

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	UltraCharge 2-in-1 Foldable Magnetic Charger
Brand Name	belkin
Model	WIZ039
Additional Model & Model Difference	WIZ038, See section 3.1
Date of tests	Apr. 29, 2025 ~ May. 10, 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: Jun. 27, 2025

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Test Report No.: RF2504WDG0372

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF2504WDG0372	Original release	Jun. 27, 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	UltraCharge 2-in-1 Foldable Magnetic Charger
MODEL NO.	WIZ039
ADDITIONAL MODE	WIZ038
SAMPLE STATUS	Engineering sample
FCC ID	K7SWIZ038
POWER SUPPLY	DC 9V or 15V From Adapter
MODULATION TYPE	FSK
OPERATING FREQUENCY RANGE	25W Qi2 Charging Coil (MPP/BPP): 111-148/360kHz 5W Qi2 Charging Coil (BPP):111-148kHz
I/O PORTS	Coil Antenna*2
FIELD STRENGTH	72.19dBuV/m
MAXIMUM POWER OUTPUT FROM THE CHARGING COIL	Max Power is 25W
CABLE SUPPLIED	See section 3.4

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.: 2504WDG0372-1 and 2504WDG0372-2) for detailed product photo.
- Additional model WIZ038 is identical with test model WIZ039 except the appearance and model no. for trading purpose. And the detail as follows:

Product Name	Model No.	Difference
UltraCharge 2-in-1 Foldable Magnetic Charger	WIZ039	Round
	WIZ038	Square

- Adapter information as follows :

45W USB-C Wall Charger with PPS	
MODEL NO.:	WCA013dq
BRAND NAME:	belkin
INPUT:	100-240Vac, 1.0A, 50-60Hz
OUTPUT:	(PDO)5Vdc 3A, 9Vdc 3A, 12Vdc 3A, 15Vdc 3A, 20Vdc 2.25A (PPS) 5-16Vdc 2.8A
PLUG TYPE	US

3.2 DESCRIPTION OF TEST MODES

The following test frequencies are provided to this EUT:

Configure	Mode		Operating Frequency Range(KHz)	
	25W Coil	5W Coil	25W Coil	5W Coil
A	Standby	Standby	/	145
B	25W RX Load	Standby	360	145
C	25W RX Load	iPhone 11 Pro	360	123.2
D	AirPods Pro Case	iPhone 11 Pro	128	121.2

3.3 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO			DESCRIPTION	
	RE<1G	PLC	20BW	25W Coil	5W Coil
A	√	-	√	Standby+Standby	
B	√	-	√	25W RX Load+ Standby	
C	√	√	√	25W RX Load+ iPhone 11 Pro	
D	√	-	√	AirPods Pro Case+ iPhone 11 Pro	

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

PLC: Power Line Conducted Emission

20BW: 20dB Bandwidth

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
	25W Coil	5W Coil	25W Coil	5W Coil	
C	111-148/360	111-148	360	123.2	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
	25W Coil	5W Coil	25W Coil	5W Coil	
A	111-148/360	111-148	/	145	FSK
B	111-148/360	111-148	360	145	FSK
C	111-148/360	111-148	360	123.2	FSK
D	111-148/360	111-148	128	121.2	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
	25W Coil	5W Coil	25W Coil	5W Coil	
A	111-148/360	111-148	/	145	FSK
B	111-148/360	111-148	360	145	FSK
C	111-148/360	111-148	360	123.2	FSK
D	111-148/360	111-148	128	121.2	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	Zeke

3.4 DESCRIPTION OF SUPPORT UNITS

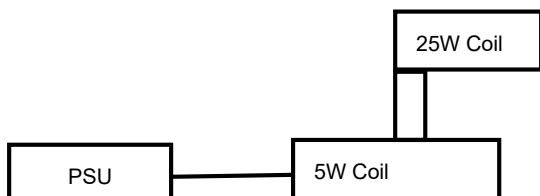
The EUT has been tested as a dependent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	25W RX Load	CPS	N/A	N/A	N/A	By client
B	iPhone 11 Pro	Apple	MWDD2CH/A	F17ZMCAMN6YL	N/A	BV Lab.
C	AirPods Pro Case	Apple	A2190	GXDGE8W1059	N/A	
D	Apple watch Series7	Apple	A2474	T9VJ36WRRV	N/A	

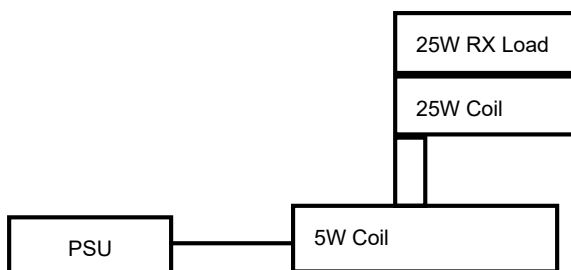
Description	Length (m)	Shielding (Y/N)	Remark
USB-C to USB-C cable(Optional)	1.5	Y	Nen Oceans Precision Component (JiangXi) Co.,Ltd./ DB336/C-C/L=1.5m Black
USB-C to USB-C cable(Optional)	1.5	Y	Nen Oceans Precision Component (JiangXi) Co.,Ltd./ DB337/C-C/L=1.5m White
USB-C to USB-C cable(Optional)	1.5	Y	-

3.5 CONFIGURATION OF SYSTEM UNDER TEST

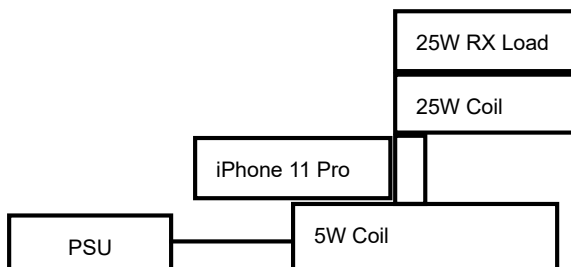
Mode A: EUT Standby:



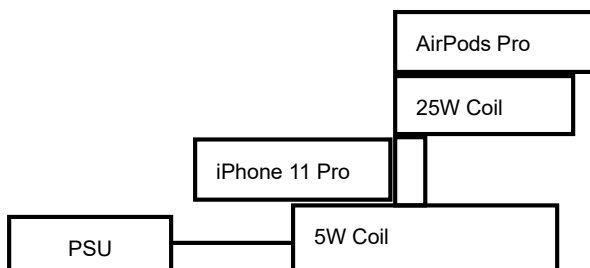
Mode B: EUT 25W Coil(25W RX Load)+ 5W Coil(Standby):



Mode C: EUT 25W Coil(25W RX Load)+ 5W Coil(iPhone 11 Pro):



Mode D: EUT 25W Coil(AirPods Pro case)+ 5W Coil(iPhone 11 Pro):



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. 09, 25
Artificial Mains Network	Rohde&Schwarz	ENV216	101173	Oct. 10, 25
Artificial Mains Network	Rohde&Schwarz	ESH3-Z5	100317	Oct. 09, 25
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. 10, 25
Coaxial RF Cable	SUHNER	RG 223/U-CE	C2310066DG	Jun. 23, 25
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.

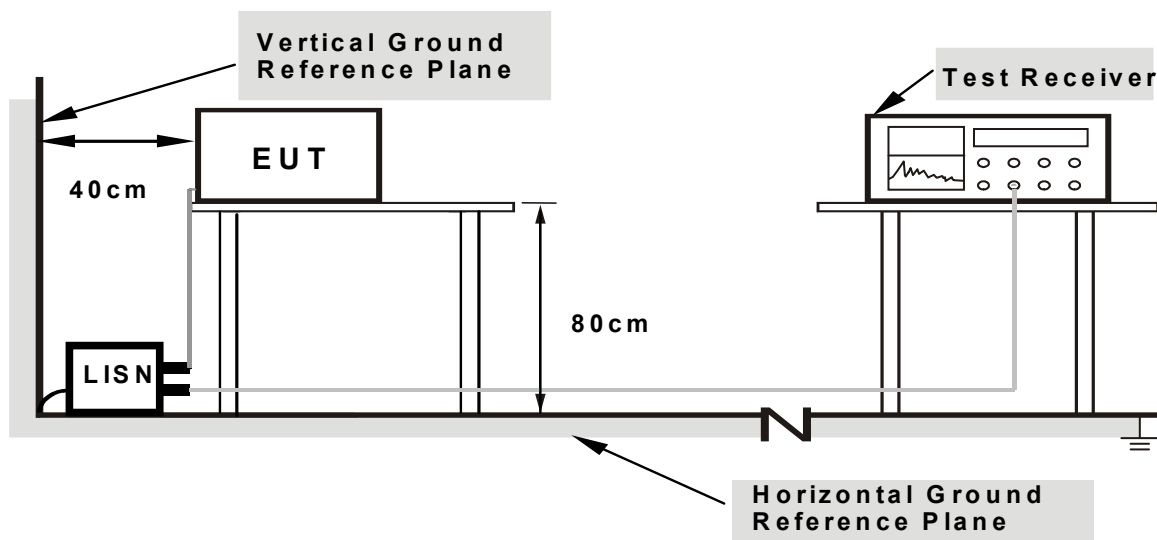
NOTE:

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

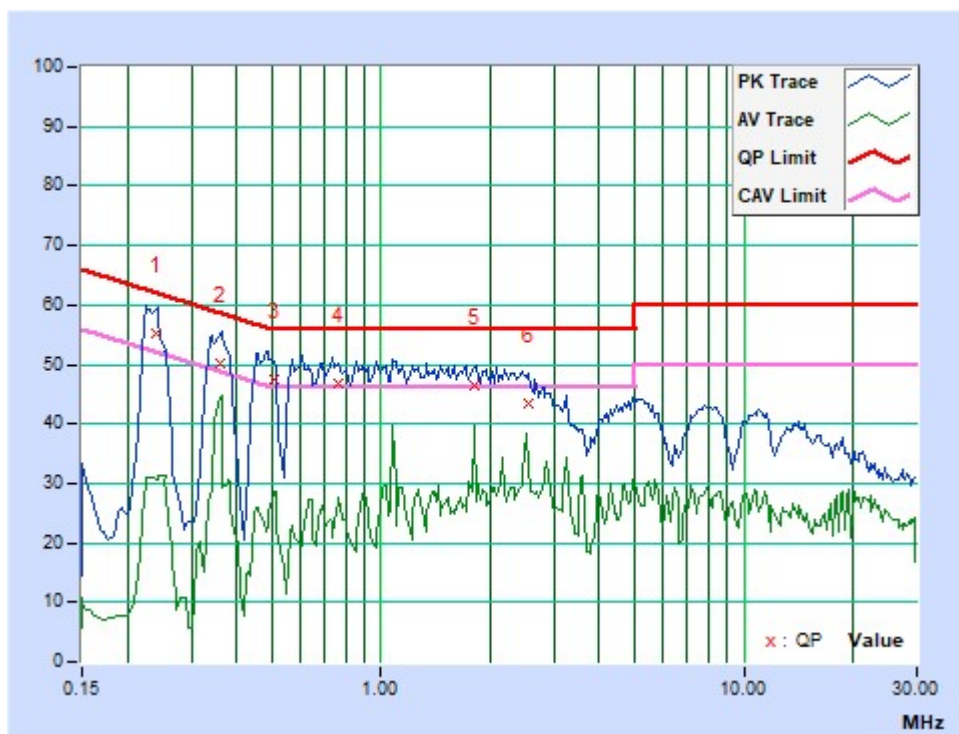
- a. Turned on the power of all equipment.
- b. EUT was operated according to the type description in manufacturer's specifications or the User's Manual.

4.1.7 TEST RESULTS

TEST MODE	Mode C	6DB BANDWIDTH	9 kHz
TEST VOLTAGE	AC 120V 60Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	25deg.C, 56% RH	TESTED BY	Summer
TEST DATE	2025-05-10		

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	0.24145	9.80	45.31	20.02	55.11	29.82	62.05	52.05	-6.93	-22.22
2	0.35850	9.81	40.43	34.54	50.24	44.35	58.76	48.76	-8.52	-4.41
3	0.50496	9.83	37.50	14.34	47.33	24.17	56.00	46.00	-8.67	-21.83
4	0.75969	9.85	37.09	15.69	46.94	25.54	56.00	46.00	-9.06	-20.46
5	1.79925	9.94	36.39	29.88	46.33	39.82	56.00	46.00	-9.67	-6.18
6	2.56425	9.98	33.59	23.09	43.57	33.07	56.00	46.00	-12.43	-12.93

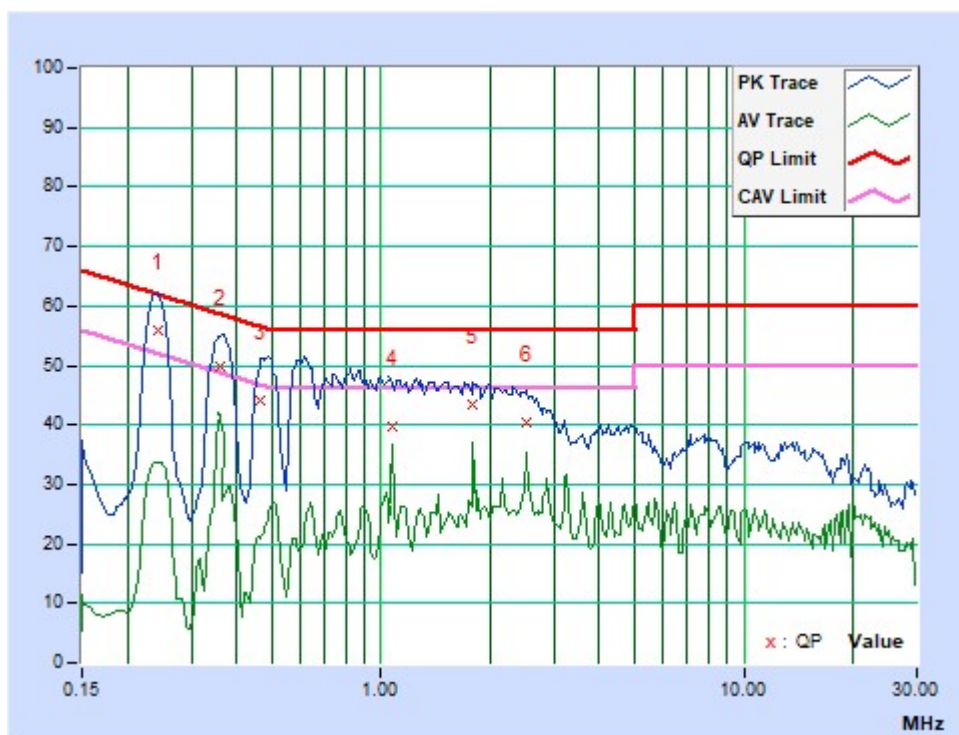
REMARKS: The emission levels of other frequencies were very low against the limit.



