

FCC TEST REPORT

FCC ID: 2BW9E-EPB-LP26

Report No. : SSP26080651-1

Applicant : Recharge Intelligent Technology (Ji'an) Co., Ltd.

Product Name : Loop 10000mAh Magnetic Wireless Power Bank

Model Name : EPB-LP26

Test Standard : FCC Part 15 Subpart C

Date of Issue : 2026-09-22

Shenzhen CCUT Quality Technology Co., Ltd.

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Guangdong, China; (Tel.:+86-755-23406590 website: www.zrlklab.com)

This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen CCUT Quality Technology Co., Ltd.

Test Report Basic Information

Applicant:	Recharge Intelligent Technology (Ji'an) Co., Ltd. 1st Floor, No. 14 Green Industrial Park, East District Of High Tech Zone, Address of Applicant.....:	Suichuan County, Ji An, Jiangxi, 343900, China
Manufacturer:	Recharge Intelligent Technology (Ji'an) Co., Ltd. 1st Floor, No. 14 Green Industrial Park, East District Of High Tech Zone, Address of Manufacturer.....:	Suichuan County, Ji An, Jiangxi, 343900, China
Product Name:	Loop 10000mAh Magnetic Wireless Power Bank	
Brand Name:	-	
Main Model:	EPB-LP26	
Series Models:	M2236Q-A	
Test Standard:	FCC Part 15 Subpart C ANSI C63.4-2014 ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	
Date of Test	2026-09-01 to 2026-09-22	
Test Result:	PASS	
Tested By	 (Walker Wu)	
Reviewed By:	 (Lorzix Luo)	
Authorized Signatory:	 (Lahm Peng)	
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Revision History

Revision	Issue Date	Description	Revised By
V1.0	2026-09-22	Initial Release	Lahm Peng

1. General Information

1.1 Product Information

Product Name:	Loop 10000mAh Magnetic Wireless Power Bank
Trade Name:	-
Test Model:	EPB-LP26
Series Models:	M2236Q-A
Rated Voltage:	Type-C Prot/Cable Input: DC 5V=2A, 9V=2A, 12V=1.5A (18W Max) Type-C Cable Output: DC 5V=3A, 9V=3A, 12V=1.5A (27W Max) Lightning Cable Output: DC 5V=2.4A, 9V=3A, (27W Max) Combined Output: DC 5V=3A (15W Max) Wireless Output for phone: 5W/7.5W/10W/15W Wireless Output for Earbuds: 5W Wireless Output for Watch: 2W
Battery:	DC 3.85V, 10000mAh, 38.5Wh
Test Sample No:	SSP26080651-1
Hardware Version:	V1.0
Software Version:	V1.0
Note 1: The test data is gathered from a production sample, provided by the manufacturer.	
Note 2: The color of appearance and model name of series models listed are different from the main model, but the circuit and the electronic construction are the same, declared by the manufacturer.	

Wireless Specification	
Wireless Standard:	WPC (Qi)
Operating Frequency:	Wireless charging Output (Phone/Earphone): 110.5kHz-205kHz Wireless charging Output (Watch): 310kHz-340kHz
Modulation:	ASK
Antenna Gain:	0dBi
Type of Antenna:	Coil Antenna
Type of Device:	☒ Portable Device ☐ Mobile Device ☐ Modular Device

1.2 Test Setup Information

List of Test Modes			
Test Mode	Description	Remark	
TM1	Wireless charging 5W	-	
TM2	Wireless charging 7.5W	-	
TM3	Wireless charging 10W	-	
TM4	Wireless charging 15W	-	
TM5	Wireless charging 2W	-	
TM6	Wireless charging 5W+Charging	AC 120V/60Hz	
TM7	Wireless charging 2W+Chargiing	AC 120V/60Hz	
Note: All modes of the main model and accessory models mentioned above have been tested. The report only shows the worst modes of the main model: TM4, TM5 TM6 and TM7 data			
List and Details of Auxiliary Cable			
Description	Length (cm)	Shielded/Unshielded	With/Without Ferrite
USB Cable	100	Unshielded	Without Ferrite
-	-	-	-
List and Details of Auxiliary Equipment			
Description	Manufacturer	Model	Serial Number
Dummy load	YBZ	YBZ-001	N/A
Dummy load	YBZ	YBZ-003	N/A
Adapter	CUKTECH	AD1003	A0510CAS01425

1.3 Compliance Standards

Compliance Standards	
FCC Part 15 Subpart C	FEDERAL COMMUNICATIONS COMMISSION, RADIO FREQUENCY DEVICES, Intentional Radiators
All measurements contained in this report were conducted with all above standards	
According to standards for test methodology	
FCC Part 15 Subpart C	FEDERAL COMMUNICATIONS COMMISSION, RADIO FREQUENCY DEVICES, Intentional Radiators
ANSI C63.4-2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.
ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
Maintenance of compliance is the responsibility of the manufacturer or applicant. Any modification of the product, which result is lowering the emission, should be checked to ensure compliance has been maintained.	

1.4 Test Facilities

Laboratory Name:	Shenzhen CCUT Quality Technology Co., Ltd. 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China
CNAS Laboratory No.:	L18863
A2LA Certificate No.:	6983.01
FCC Registration No:	583813
FCC Designation No.:	CN1373
ISED Registration No.:	CN0164

1.5 List of Measurement Instruments

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Conducted Emissions					
AMN	ROHDE&SCHWARZ	ENV216	101097	2026-07-24	2027-07-23
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	100242	2026-07-24	2027-07-23
Test Cable	N/A	Cable 5	N/A	2026-07-24	2027-07-23
EMI Test Software	FARA	EZ-EMC	EMEC-3A1+	N/A	N/A
Radiated Emissions					
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	100154	2026-07-24	2027-07-23
Spectrum Analyzer	KEYSIGHT	N9020A	MY48030972	2026-07-24	2027-07-23
Amplifier	SCHWARZBECK	BBV 9743B	00251	2026-07-24	2027-07-23
Amplifier	HUABO	YXL0518-2.5-45	--	2026-07-24	2027-07-23
Loop Antenna	DAZE	ZN30900C	21104	2026-07-24	2027-07-23
Broadband Antenna	SCHWARZBECK	VULB 9168	01320	2026-07-24	2027-07-23
Horn Antenna	SCHWARZBECK	BBHA 9120D	02553	2026-07-24	2027-07-23
Attenuator	QUANJUDA	6dB	220731	2026-07-24	2027-07-23
Test Cable	N/A	Cable 1	N/A	2026-07-24	2027-07-23
Test Cable	N/A	Cable 2	N/A	2026-07-24	2027-07-23
Test Cable	N/A	Cable 3	N/A	2026-07-24	2027-07-23
Test Cable	N/A	Cable 4	N/A	2026-07-24	2027-07-23
EMI Test Software	FARA	EZ-EMC	FA-03A2 RE+	N/A	N/A
Conducted RF Testing					
RF Test System	MWRFTTest	MW100-RFCB	220418SQS-37	2026-07-24	2027-07-23
Spectrum Analyzer	KEYSIGHT	N9020A	ATO-90521	2026-07-24	2027-07-23

1.6 Measurement Uncertainty

Test Item	Conditions	Uncertainty
Conducted Emissions	9kHz ~ 30MHz	±1.64 dB
Radiated Emissions	9kHz ~ 30MHz	±2.88 dB
	30MHz ~ 1GHz	±3.32 dB
	1GHz ~ 18GHz	±3.50 dB
Occupied Bandwidth	9kHz ~ 26GHz	±4.0 %

2. Summary of Test Results

FCC Rule	Description of Test Item	Result
FCC Part 15.203	Antenna Requirement	Passed
FCC Part 15.207	Conducted Emissions	Passed
FCC Part 15.209	Radiated Emissions	Passed
FCC Part 15.215(c)	Occupied Bandwidth	Passed
Passed: The EUT complies with the essential requirements in the standard Failed: The EUT does not comply with the essential requirements in the standard N/A: Not applicable		

3. Antenna Requirement

3.1 Standard and Limit

According to FCC Part 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

3.2 Test Result

This product has an Coil antenna, fulfill the requirement of this section.

4. Conducted Emissions

4.1 Standard and Limit

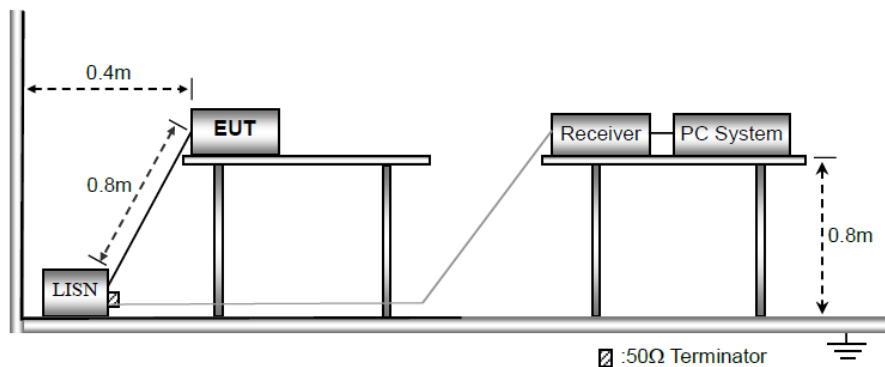
According to the rule FCC Part 15.207, Conducted emissions limit, the limit for a wireless device as below:

Frequency of Emission (MHz)	Conducted emissions (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

Note 1: Decreases with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz
Note 2: The lower limit applies at the band edges

4.2 Test Procedure

Test is conducting under the description of ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 section 6.2.



Test Setup Block Diagram

a) The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

b) The following is the setting of the receiver

Attenuation: 10dB

Start Frequency: 0.15MHz

Stop Frequency: 30MHz

IF Bandwidth: 9kHz

c) The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

d) Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

e) I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

f) LISN is at least 80 cm from nearest part of EUT chassis.

g) For the actual test configuration, please refer to the related Item - photographs of the test setup.

