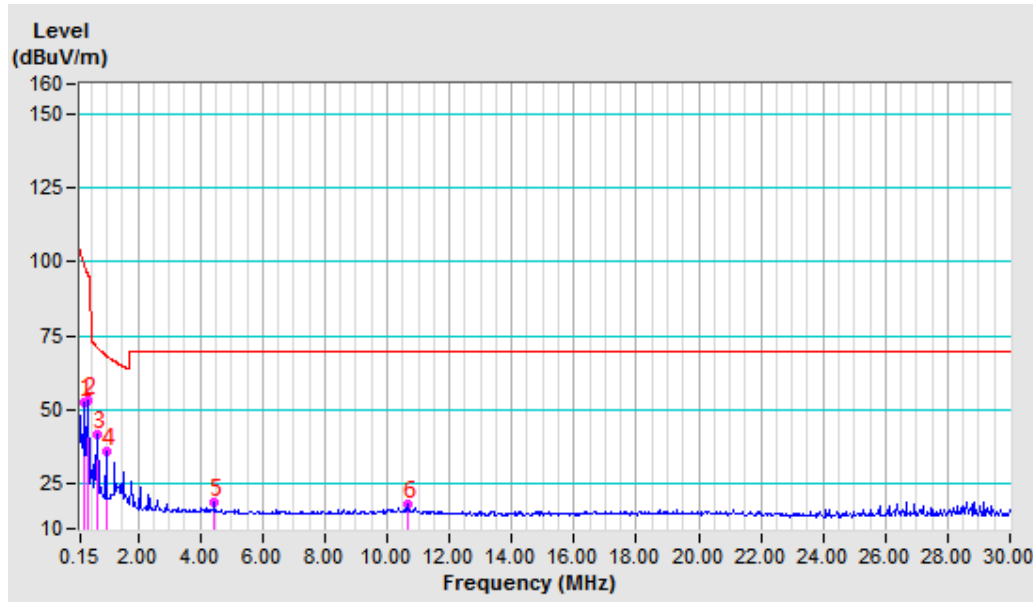
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Test Report No.: RF2510WDG0075

Test Mode	B	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% R	Tested By	Albert
Test Date	2025-11-12	Remark	Input 9V

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	0.2754AV	-11.55	64.07	52.52	98.80	-46.28	130	260
2	0.4142AV	-11.53	64.99	53.46	95.26	-41.80	130	195
3	0.6903QP	-11.76	53.84	42.08	71.10	-29.02	130	203
4	0.9664QP	-11.94	48.00	36.06	68.45	-32.39	130	208
5	4.4322QP	-11.56	30.77	19.21	69.54	-50.33	130	360
6	10.6368QP	-11.65	30.19	18.54	69.54	-51.00	130	33



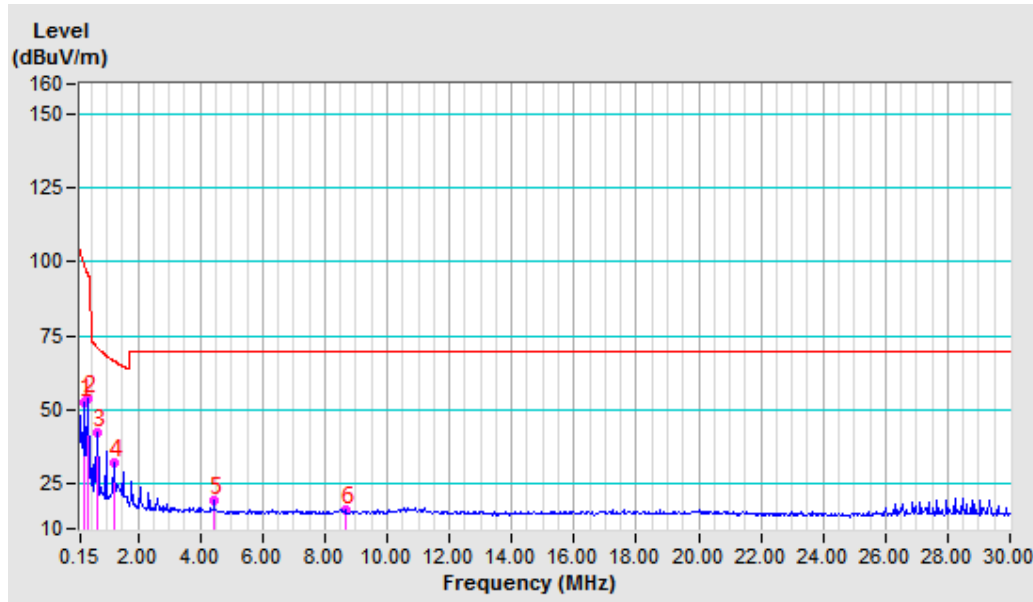


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Test Report No.: RF2510WDG0075

Test Mode	B	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% R	Tested By	Albert
Test Date	2025-11-12	Remark	Input 9V

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	0.2754AV	-11.55	64.25	52.70	98.80	-46.10	130	274
2	0.4142AV	-11.53	65.18	53.65	95.26	-41.61	130	198
3	0.6903QP	-11.76	53.97	42.21	71.10	-28.89	130	200
4	1.2441QP	-11.89	44.11	32.22	66.45	-34.23	130	201
5	4.4337QP	-11.56	31.04	19.48	69.54	-50.06	130	11
6	8.6472QP	-11.67	27.92	16.25	69.54	-53.29	130	278



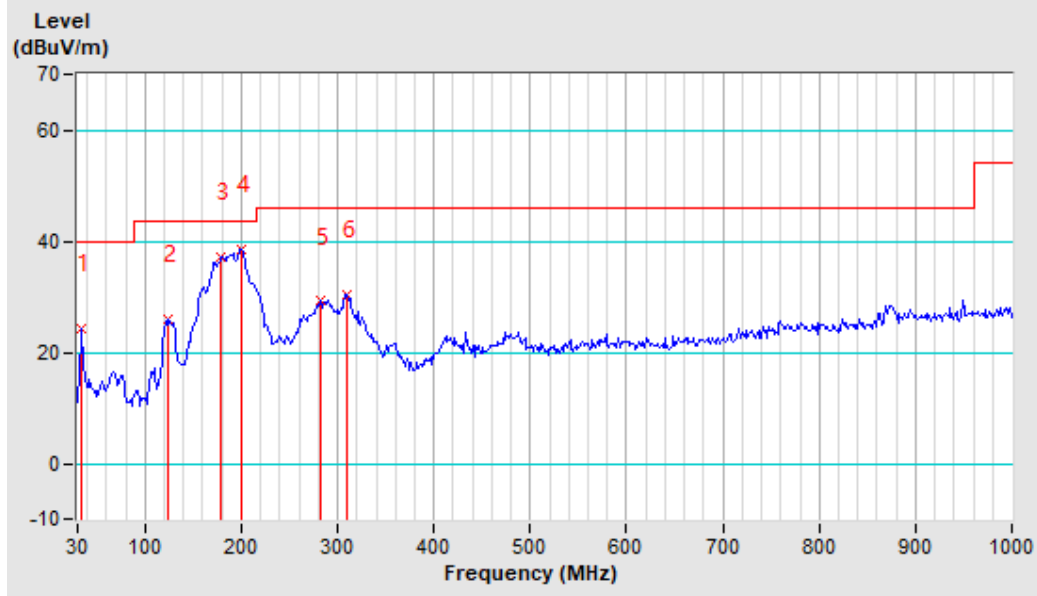


Test Mode	B	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	26deg. C, 51% RH	Tested By	Ludius
Test date	2025-11-10	Remark	Input 9V

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	34.66	-18.77	43.05	24.28	40.00	-15.72	234	64
2	123.27	-19.21	45.08	25.87	43.50	-17.63	276	74
3	179.23	-18.25	55.46	37.21	43.50	-6.29	163	44
4	200.99	-19.72	58.34	38.62	43.50	-4.88	100	1
5	281.83	-15.89	45.09	29.20	46.00	-16.80	400	64
6	309.81	-15.00	45.29	30.29	46.00	-15.71	100	0

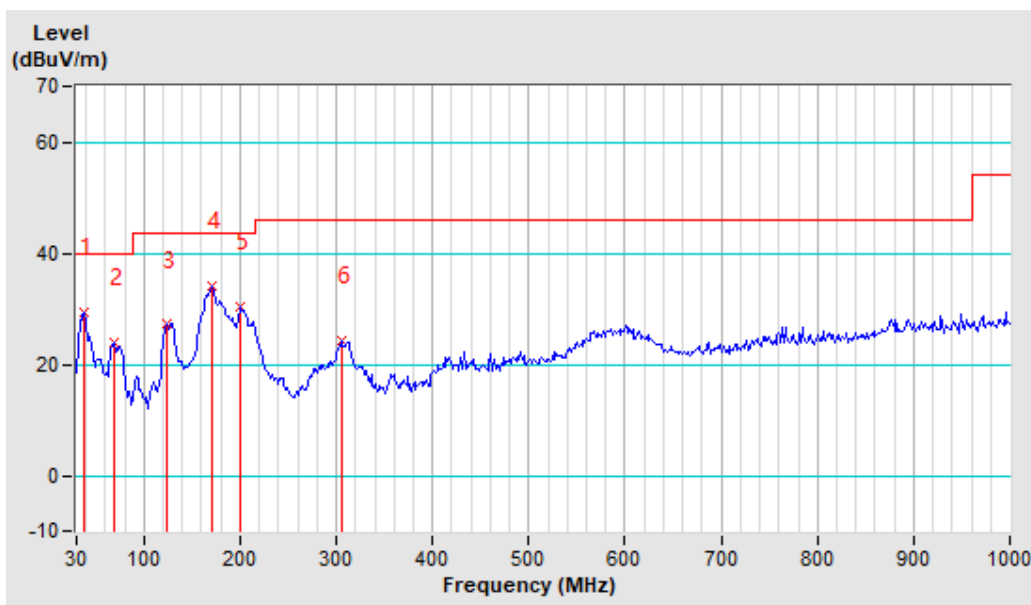
- REMARKS:** 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions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



Test Mode	B	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	26deg. C, 51% RH	Tested By	Ludius
Test date	2025-11-10	Remark	Input 9V

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	37.77	-18.63	48.02	29.39	40.00	-10.61	234	43
2	68.86	-19.08	43.07	23.99	40.00	-16.01	156	74
3	124.82	-18.99	46.15	27.16	43.50	-16.34	100	0
4	171.46	-17.45	51.57	34.12	43.50	-9.38	326	76
5	200.99	-19.72	50.01	30.29	43.50	-13.21	400	75
6	305.14	-15.09	39.28	24.19	46.00	-21.81	236	65

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.