TEST MODE	Mode C	6DB BANDWIDTH	9 kHz
TEST VOLTAGE	AC 120V 60Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	25deg.C, 56% RH	TESTED BY	Summer
TEST DATE	2025-05-10		

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	0.24450	9.72	46.16	22.80	55.88	32.52	61.94	51.94	-6.06	-19.42
2	0.35850	9.69	40.05	31.62	49.74	41.31	58.76	48.76	-9.02	-7.45
3	0.46725	9.69	34.53	9.87	44.22	19.56	56.56	46.56	-12.34	-27.00
4	1.07475	9.72	30.14	19.56	39.86	29.28	56.00	46.00	-16.14	-16.72
5	1.79700	9.78	33.73	24.93	43.51	34.71	56.00	46.00	-12.49	-11.29
6	2.51700	9.83	30.69	23.13	40.52	32.96	56.00	46.00	-15.48	-13.04

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	Apr. 13, 26
Amplifier	Burgeon	BPA-530	100210	Feb. 21, 26
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. Designation Number: CN1174.

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, 26
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. 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:

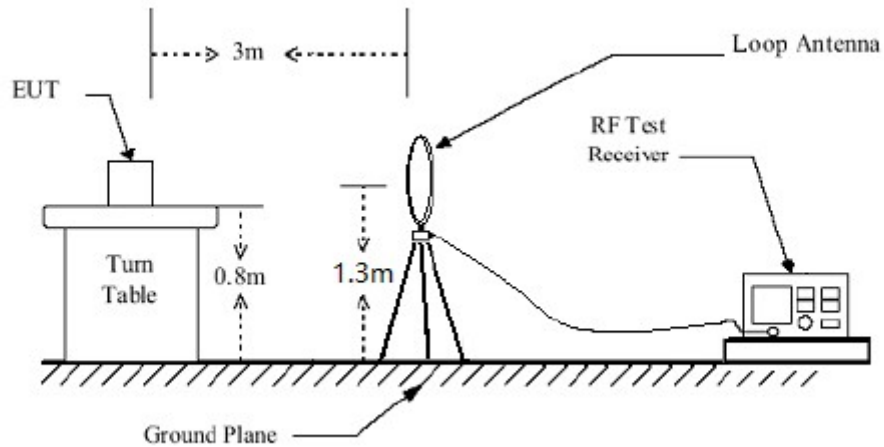
1. The resolution bandwidth of test receiver/spectrum analyzer is 200Hz for Quasi-peak detection (QP/AV) at fundamental frequency 9K-150KHz;
2. The resolution bandwidth of test receiver/spectrum analyzer is 9KHz for Quasi-peak detection (QP/AV) at fundamental frequency 150K-30MHz;
3. The resolution bandwidth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

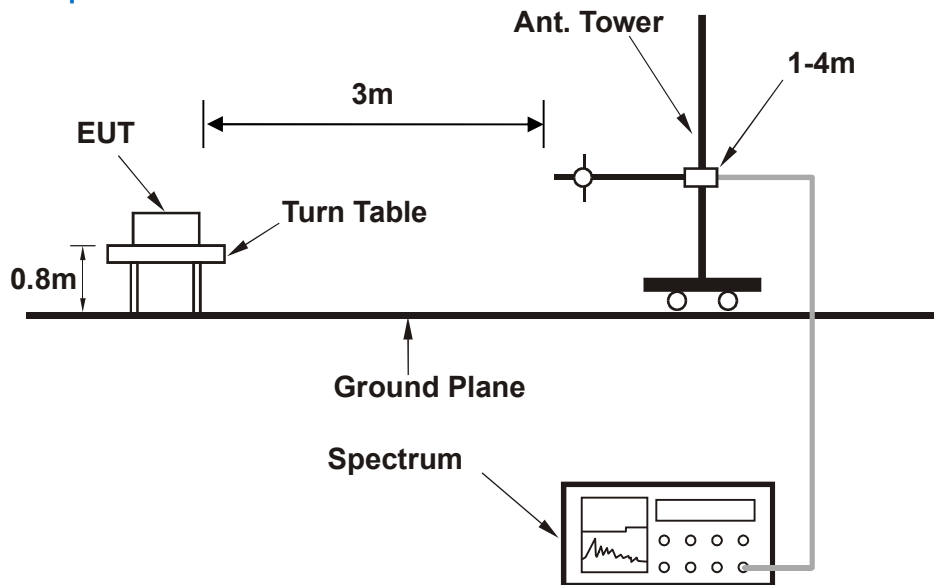
No deviation.

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

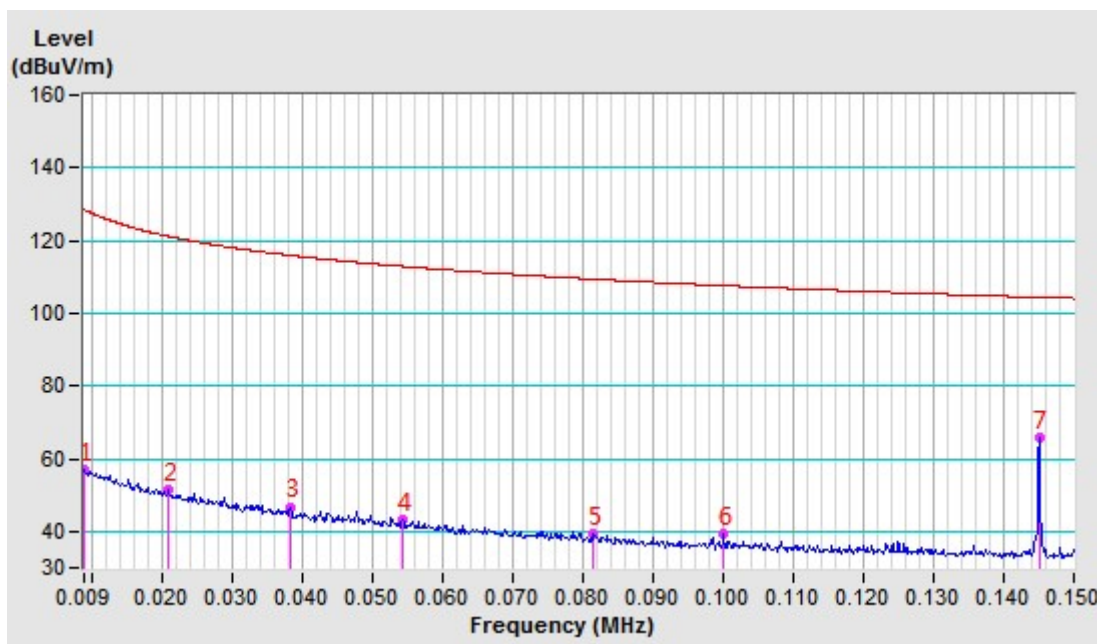
- Turn on the EUT.
- The EUT tested in charging mode and standby mode respectively.

4.2.7 TEST RESULTS

Standby Mode

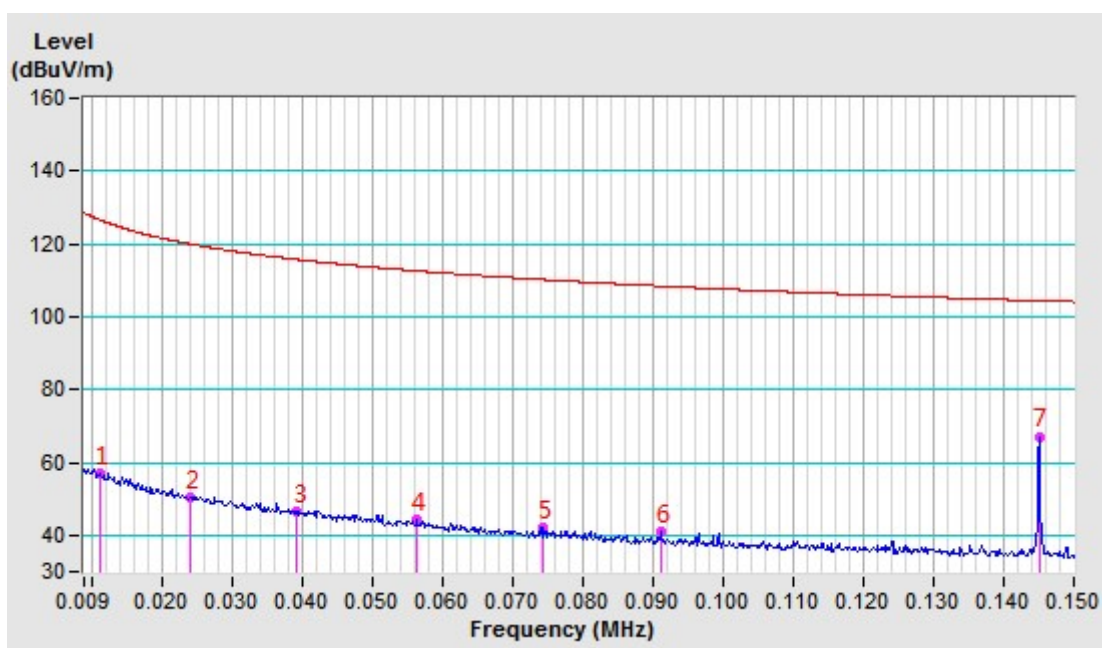
Test Mode	A	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 54% R	Tested By	Albert
Test date	2025-04-29		

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	0.0091AV	-16.48	73.40	56.92	128.41	-71.49	130	334
2	0.0211AV	-16.99	68.49	51.50	121.13	-69.63	130	158
3	0.0385AV	-16.86	63.64	46.78	115.90	-69.12	130	307
4	0.0543AV	-16.65	59.68	43.03	112.90	-69.87	130	210
5	0.0814AV	-16.91	56.33	39.42	109.39	-69.97	130	309
6	0.1000QP	-16.96	56.10	39.14	107.60	-68.46	130	159
7	0.1450AV	-16.78	82.77	65.99	104.37	-38.38	130	348



Test Mode	A	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 54% R	Tested By	Albert
Test date	2025-04-29		

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	0.0114AV	-16.92	74.09	57.17	126.45	-69.28	130	298
2	0.0242AV	-17.01	67.61	50.60	119.93	-69.33	130	6
3	0.0394AV	-16.84	63.43	46.59	115.70	-69.11	130	154
4	0.0565AV	-16.66	60.95	44.29	112.57	-68.28	130	201
5	0.0745AV	-16.85	59.05	42.20	110.16	-67.96	130	143
6	0.0913QP	-16.94	57.88	40.94	108.39	-67.45	130	38
7	0.1450AV	-16.78	83.95	67.17	104.37	-37.20	130	4



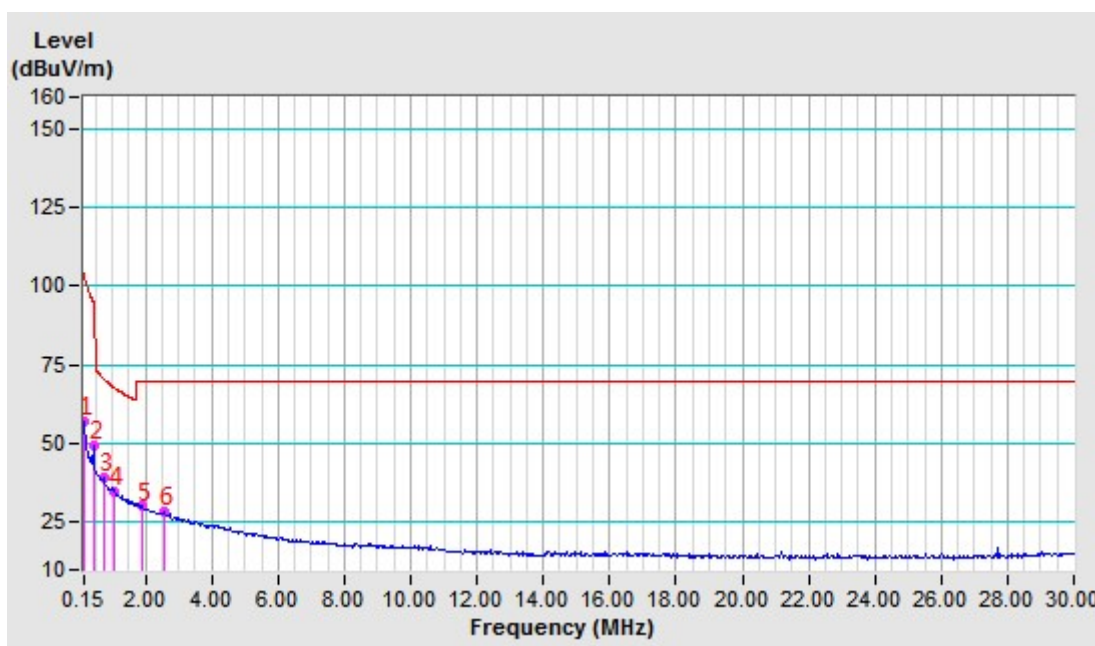


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Test Report No.: RF2504WDG0372