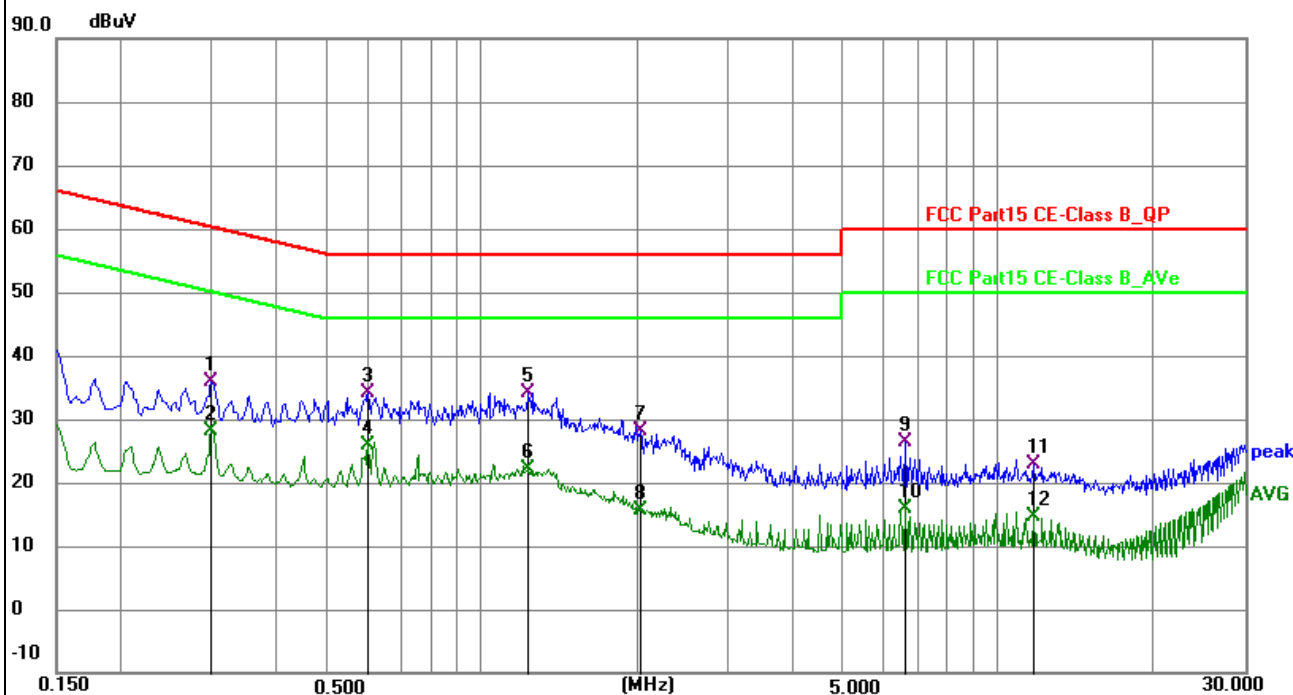
4.3 Test Data and Results

Based on all tested data, the EUT complied with the FCC Part standard limit for a wireless device, and with the worst case TM6 and TM7 as below:

Remark: Level = Reading + Factor, Margin = Level - Limit

Test Plots and Data of Conducted Emissions

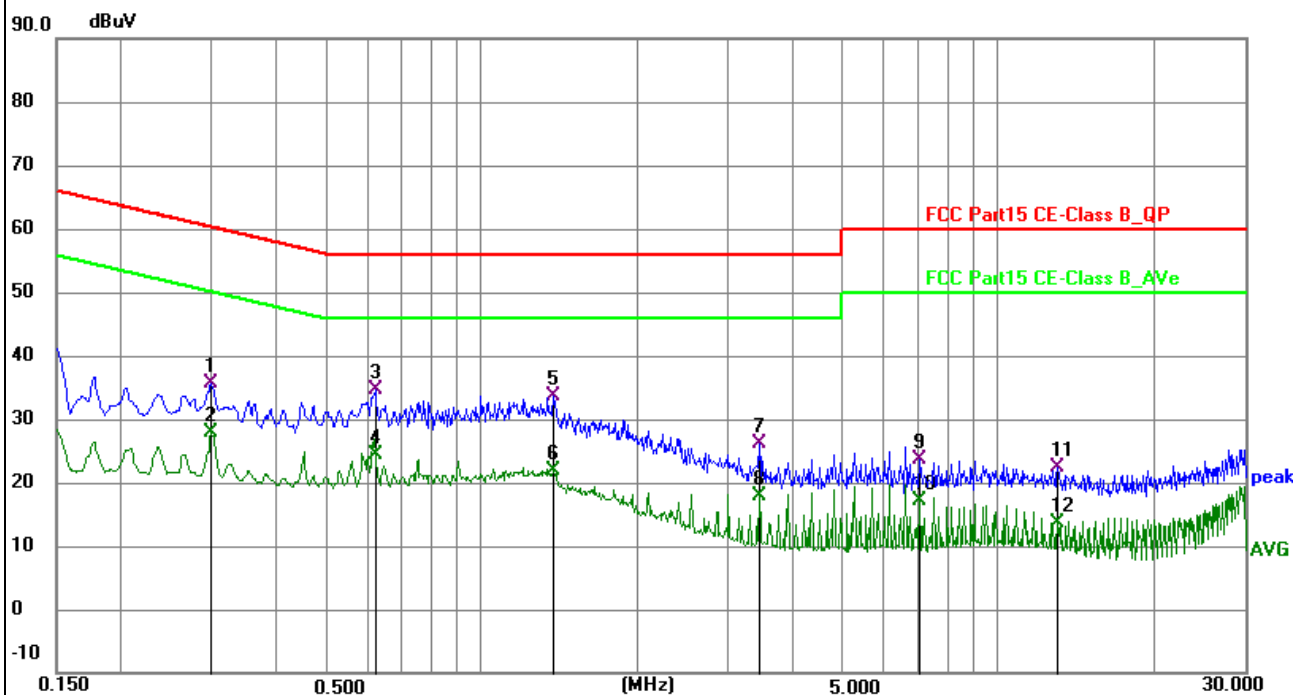
Tested Mode:	TM6
Test Voltage:	AC 120V/60Hz
Test Power Line:	Neutral
Remark:	Wireless charging 5W + Charging



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2985	26.41	9.40	35.81	60.28	-24.47	QP	P	
2	0.2985	18.85	9.40	28.25	50.28	-22.03	AVG	P	
3	0.6000	24.78	9.37	34.15	56.00	-21.85	QP	P	
4 *	0.6000	16.51	9.37	25.88	46.00	-20.12	AVG	P	
5	1.2300	24.80	9.44	34.24	56.00	-21.76	QP	P	
6	1.2300	12.63	9.44	22.07	46.00	-23.93	AVG	P	
7	2.0264	18.55	9.47	28.02	56.00	-27.98	QP	P	
8	2.0264	6.25	9.47	15.72	46.00	-30.28	AVG	P	
9	6.6075	16.71	9.57	26.28	60.00	-33.72	QP	P	
10	6.6075	6.38	9.57	15.95	50.00	-34.05	AVG	P	
11	11.7104	13.21	9.55	22.76	60.00	-37.24	QP	P	
12	11.7104	5.19	9.55	14.74	50.00	-35.26	AVG	P	

Test Plots and Data of Conducted Emissions

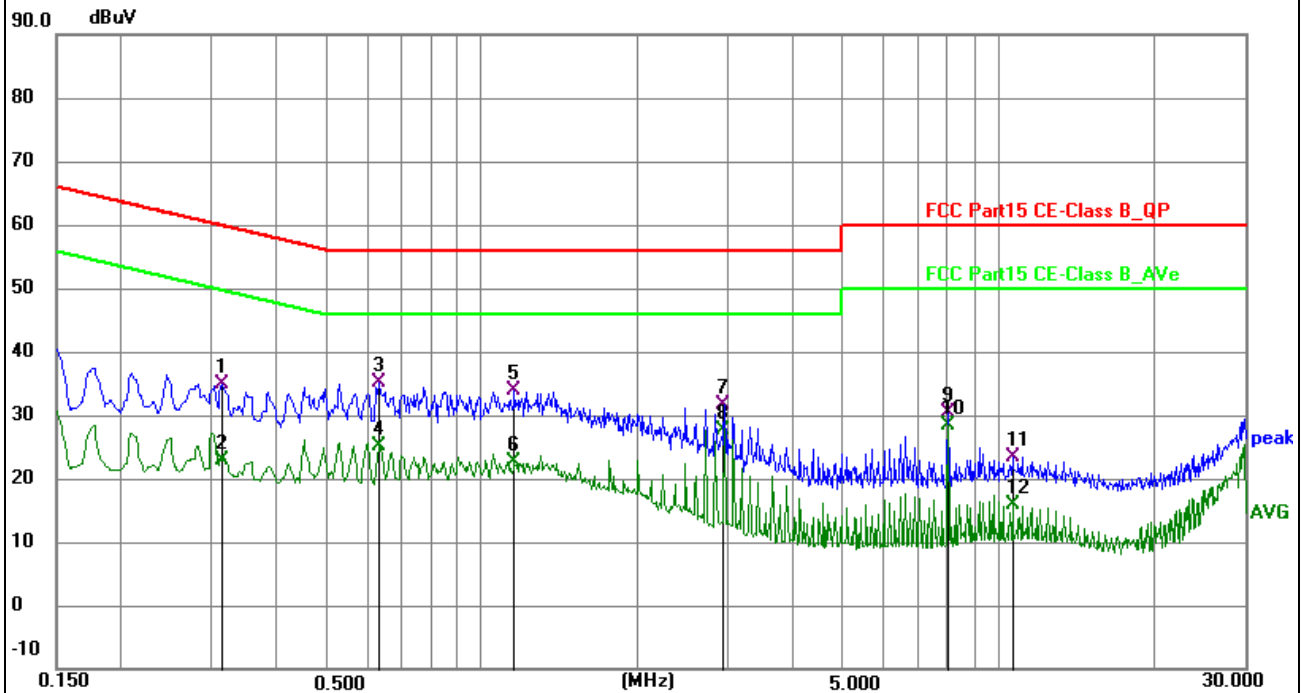
Tested Mode:	TM6
Test Voltage:	AC 120V/60Hz
Test Power Line:	Live
Remark:	Wireless charging 5W + Charging



