

FCC - TEST REPORT

Report Number : **68.950.22.0502.01** Date of Issue: **2022-06-23**

Model : **MW-02**

Product Type : **TURBOPOWER 50W WIRELESS CHARGING STAND**

Brand name : **MOTO**

Applicant : **Motorola Mobility LLC**

Address : **222 W. Merchandise Mart Plaza, Chicago Illinois 60654 USA**

Manufacturer : **Motorola Mobility LLC**

Address : **222 W. Merchandise Mart Plaza, Chicago Illinois 60654 USA**

Test Result : **Positive** **Negative**

Total pages including
Appendices : **26**

TÜV SÜD Certification and Testing (China) Co., Ltd. – Shenzhen Branch is a subcontractor to TÜV SÜD Product Service GmbH according to the principles outlined in ISO 17025.

TÜV SÜD Certification and Testing (China) Co., Ltd. – Shenzhen Branch reports apply only to the specific samples tested under stated test conditions. Construction of the actual test samples has been documented. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. The manufacturer/importer is responsible to the Competent Authorities in Europe for any modifications made to the production units which result in non-compliance to the relevant regulations. TÜV SÜD Certification and Testing (China) Co., Ltd. – Shenzhen Branch shall have no liability for any deductions, inferences or generalizations drawn by the client or others from TÜV SÜD Certification and Testing (China) Co., Ltd. – Shenzhen Branch issued reports.

This report is the confidential property of the client. As a mutual protection to our clients, the public and ourselves, extracts from the test report shall not be reproduced except in full without our written approval



1 Table of Contents

1	Table of Contents.....	2
2	Details about the Test Laboratory.....	3
3	Description of the Equipment Under Test.....	4
4	Summary of Test Standards	5
5	Summary of Test Results.....	6
6	General Remarks	7
7	Test Setups	8
8	Systems test configuration.....	9
9	Technical Requirement	10
9.1	Conducted Emission Test	10
9.2	20 dB Bandwidth	15
9.3	Radiated Emission Test	16
10	Test Equipment List.....	25
11	System Measurement Uncertainty.....	26



2 Details about the Test Laboratory

Details about the Test Laboratory

Test Site 1

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12 & 13, Zhiheng Wisdomland Business Park, Nantou Checkpoint
Road 2, Nanshan District
Shenzhen 518052
P.R. China

Telephone: 86 755 8828 6998

Fax: 86 755 828 5299

FCC Registration No.: 514049

No.:

3 Description of the Equipment Under Test

Product:	TURBOPOWER 50W WIRELESS CHARGING STAND
Model no.:	MW-02
FCC ID:	IHDT6AA2
Rating:	Input: 5-20VDC 3.5A Max Output: 50W Max
RF Transmission Frequency:	111-145KHz
Antenna Type:	Integrated coil antenna
Description of the EUT:	The Equipment Under Test (EUT) is a Wireless Charger which operated at 111-145kHz.



4 Summary of Test Standards

Test Standards	
FCC Part 15 Subpart C 10-1-2020 Edition	PART 15 - RADIO FREQUENCY DEVICES Subpart C - Intentional Radiators

All the test methods were according to ANSI C63.10 (2013).

5 Summary of Test Results

Technical Requirements					
FCC Part 15 Subpart C					
Test Condition		Test Site	Test Result		
			Pass	Fail	N/A
§15.207	Conducted emission AC power port	Site 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--	20dB bandwidth	Site 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
§15.205	Restricted bands of operation	Site 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
§15.209	Radiated emission	Site 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
§15.203	Antenna requirement	See note 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Note 1: The EUT uses an integrated coil antenna, which gain is 0dBi. In accordance to §15.203, it is considered sufficiently to comply with the provisions of this section.

6 General Remarks

Remarks

This submittal(s) (test report) complies with Section 15.207, 15.209, 15.205 of the FCC Part 15, Subpart C rules.

SUMMARY:

All tests according to the regulations cited on page 5 were

■ - Performed

□ - **Not** Performed

The Equipment under Test

■ - **Fulfills** the general approval requirements.

□ - **Does not** fulfill the general approval requirements.

Sample Received Date: 2022-05-06

Testing Start Date: 2022-05-06

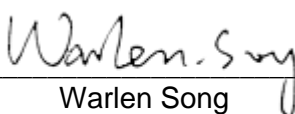
Testing End Date: 2022-06-16

- TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch -

Reviewed by:

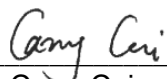

John Zhi
Project Manager

Prepared by:


Warlen Song
Project Engineer

Tested by:

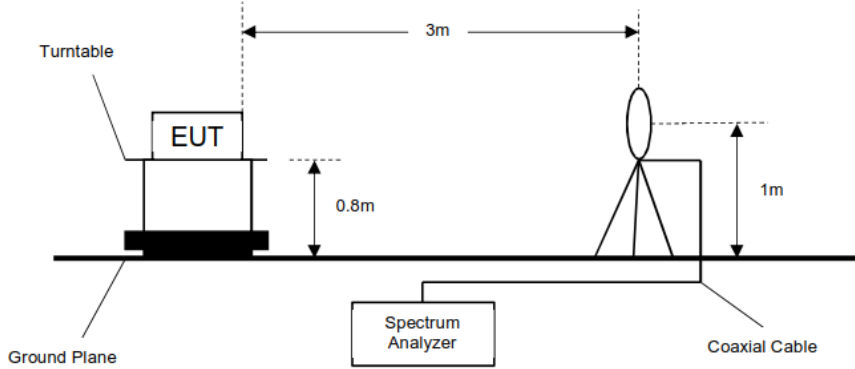



Carry Cai
Test Engineer

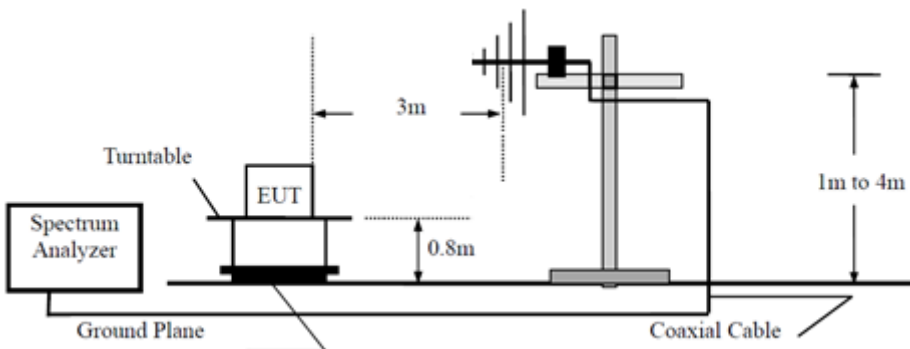
7 Test Setups

7.1 Radiated test setups

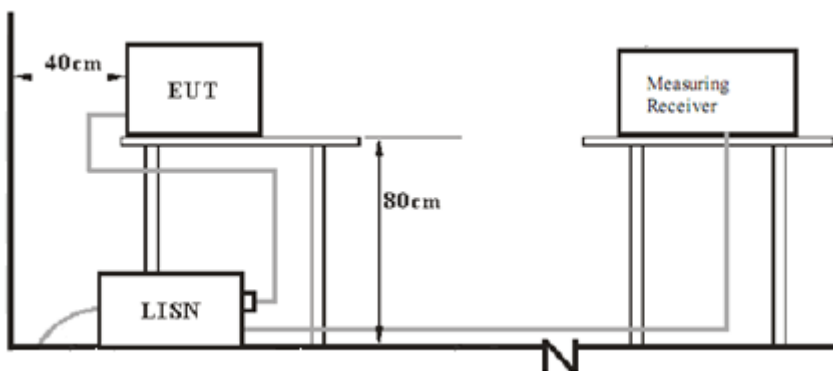
Below 30MHz



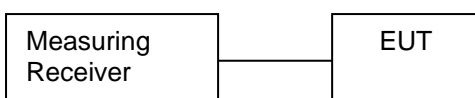
30MHz-1GHz



7.2 AC Power Conducted test setups



7.3 Conducted RF test setups



8 Systems test configuration

Auxiliary Equipment Used during Test:

Description	Manufacturer	Model NO.	S/N
Adapter	Moto	MC688	---
Communicated Auxiliary	---	---	---

9 Technical Requirement

9.1 Conducted Emission Test

Test Method

1. The EUT was placed on a table, which is 0.8m above ground plane
2. The power line of the EUT is connected to the AC mains through an Artificial Mains Network (A.M.N.).
3. Maximum procedure was performed to ensure EUT compliance
4. A EMI test receiver is used to test the emissions from both sides of AC line

Limit

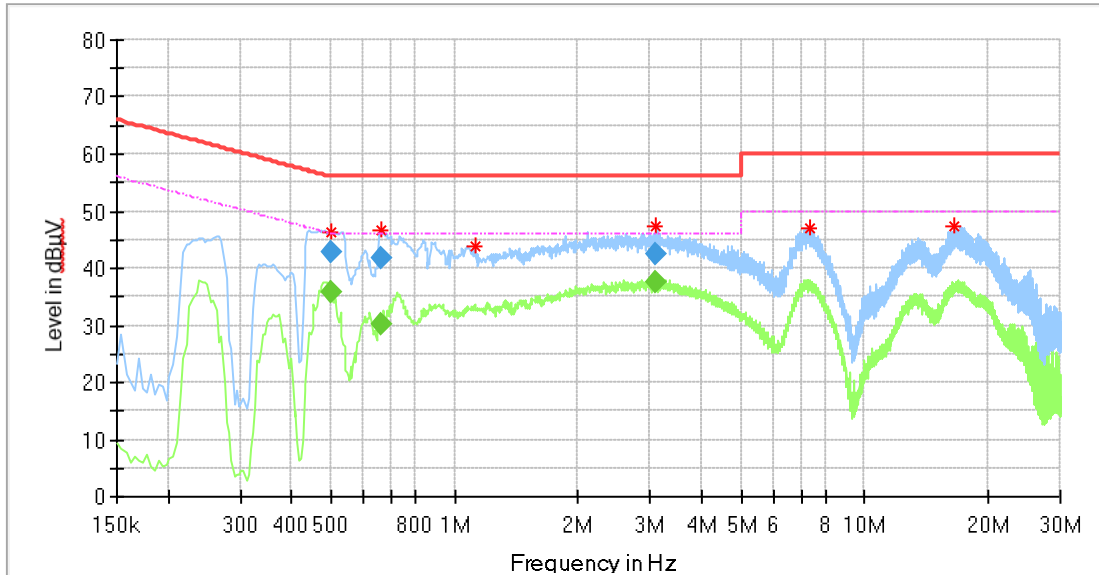
According to §15.207, conducted emissions limit as below:

Frequency	QP Limit	AV Limit
MHz	dB μ V	dB μ V
0.150-0.500	66-56*	56-46*
0.500-5	56	46
5-30	60	50

*Decreasing linearly with logarithm of the frequency

Conducted Emission

Model: MW-02
 Test mode: Top coil+Charging
 Test Voltage: AC 120V/60Hz
 Remark:



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.502500	46.47	---	56.03	9.56	L1	9.65
0.661500	46.53	---	56.00	9.47	L1	9.65
1.118000	43.93	---	56.00	12.07	L1	9.66
3.105500	47.29	---	56.00	8.71	L1	9.74
7.394000	47.03	---	60.00	12.97	L1	9.96
16.546000	47.53	---	60.00	12.47	L1	10.27

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.502500	---	35.73	46.00	10.27	L1	9.65
0.502500	42.96	---	56.00	13.04	L1	9.65
0.661500	---	30.10	46.00	15.90	L1	9.65
0.661500	41.80	---	56.00	14.20	L1	9.65
3.105500	---	37.43	46.00	8.57	L1	9.74
3.105500	42.54	---	56.00	13.46	L1	9.74