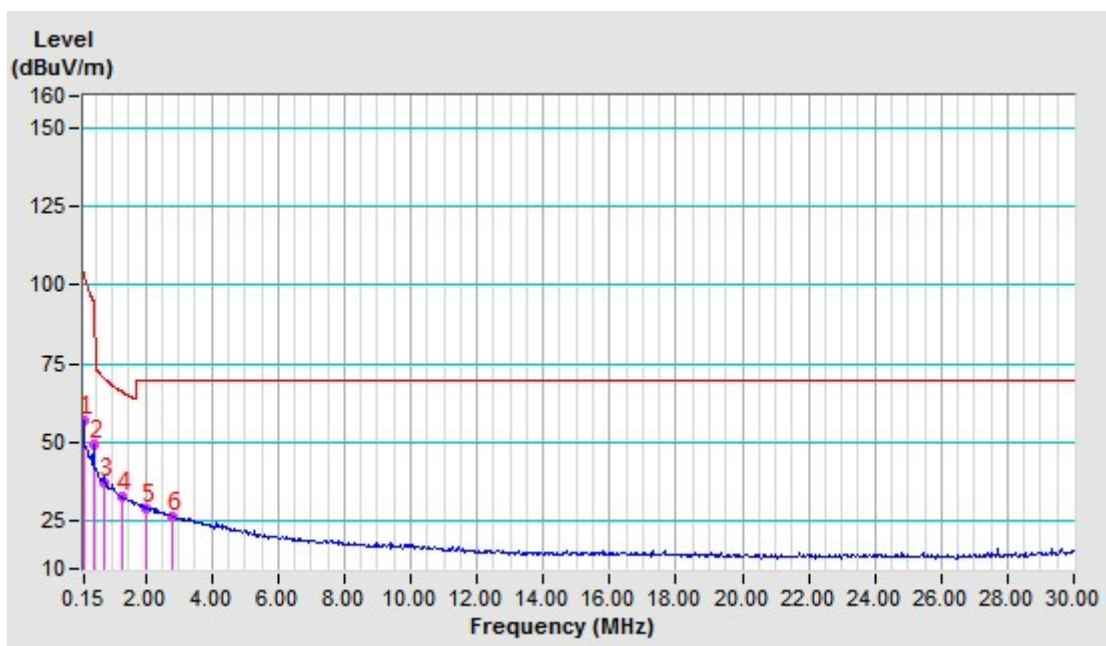
Test Mode	A	Frequency Range	150 kHz ~ 30MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 54% R	Tested By	Albert
Test date	2025-04-29		

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	0.1500AV	-16.77	73.71	56.94	104.08	-47.14	130	348
2	0.4351AV	-16.75	65.98	49.23	94.83	-45.60	130	360
3	0.7246QP	-16.87	55.89	39.02	70.72	-31.70	130	342
4	1.0620QP	-16.92	51.50	34.58	67.70	-33.12	130	94
5	1.8844QP	-16.86	46.91	30.05	69.54	-39.49	130	322
6	2.5874QP	-16.81	45.25	28.44	69.54	-41.10	130	326



Test Mode	A	Frequency Range	150 kHz ~ 30MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 54% R	Tested By	Albert
Test date	2025-04-29		

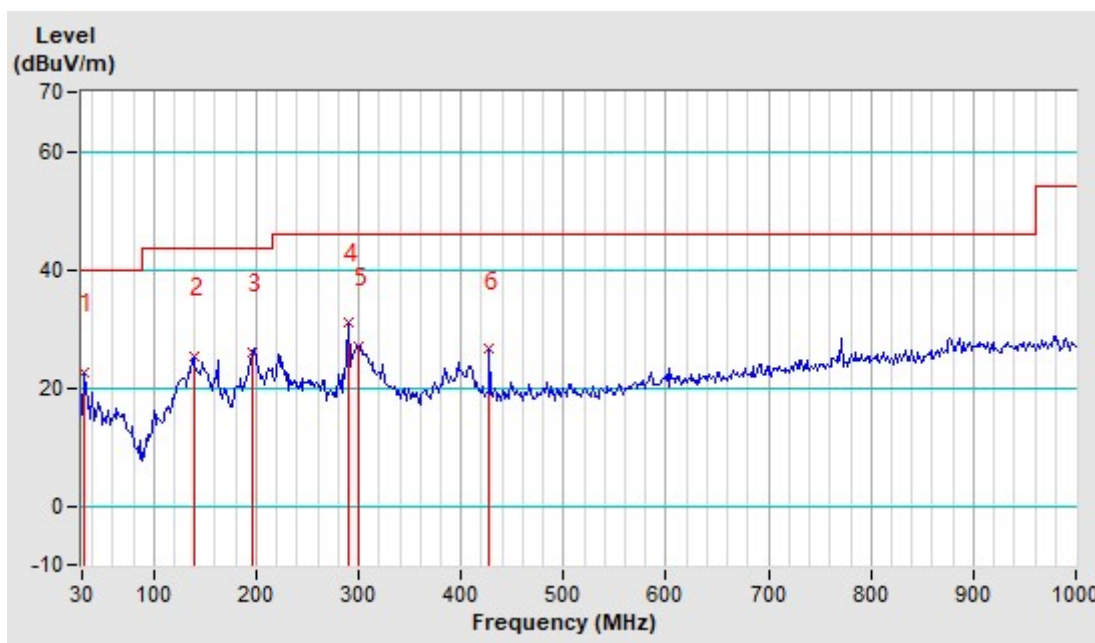
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.1500AV	-16.77	74.12	57.35	104.08	-46.73	130	12
2	0.4351AV	-16.75	66.46	49.71	94.83	-45.12	130	360
3	0.7694QP	-16.90	54.22	37.32	70.24	-32.92	130	5
4	1.3247QP	-16.90	49.55	32.65	65.96	-33.31	130	194
5	2.0515QP	-16.85	46.07	29.22	69.54	-40.32	130	24
6	2.8217QP	-16.80	43.63	26.83	69.54	-42.71	130	208



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	2025-05-10		

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	31.55	-19.07	41.78	22.71	40.00	-17.29	400	312
2	138.81	-17.26	42.53	25.27	43.50	-18.23	150	295
3	196.33	-19.62	45.67	26.05	43.50	-17.45	350	277
4	289.60	-15.62	46.72	31.10	46.00	-14.90	350	262
5	300.48	-15.19	42.30	27.11	46.00	-18.89	200	225
6	427.95	-11.69	38.18	26.49	46.00	-19.51	250	247

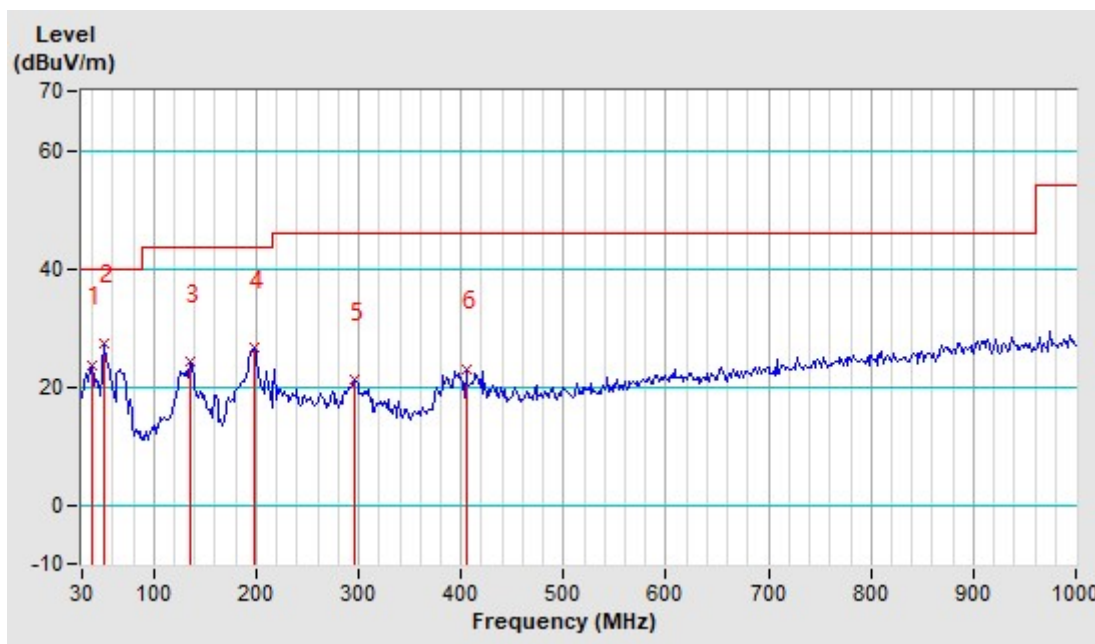
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions 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	25deg. C, 56% RH	Tested By	Ludius
Test date	2025-05-10		

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	-18.48	42.15	23.67	40.00	-16.33	250	207
2	51.76	-17.55	44.95	27.40	40.00	-12.60	200	224
3	135.71	-17.64	41.71	24.07	43.50	-19.43	100	239
4	197.88	-19.69	46.19	26.50	43.50	-17.00	250	254
5	295.82	-15.37	36.43	21.06	46.00	-24.94	350	270
6	404.63	-12.57	35.52	22.95	46.00	-23.05	250	286

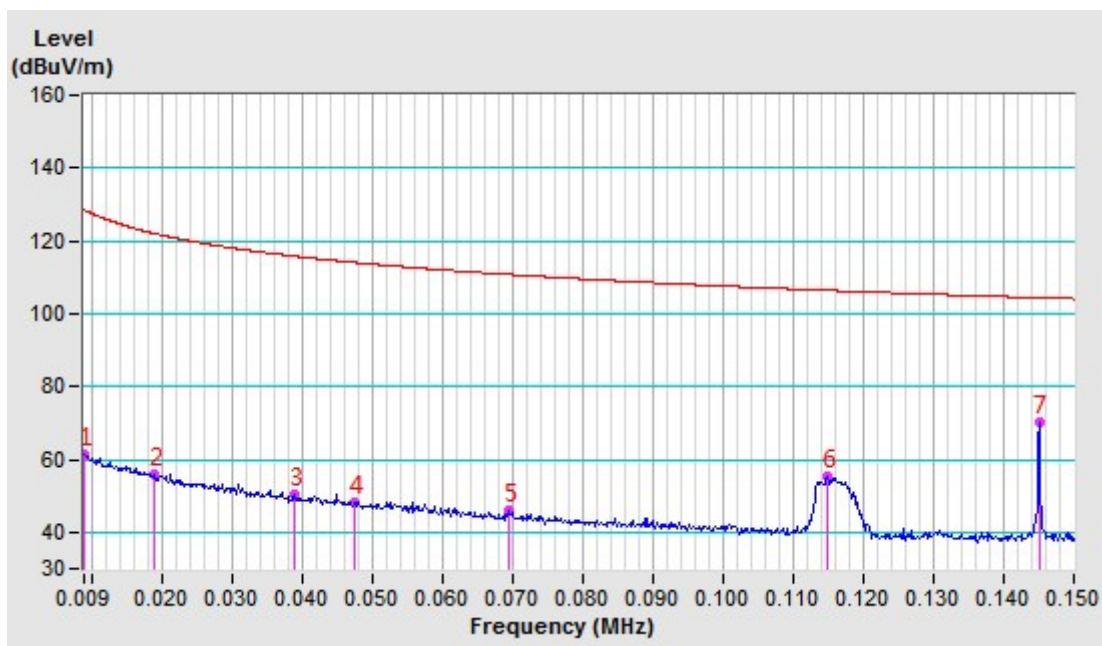
- REMARKS:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 2. Negative sign (-) in the margin column signify levels below the limit.
 3. Frequency range scanned: 30-1000MHz.
 4. Only emissions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



Charging Mode

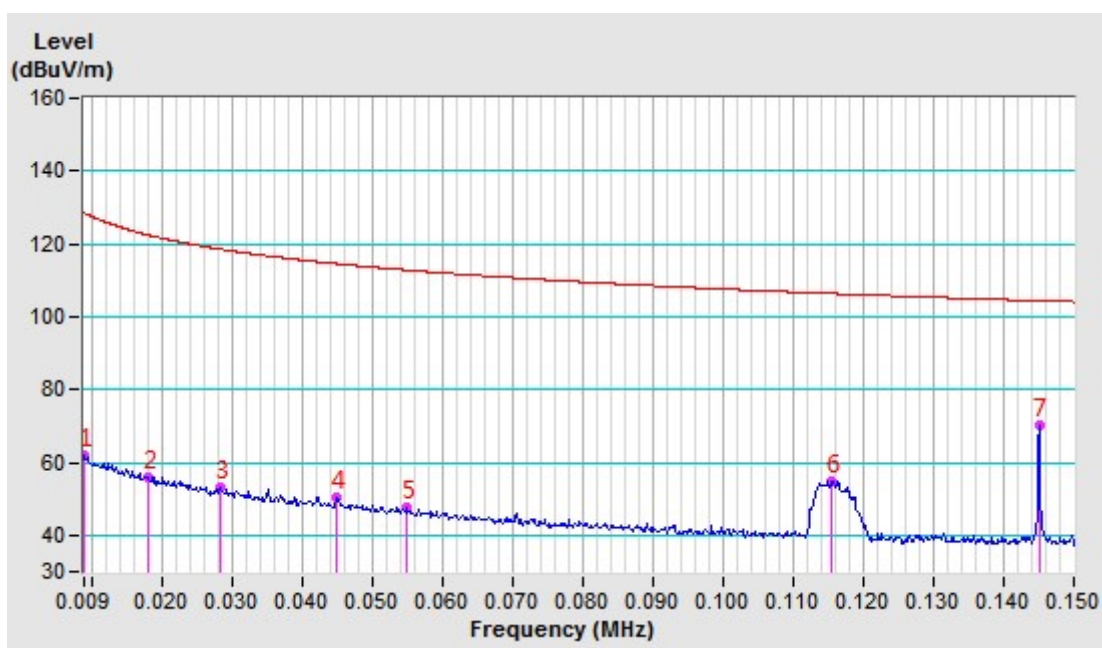
Test Mode	B	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert
Test Date	2025-04-29		

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	0.0090AV	-16.42	77.58	61.16	128.52	-67.36	130	127
2	0.0190AV	-16.98	72.93	55.95	122.03	-66.08	130	125
3	0.0391AV	-16.85	67.15	50.30	115.76	-65.46	130	38
4	0.0475AV	-16.66	65.01	48.35	114.06	-65.71	130	134
5	0.0696AV	-16.80	62.73	45.93	110.75	-64.82	130	150
6	0.1149AV	-16.91	71.99	55.08	106.40	-51.32	130	151
7	0.1450AV	-16.78	87.15	70.37	104.37	-34.00	130	2