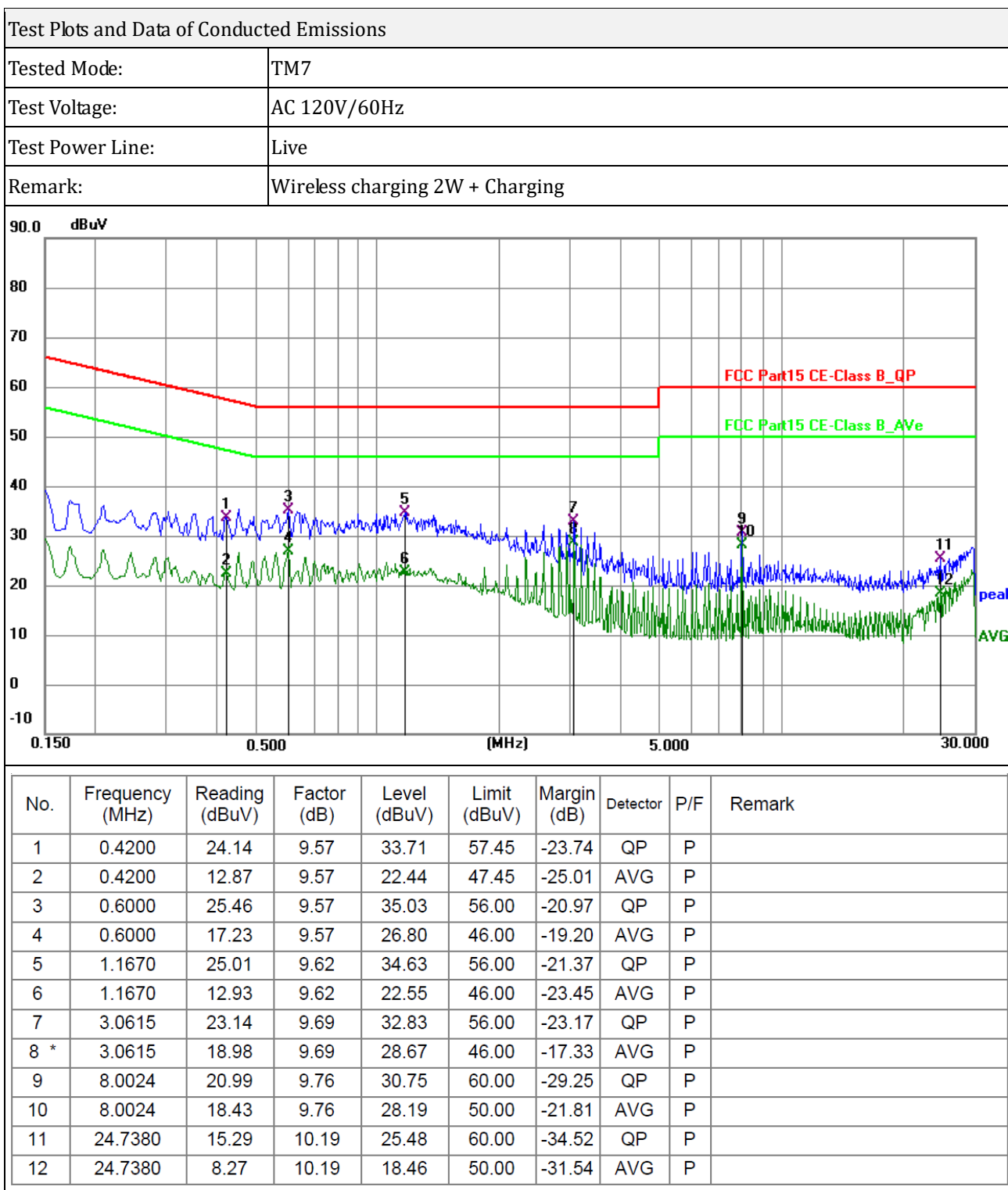
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2985	26.11	9.59	35.70	60.28	-24.58	QP	P	
2	0.2985	18.21	9.59	27.80	50.28	-22.48	AVG	P	
3 *	0.6225	24.97	9.57	34.54	56.00	-21.46	QP	P	
4	0.6225	14.90	9.57	24.47	46.00	-21.53	AVG	P	
5	1.3740	23.94	9.64	33.58	56.00	-22.42	QP	P	
6	1.3740	12.34	9.64	21.98	46.00	-24.02	AVG	P	
7	3.4530	16.33	9.70	26.03	56.00	-29.97	QP	P	
8	3.4530	8.20	9.70	17.90	46.00	-28.10	AVG	P	
9	7.0530	13.81	9.76	23.57	60.00	-36.43	QP	P	
10	7.0530	7.44	9.76	17.20	50.00	-32.80	AVG	P	
11	13.0560	12.64	9.74	22.38	60.00	-37.62	QP	P	
12	13.0560	3.98	9.74	13.72	50.00	-36.28	AVG	P	

Test Plots and Data of Conducted Emissions

Tested Mode:	TM7
Test Voltage:	AC 120V/60Hz
Test Power Line:	Neutral
Remark:	Wireless charging 2W + Charging



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.3120	25.47	9.40	34.87	59.92	-25.05	QP	P	
2	0.3120	13.49	9.40	22.89	49.92	-27.03	AVG	P	
3	0.6315	25.78	9.36	35.14	56.00	-20.86	QP	P	
4	0.6315	15.68	9.36	25.04	46.00	-20.96	AVG	P	
5	1.1580	24.39	9.43	33.82	56.00	-22.18	QP	P	
6	1.1580	13.18	9.43	22.61	46.00	-23.39	AVG	P	
7	2.9534	22.15	9.50	31.65	56.00	-24.35	QP	P	
8 *	2.9534	18.16	9.50	27.66	46.00	-18.34	AVG	P	
9	8.0024	20.77	9.57	30.34	60.00	-29.66	QP	P	
10	8.0024	18.92	9.57	28.49	50.00	-21.51	AVG	P	
11	10.6620	13.84	9.55	23.39	60.00	-36.61	QP	P	
12	10.6620	6.45	9.55	16.00	50.00	-34.00	AVG	P	



5. Radiated Emissions

5.1 Standard and Limit

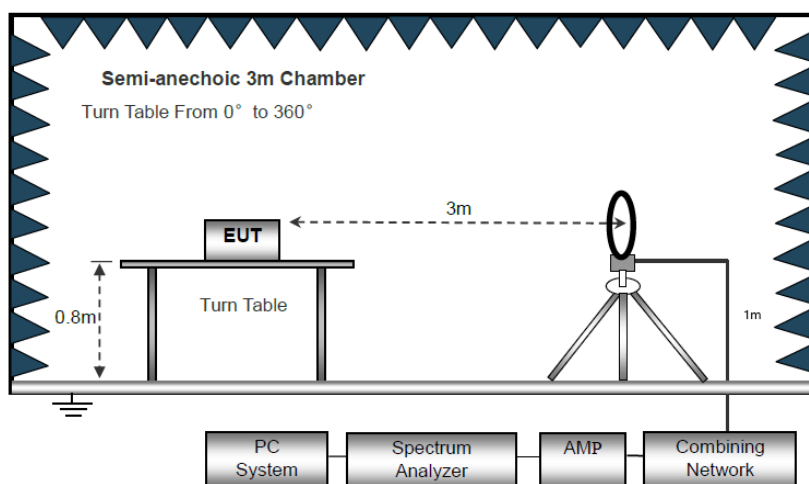
According to the rule FCC Part 15.209, Radiated emission limit for a wireless device as below:

Frequency of Emission (MHz)	Field Strength (micorvolts/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
Note: The more stringent limit applies at transition frequencies.		

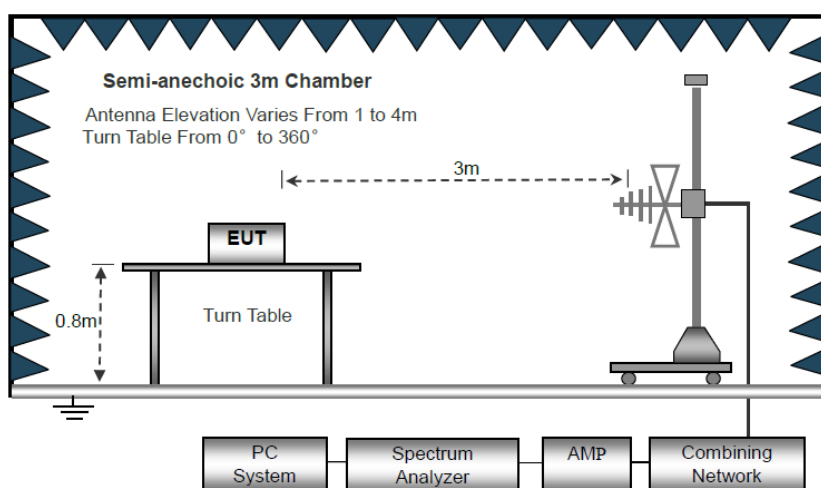
Note: Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

5.2 Test Procedure

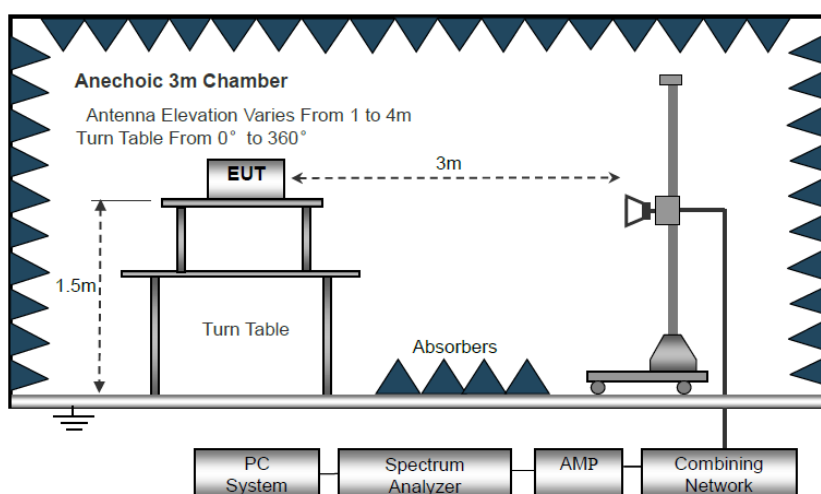
Test is conducting under the description of ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 section 6.3 to 6.6.