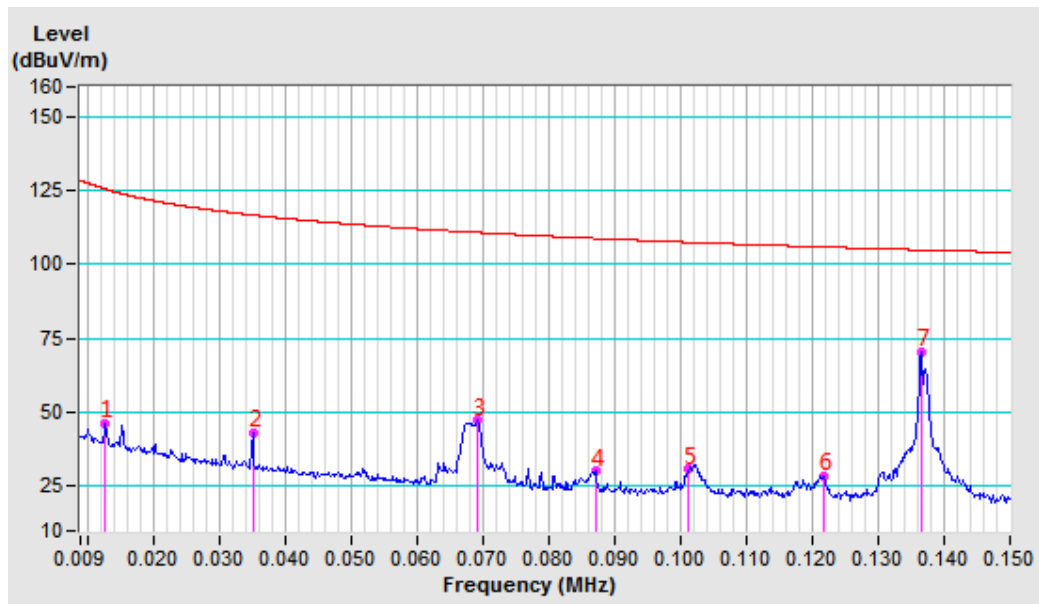
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Test Report No.: RF2510WDG0075

Test Mode	C	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% R	Tested By	Albert
Test Date	2025-11-12	Remark	Input 9V

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	0.0128AV	-10.23	56.31	46.08	125.47	-79.39	130	114
2	0.0352AV	-11.48	54.37	42.89	116.67	-73.78	130	291
3	0.0692AV	-11.62	58.83	47.21	110.80	-63.59	130	178
4	0.0871AV	-11.72	41.81	30.09	108.80	-78.71	130	183
5	0.1013QP	-11.80	42.49	30.69	107.49	-76.80	130	159
6	0.1217AV	-11.80	40.51	28.71	105.89	-77.18	130	174
7	0.1365AV	-11.78	82.34	70.56	104.90	-34.34	130	323





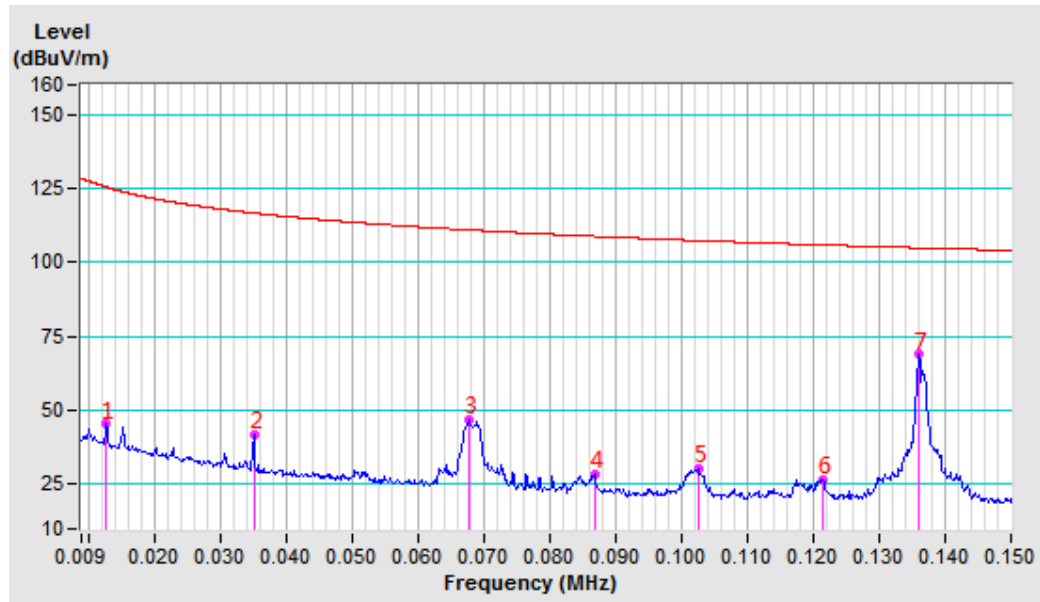
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VERITAS

Test Report No.: RF2510WDG0075

Test Mode	C	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% R	Tested By	Albert
Test Date	2025-11-12	Remark	Input 9V

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	0.0128AV	-10.23	55.59	45.36	125.46	-80.10	130	252
2	0.0352AV	-11.48	53.35	41.87	116.67	-74.80	130	21
3	0.0677AV	-11.61	58.55	46.94	110.99	-64.05	130	153
4	0.0868AV	-11.72	40.16	28.44	108.83	-80.39	130	165
5	0.1025QP	-11.80	42.10	30.30	107.39	-77.09	130	184
6	0.1215AV	-11.80	38.54	26.74	105.91	-79.17	130	161
7	0.1359AV	-11.78	80.62	68.84	104.94	-36.10	130	322



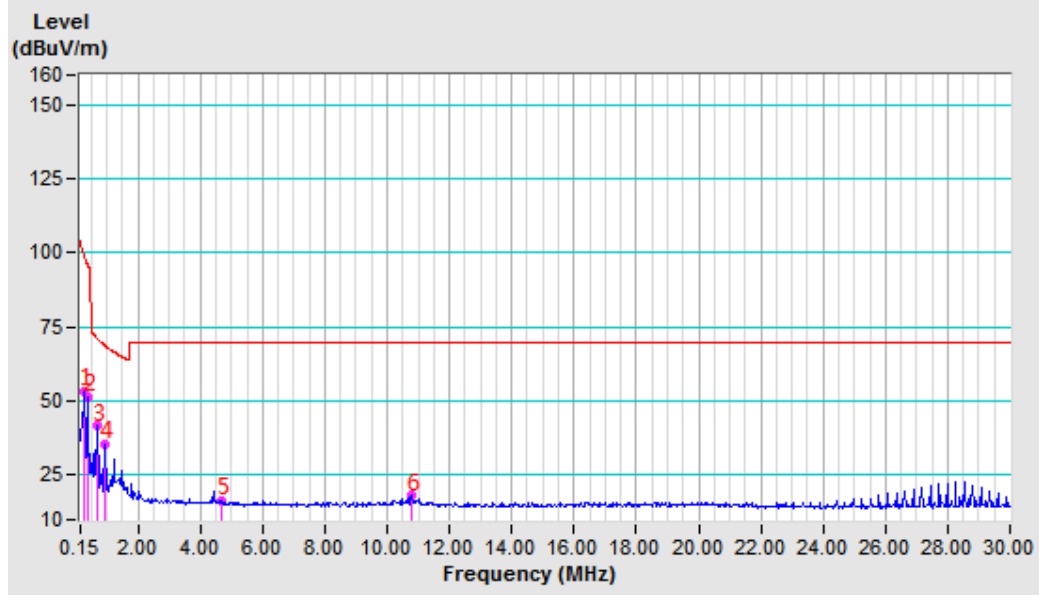


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Test Report No.: RF2510WDG0075

Test Mode	C	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% R	Tested By	Albert
Test Date	2025-11-12	Remark	Input 9V

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	0.2724AV	-11.58	64.61	53.03	98.90	-45.87	130	250
2	0.4082AV	-11.52	62.86	51.34	95.39	-44.05	130	316
3	0.6814QP	-11.75	53.23	41.48	71.20	-29.72	130	301
4	0.9545QP	-11.94	47.27	35.33	68.54	-33.21	130	288
5	4.7098QP	-11.57	28.11	16.54	69.54	-53.00	130	38
6	10.7831QP	-11.64	29.64	18.00	69.54	-51.54	130	72