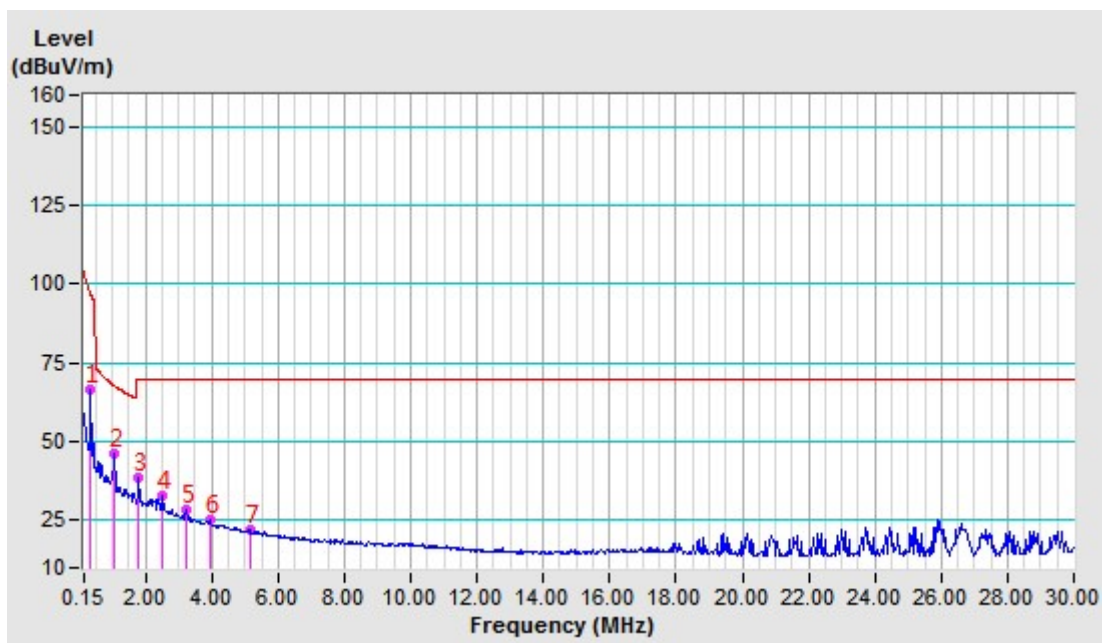
Test Mode	B	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert
Test Date	2025-04-29		

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	0.0091AV	-16.45	78.51	62.06	128.46	-66.40	130	343
2	0.0180AV	-16.97	73.04	56.07	122.49	-66.42	130	94
3	0.0284AV	-17.04	70.34	53.30	118.54	-65.24	130	94
4	0.0450AV	-16.71	67.27	50.56	114.54	-63.98	130	198
5	0.0550AV	-16.64	64.24	47.60	112.79	-65.19	130	13
6	0.1155AV	-16.90	71.84	54.94	106.35	-51.41	130	171
7	0.1450AV	-16.78	87.04	70.26	104.37	-34.11	130	3



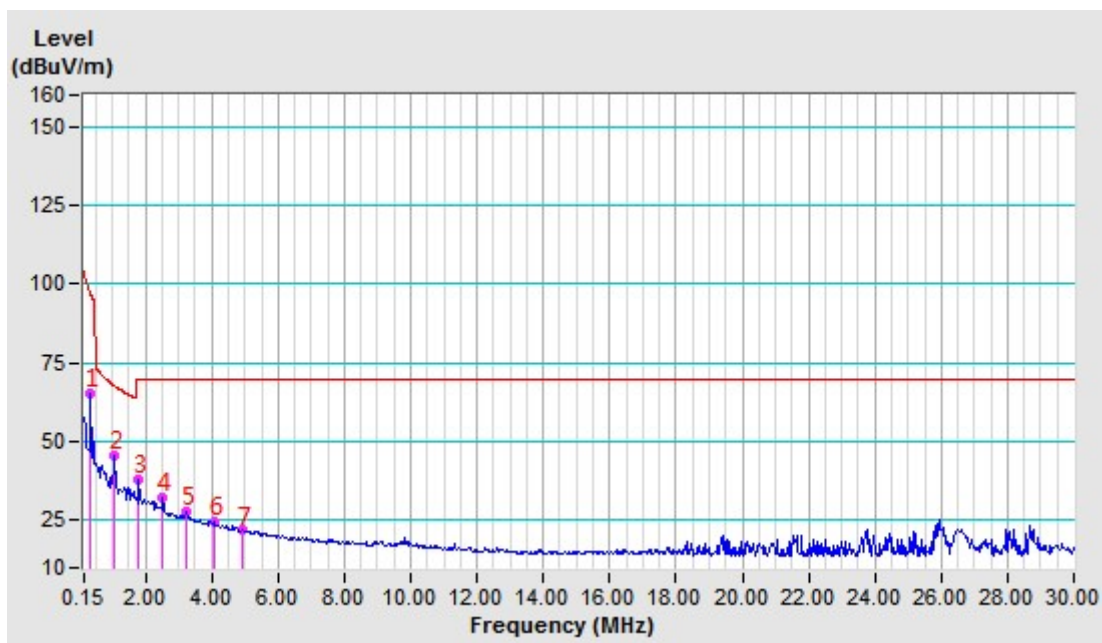
Test Mode	B	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert
Test Date	2025-04-29		

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	0.3590AV	-16.71	83.35	66.64	96.50	-29.86	130	198
2	1.0799QP	-16.92	63.02	46.10	67.57	-21.47	130	48
3	1.7993QP	-16.87	55.24	38.37	69.54	-31.17	130	34
4	2.5187QP	-16.82	49.73	32.91	69.54	-36.63	130	7
5	3.2396QP	-16.78	45.24	28.46	69.54	-41.08	130	360
6	3.9591QP	-16.73	42.02	25.29	69.54	-44.25	130	197
7	5.1352QP	-16.73	38.73	22.00	69.54	-47.54	130	107



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
Test Date	2025-04-29		

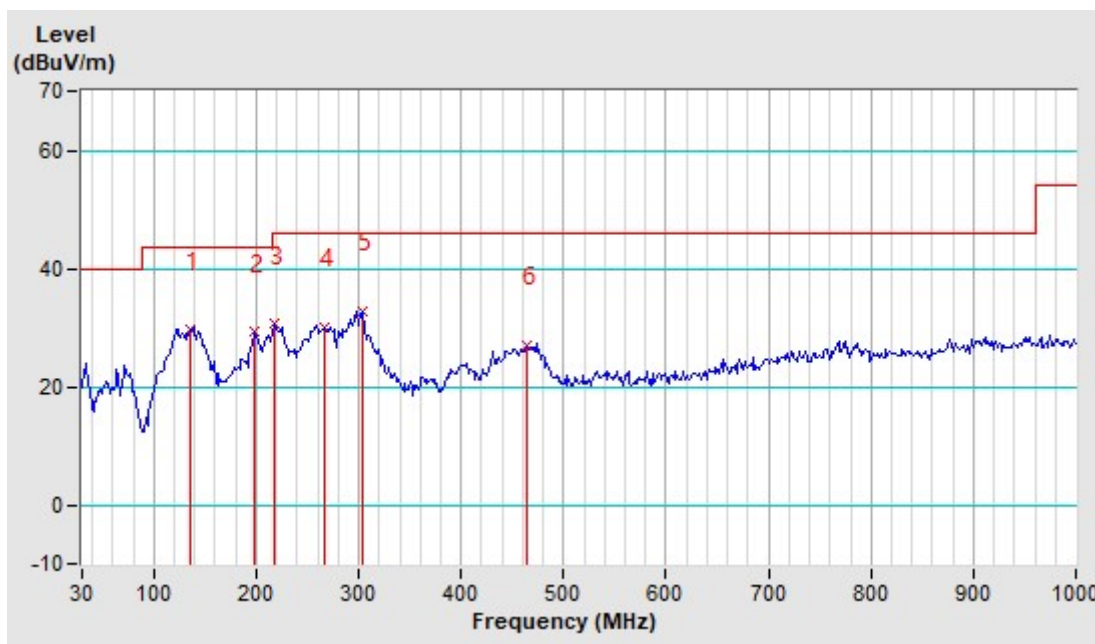
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.3590AV	-16.71	82.29	65.58	96.50	-30.92	130	360
2	1.0799QP	-16.92	62.80	45.88	67.57	-21.69	130	360
3	1.7993QP	-16.87	54.90	38.03	69.54	-31.51	130	360
4	2.5187QP	-16.82	49.12	32.30	69.54	-37.24	130	360
5	3.2396QP	-16.78	44.69	27.91	69.54	-41.63	130	360
6	4.0576QP	-16.72	41.37	24.65	69.54	-44.89	130	97
7	4.9053QP	-16.73	38.55	21.82	69.54	-47.72	130	347



Test Mode	B	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	2025-05-10		

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	135.71	-17.64	47.20	29.56	43.50	-13.94	150	309
2	197.88	-19.69	48.91	29.22	43.50	-14.28	150	261
3	218.09	-18.87	49.39	30.52	46.00	-15.48	150	293
4	266.28	-16.60	46.63	30.03	46.00	-15.97	250	246
5	303.59	-15.13	47.78	32.65	46.00	-13.35	300	278
6	463.70	-10.68	37.78	27.10	46.00	-18.90	350	220

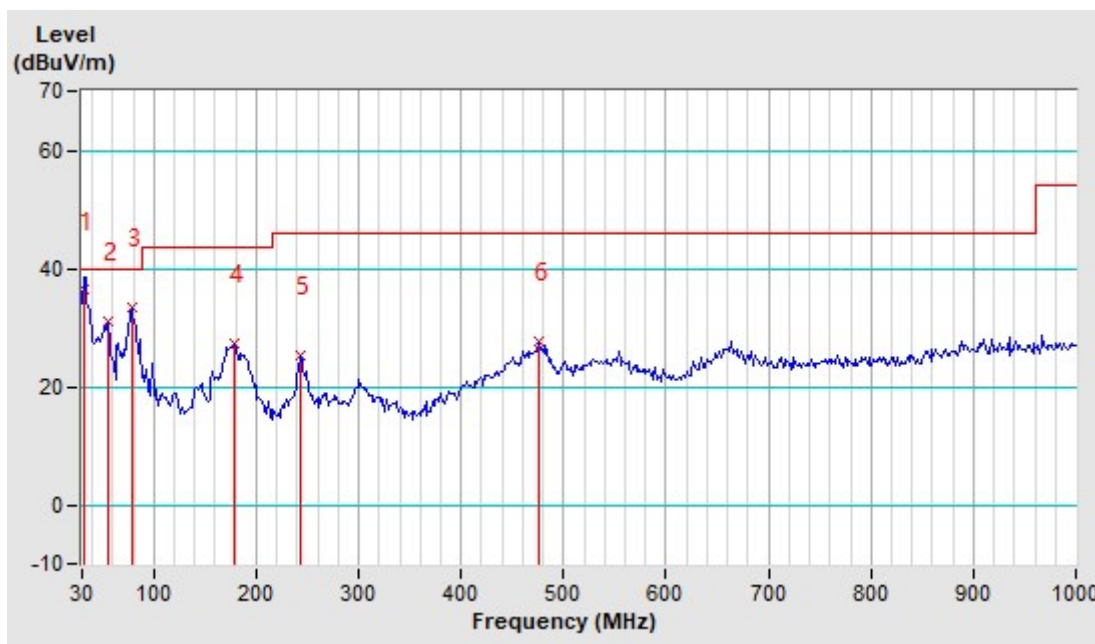
- REMARKS:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 2. Negative sign (-) in the margin column signify levels below the limit.
 3. Frequency range scanned: 30-1000MHz.
 4. Only emissions 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	25deg. C, 56% RH	Tested By	Ludius
Test date	2025-05-10		

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	32.39	-19.04	55.34	36.30	40.00	-3.70	201	321
2	54.87	-17.46	48.47	31.01	40.00	-8.99	104	50
3	78.19	-21.80	55.28	33.48	40.00	-6.52	214	21
4	179.23	-18.26	45.62	27.36	43.50	-16.14	278	79
5	242.96	-17.63	42.95	25.32	46.00	-20.68	302	95
6	476.14	-10.48	38.10	27.62	46.00	-18.38	100	167

- 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.





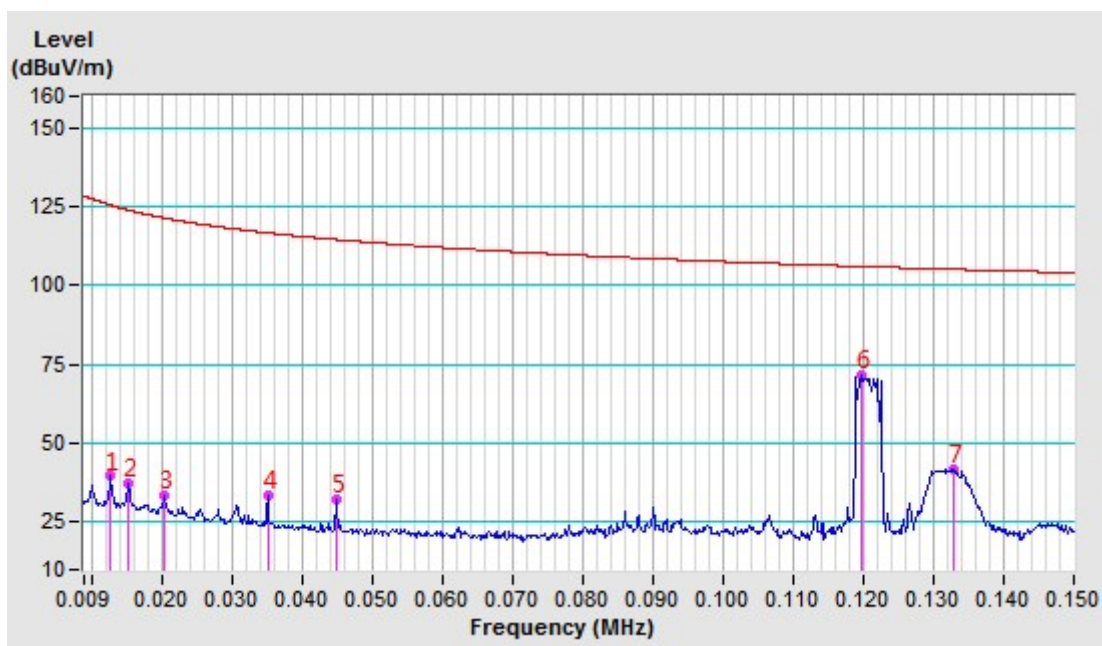
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Test Report No.: RF2504WDG0372