Block Diagram of Radiated Emission Below 30MHz



Block Diagram of Radiated Emission From 30MHz to 1GHz

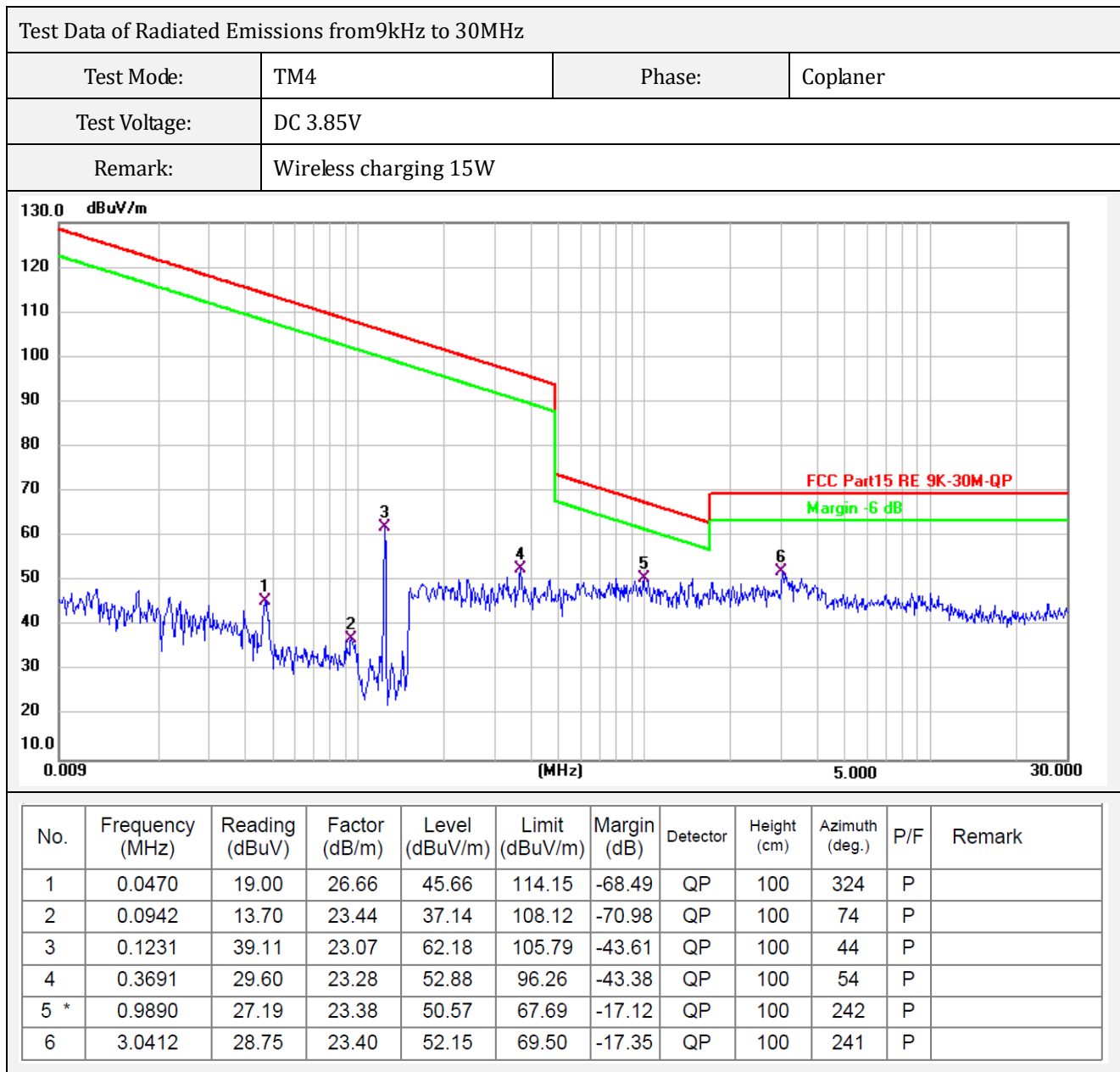


Block Diagram of Radiated Emission Above 1GHz

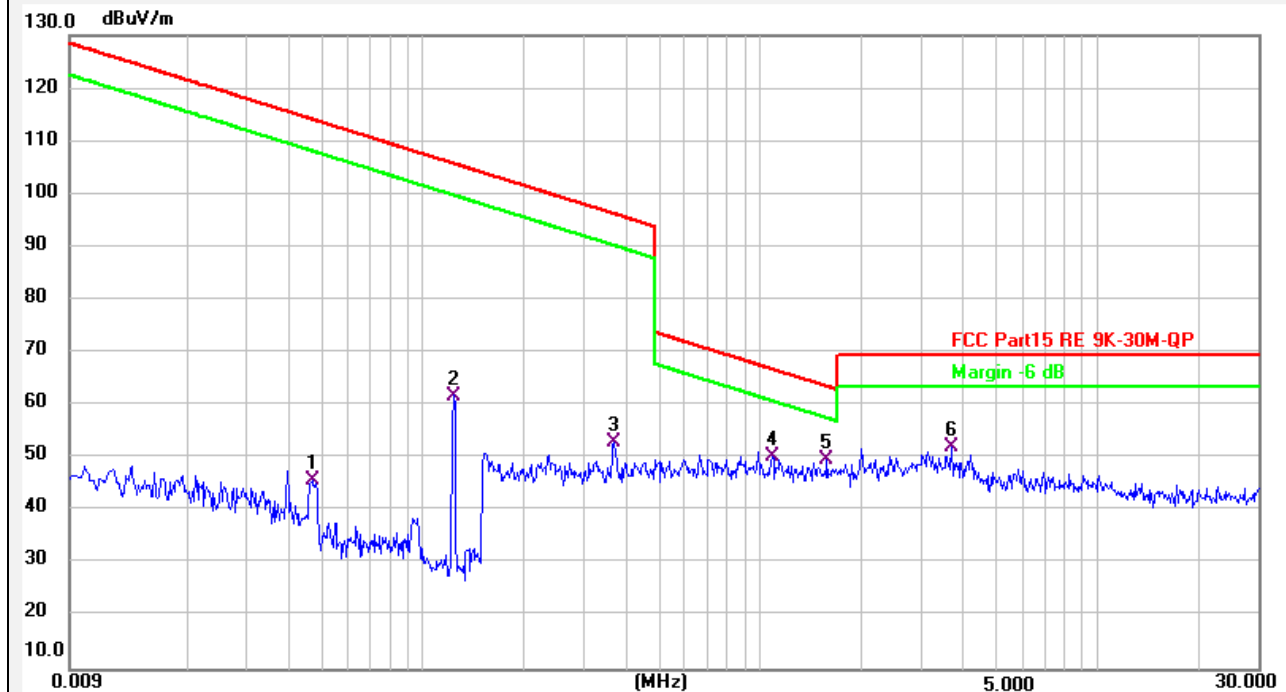
- a) The EUT is placed on a turntable, which is 0.8m above ground plane for test frequency range below 1GHz, and 1.5m above ground plane for test frequency range above 1GHz.
- b) EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
- c) Use the following spectrum analyzer settings:
Span = wide enough to fully capture the emission being measured
RBW = 1 MHz for $f \geq 1\text{GHz}$, 100 kHz for $f < 1\text{GHz}$, 10kHz for $f < 30\text{MHz}$
VBW $\geq$ RBW, Sweep = auto
Detector function = peak
Trace = max hold
- d) Follow the guidelines in ANSI C63.4-2014 with respect to maximizing the emission by rotating the EUT, adjusting the measurement antenna height and polarization, etc. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, submit this data. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- e) The peak level, once corrected, must comply with the limit specified in Section 15.209. Set the RBW = 1MHz, VBW = 10Hz, Detector = PK for AV value, while maintaining all of the other instrument settings.
- f) For the actual test configuration, please refer to the related item - EUT test photos.

5.3 Test Data and Results

Based on all mode tested data, the EUT complied with the FCC Part 15.209 standard limit for a wireless device, and with the worst case TM4, TM5, TM6 and TM7 as below:



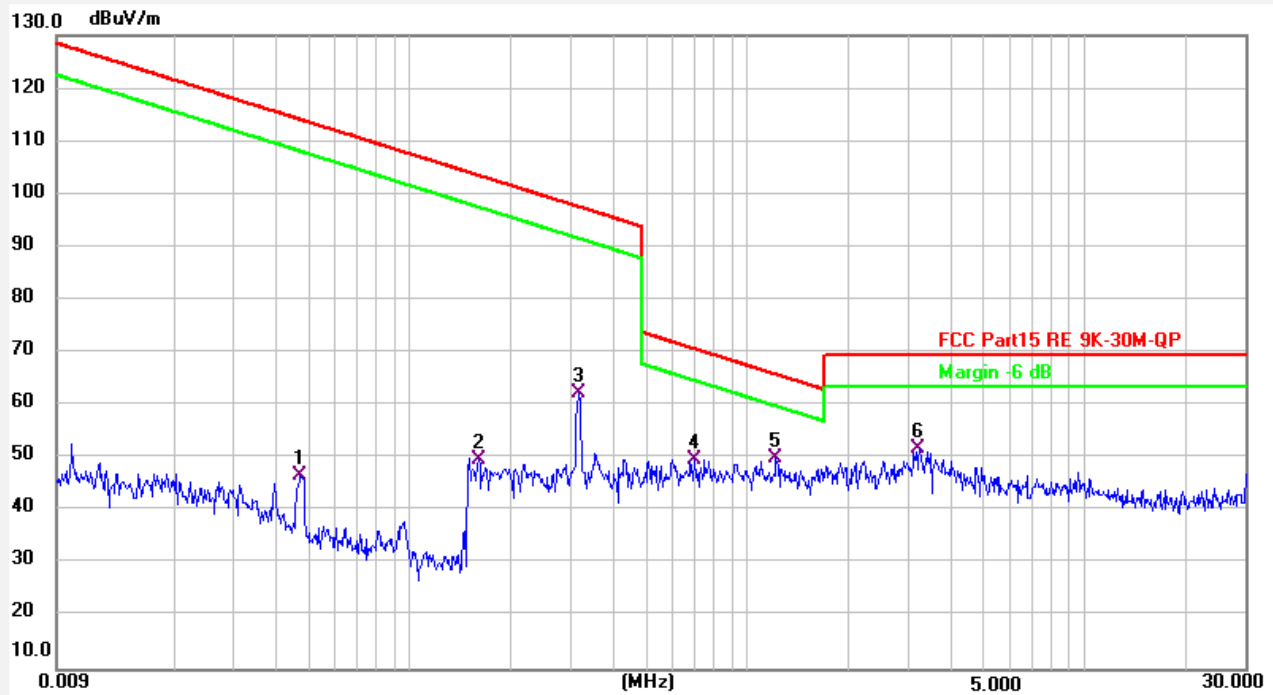
Test Mode:	TM4	Phase:	Coaxial
Test Voltage:	DC 3.85V		
Remark:	Wireless charging 15W		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	0.0468	19.08	26.71	45.79	114.19	-68.40	QP	100	24	P	
2	0.1231	38.83	23.07	61.90	105.79	-43.89	QP	100	6	P	
3	0.3672	29.69	23.28	52.97	96.30	-43.33	QP	100	4	P	
4	1.0823	27.11	23.38	50.49	66.91	-16.42	QP	100	75	P	
5 *	1.5683	26.27	23.38	49.65	63.69	-14.04	QP	100	324	P	
6	3.6804	28.87	23.40	52.27	69.50	-17.23	QP	100	54	P	

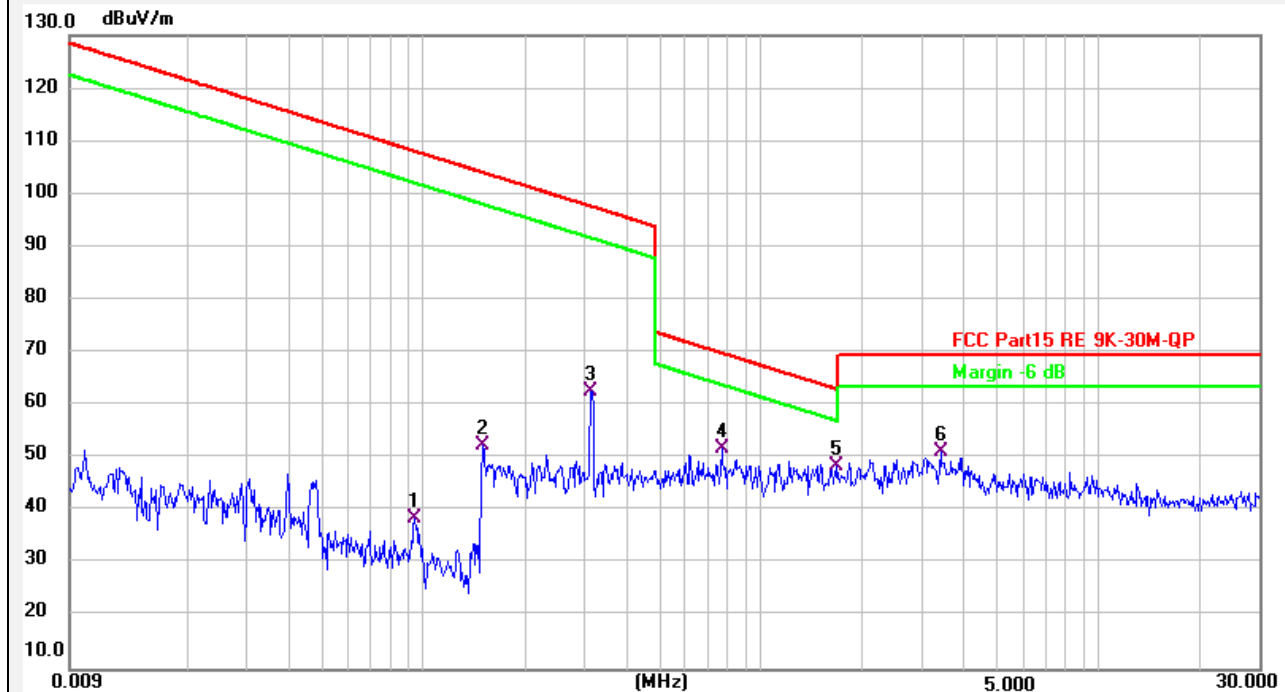
Test Data of Radiated Emissions from 9kHz to 30MHz