Remark:

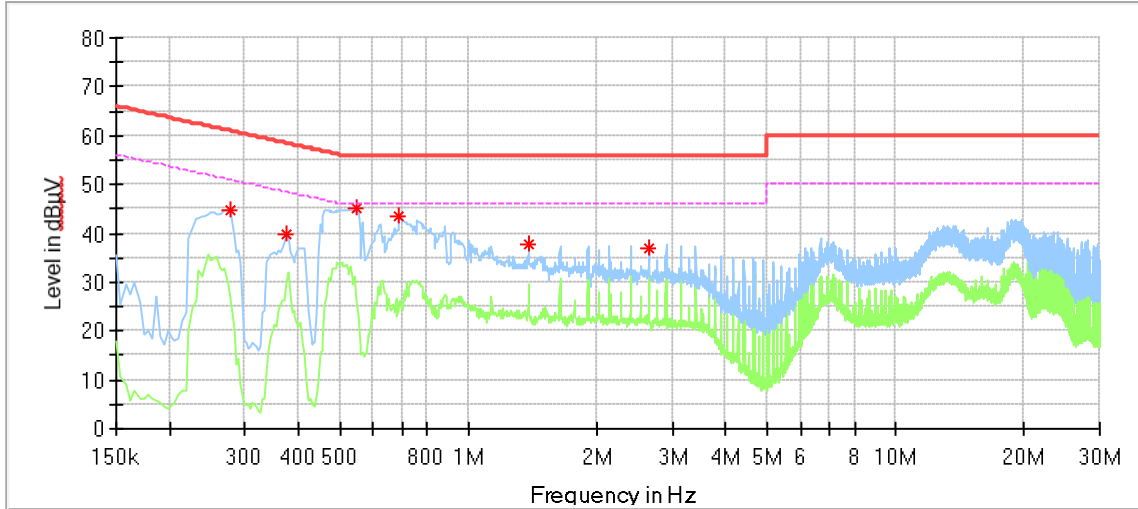
Level=Reading Level + Correction Factor

Correction Factor=Cable Loss + LISN Factor

(The Reading Level is recorded by software which is not shown in the sheet)

Conducted Emission

Model: MW-02
 Test mode: Top coil+Charging
 Test Voltage: AC 120V/60Hz
 Remark:



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.278000	44.73	---	60.88	16.14	L1	9.22
0.374000	39.76	---	58.41	18.65	L1	9.21
0.546000	45.20	---	56.00	10.80	L1	9.20
0.690000	43.30	---	56.00	12.70	L1	9.20
1.382000	37.64	---	56.00	18.36	L1	9.21
2.650000	36.95	---	56.00	19.05	L1	9.25

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
---	---	---	---	---		---

Remark:

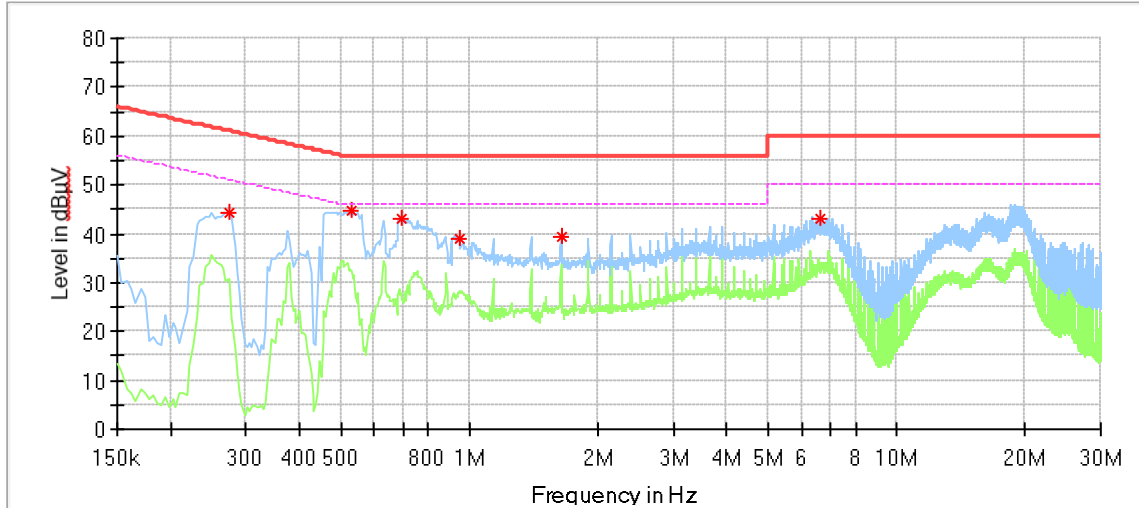
Level=Reading Level + Correction Factor

Correction Factor=Cable Loss + LISN Factor

(The Reading Level is recorded by software which is not shown in the sheet)

Conducted Emission

Model: MW-02
 Test mode: Down coil+Charging
 Test Voltage: AC 120V/60Hz
 Remark:



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.274000	44.32	---	61.00	16.68	N	9.39
0.530000	44.52	---	56.00	11.48	N	9.40
0.694000	43.12	---	56.00	12.88	N	9.39
0.946000	38.89	---	56.00	17.11	N	9.39
1.638000	39.33	---	56.00	16.67	N	9.41
6.638000	43.19	---	60.00	16.81	N	9.55

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
---	---	---	---	---		---

Remark:

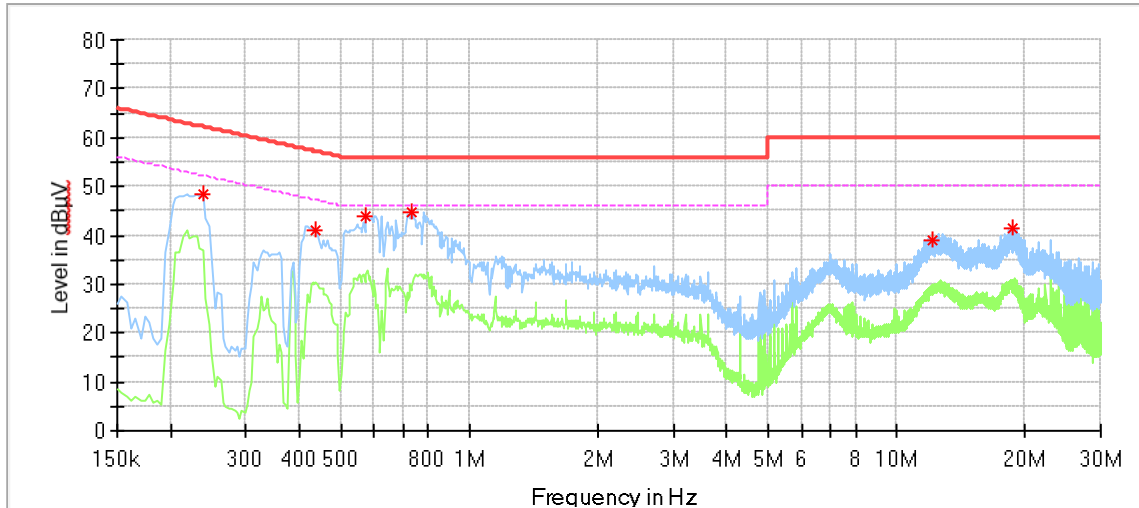
Level=Reading Level + Correction Factor

Correction Factor=Cable Loss + LISN Factor

(The Reading Level is recorded by software which is not shown in the sheet)

Conducted Emission

Model: MW-02
 Test mode: Down coil+Charging
 Test Voltage: AC 120V/60Hz
 Remark:



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.238000	48.56	---	62.17	13.61	L1	9.23
0.438000	40.97	---	57.10	16.13	L1	9.20
0.574000	44.01	---	56.00	11.99	L1	9.20
0.734000	44.74	---	56.00	11.26	L1	9.20
12.118000	39.10	---	60.00	20.90	L1	9.39
18.574000	41.49	---	60.00	18.51	L1	9.44

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
---	---	---	---	---		---

Remark:

Level=Reading Level + Correction Factor

Correction Factor=Cable Loss + LISN Factor

(The Reading Level is recorded by software which is not shown in the sheet)

9.2 20 dB Bandwidth

Test Method

1. Use the following spectrum analyzer settings:
RBW=200Hz, VBW≥3RBW, Sweep = auto, Detector function = peak, Trace = max hold
2. Use the automatic bandwidth measurement capability of an instrument, may be employed using the X dB bandwidth mode with X set to 20 dB, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be ≥ 20 dB.
3. Allow the trace to stabilize, record the X dB Bandwidth value.

Limit

Limit [kHz]

No Limit

The Top coil Test result

Frequency KHz	20dB bandwidth KHz	Result		Result
		F _L (KHz)	F _H (KHz)	
111KHz	0.87	110.64	--	Pass
145KHz	0.87	--	145.75	Pass

The Down coil Test result

Frequency KHz	20dB bandwidth KHz	Result		Result
		F _L (KHz)	F _H (KHz)	
111KHz	0.87	110.69	--	Pass
145KHz	0.87	--	145.94	Pass

The fundamental frequency is outside the restricted bands of 15.205 section.

9.3 Radiated Emission Test

Test Method

- 1: The EUT was placed on a turn table which is 0.8m above ground for below 1GHz at 3 meters chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- 2: The EUT was set 3 meters away from the interference – receiving antenna, which was mounted on the top of a variable – height antenna tower.
- 3: 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.
- 4: 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.
- 5: Use the following spectrum analyzer settings According to C63.10:

Limit

the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

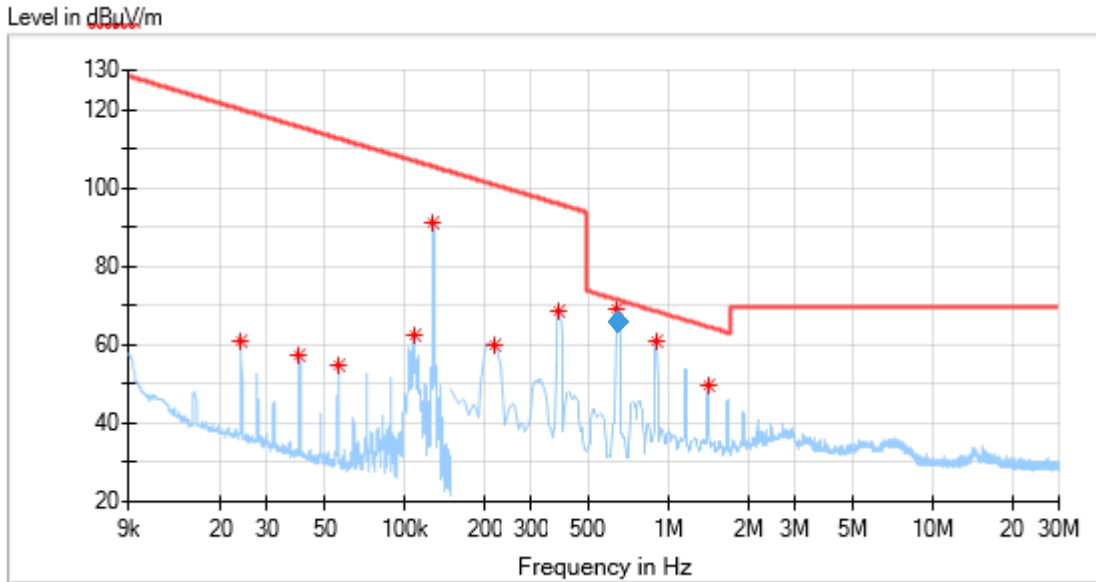
Frequency MHz	Field Strength $\mu\text{V/m}$	Field Strength $\text{dB}\mu\text{V/m}$	Detector	Measurement distance meters
0.009-0.490	2400/F(kHz)	48.5-13.8	AV	300
0.490-1.705	24000/F(kHz)	33.8-23.0	QP	30
1.705-30	30	29.5	QP	30
30-88	100	40	QP	3
88-216	150	43.5	QP	3
216-960	200	46	QP	3
960-1000	500	54	QP	3
Above 1000	500	54	AV	3
Above 1000	5000	74	PK	3