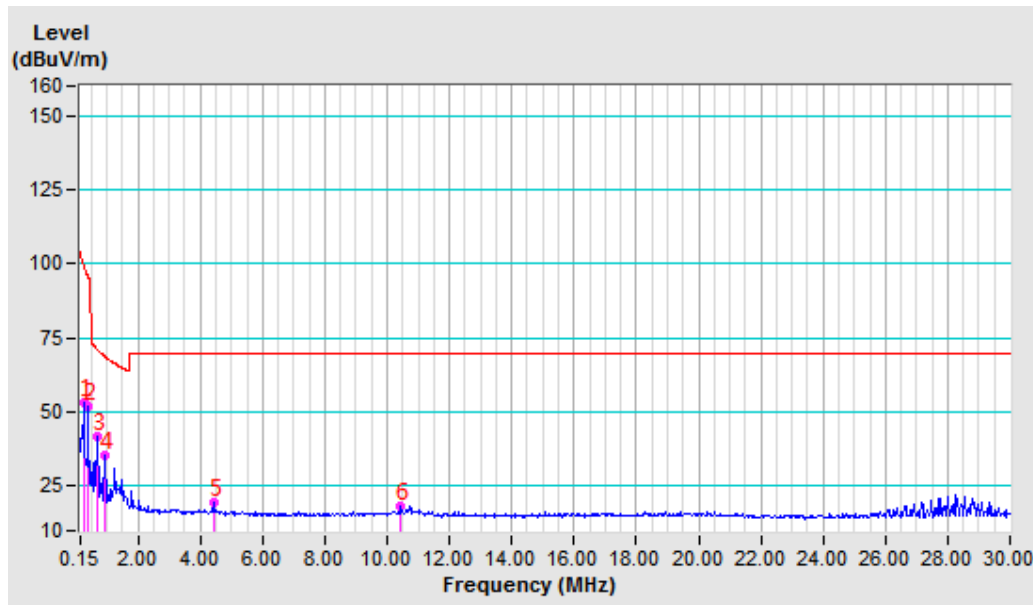


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Test Report No.: RF2510WDG0075

Test Mode	C	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% R	Tested By	Albert
Test Date	2025-11-12	Remark	Input 9V

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	0.2724AV	-11.58	64.97	53.39	98.90	-45.51	130	261
2	0.4097AV	-11.52	63.40	51.88	95.35	-43.47	130	320
3	0.6828QP	-11.75	53.66	41.91	71.18	-29.27	130	305
4	0.9560QP	-11.94	47.35	35.41	68.53	-33.12	130	305
5	4.4337QP	-11.56	31.08	19.52	69.54	-50.02	130	180
6	10.4368QP	-11.64	30.12	18.48	69.54	-51.06	130	28





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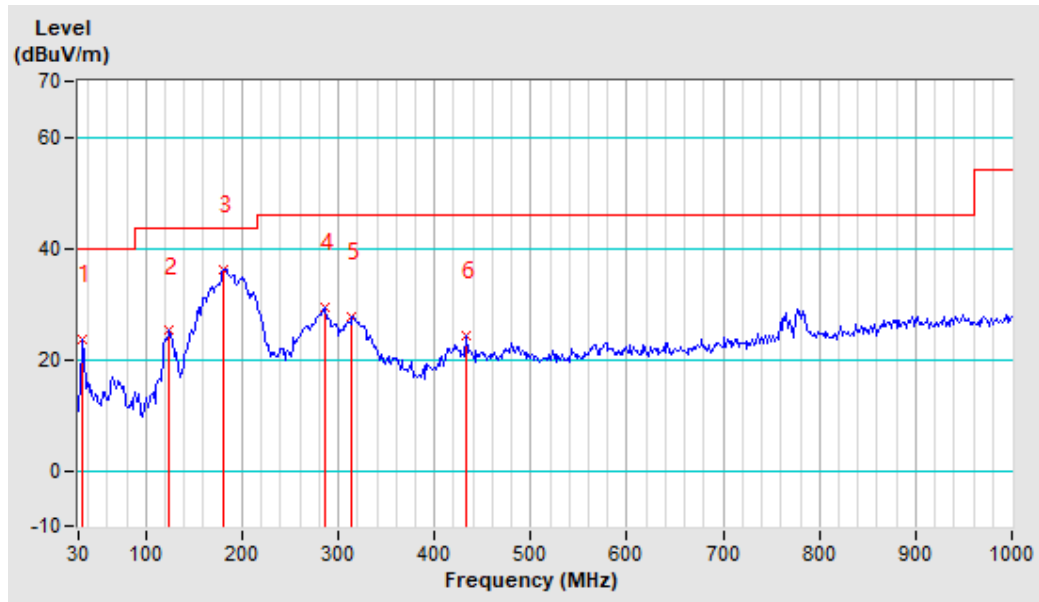
Test Report No.: RF2510WDG0075

Test Mode	C	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	26deg. C, 51% RH	Tested By	Ludius
Test date	2025-11-10	Remark	Input 9V

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	34.66	-18.77	42.40	23.63	40.00	-16.37	234	54
2	124.82	-18.99	44.10	25.11	43.50	-18.39	100	0
3	180.79	-18.41	54.55	36.14	43.50	-7.36	267	85
4	286.49	-15.71	45.06	29.35	46.00	-16.65	100	0
5	314.47	-14.93	42.53	27.60	46.00	-18.40	325	65
6	432.61	-11.30	35.54	24.24	46.00	-21.76	166	33

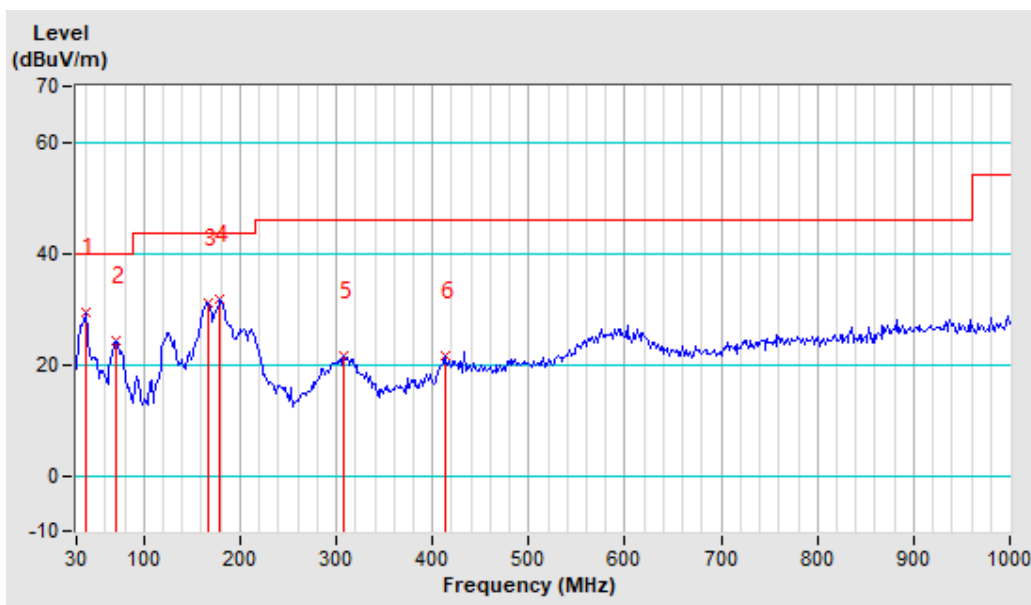
- REMARKS:** 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions 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	26deg. C, 51% RH	Tested By	Ludius
Test date	2025-11-10	Remark	Input 9V

Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	39.33	-18.49	47.75	29.26	40.00	-10.74	234	43
2	70.42	-19.48	43.72	24.24	40.00	-15.76	100	0
3	166.79	-17.10	48.27	31.17	43.50	-12.33	100	0
4	179.23	-18.25	49.93	31.68	43.50	-11.82	325	16
5	308.25	-15.03	36.72	21.69	46.00	-24.31	325	65
6	412.40	-11.99	33.66	21.67	46.00	-24.33	156	18

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.





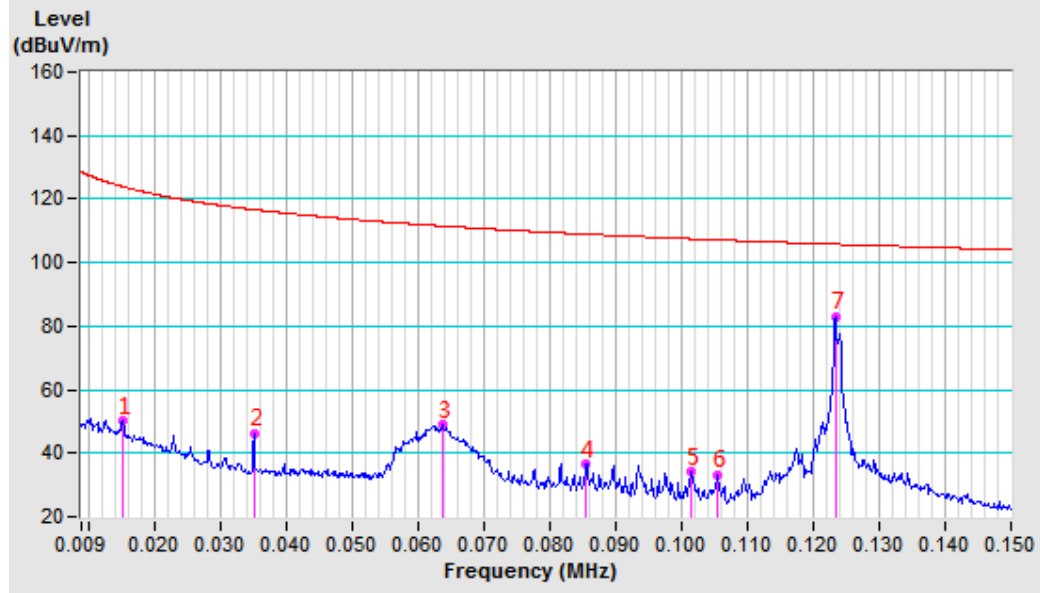
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Test Report No.: RF2510WDG0075