Test Mode:	TM5	Phase:	Coplaner
Test Voltage:	DC 3.85V		
Remark:	Wireless charging 2W		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	0.0473	20.06	26.57	46.63	114.10	-67.47	QP	100	142	P	
2	0.1597	26.42	23.35	49.77	103.53	-53.76	QP	100	274	P	
3	0.3165	38.92	23.35	62.27	97.59	-35.32	QP	100	354	P	
4	0.6972	26.57	23.22	49.79	70.73	-20.94	QP	100	175	P	
5 *	1.2160	26.66	23.38	50.04	65.90	-15.86	QP	100	165	P	
6	3.2239	28.51	23.40	51.91	69.50	-17.59	QP	100	245	P	

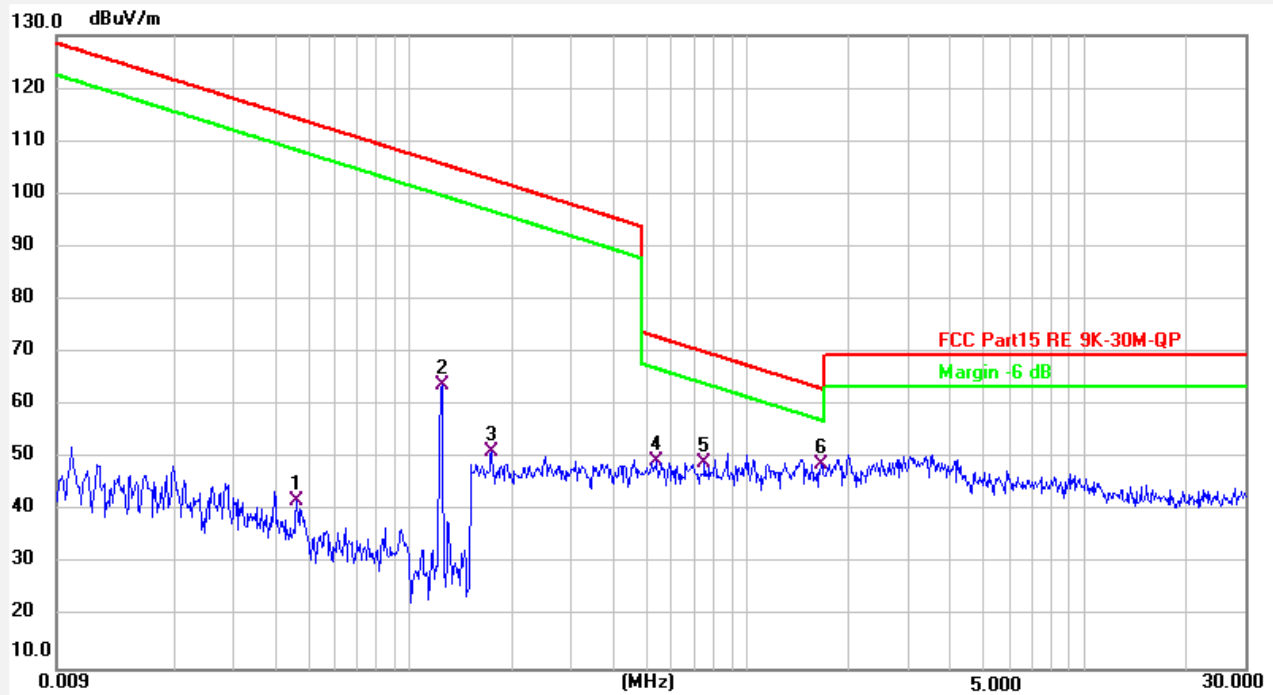
Test Mode:	TM5	Phase:	Coaxial
Test Voltage:	DC 3.85V		
Remark:	Wireless charging 2W		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	0.0945	15.23	23.43	38.66	108.09	-69.43	QP	100	128	P	
2	0.1500	29.22	23.36	52.58	104.08	-51.50	QP	100	24	P	
3	0.3131	39.39	23.35	62.74	97.69	-34.95	QP	100	235	P	
4	0.7630	28.48	23.26	51.74	69.95	-18.21	QP	100	267	P	
5 *	1.6713	25.08	23.39	48.47	63.13	-14.66	QP	100	296	P	
6	3.3993	27.86	23.40	51.26	69.50	-18.24	QP	100	285	P	

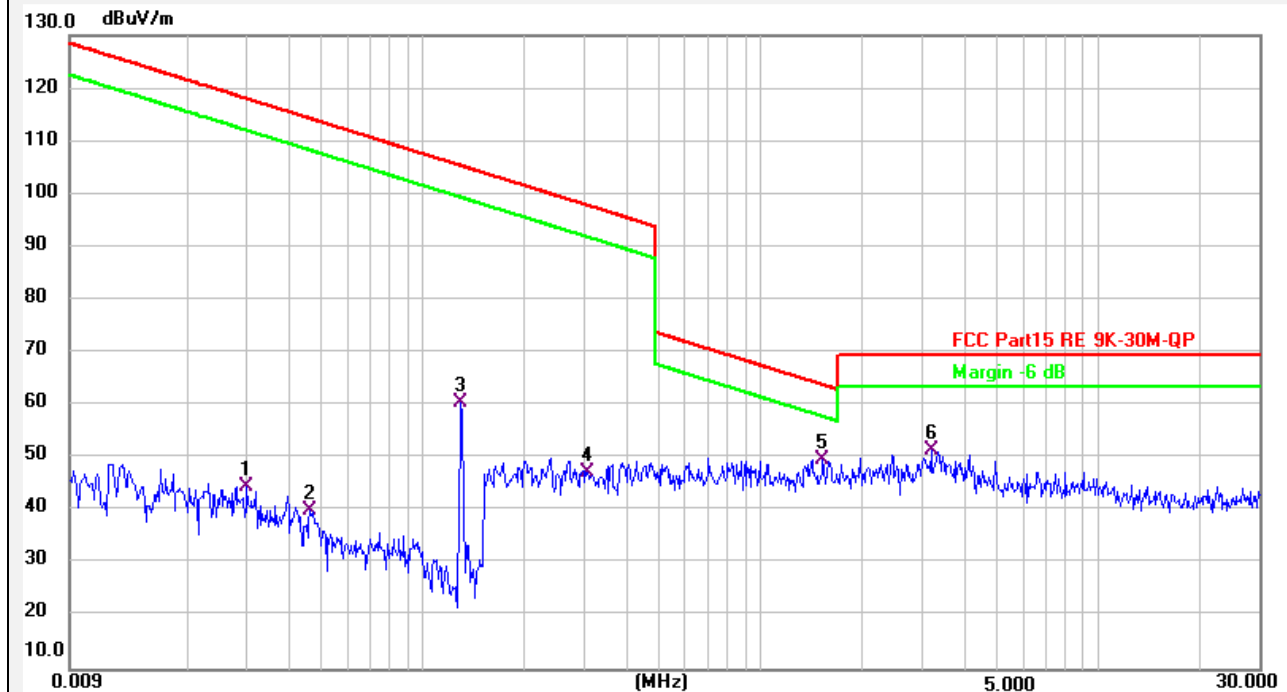
Test Data of Radiated Emissions from 9kHz to 30MHz

Test Mode:	TM6	Phase:	Coplaner
Test Voltage:	AC 120V/60Hz		
Remark:	Wireless charging 5W + Charging		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	0.0461	14.94	26.91	41.85	114.32	-72.47	QP	100	285	P	
2	0.1242	40.90	23.06	63.96	105.71	-41.75	QP	100	241	P	
3	0.1740	27.92	23.32	51.24	102.79	-51.55	QP	100	67	P	
4	0.5377	26.25	23.15	49.40	72.99	-23.59	QP	100	38	P	
5	0.7430	25.79	23.25	49.04	70.18	-21.14	QP	100	352	P	
6 *	1.6450	25.36	23.38	48.74	63.27	-14.53	QP	100	341	P	

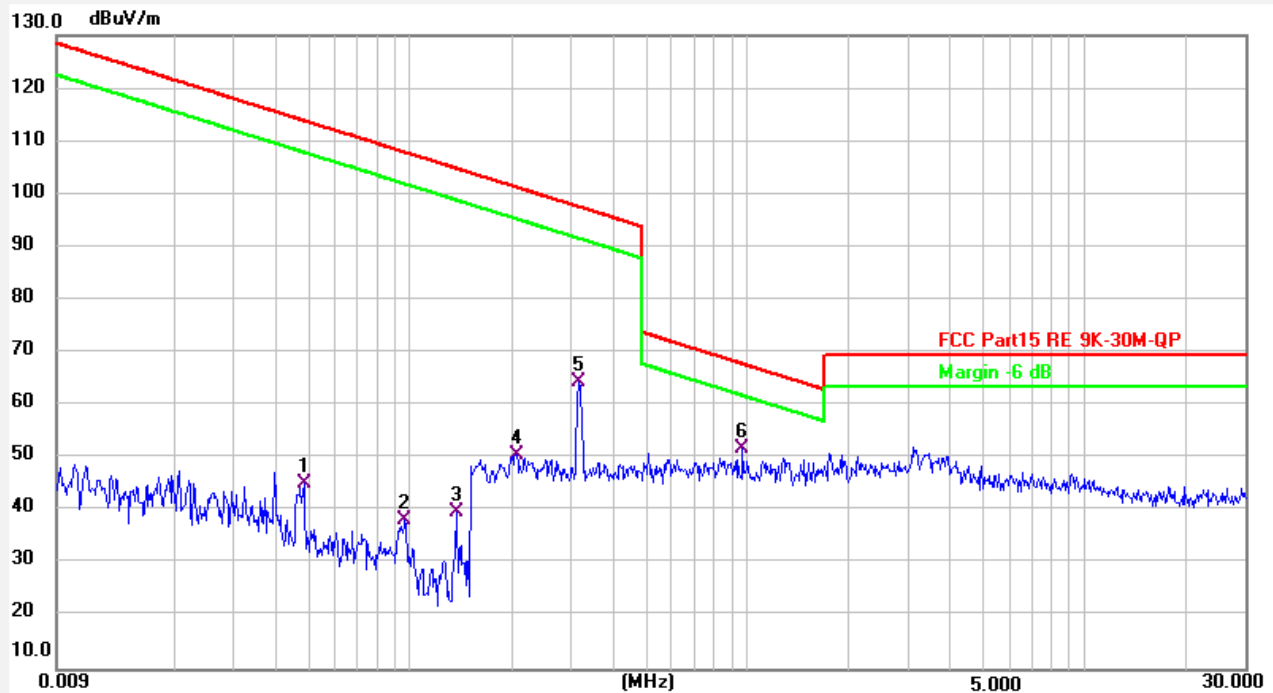
Test Mode:	TM6	Phase:	Coaxial
Test Voltage:	AC 120V/60Hz		
Remark:	Wireless charging 5W + Charging		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	0.0300	13.29	31.46	44.75	118.05	-73.30	QP	100	234	P	
2	0.0461	13.22	26.91	40.13	114.32	-74.19	QP	100	57	P	
3	0.1292	37.55	22.98	60.53	105.37	-44.84	QP	100	295	P	
4	0.3050	24.02	23.36	47.38	97.92	-50.54	QP	100	241	P	
5 *	1.5273	26.48	23.38	49.86	63.92	-14.06	QP	100	235	P	
6	3.1730	28.30	23.39	51.69	69.50	-17.81	QP	100	274	P	