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
Test Date	2025-04-29		

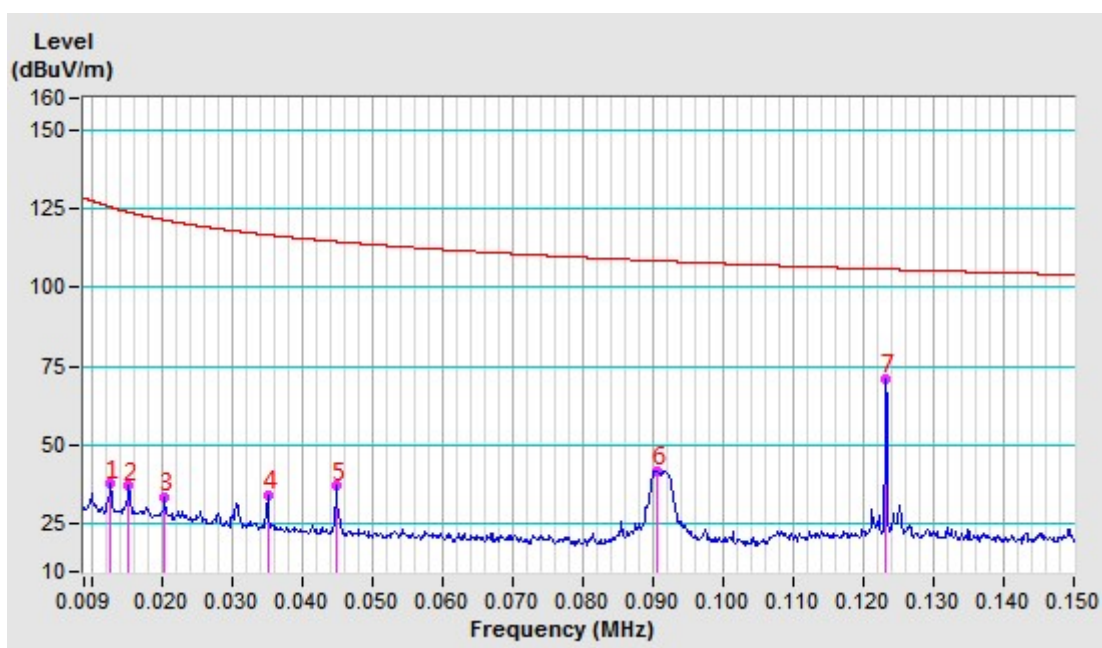
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m

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	-16.94	56.50	39.56	125.45	-85.89	130	56
2	0.0153AV	-16.95	54.54	37.59	123.91	-86.32	130	186
3	0.0205AV	-16.98	50.80	33.82	121.37	-87.55	130	56
4	0.0352AV	-16.94	50.41	33.47	116.67	-83.20	130	34
5	0.0450AV	-16.72	49.27	32.55	114.54	-81.99	130	180
6	0.1198AV	-16.89	88.56	71.67	106.03	-34.36	130	177
7	0.1330AV	-16.83	58.54	41.71	105.13	-63.42	130	164



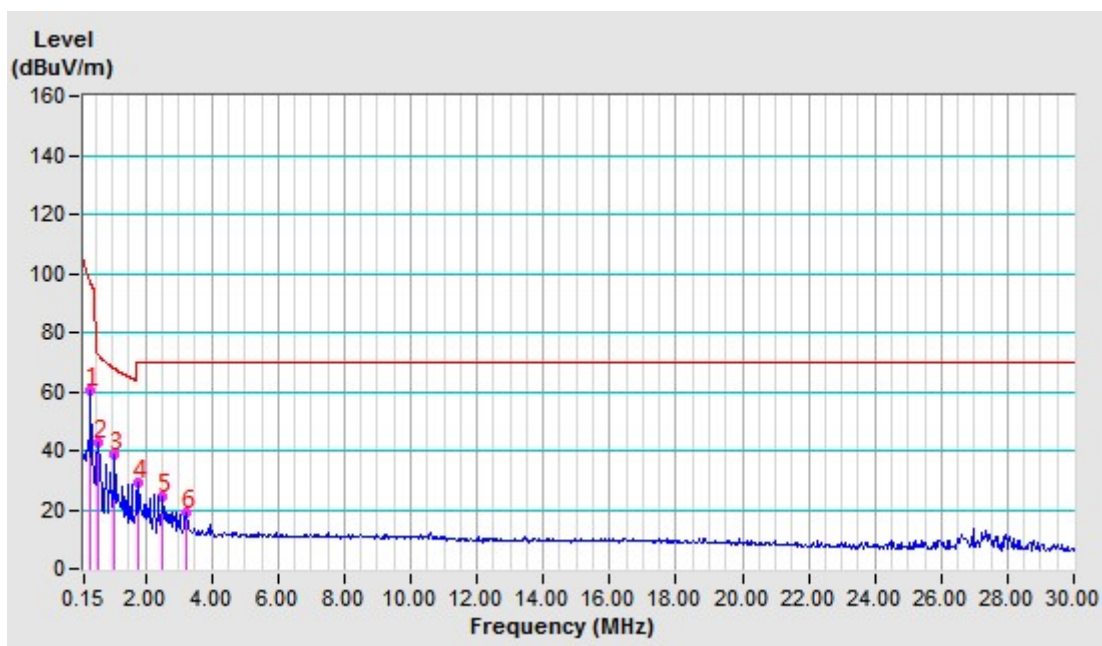
Test Mode	C	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert
Test Date	2025-04-29		

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	0.01280AV	-16.94	54.67	37.73	125.46	-87.73	130	7
2	0.0154AV	-16.95	53.99	37.04	123.87	-86.83	130	28
3	0.0205AV	-16.98	50.35	33.37	121.38	-88.01	130	63
4	0.0352AV	-16.94	50.91	33.97	116.67	-82.70	130	180
5	0.0450AV	-16.72	53.77	37.05	114.54	-77.49	130	189
6	0.0905QP	-16.93	58.90	41.97	108.47	-66.50	130	156
7	0.1232AV	-16.88	87.83	70.95	105.79	-34.84	130	177



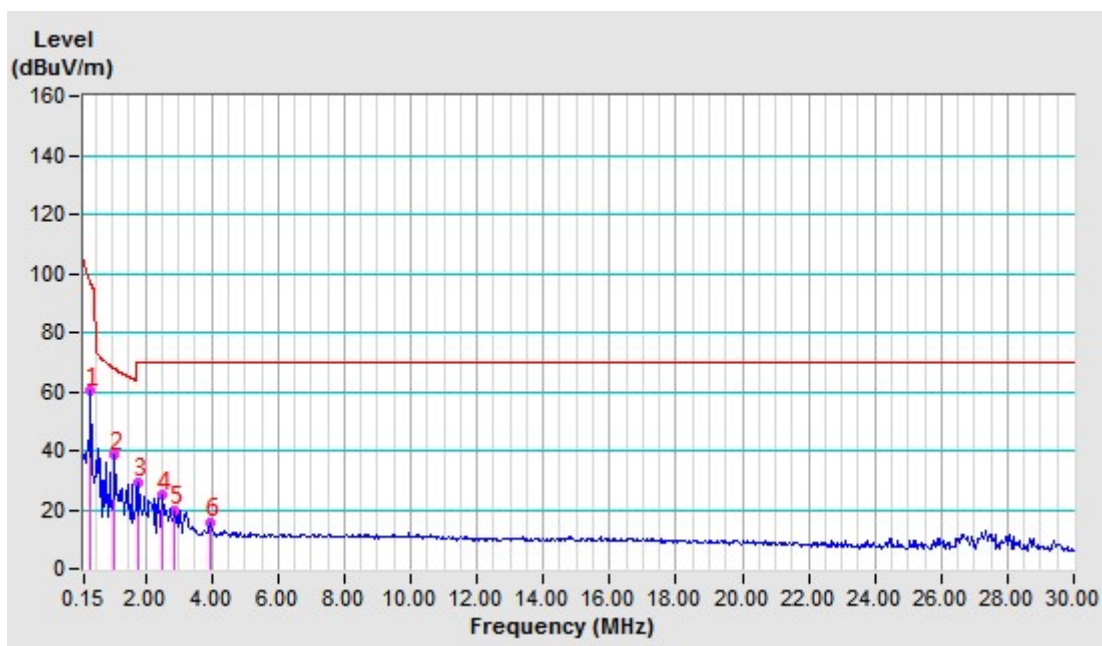
Test Mode	C	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert
Test Date	2025-04-29		

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	0.3590AV	-16.71	76.90	60.19	96.50	-36.31	130	207
2	0.5978QP	-16.82	59.43	42.61	72.23	-29.62	130	185
3	1.0799QP	-16.92	55.40	38.48	67.57	-29.09	130	29
4	1.7993QP	-16.87	46.06	29.19	69.54	-40.35	130	50
5	2.5187QP	-16.82	41.14	24.32	69.54	-45.22	130	47
6	3.2396QP	-16.78	35.56	18.78	69.54	-50.76	130	44



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
Test Date	2025-04-29		

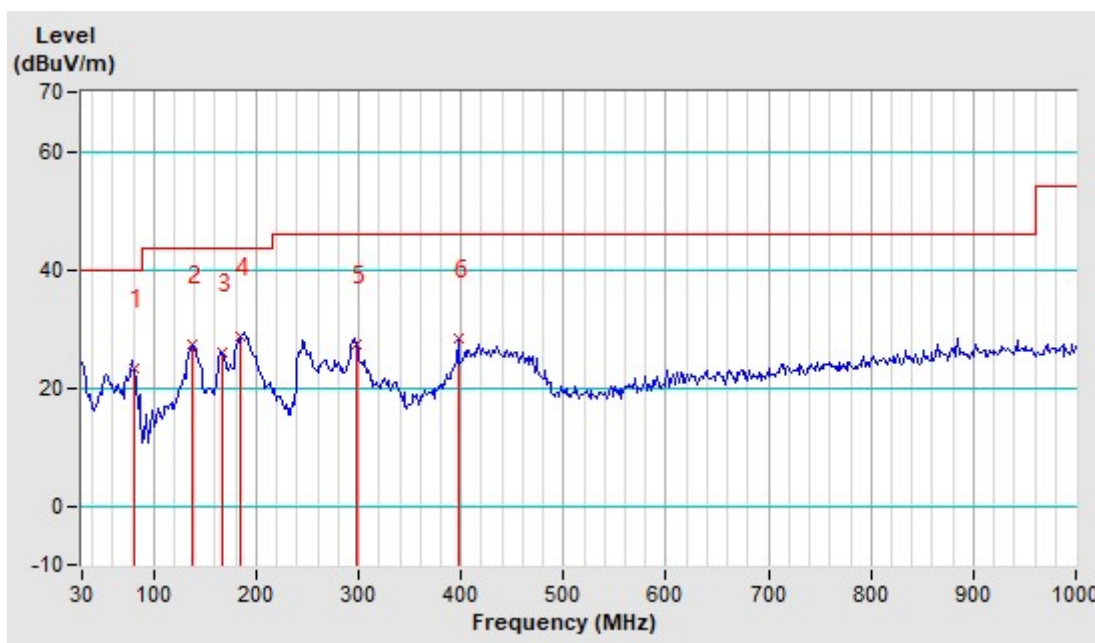
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.3590AV	-16.71	76.83	60.12	96.50	-36.38	130	208
2	1.0799QP	-16.92	55.36	38.44	67.57	-29.13	130	206
3	1.7993QP	-16.87	46.15	29.28	69.54	-40.26	130	47
4	2.5202QP	-16.82	41.81	24.99	69.54	-44.55	130	218
5	2.8889QP	-16.79	36.58	19.79	69.54	-49.75	130	186
6	3.9591QP	-16.73	32.49	15.76	69.54	-53.78	130	192



Test Mode	C	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	2025-05-10		

Antenna Polarity & Test Distance: Horizontal At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	81.30	-22.48	45.81	23.33	40.00	-16.67	187	292
2	137.26	-17.45	44.68	27.23	43.50	-16.27	170	275
3	166.79	-17.12	43.17	26.05	43.50	-17.45	137	242
4	185.45	-18.89	47.46	28.57	43.50	-14.93	151	256
5	297.37	-15.31	42.55	27.24	46.00	-18.76	109	215
6	396.86	-12.83	41.16	28.33	46.00	-17.67	122	228

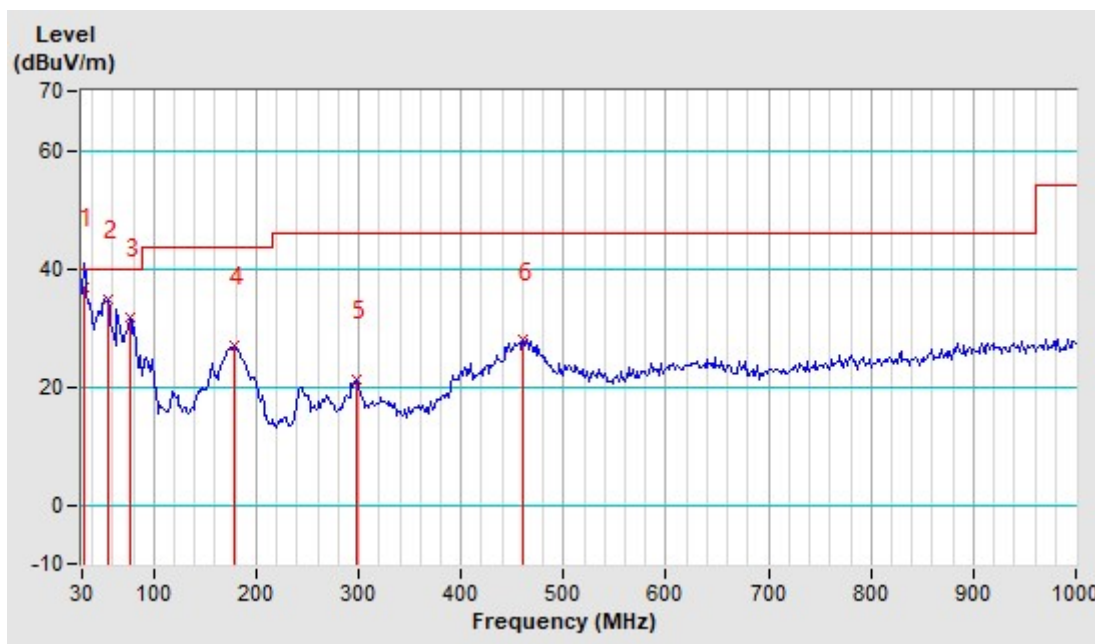
- REMARKS:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 2. Negative sign (-) in the margin column signify levels below the limit.
 3. Frequency range scanned: 30-1000MHz.
 4. Only emissions 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	25deg. C, 56% RH	Tested By	Ludius
Test date	2025-05-10		