Test Mode	D	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% R	Tested By	Albert
Test Date	2025-10-20	Remark	Input 12V

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	0.0154AV	-10.42	60.40	49.98	123.86	-73.88	130	292
2	0.0352AV	-11.48	57.75	46.27	116.67	-70.40	130	151
3	0.0637AV	-11.58	60.53	48.95	111.52	-62.57	130	74
4	0.0855AV	-11.71	48.22	36.51	108.96	-72.45	130	291
5	0.1016QP	-11.80	45.85	34.05	107.47	-73.42	130	280
6	0.1055QP	-11.79	45.03	33.24	107.14	-73.90	130	240
7	0.1234AV	-11.80	94.82	83.02	105.78	-22.76	130	262





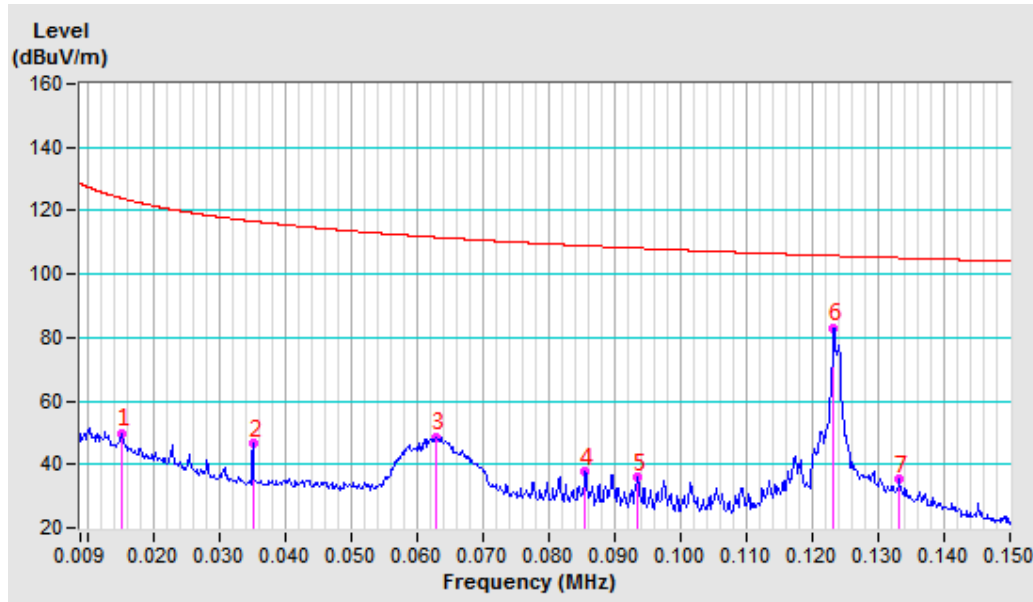
BUREAU
VERITAS

Test Report No.: RF2510WDG0075

Test Mode	D	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% R	Tested By	Albert
Test Date	2025-10-20	Remark	Input 12V

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	0.0154AV	-10.42	60.35	49.93	123.88	-73.95	130	221
2	0.0352AV	-11.48	58.11	46.63	116.68	-70.05	130	215
3	0.0630AV	-11.58	60.29	48.71	111.62	-62.91	130	53
4	0.0856AV	-11.71	49.42	37.71	108.96	-71.25	130	274
5	0.0936QP	-11.76	47.59	35.83	108.17	-72.34	130	273
6	0.1232AV	-11.80	94.82	83.02	105.79	-22.77	130	266
7	0.1331AV	-11.79	47.03	35.24	105.12	-69.88	130	60



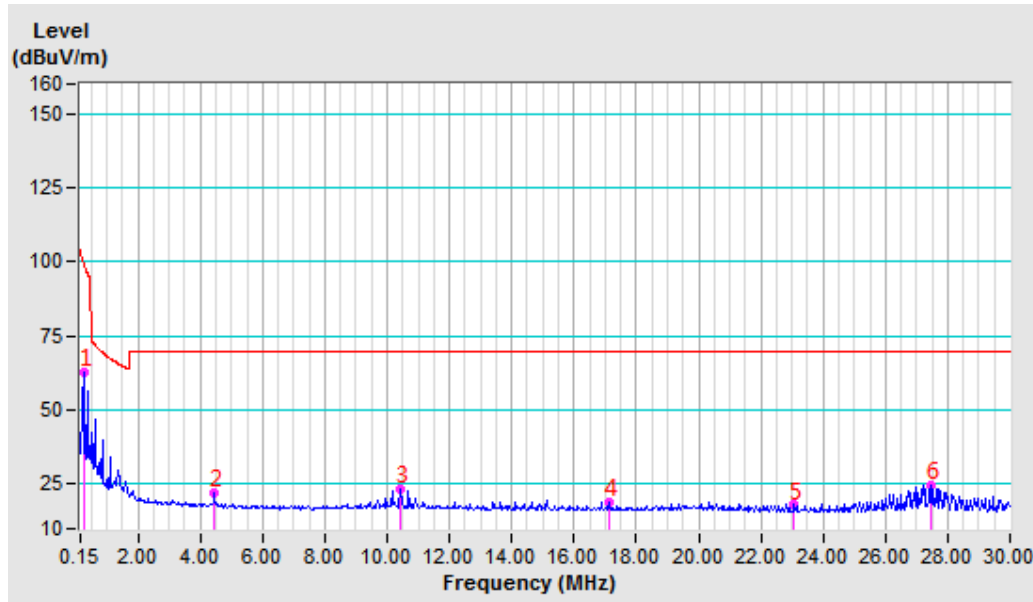


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VERITAS

Test Report No.: RF2510WDG0075

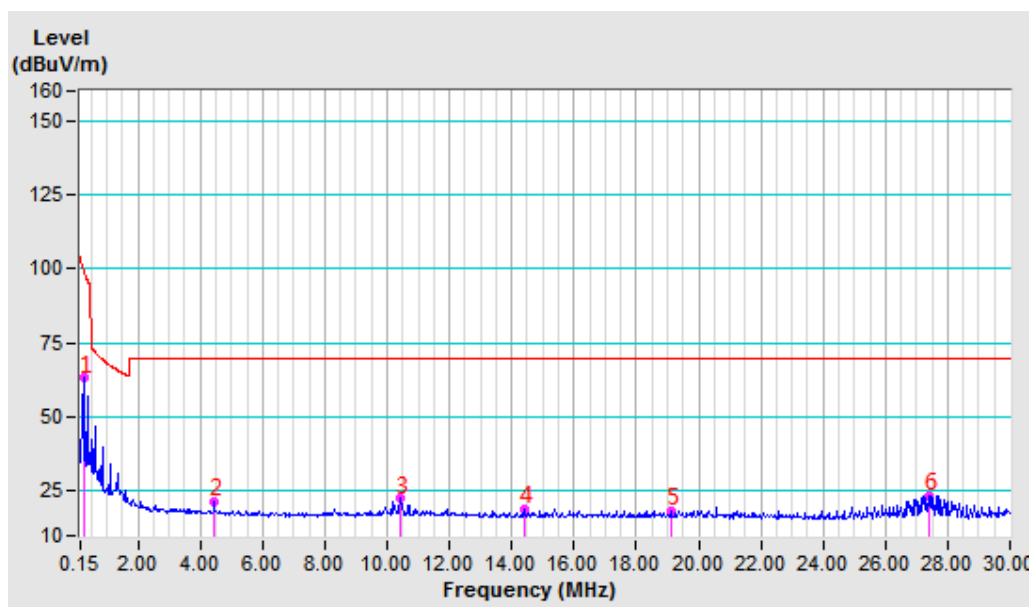
Test Mode	D	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% R	Tested By	Albert
Test Date	2025-10-20	Remark	Input 12V

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	0.2455AV	-11.60	74.65	63.05	99.80	-36.75	130	119
2	4.4337QP	-11.56	33.62	22.06	69.54	-47.48	130	47
3	10.4174QP	-11.65	35.24	23.59	69.54	-45.95	130	118
4	17.1146QP	-11.50	30.43	18.93	69.54	-50.61	130	76
5	23.067QP	-11.45	29.44	17.99	69.54	-51.55	130	244
6	27.4761QP	-11.30	36.08	24.78	69.54	-44.76	130	314



Test Mode	D	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% R	Tested By	Albert
Test Date	2025-10-20	Remark	Input 12V

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	0.2455AV	-11.60	74.70	63.10	99.80	-36.70	130	118
2	4.4337QP	-11.56	33.24	21.68	69.54	-47.86	130	27
3	10.4174QP	-11.65	34.05	22.40	69.54	-47.14	130	360
4	14.3862QP	-11.73	30.45	18.72	69.54	-50.82	130	89
5	19.0982QP	-11.21	29.34	18.13	69.54	-51.41	130	98
6	27.3910QP	-11.30	34.78	23.48	69.54	-46.06	130	250