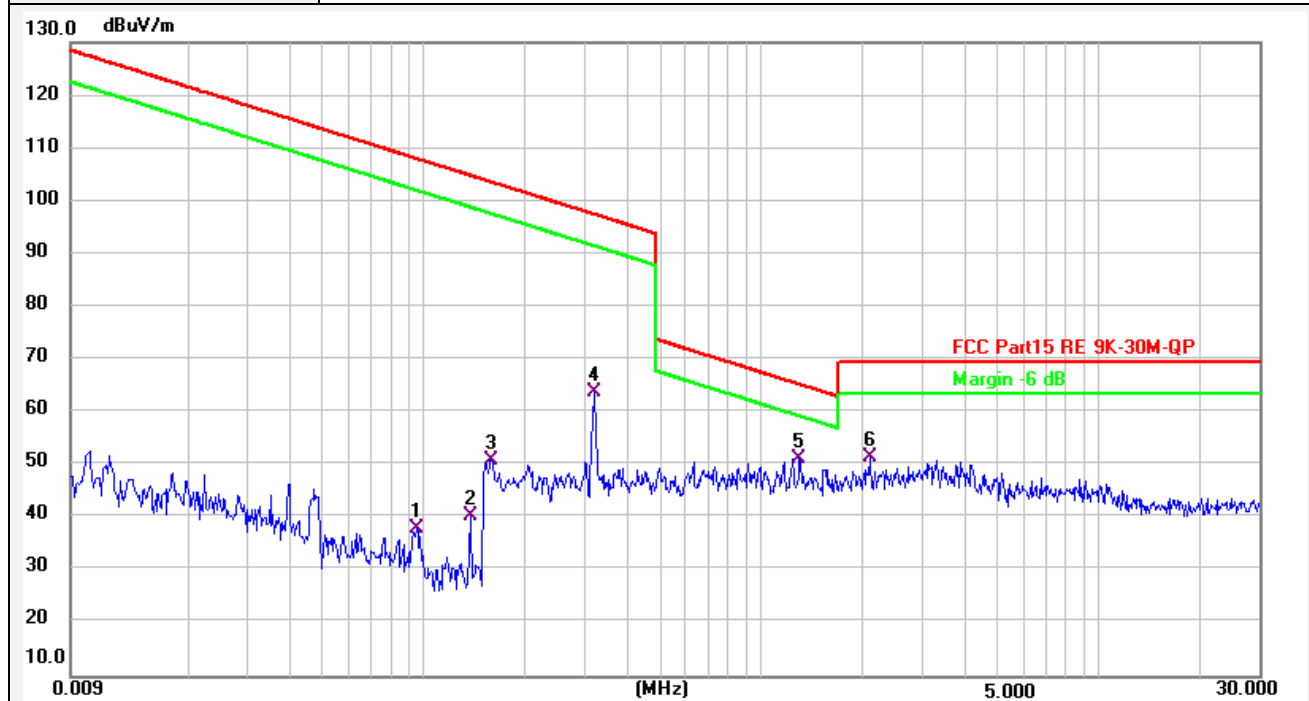
Test Data of Radiated Emissions from 9kHz to 30MHz

Test Mode:	TM7	Phase:	Coplaner
Test Voltage:	AC 120V/60Hz		
Remark:	Wireless charging 2W + Charging		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	0.0483	19.02	26.29	45.31	113.91	-68.60	QP	100	72	P	
2	0.0963	14.85	23.42	38.27	107.92	-69.65	QP	100	198	P	
3	0.1370	16.62	23.10	39.72	104.86	-65.14	QP	100	65	P	
4	0.2061	27.50	23.29	50.79	101.32	-50.53	QP	100	284	P	
5	0.3150	41.06	23.35	64.41	97.64	-33.23	QP	100	342	P	
6 *	0.9683	28.51	23.36	51.87	67.88	-16.01	QP	100	72	P	

Test Mode:	TM7	Phase:	Coaxial
Test Voltage:	AC 120V/60Hz		
Remark:	Wireless charging 2W + Charging		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	0.0952	14.68	23.43	38.11	108.02	-69.91	QP	100	352	P	
2	0.1370	17.47	23.10	40.57	104.86	-64.29	QP	100	41	P	
3	0.1580	27.67	23.35	51.02	103.63	-52.61	QP	100	254	P	
4	0.3183	40.61	23.35	63.96	97.55	-33.59	QP	100	37	P	
5 *	1.2960	28.01	23.39	51.40	65.34	-13.94	QP	100	267	P	
6	2.0878	28.13	23.40	51.53	69.50	-17.97	QP	100	243	P	

Note:

Pre-scan in the all of mode, the worst case in of was recorded.

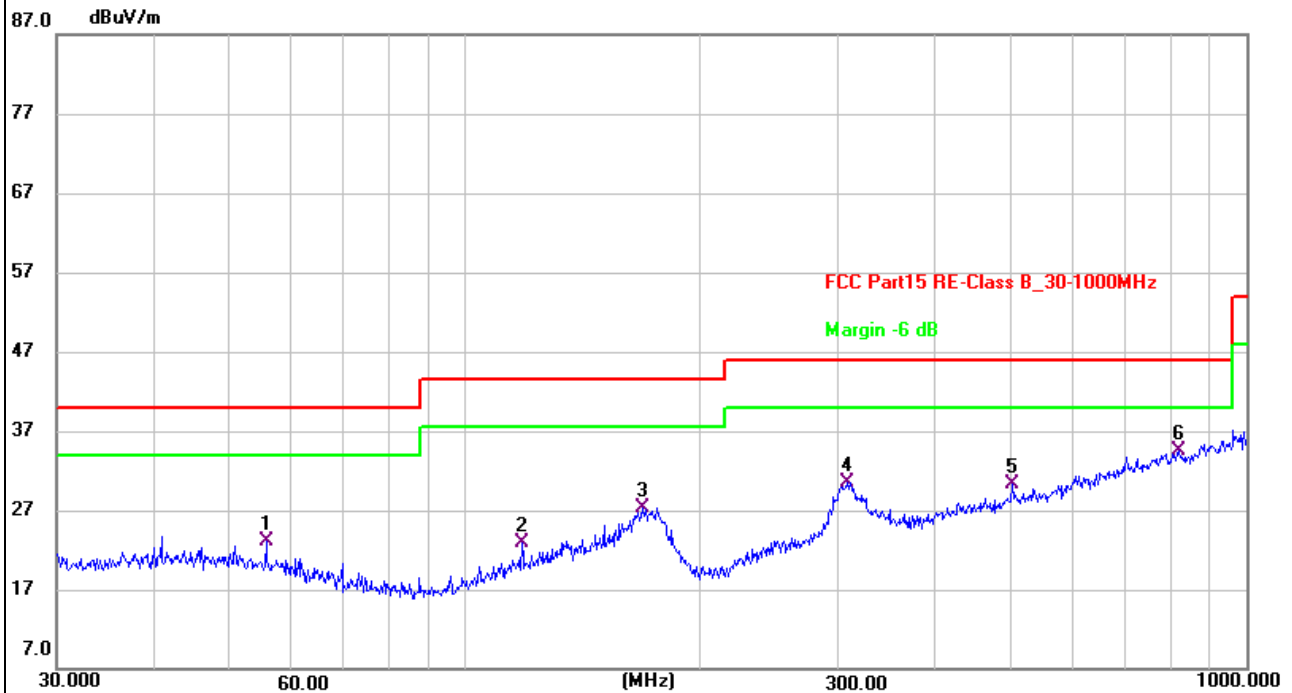
Limit dBuV/m @3m = Limit dBuV/m @300m+ 80

Limit dBuV/m @3m = Limit dBuV/m @30m + 40

Margin = Reading - Limit.

Test Plots and Data of Radiated Emissions from 30MHz to 1GHz

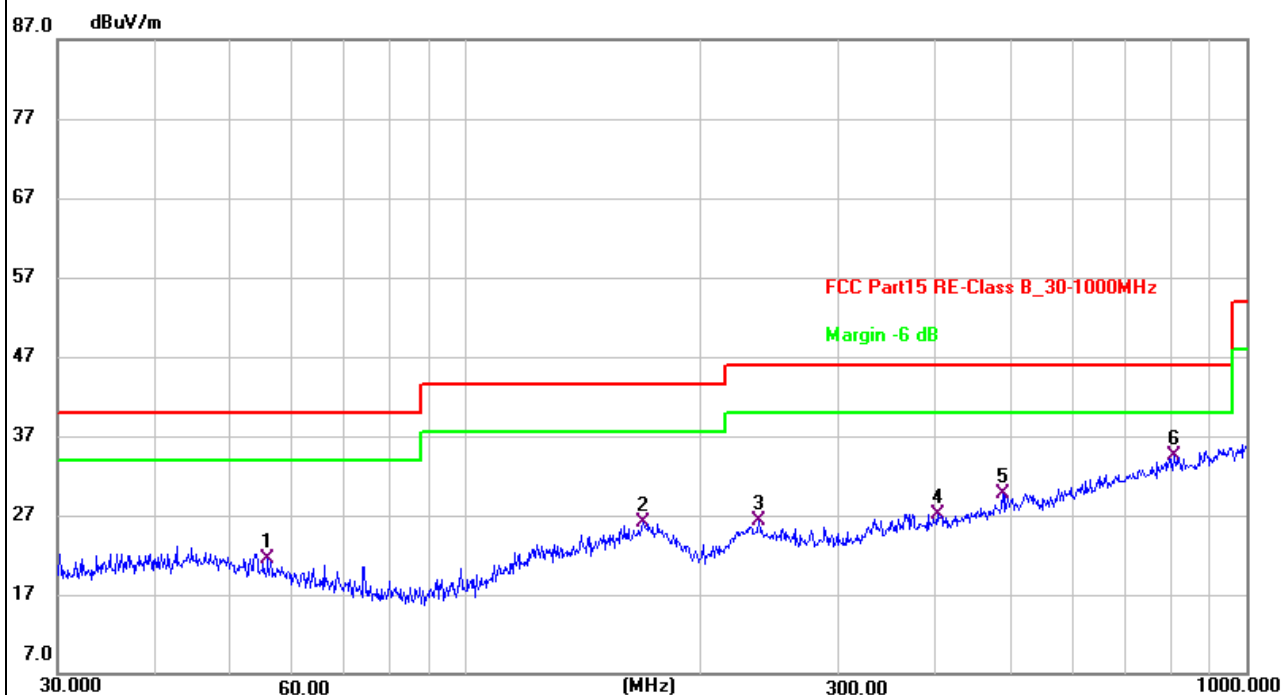
Tested Mode:	TM4
Test Antenna Polarization:	Horizontal
Remark:	Wireless charging 15W