Note 1: $\text{Limit } 3\text{m}(\text{dB}\mu\text{V/m}) = \text{Limit } 300\text{m}(\text{dB}\mu\text{V/m}) + 40\text{Log}(300\text{m}/3\text{m})$ (Below 30MHz)

Note 2: $\text{Limit } 3\text{m}(\text{dB}\mu\text{V/m}) = \text{Limit } 30\text{m}(\text{dB}\mu\text{V/m}) + 40\text{Log}(30\text{m}/3\text{m})$ (Below 30MHz)

Radiated emissions test (9KHz-30MHz)

Model: MW-02
 Test mode: Top coil+Charging
 Test Voltage: AC 120V/60Hz
 Remark:



Critical Freqs

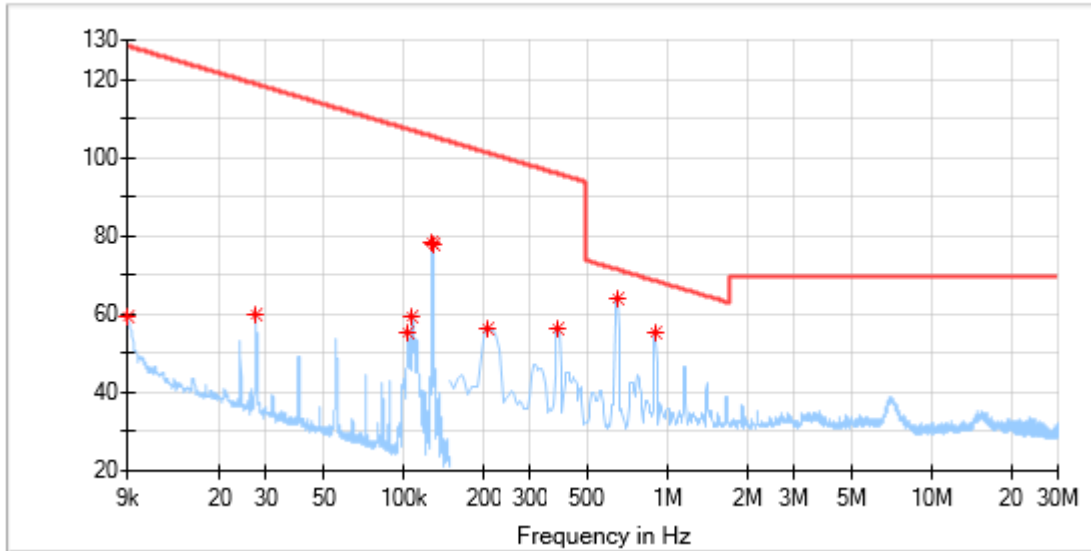
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.023946	61.07	120.02	58.95	H	0.0	20.11
0.039973	57.60	115.57	57.97	H	0.0	20.13
0.056000	54.86	112.64	57.78	H	0.0	20.17
0.108123*	62.50	106.92	44.42	H	258.0	20.14
0.128233	91.12	105.44	14.32	H	183.0	20.13
0.219650	60.01	100.77	40.76	H	254.0	20.08
0.383825	68.67	95.92	27.25	H	188.0	20.05
0.637550	68.43	71.51	3.08	H	188.0	19.96
0.896250	60.99	68.55	7.561	H	354.0	20.08
1.413650	49.43	64.60	15.17	H	359.0	20.05

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.637550	65.48	71.51	6.03	H	201.0	20.13

Model: MW-02
 Test mode: Top coil+Charging
 Test Voltage: AC 120V/60Hz
 Remark:

Level in dB μ V/m

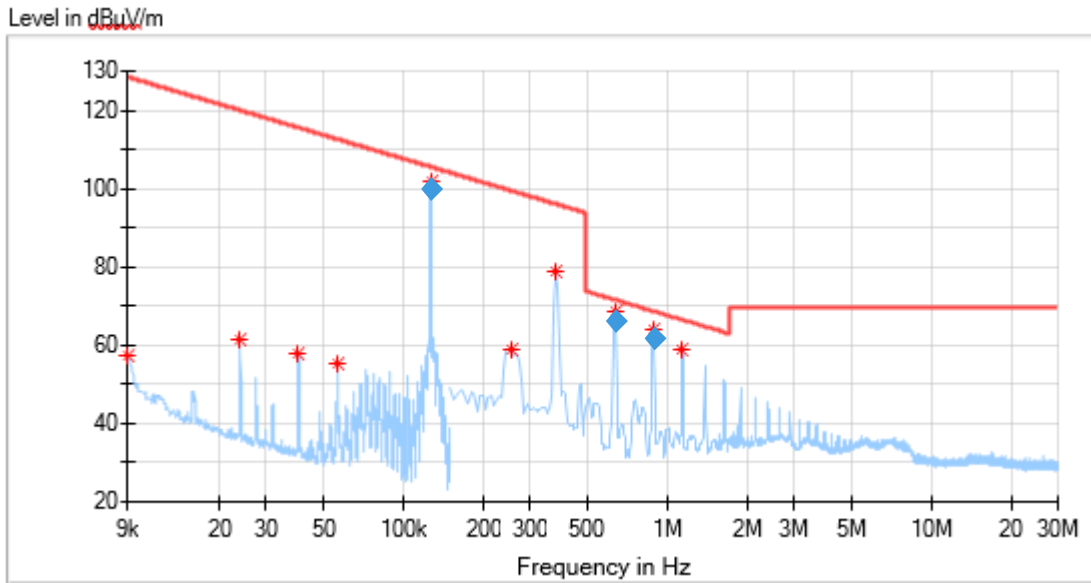


Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.009000	59.17	128.52	69.35	V	355.0	20.60
0.027565	60.03	118.80	58.76	V	279.0	20.12
0.104128	55.27	107.25	51.98	V	333.0	20.14
0.108029*	59.26	106.93	47.67	V	333.0	20.14
0.128380	78.47	105.43	26.96	V	272.0	20.13
0.129884	77.57	105.33	27.76	V	292.0	20.12
0.209700	56.26	101.17	44.91	V	324.0	20.08
0.383825	56.16	95.92	39.76	V	280.0	20.05
0.642525	64.24	71.44	7.20	V	280.0	19.96
0.896250	55.05	68.55	13.50	V	103.0	20.08