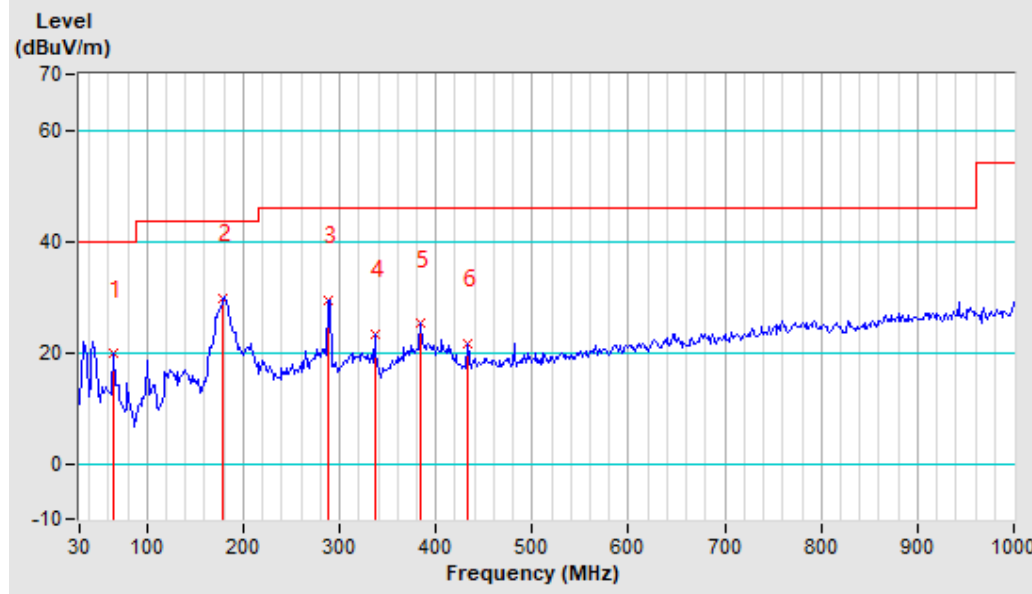




Test Mode	D	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	26deg. C, 51% RH	Tested By	Ludius
Test date	2025-10-15	Remark	Input 12V

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	65.75	-18.40	38.13	19.73	40.00	-20.27	141	276
2	179.23	-18.25	48.06	29.81	43.50	-13.69	155	263
3	288.04	-15.65	45.02	29.37	46.00	-16.63	168	250
4	336.23	-14.59	37.98	23.39	46.00	-22.61	215	203
5	384.42	-13.00	38.12	25.12	46.00	-20.88	181	236
6	432.61	-11.30	32.82	21.52	46.00	-24.48	200	218

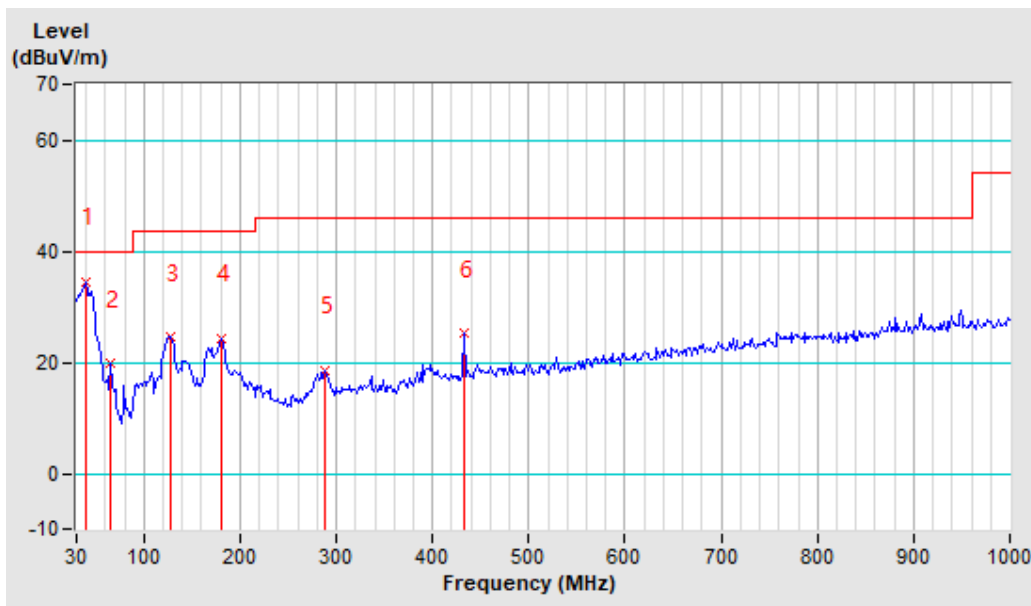
- REMARKS:** 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions 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	26deg. C, 51% RH	Tested By	Ludius
Test date	2025-10-15	Remark	Input 12V

Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	39.33	-18.49	52.82	34.33	40.00	-5.67	116	28
2	65.75	-18.40	38.06	19.66	40.00	-20.34	197	0
3	127.93	-18.56	42.98	24.42	43.50	-19.08	132	12
4	180.79	-18.41	42.80	24.39	43.50	-19.11	149	0
5	288.04	-15.65	34.11	18.46	46.00	-27.54	179	0
6	432.61	-11.30	36.43	25.13	46.00	-20.87	162	0

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





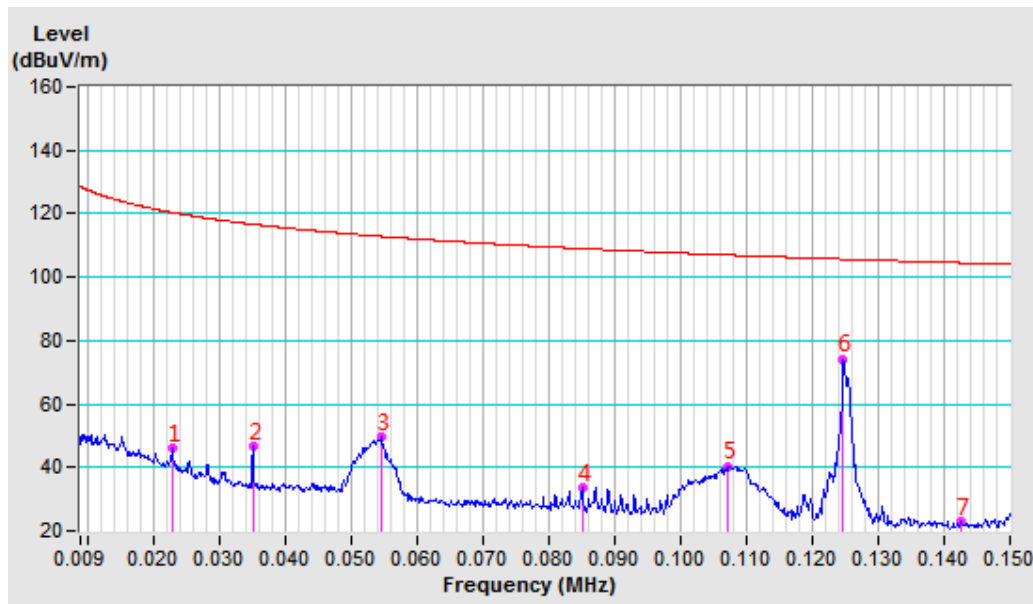
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Test Report No.: RF2510WDG0075

Test Mode	E	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% R	Tested By	Albert
Test Date	2025-10-20	Remark	Input 12V

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	0.0230AV	-10.96	56.86	45.90	120.38	-74.48	130	206
2	0.0352AV	-11.48	57.90	46.42	116.68	-70.26	130	317
3	0.0546AV	-11.54	61.10	49.56	112.86	-63.30	130	72
4	0.0851AV	-11.71	45.34	33.63	109.00	-75.37	130	100
5	0.1071QP	-11.80	52.10	40.30	107.01	-66.71	130	101
6	0.1247AV	-11.80	86.06	74.26	105.68	-31.42	130	54
7	0.1425AV	-11.78	34.55	22.77	104.53	-81.76	130	162





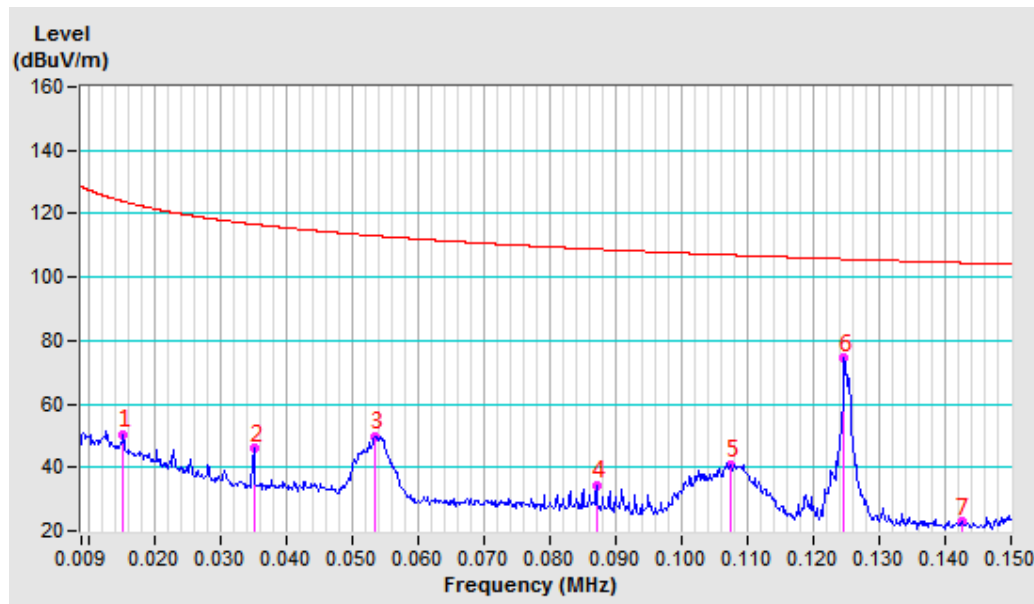
BUREAU
VERITAS

Test Report No.: RF2510WDG0075

Test Mode	E	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% R	Tested By	Albert
Test Date	2025-10-20	Remark	Input 12V