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	55.6094	35.39	-12.36	23.03	40.00	-16.97	QP	200	12	P	
2	118.1862	35.96	-13.09	22.87	43.50	-20.63	QP	100	349	P	
3	168.4138	39.15	-11.76	27.39	43.50	-16.11	QP	200	102	P	
4	308.9126	41.38	-10.83	30.55	46.00	-15.45	QP	100	349	P	
5	501.1790	36.77	-6.43	30.34	46.00	-15.66	QP	100	278	P	
6 *	818.8341	36.20	-1.61	34.59	46.00	-11.41	QP	200	233	P	

Test Plots and Data of Radiated Emissions from 30MHz to 1GHz

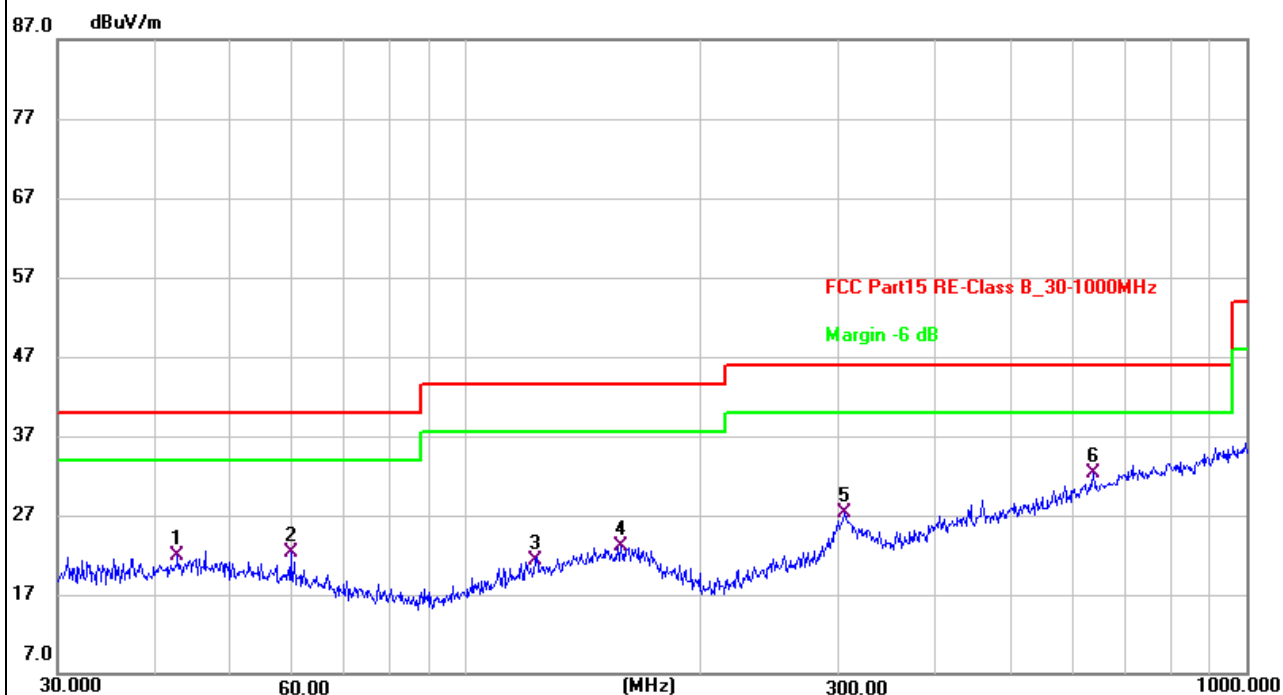
Tested Mode:	TM4
Test Antenna Polarization:	Vertical
Remark:	Wireless charging 15W



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	55.8047	33.97	-12.39	21.58	40.00	-18.42	QP	100	11	P	
2	168.4138	37.85	-11.76	26.09	43.50	-17.41	QP	100	111	P	
3	237.4760	40.05	-13.76	26.29	46.00	-19.71	QP	100	11	P	
4	401.8385	35.86	-8.66	27.20	46.00	-18.80	QP	100	350	P	
5	487.3151	36.46	-6.74	29.72	46.00	-16.28	QP	100	31	P	
6 *	807.4291	36.04	-1.62	34.42	46.00	-11.58	QP	100	360	P	

Test Plots and Data of Radiated Emissions from 30MHz to 1GHz

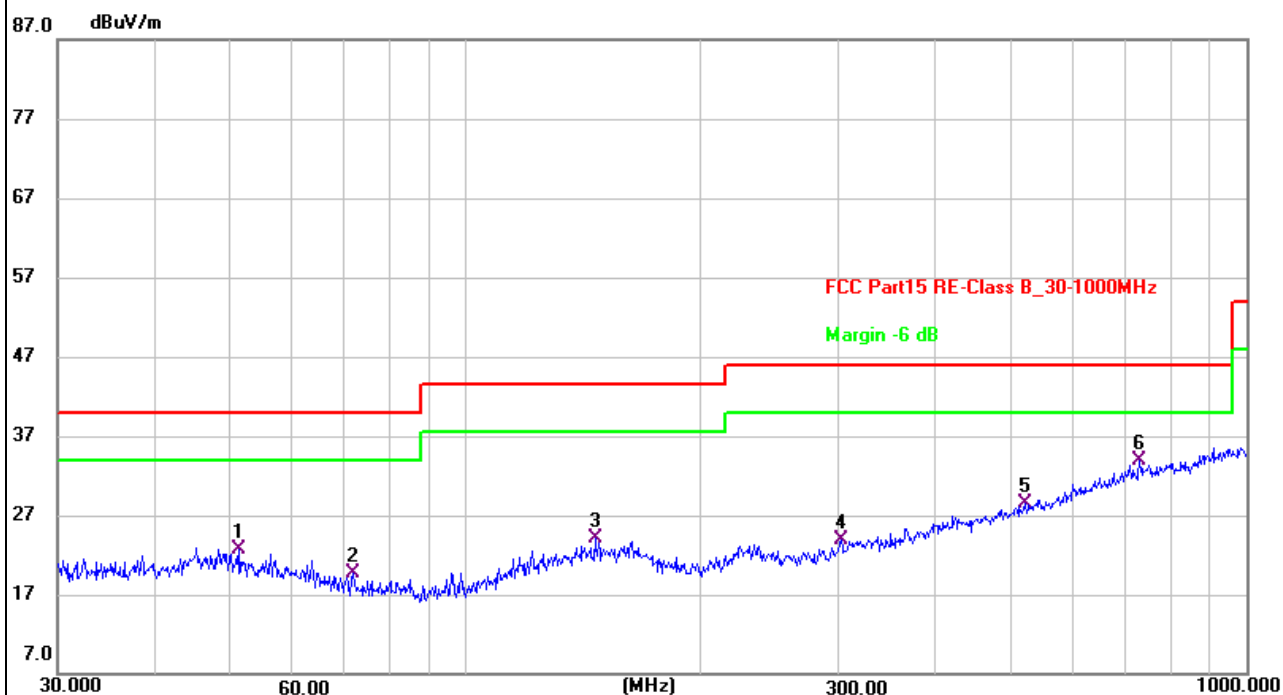
Tested Mode:	TM5
Test Antenna Polarization:	Horizontal
Remark:	Wireless charging 2W



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	42.7496	33.41	-11.42	21.99	40.00	-18.01	QP	100	147	P	
2	59.6493	35.32	-12.99	22.33	40.00	-17.67	QP	100	139	P	
3	122.8340	34.01	-12.63	21.38	43.50	-22.12	QP	100	167	P	
4	158.1123	34.09	-10.99	23.10	43.50	-20.40	QP	100	78	P	
5	305.6800	38.34	-10.96	27.38	46.00	-18.62	QP	100	350	P	
6 *	636.1340	36.44	-4.18	32.26	46.00	-13.74	QP	100	48	P	

Test Plots and Data of Radiated Emissions from 30MHz to 1GHz

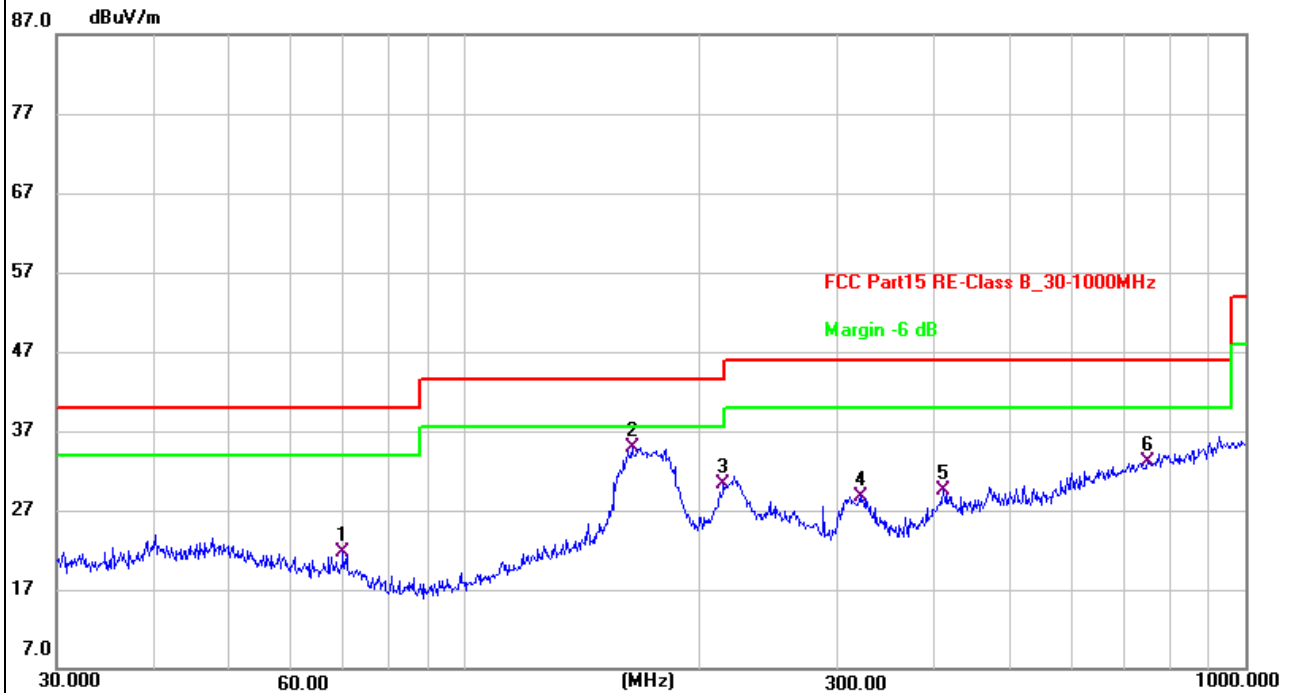
Tested Mode:	TM5
Test Antenna Polarization:	Vertical
Remark:	Wireless charging 2W



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	51.3005	34.47	-11.71	22.76	40.00	-17.24	QP	100	333	P	
2	71.5806	34.60	-14.99	19.61	40.00	-20.39	QP	100	263	P	
3	146.3735	35.15	-11.08	24.07	43.50	-19.43	QP	100	360	P	
4	302.4812	34.94	-11.08	23.86	46.00	-22.14	QP	100	356	P	
5	520.8882	34.70	-6.21	28.49	46.00	-17.51	QP	100	12	P	
6 *	729.3583	36.38	-2.55	33.83	46.00	-12.17	QP	100	314	P	