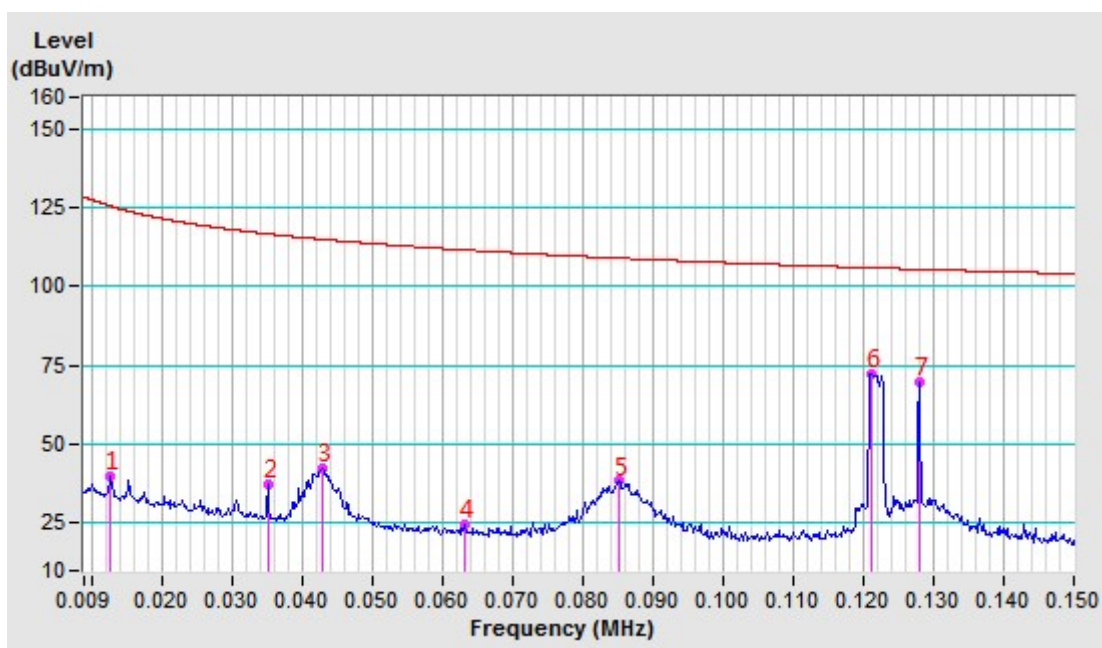
Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	32.39	-19.04	55.74	36.70	40.00	-3.30	210	21
2	54.87	-17.46	52.19	34.73	40.00	-5.27	103	23
3	76.63	-21.33	53.14	31.81	40.00	-8.19	105	36
4	179.23	-18.26	45.26	27.00	43.50	-16.50	108	51
5	297.37	-15.31	36.53	21.22	46.00	-24.78	211	86
6	460.59	-10.73	38.58	27.85	46.00	-18.15	100	70

- 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.



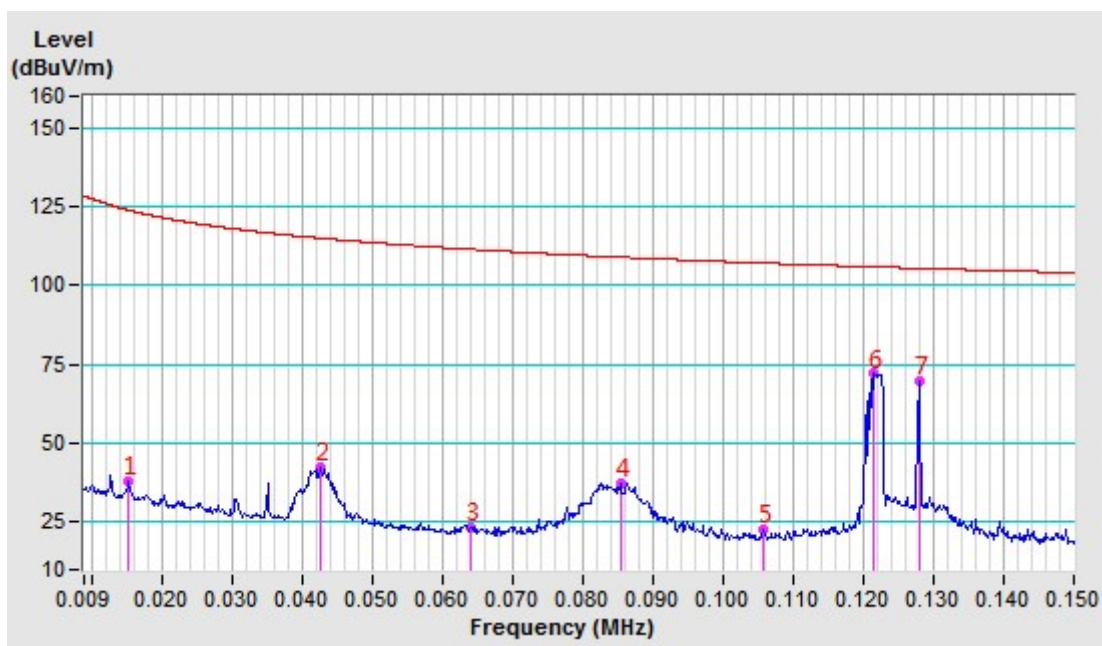
Test Mode	D	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert
Test Date	2025-04-29		

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	-16.94	56.78	39.84	125.45	-85.61	130	227
2	0.0352AV	-16.94	54.09	37.15	116.67	-79.52	130	52
3	0.0430AV	-16.75	59.09	42.34	114.94	-72.60	130	160
4	0.0632AV	-16.73	41.40	24.67	111.58	-86.91	130	1
5	0.0851AV	-16.91	55.20	38.29	109.00	-70.71	130	170
6	0.1212AV	-16.88	89.07	72.19	105.93	-33.74	130	0
7	0.1280AV	-16.85	86.65	69.80	105.46	-35.66	130	180



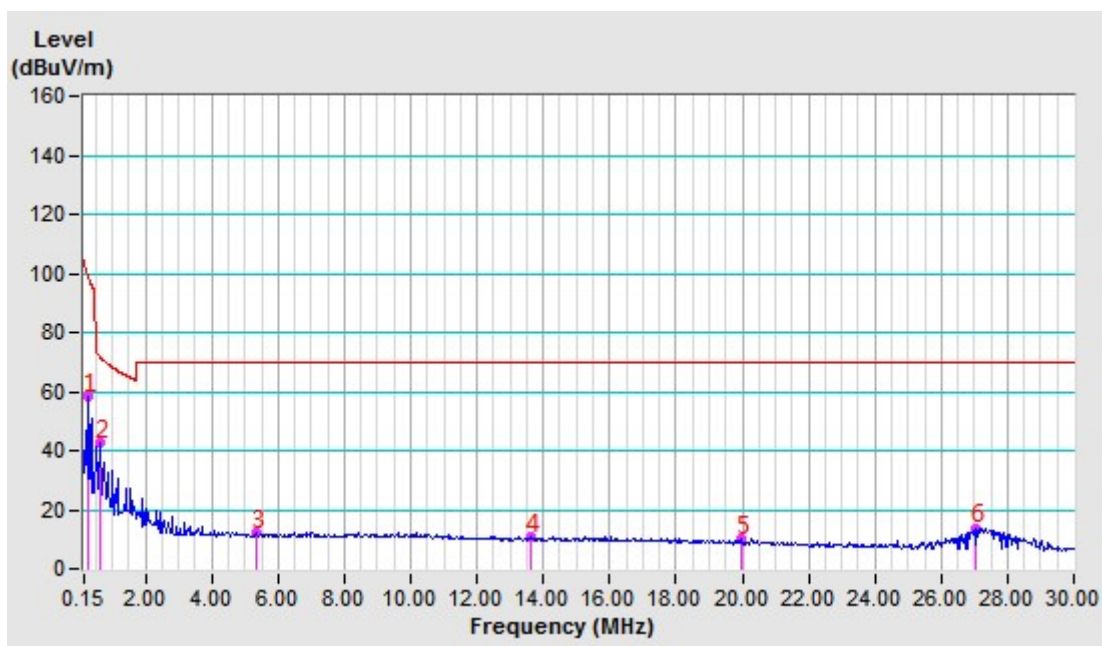
Test Mode	D	Frequency Range	9 kHz ~ 150 KHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert
Test Date	2025-04-29		

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	-16.95	55.23	38.28	123.89	-85.61	130	256
2	0.0427AV	-16.76	59.17	42.41	114.99	-72.58	130	146
3	0.0642AV	-16.74	40.36	23.62	111.45	-87.83	130	134
4	0.0854AV	-16.91	54.27	37.36	108.98	-71.62	130	141
5	0.1059QP	-16.93	39.81	22.88	107.11	-84.23	130	184
6	0.1215AV	-16.88	88.86	71.98	105.91	-33.93	130	177
7	0.1280AV	-16.85	86.60	69.75	105.46	-35.71	130	181



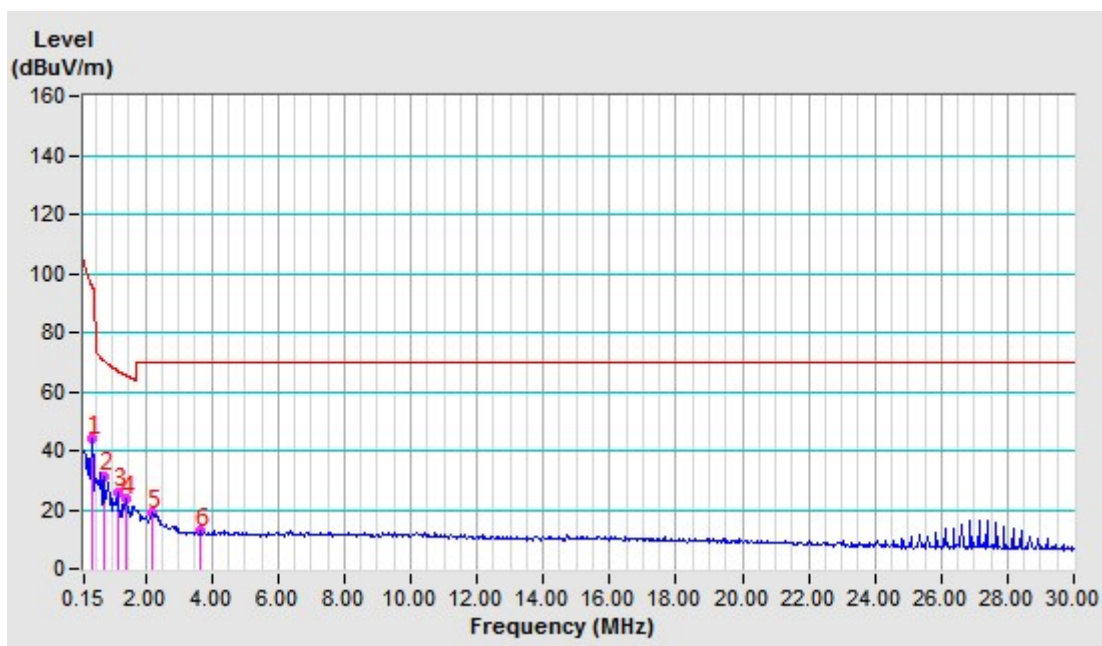
Test Mode	D	Frequency Range	150 kHz ~ 30 MHz
Test Voltage	AC 120V 60Hz	Detector Function	QP&AV
Environmental Conditions	25deg. C, 56% R	Tested By	Albert
Test Date	2025-04-29		

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	0.2545AV	-16.76	74.95	58.19	99.49	-41.30	130	180
2	0.6396QP	-16.84	59.35	42.51	71.70	-29.19	130	174
3	5.3755QP	-16.74	28.63	11.89	69.54	-57.65	130	322
4	13.613QP	-17.44	28.37	10.93	69.54	-58.61	130	352
5	19.943QP	-18.14	28.05	9.91	69.54	-59.63	130	288
6	27.0387QP	-19.52	33.30	13.78	69.54	-55.76	130	273



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
Test Date	2025-04-29		

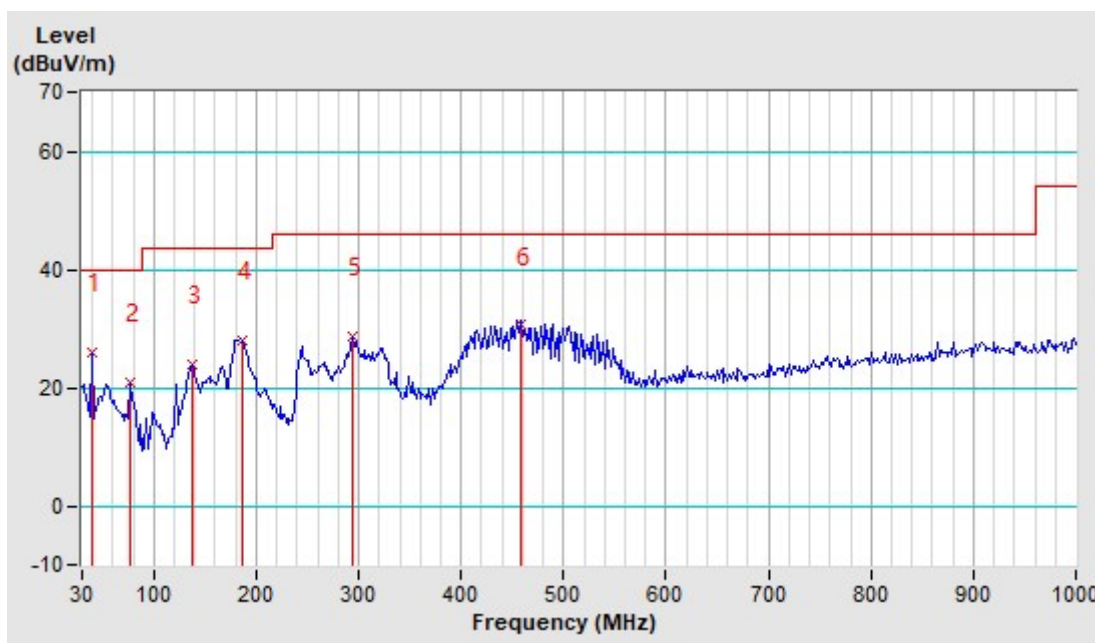
ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	0.3828QP	-16.73	60.53	43.80	95.94	-52.14	130	260
2	0.7246QP	-16.87	48.37	31.50	70.72	-39.22	130	355
3	1.1515QP	-16.92	42.96	26.04	67.06	-41.02	130	216
4	1.4067QP	-16.89	40.66	23.77	65.49	-41.72	130	219
5	2.1933QP	-16.84	35.59	18.75	69.54	-50.79	130	181
6	3.6546QP	-16.75	29.49	12.74	69.54	-56.80	130	225