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	0.0154AV	-10.42	60.73	50.31	123.87	-73.56	130	232
2	0.0352AV	-11.48	57.62	46.14	116.68	-70.54	130	272
3	0.0536AV	-11.53	61.33	49.80	113.03	-63.23	130	66
4	0.0871AV	-11.72	46.07	34.35	108.80	-74.45	130	78
5	0.1075QP	-11.80	52.76	40.96	106.98	-66.02	130	72
6	0.1247AV	-11.80	86.28	74.48	105.68	-31.20	130	46
7	0.1424AV	-11.78	34.66	22.88	104.53	-81.65	130	165



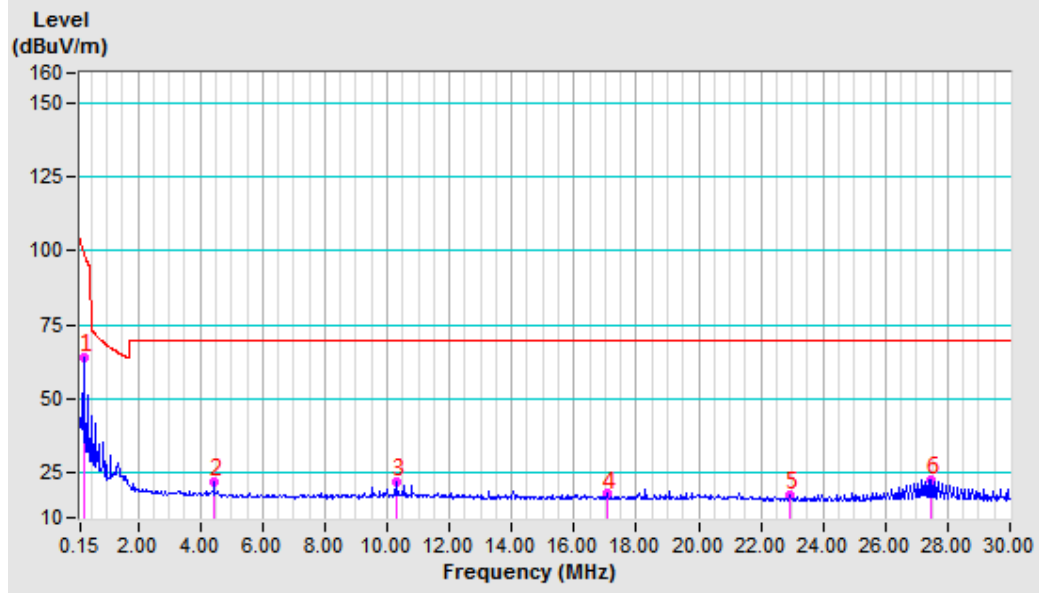


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VERITAS

Test Report No.: RF2510WDG0075

Test Mode	E	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% R	Tested By	Albert
Test Date	2025-10-20	Remark	Input 12V

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	0.2485AV	-11.60	75.51	63.91	99.70	-35.79	130	120
2	4.4322QP	-11.56	33.44	21.88	69.54	-47.66	130	200
3	10.2801QP	-11.64	33.79	22.15	69.54	-47.39	130	91
4	17.0504QP	-11.50	29.49	17.99	69.54	-51.55	130	108
5	22.9446QP	-11.45	29.05	17.60	69.54	-51.94	130	274
6	27.4328QP	-11.29	34.10	22.81	69.54	-46.73	130	250





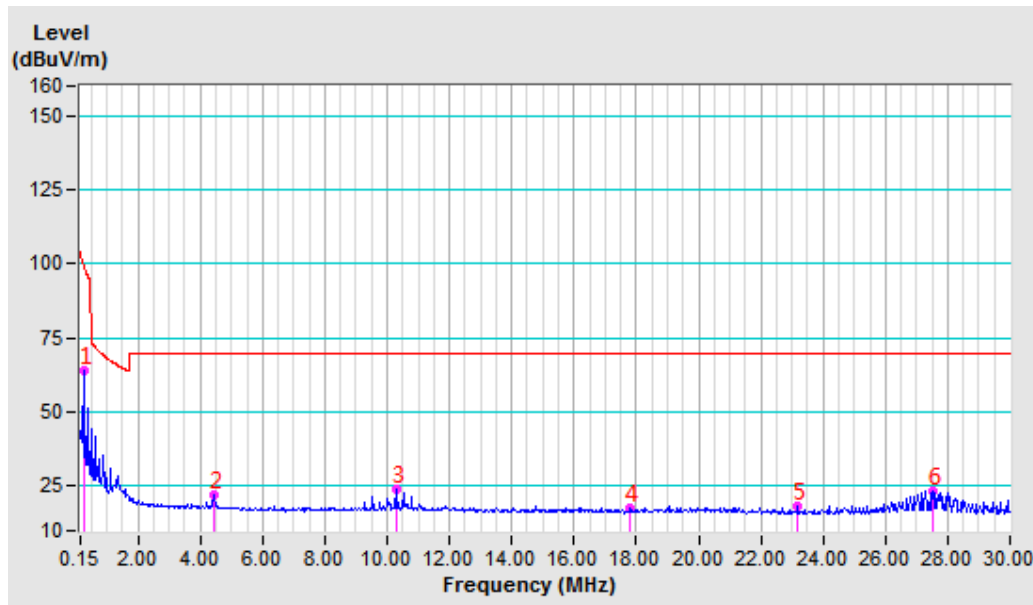
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Test Report No.: RF2510WDG0075

Test Mode	E	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 57% R	Tested By	Albert
Test Date	2025-10-20	Remark	Input 12V

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	0.2485AV	-11.60	75.51	63.91	99.70	-35.79	130	123
2	4.4337QP	-11.56	33.66	22.10	69.54	-47.44	130	229
3	10.2801QP	-11.64	35.53	23.89	69.54	-45.65	130	98
4	17.8027QP	-11.42	29.07	17.65	69.54	-51.89	130	82
5	23.1939QP	-11.46	29.93	18.47	69.54	-51.07	130	232
6	27.5223QP	-11.30	34.69	23.39	69.54	-46.15	130	0





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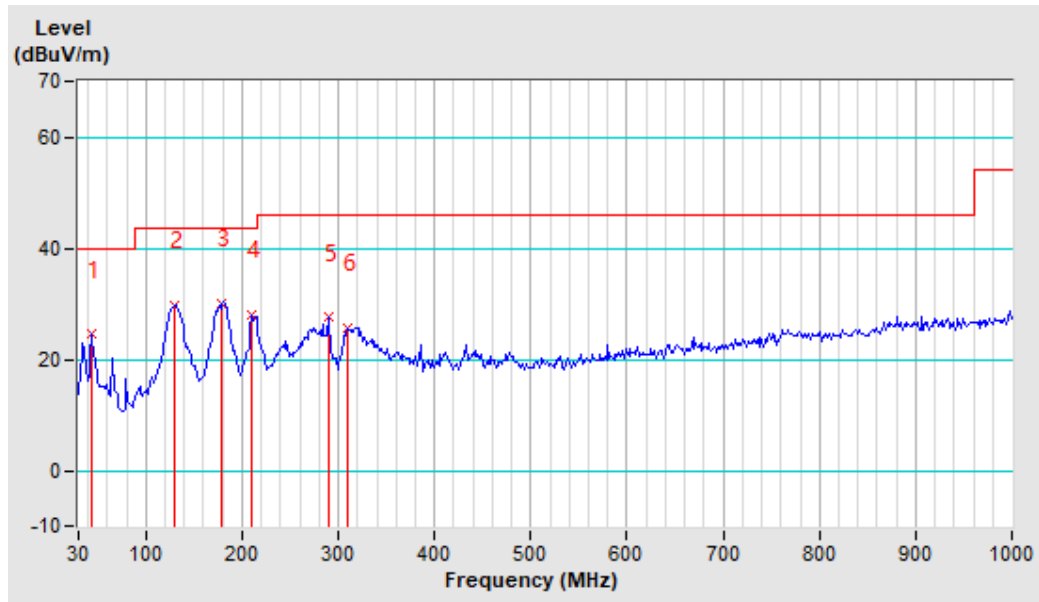
Test Report No.: RF2510WDG0075

Test Mode	E	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	26deg. C, 51% RH	Tested By	Ludius
Test date	2025-10-15	Remark	Input 12V

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	-17.81	42.23	24.42	40.00	-15.58	109	37
2	129.49	-18.35	47.94	29.59	43.50	-13.91	124	22
3	179.23	-18.25	48.28	30.03	43.50	-13.47	138	8
4	210.32	-19.24	47.15	27.91	43.50	-15.59	157	0
5	289.60	-15.58	43.09	27.51	46.00	-18.49	173	0
6	309.81	-15.00	40.57	25.57	46.00	-20.43	191	0