Model: MW-02
 Test mode: Down coil+Charging
 Test Voltage: AC 120V/60Hz
 Remark:



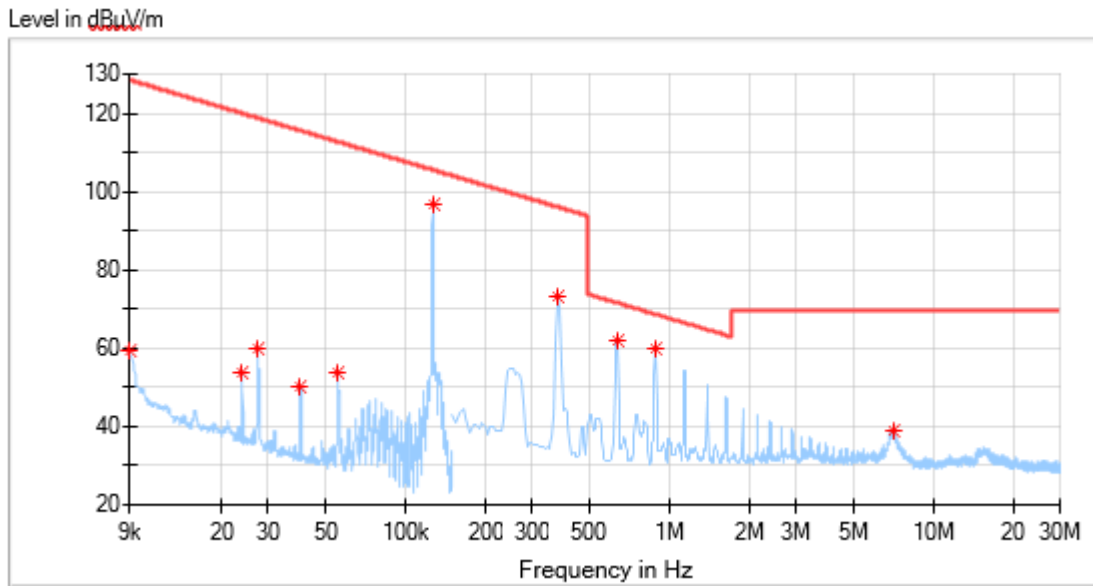
Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.009000	57.14	128.52	71.38	H	6.0	20.60
0.023946	61.54	120.02	58.48	H	0.0	20.11
0.039973	57.92	115.57	57.65	H	0.0	20.13
0.055953	55.41	112.64	57.24	H	0.0	20.17
0.126653	102.06	105.55	3.49	H	201.0	20.13
0.254475	58.67	99.49	40.82	H	243.0	20.08
0.378850	78.61	96.03	17.42	H	184.0	20.05
0.632575	68.57	71.58	3.01	H	184.0	19.96
0.881325	64.08	68.70	4.62	H	184.0	20.08
1.135050	58.83	66.50	7.67	H	184.0	20.05

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.126653	99.37	105.55	6.18	H	201.0	20.13
Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.632575	65.66	71.58	5.92	H	184.0	19.96
0.881325	62.84	68.70	5.86	H	184.0	20.08

Model: MW-02
 Test mode: Down coil+Charging
 Test Voltage: AC 120V/60Hz
 Remark:



Critical Freqs

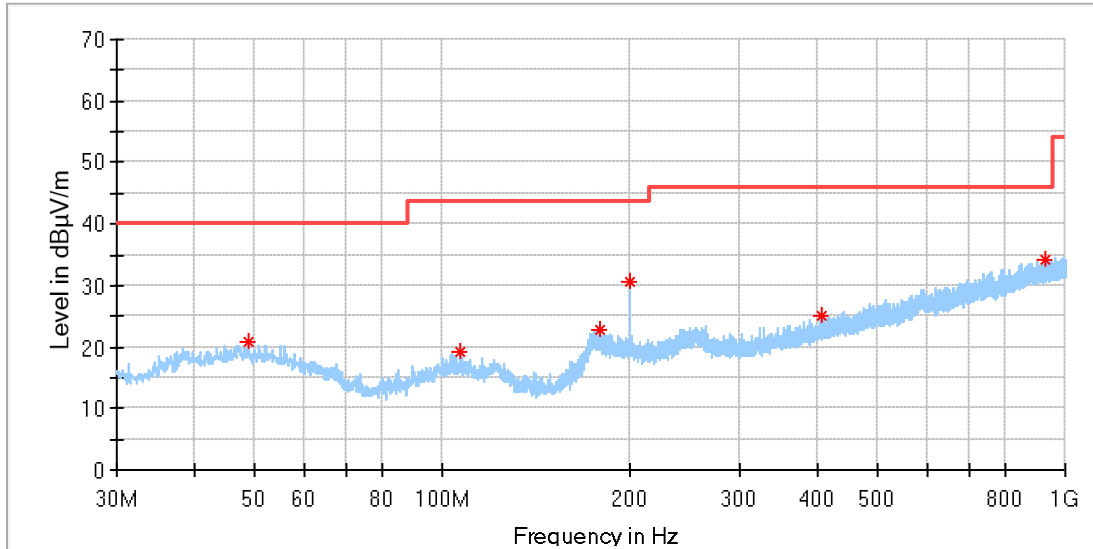
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.009000	59.25	128.52	69.27	V	6.0	20.60
0.023946	53.53	120.02	66.49	V	0.0	20.11
0.027565	60.05	118.79	58.74	V	283.0	20.12
0.039973	50.24	115.57	65.33	V	0.0	20.13
0.055154	53.75	112.77	59.02	V	324.0	20.17
0.126747	96.69	105.54	8.85	V	283.0	20.13
0.378850	73.06	96.03	22.97	V	280.0	20.05
0.632575	61.96	71.58	9.62	V	280.0	19.96
0.881325	60.15	68.70	8.55	V	280.0	20.08
7.025450	39.14	50.67	11.53	V	309.0	20.15

Remark:

- (1) "*" means the emission(s) appear within the restrict bands shall follow the requirement of section 15.205.
- (2) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are the noise floor or attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Below 1GHz: Corrector factor = Antenna Factor + Cable Loss.