Test Mode	D	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	2025-05-10		

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	39.33	-18.48	44.42	25.94	40.00	-14.06	208	102
2	76.63	-21.33	42.11	20.78	40.00	-19.22	224	118
3	137.26	-17.45	41.45	24.00	43.50	-19.50	194	88
4	187.00	-19.05	47.09	28.04	43.50	-15.46	179	73
5	294.26	-15.43	44.09	28.66	46.00	-17.34	251	144
6	457.48	-10.77	41.31	30.54	46.00	-15.46	158	52

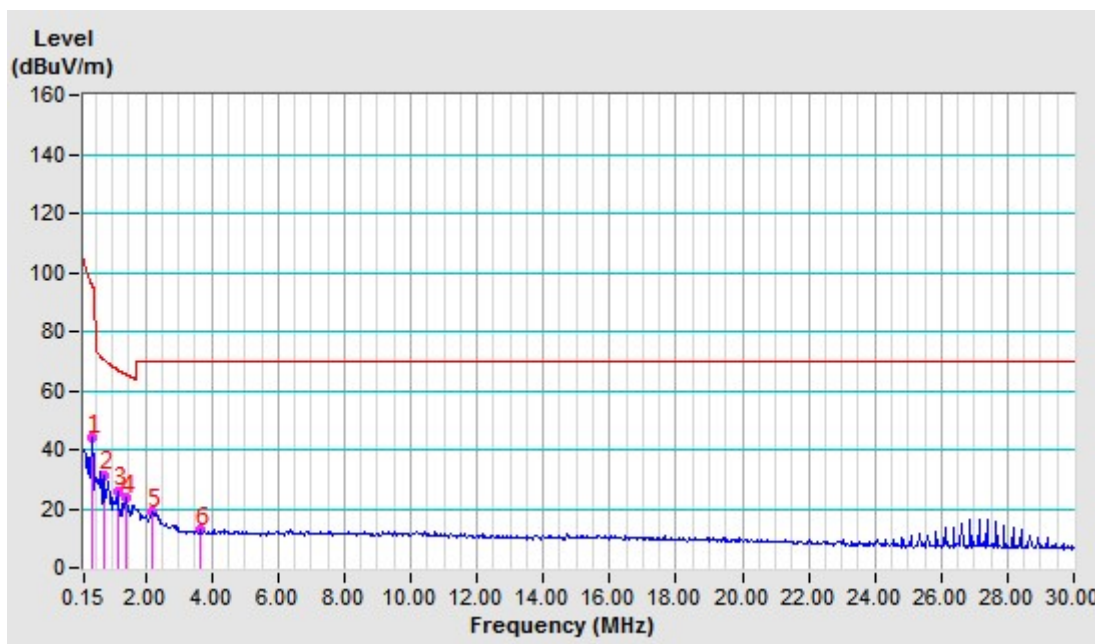
REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
2. Negative sign (-) in the margin column signify levels below the limit.
3. Frequency range scanned: 30-1000MHz.
4. Only emissions 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	25deg. C, 56% RH	Tested By	Ludius
Test date	2025-05-10		

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	-18.48	53.97	35.49	40.00	-4.51	100	0
2	62.64	-18.06	52.18	34.12	40.00	-5.88	100	0
3	180.79	-18.42	43.49	25.07	43.50	-18.43	100	0
4	448.16	-10.95	45.32	34.37	46.00	-11.63	100	0
5	502.56	-10.08	48.89	38.81	46.00	-7.19	100	25
6	547.64	-9.38	45.58	36.20	46.00	-9.80	100	0

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



4.3 20dB BANDWIDTH MEASUREMENT

4.3.1 LIMITS OF 20dB BANDWIDTH MEASUREMENT

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

4.3.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
Power Sensor	Keysight	U2021XA	MY57320002	Apr. 07, 26
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.

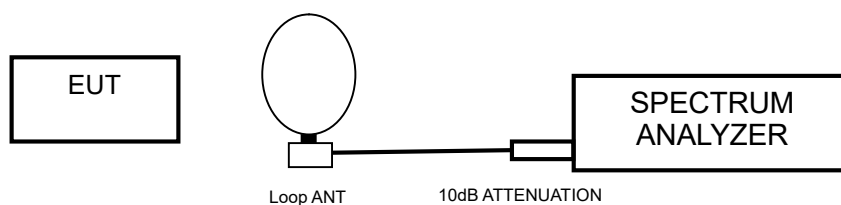
4.3.3 TEST PROCEDURE

- 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



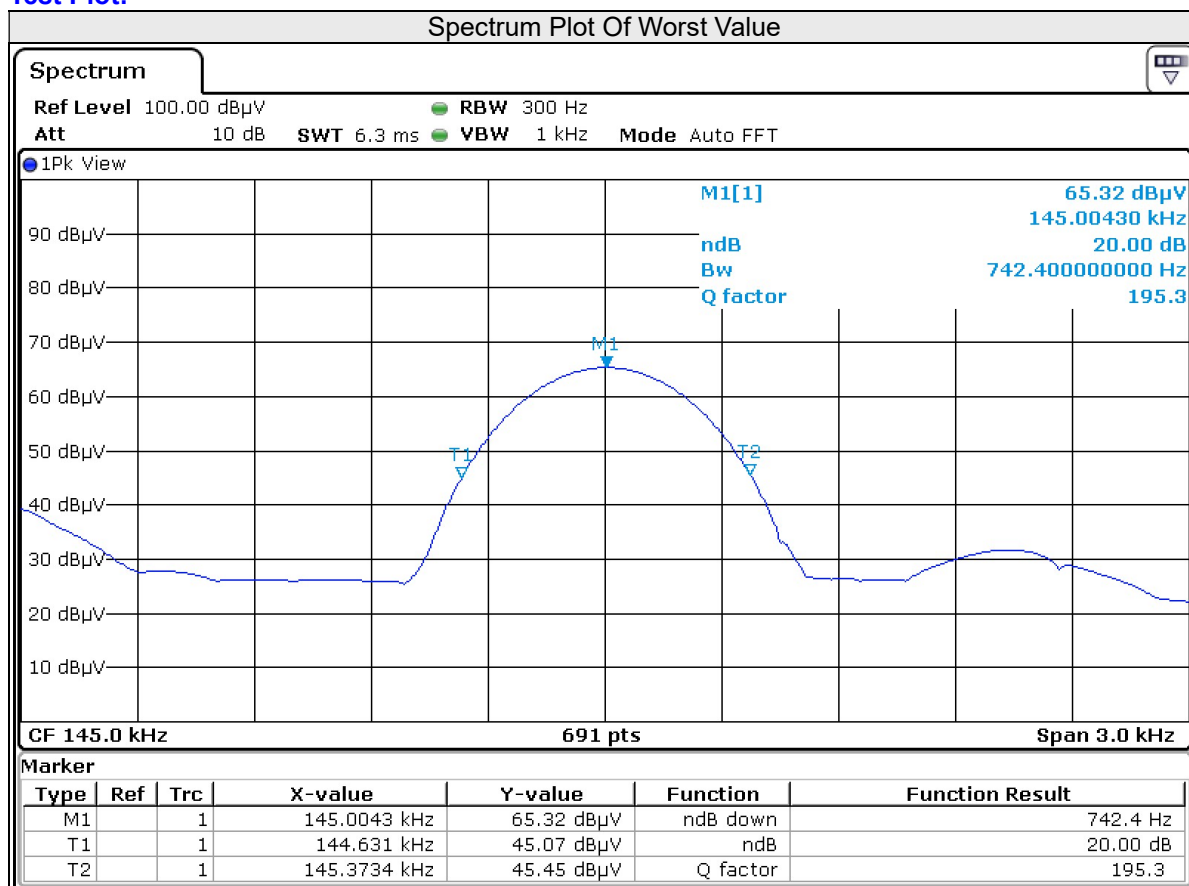
4.3.6 EUT OPERATING CONDITION

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

4.3.7 TEST RESULTS

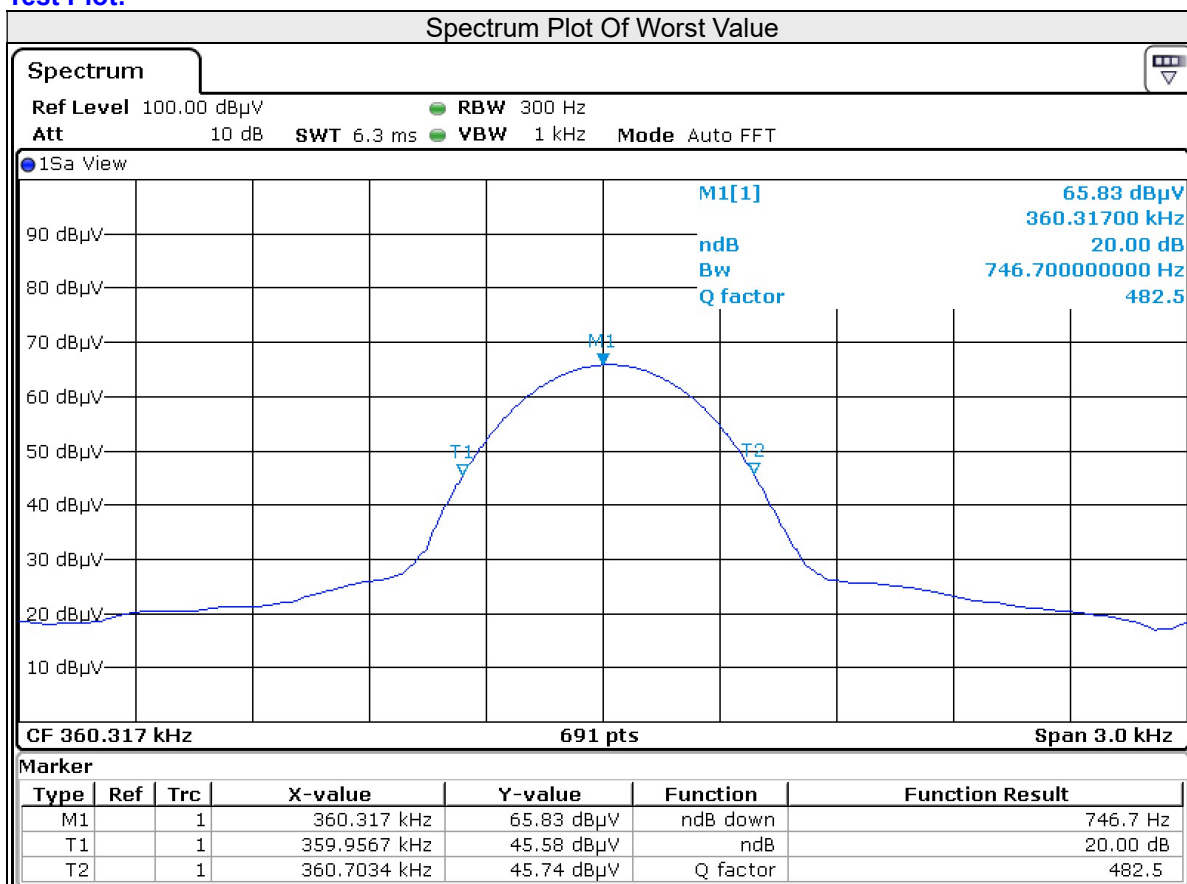
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
A	145(5W Coil)	742.4

Test Plot:



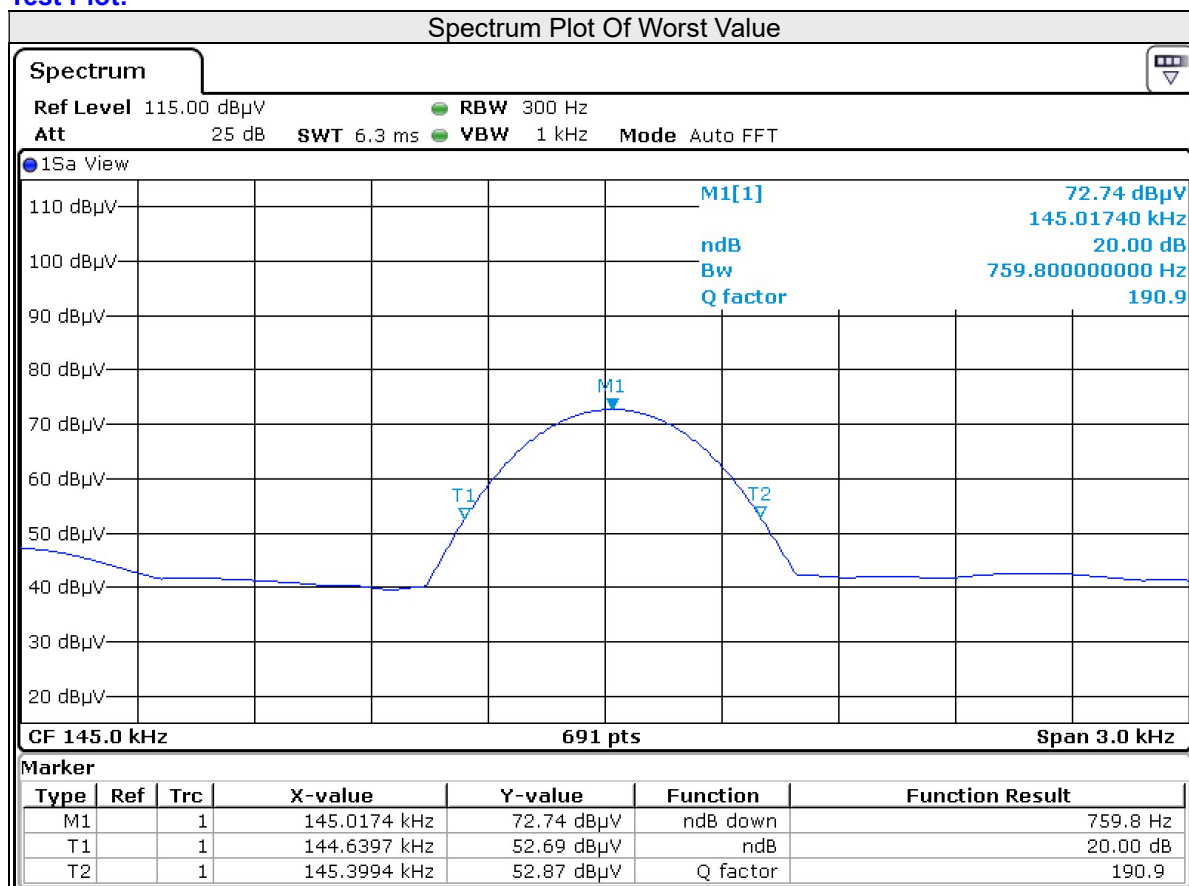
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
B	360(25W Coil)	746.7