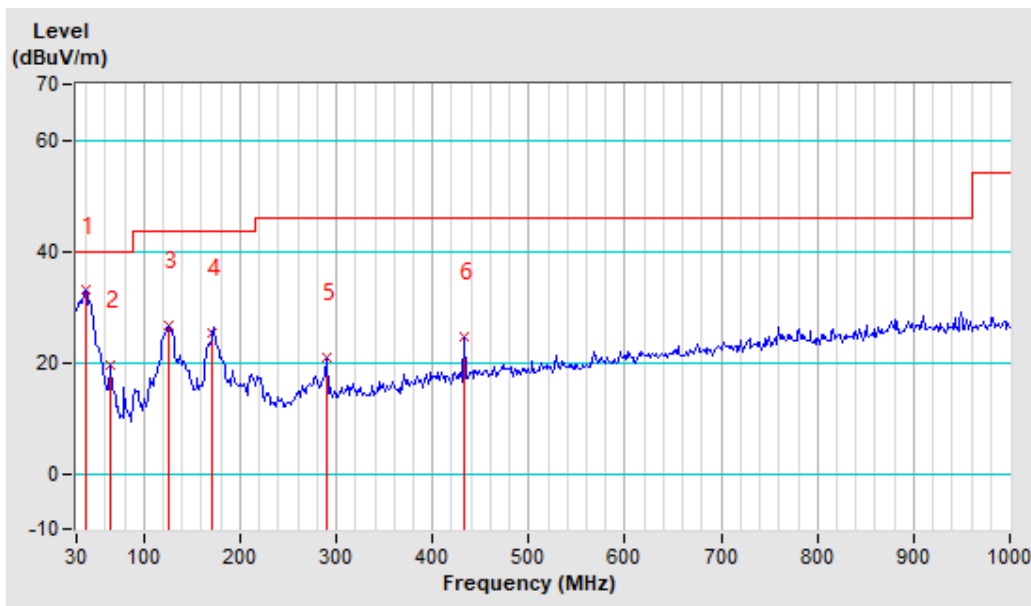
- REMARKS:** 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions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



Test Mode	E	Frequency Range	30MHz ~ 1000MHz
Test Voltage	AC 120V 60Hz	Detector Function	Quasi-Peak (QP)
Environmental Conditions	26deg. C, 51% RH	Tested By	Ludius
Test date	2025-10-15	Remark	Input 12V

Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	39.33	-18.49	51.43	32.94	40.00	-7.06	192	0
2	65.75	-18.40	37.99	19.59	40.00	-20.41	220	0
3	126.38	-18.78	45.44	26.66	43.50	-16.84	177	359
4	171.46	-17.45	42.63	25.18	43.50	-18.32	154	340
5	289.60	-15.58	36.43	20.85	46.00	-25.15	124	310
6	432.61	-11.30	36.00	24.70	46.00	-21.30	139	325

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, 26
Digital Multimeter	FLUKE	15B	12151063	Jun. 03, 26
Humid & Temp Programmable Tester	Haida	HD-225T	110807201	Oct. 10, 26
Oscilloscope	Agilent	DSO9254A	MY51260160	Jul. 06, 26
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV40	101003	Oct. 09, 26
Signal Generator	Agilent	N5183A	MY50140980	Jul. 06, 26
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY56200288	Jul. 06, 26
Attenuator	MINI	BW-S10W2+	S130129FGE2	N/A
DC Source	Rohde&Schwarz	HMP2020	101295	Jun. 03, 26
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

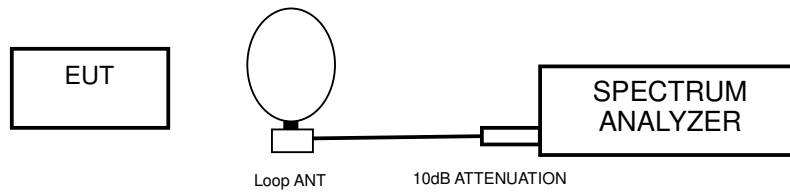
- Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring 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.



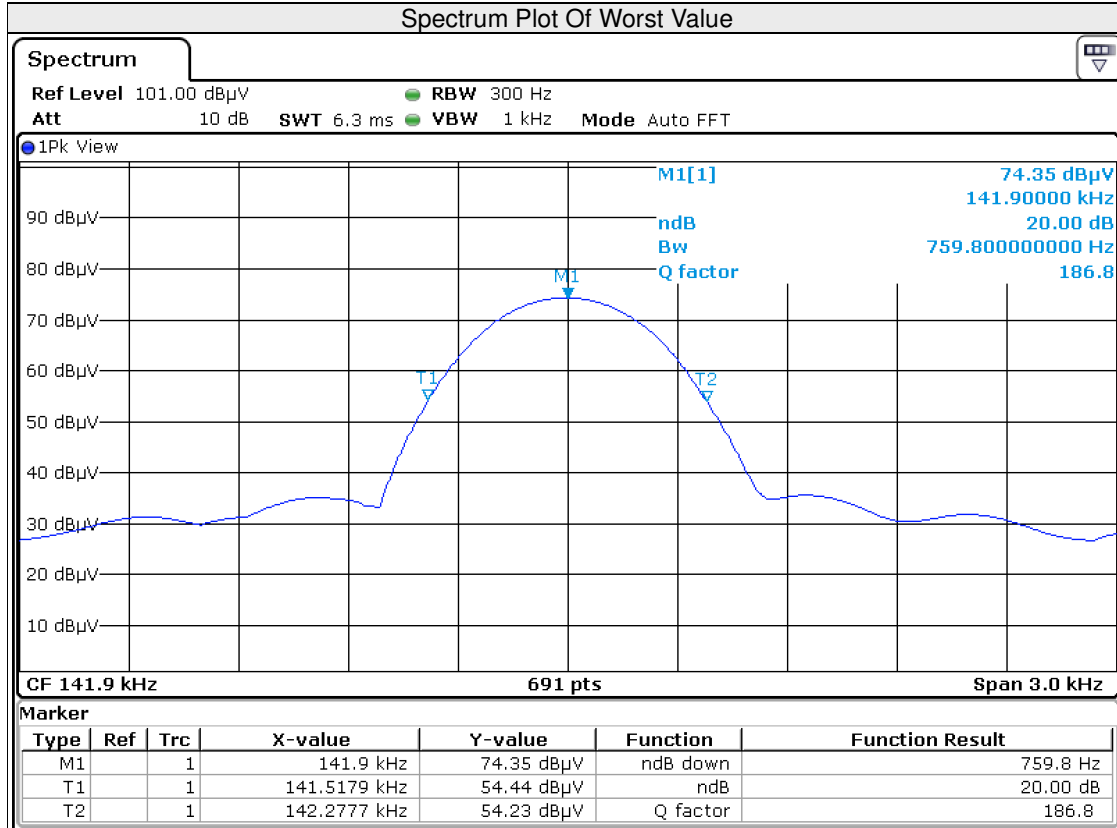
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Test Report No.: RF2510WDG0075

4.3.7 TEST RESULTS

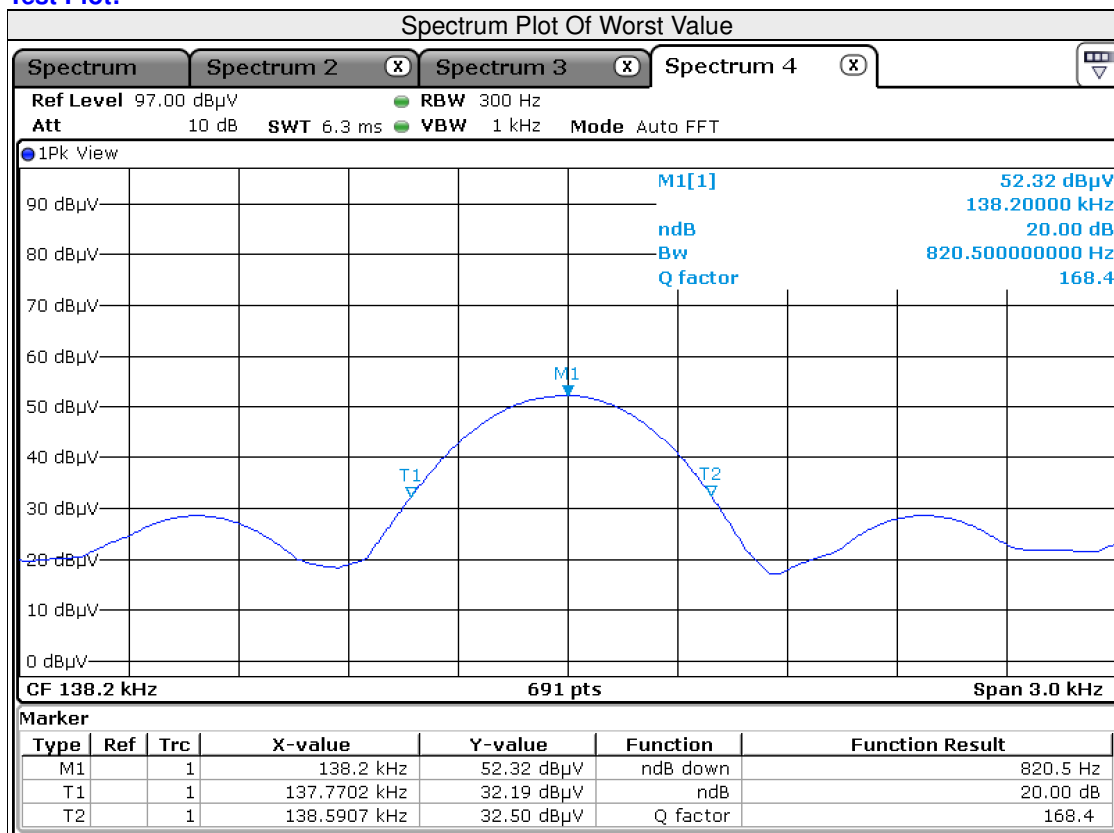
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
A	141.9	759.8