Radiated emissions test (30MHz-1000MHz)

Model: MW-02
 Test Mode: Top coil+Charging
 Test Voltage: AC 120V/50Hz
 Remark:



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
48.915000	20.93	40.00	19.07	100.0	H	0.0	21.20
106.751250	19.35	43.50	24.15	100.0	H	359.0	18.80
178.895000	22.93	43.50	20.57	200.0	H	15.0	16.94
199.992500	30.76	43.50	12.74	100.0	H	121.0	18.84
406.238750	25.19	46.00	20.81	200.0	H	355.0	24.29
927.674375	34.25	46.00	11.75	200.0	H	184.0	32.90

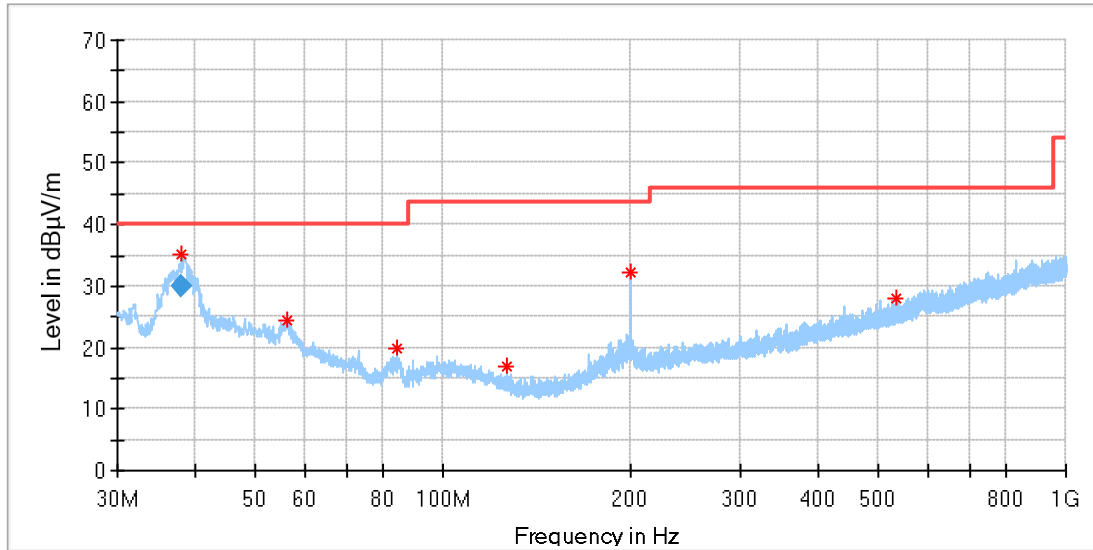
Remark:

Level=Reading Level + Correction Factor

Correction Factor=Antenna Factor + Cable Loss

(The Reading Level is recorded by software which is not shown in the sheet)

Model: MW-02
 Test Mode: Top coil+Charging
 Test Voltage: AC 120V/50Hz
 Remark



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
38.124063	35.20	40.00	4.80	100.0	V	230.0	19.31
56.068750	24.43	40.00	15.57	100.0	V	0.0	20.58
84.501875	19.88	40.00	20.12	200.0	V	0.0	15.05
126.636250	16.89	43.50	26.61	100.0	V	240.0	16.38
199.992500	32.24	43.50	11.26	100.0	V	0.0	18.84
533.430000	27.86	46.00	18.14	200.0	V	0.0	26.62

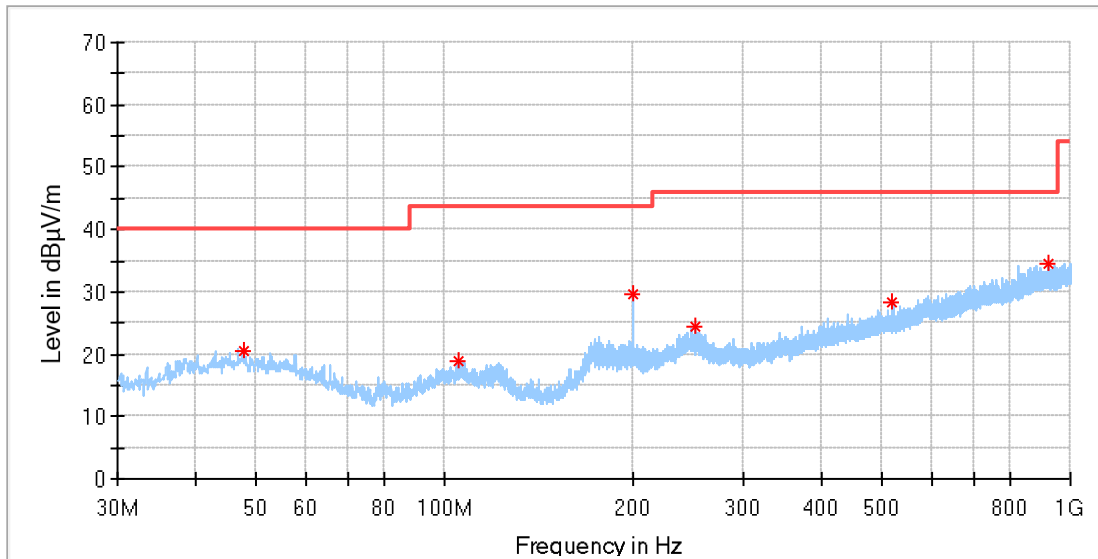
Remark:

Level=Reading Level + Correction Factor

Correction Factor=Antenna Factor + Cable Loss

(The Reading Level is recorded by software which is not shown in the sheet)

Model: MW-02
 Test Mode: Down coil+Charging
 Test Voltage: AC 120V/50Hz
 Remark:



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
47.641875	20.53	40.00	19.47	100.0	H	239.0	21.21
105.356875	18.86	43.50	24.64	200.0	H	0.0	18.86
199.992500	29.48	43.50	14.02	100.0	H	110.0	18.84
251.220625	24.40	46.00	21.60	100.0	H	0.0	20.61
520.274375	28.28	46.00	17.72	200.0	H	0.0	26.46
919.186875	34.47	46.00	11.53	200.0	H	0.0	32.96

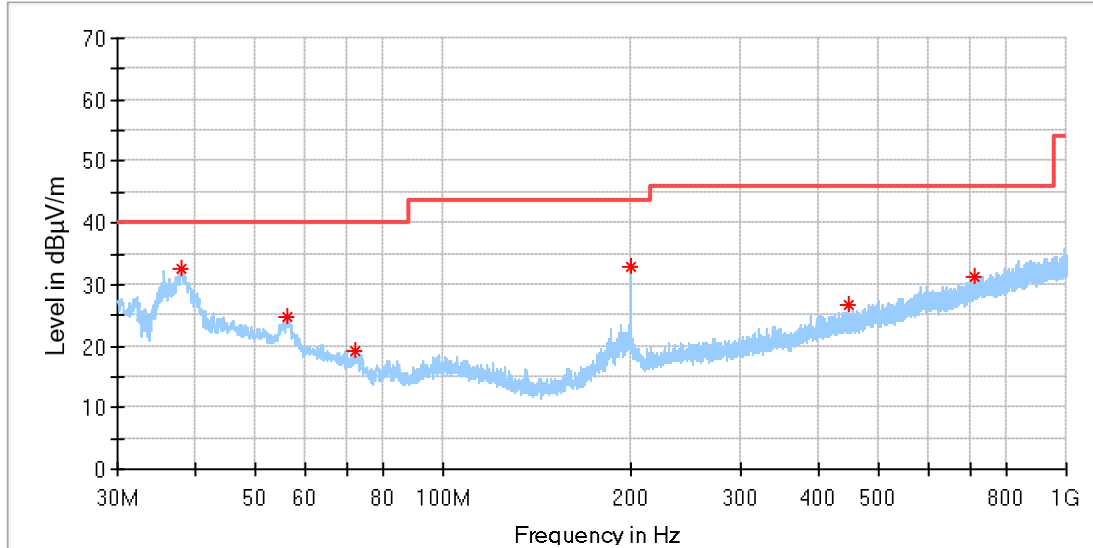
Remark:

Level=Reading Level + Correction Factor

Correction Factor=Antenna Factor + Cable Loss

(The Reading Level is recorded by software which is not shown in the sheet)

Model: MW-02
 Test Mode: Down coil+Charging
 Test Voltage: AC 120V/50Hz
 Remark:



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.881250	32.69	40.00	7.31	100.0	V	0.0	19.20
56.190000	24.76	40.00	15.24	100.0	V	98.0	20.55
72.013125	19.33	40.00	20.67	200.0	V	0.0	15.84
199.992500	32.92	43.50	10.58	100.0	V	44.0	18.84
448.797500	26.70	46.00	19.30	100.0	V	0.0	25.11
712.091875	31.12	46.00	14.88	100.0	V	0.0	29.89

Remark:

Level=Reading Level + Correction Factor

Correction Factor=Antenna Factor + Cable Loss

(The Reading Level is recorded by software which is not shown in the sheet)

10 Test Equipment List

List of Test Instruments

Radiated Spurious Emission Test

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 7	68-4-74-19-001	102176	1	2023-5-27
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9163	68-4-80-14-002	707	1	2022-7-23
Loop Antenna	Rohde & Schwarz	HFH2-Z2	68-4-80-14-006	100398	1	2022-8-25
Pre-amplifier	Rohde & Schwarz	SCU 18	68-4-29-14-001	102230	1	2023-5-28
Attenuator	Agilent	8491A	68-4-81-16-001	MY39264334	1	2023-5-27
3m Semi-anechoic chamber	TDK	9X6X6	68-4-90-14-001	----	3	2023-5-28
Test software	Rohde & Schwarz	EMC32	68-4-90-14-001-A10	Version10.35.02	N/A	N/A

Conducted Emission Test

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 3	68-4-74-14-001	101782	1	2023-5-27
LISN	Rohde & Schwarz	ENV4200	68-4-87-14-001	100249	1	2023-5-27
LISN	Rohde & Schwarz	ENV432	68-4-87-16-001	101318	1	2023-5-27
LISN	Rohde & Schwarz	ENV216	68-4-87-14-002	100326	1	2023-5-27
Attenuator	Shanghai Huaxiang	TS2-26-3	68-4-81-16-003	080928189	1	2023-5-27
Test software	Rohde & Schwarz	EMC32	68-4-90-14-003-A10	Version9.15.00	N/A	N/A

RF Test

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
Signal Analyzer	Rohde & Schwarz	FSV40	68-4-74-14-004	101030	1	2023-5-27

11 System Measurement Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 were:

System Measurement Uncertainty	
Test Items	Extended Uncertainty
Uncertainty for Conducted Emission 150kHz-30MHz (for test using AMN ENV432 or ENV4200)	3.62dB
Uncertainty for Radiated Emission in 3m chamber 9KHz-30MHz	4.60 dB
Uncertainty for Radiated Emission in 3m chamber 30MHz-1000MHz	Horizontal: 4.63dB; Vertical: 4.61dB;

Remark:

Measurement Uncertainty Decision Rule

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115: 2007, clause 4.4.3 and 4.5.1.