Test Plot:



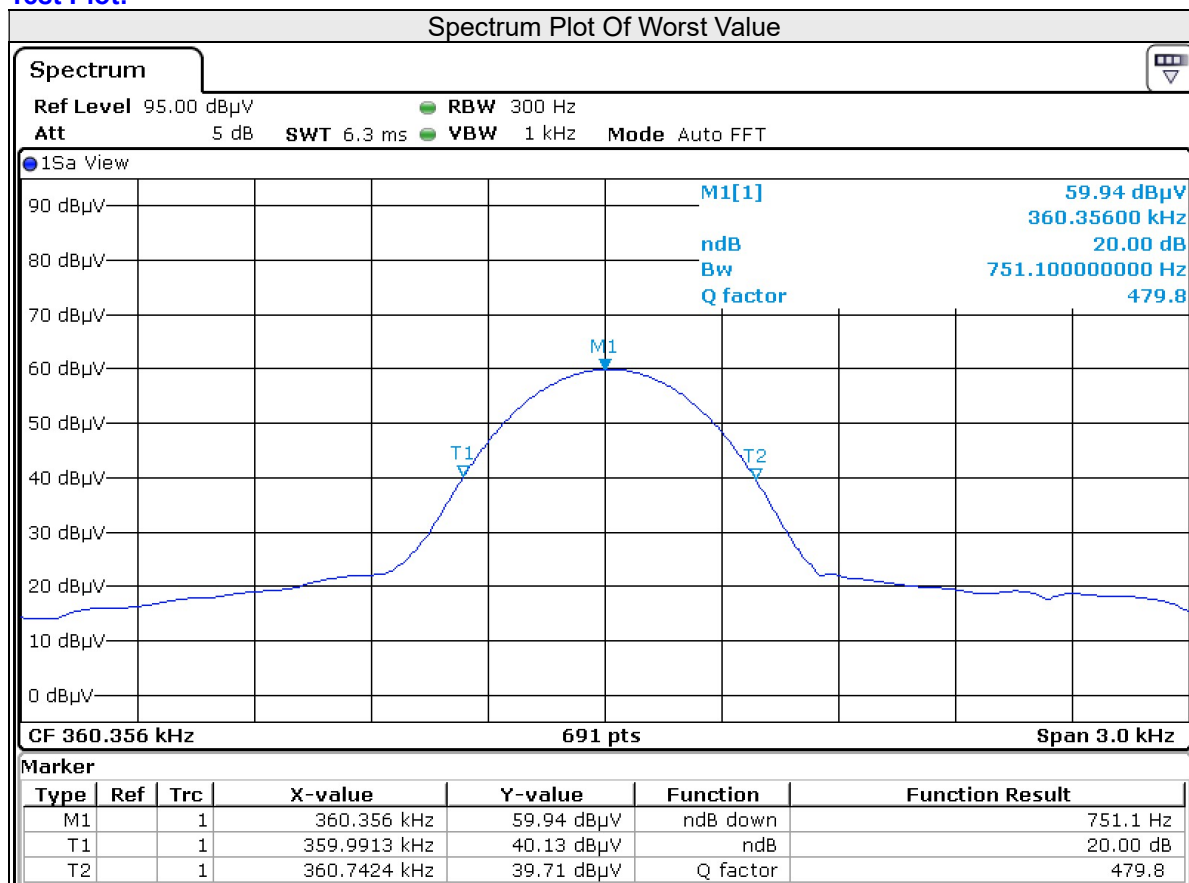
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
B	145(5W Coil)	759.8

Test Plot:



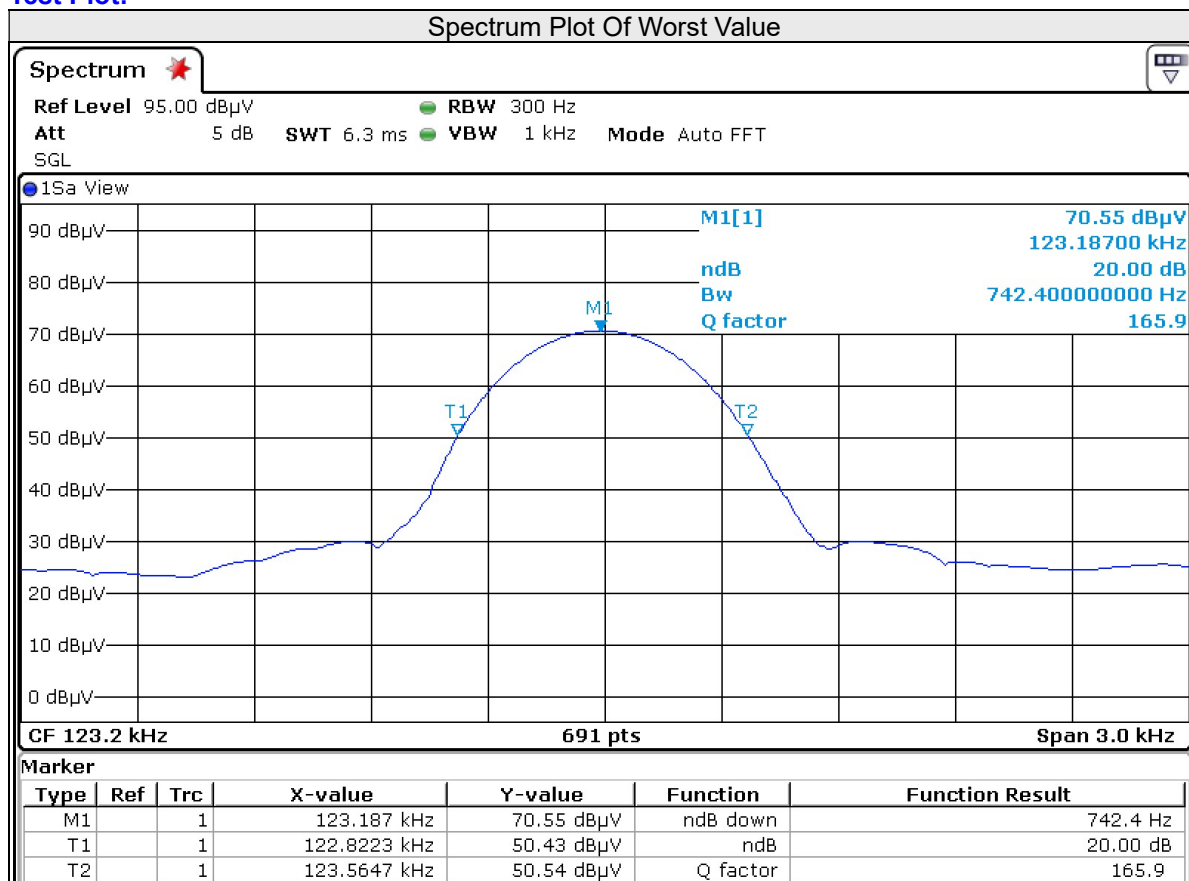
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
C	360(25W Coil)	751.1

Test Plot:



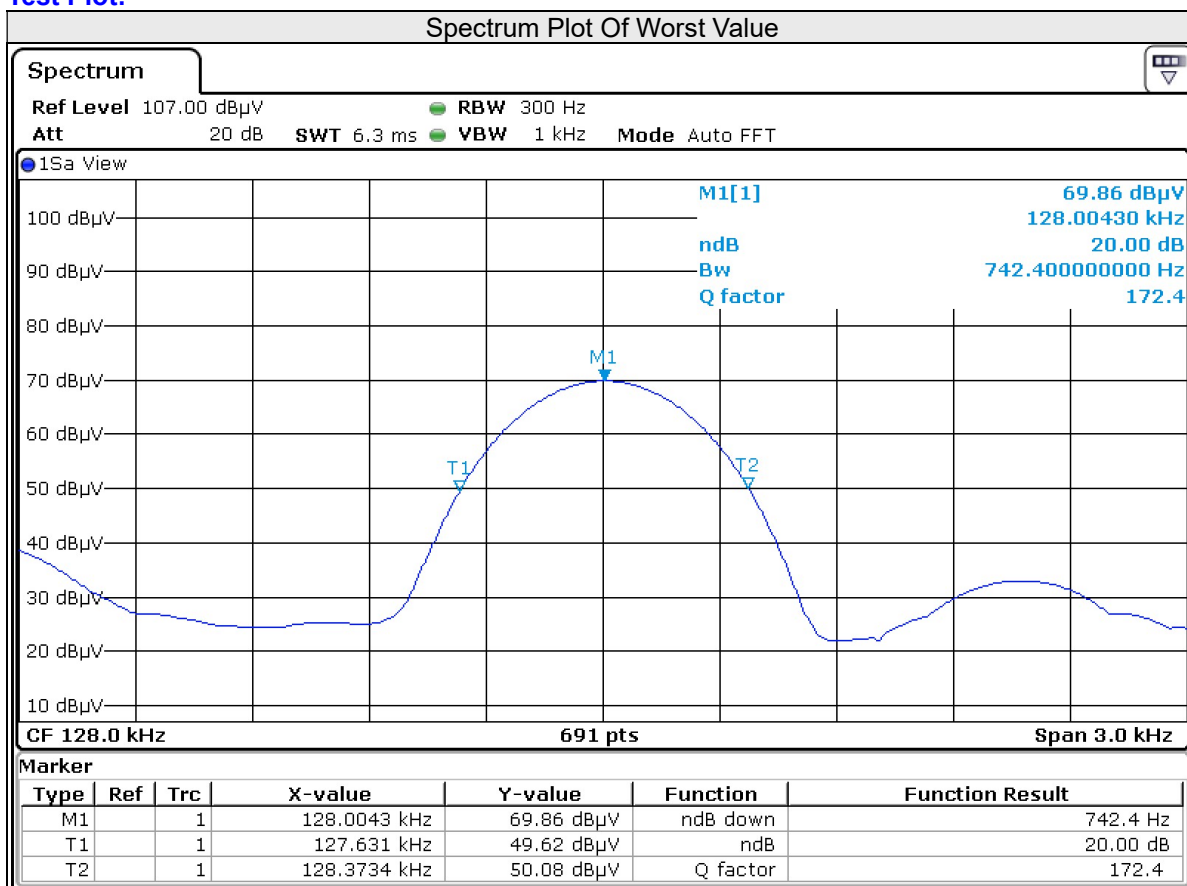
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
C	123.2(5W Coil)	742.4

Test Plot:



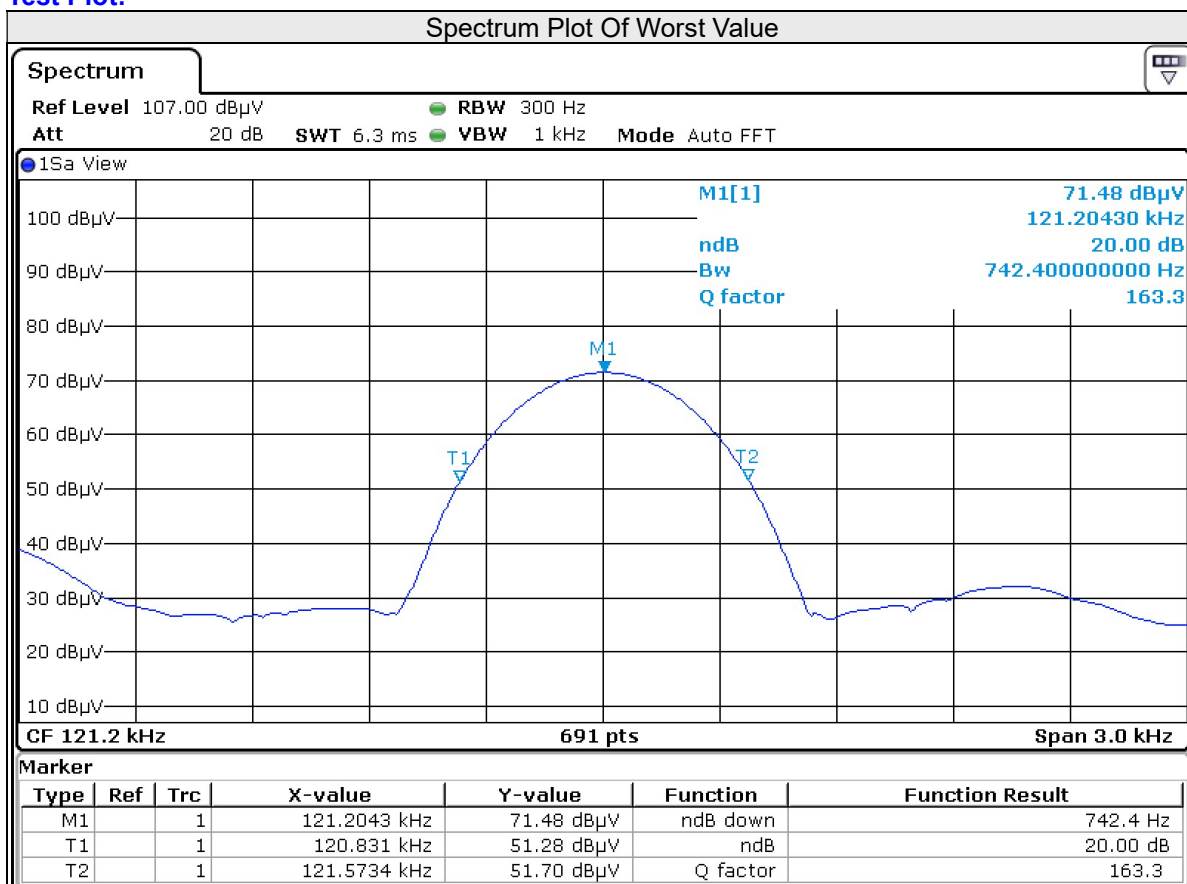
Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
D	128(25W Coil)	742.4

Test Plot:



Test Mode	Frequency (kHz)	20dB Bandwidth (Hz)
D	121.2(5W Coil)	742.4

Test Plot:





Test Report No.: RF2504WDG0372

5 PHOTOGRAPHS OF THE TEST CONFIGURATION

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

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

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

---END---