Test Plot:



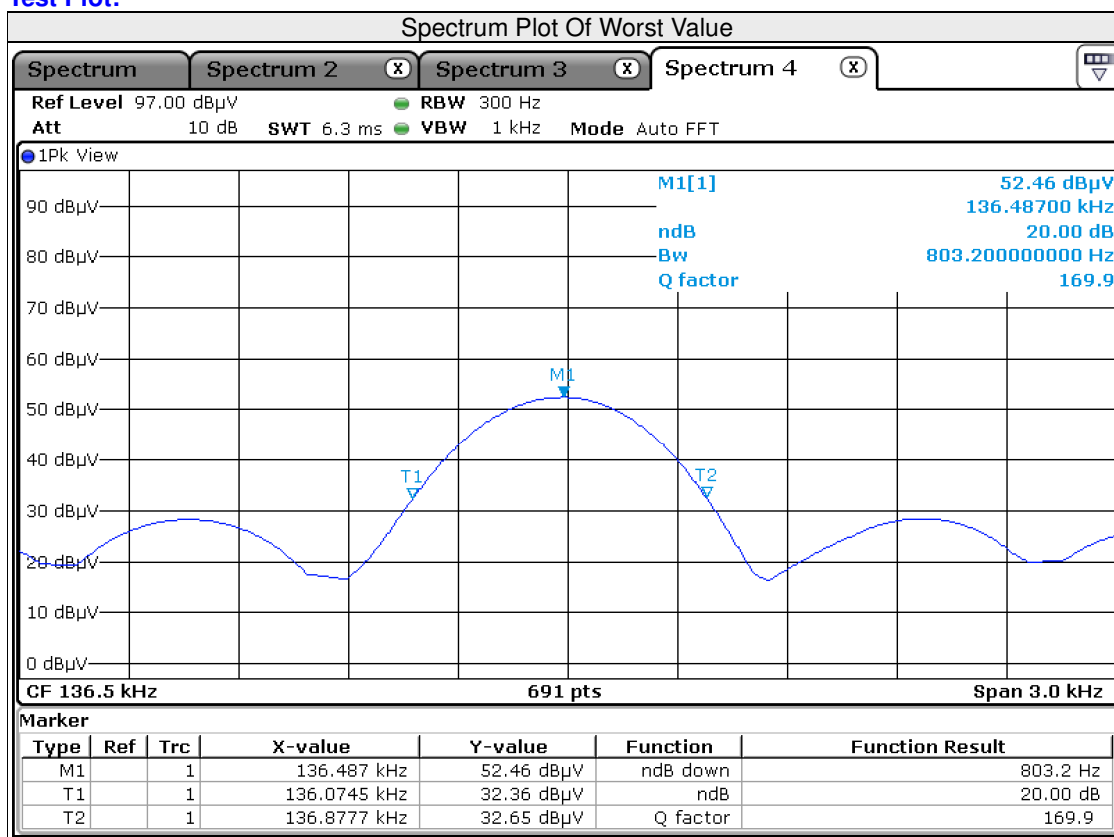
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
B	138.2	820.5

Test Plot:



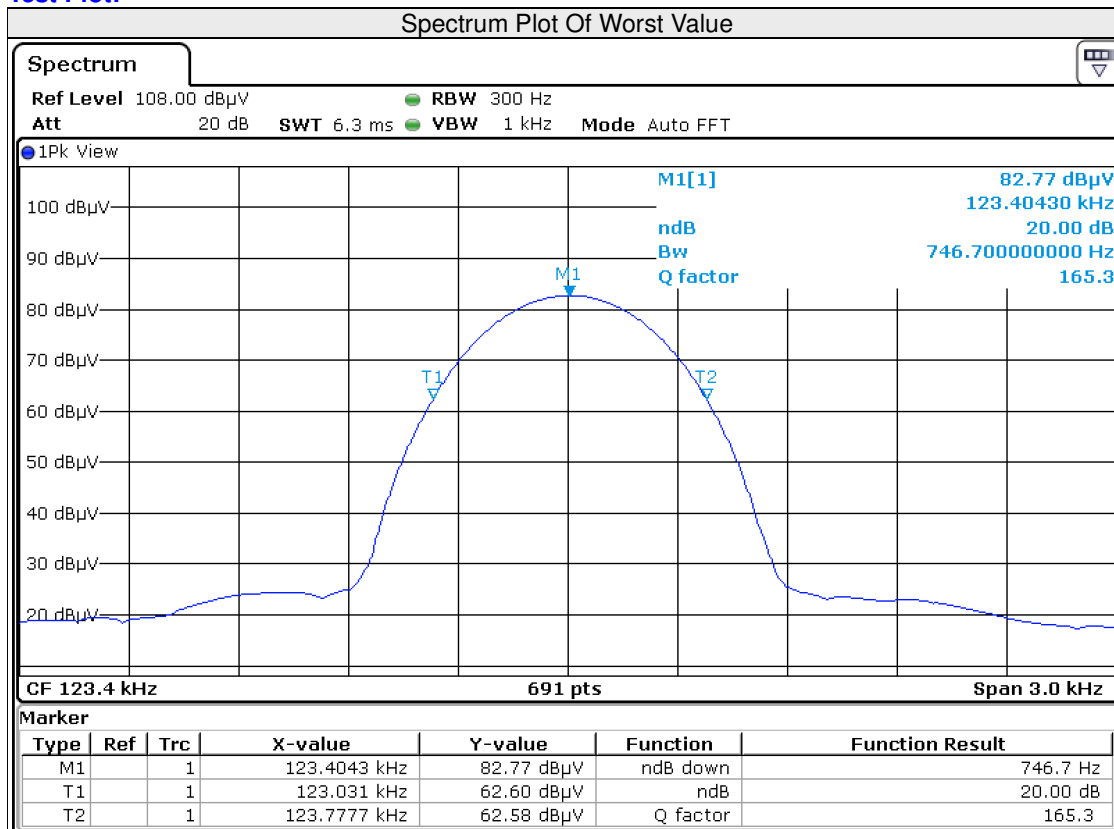
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
C	136.5	803.2

Test Plot:



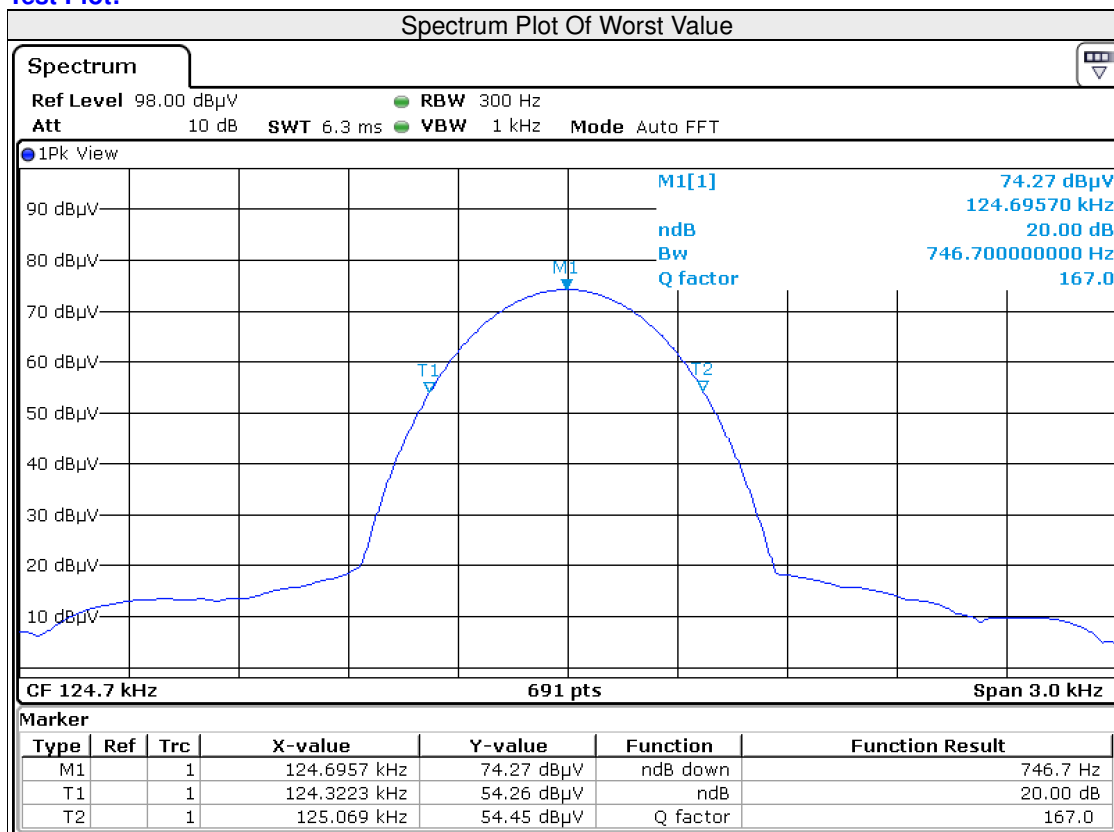
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
D	123.4	746.7

Test Plot:



Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
E	124.7	746.7

Test Plot:





Test Report No.: RF2510WDG0075

5 PHOTOGRAPHS OF THE TEST CONFIGURATION

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



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6 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications were made to the EUT by the lab during the test.

---END---