Test Plots and Data of Radiated Emissions from 30MHz to 1GHz

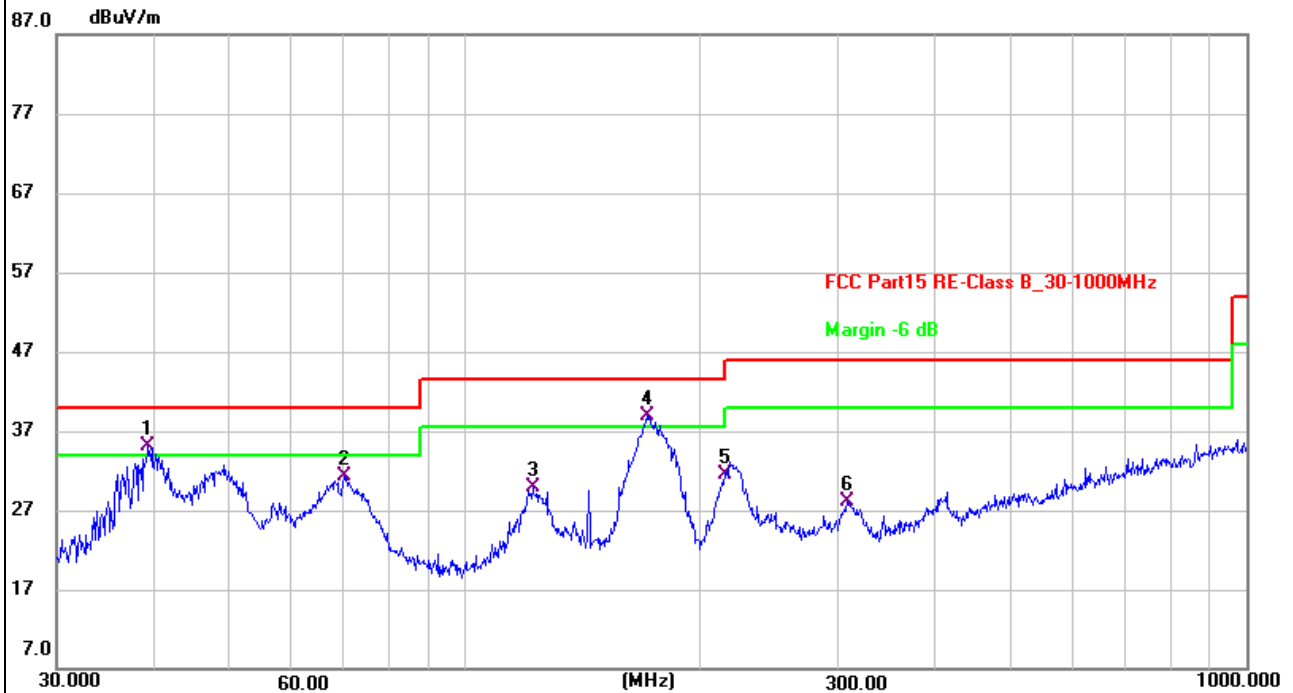
Tested Mode:	TM6
Test Antenna Polarization:	Horizontal
Remark:	Wireless charging 5W + Charging



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	69.8450	36.52	-14.78	21.74	40.00	-18.26	QP	100	174	P	
2 *	163.7550	46.29	-11.35	34.94	43.50	-8.56	QP	200	349	P	
3	214.5143	45.33	-15.04	30.29	43.50	-13.21	QP	200	36	P	
4	321.0608	39.15	-10.35	28.80	46.00	-17.20	QP	200	349	P	
5	410.3825	37.94	-8.47	29.47	46.00	-16.53	QP	100	164	P	
6	750.1083	35.46	-2.30	33.16	46.00	-12.84	QP	200	349	P	

Test Plots and Data of Radiated Emissions from 30MHz to 1GHz

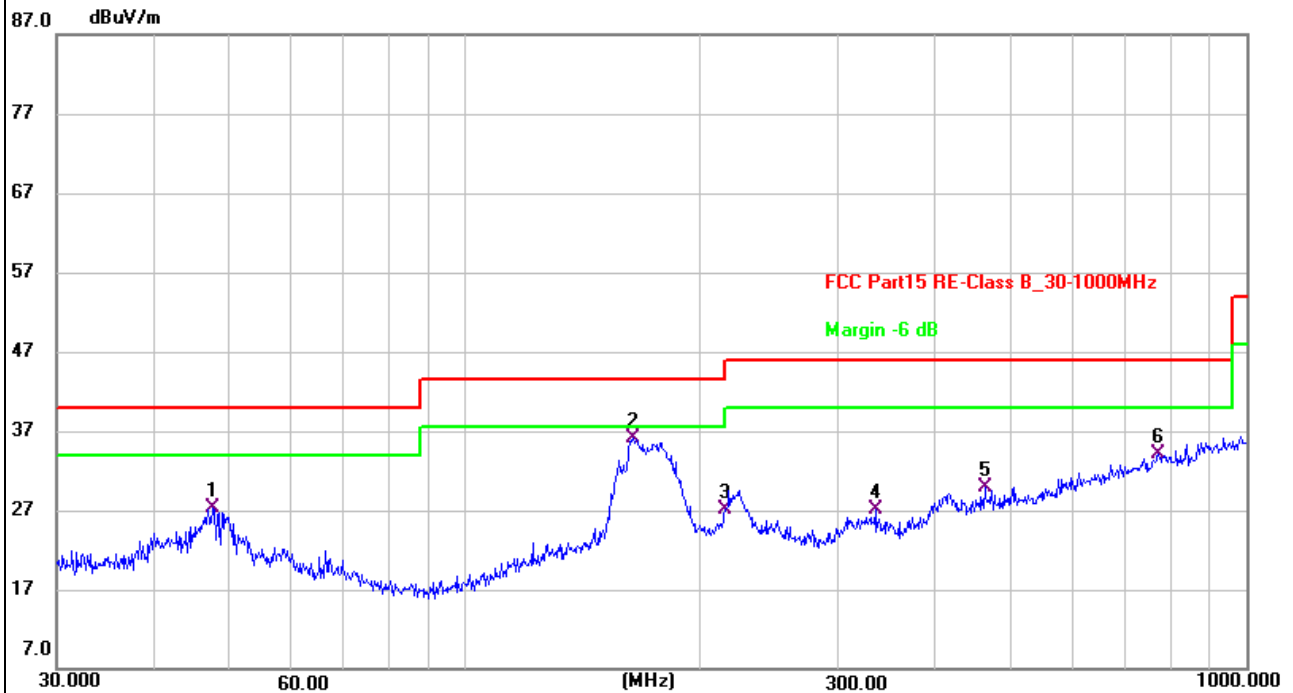
Tested Mode:	TM6
Test Antenna Polarization:	Vertical
Remark:	Wireless charging 5W + Charging



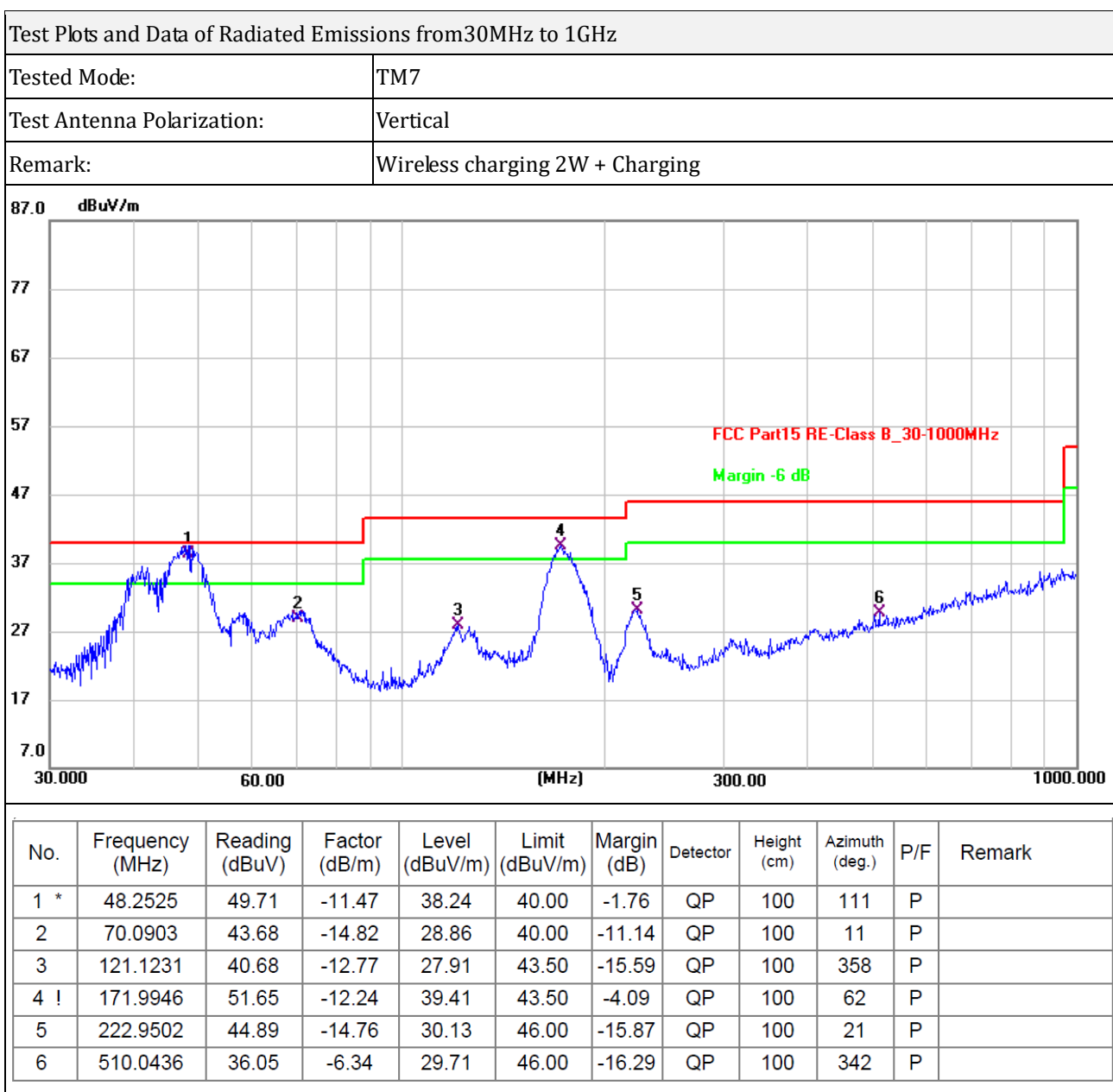
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 !	39.2991	46.77	-11.58	35.19	40.00	-4.81	QP	100	177	P	
2	70.0903	46.04	-14.82	31.22	40.00	-8.78	QP	100	348	P	
3	121.9755	42.52	-12.70	29.82	43.50	-13.68	QP	100	348	P	
4 *	170.7926	50.94	-12.03	38.91	43.50	-4.59	QP	100	157	P	
5	215.2678	46.52	-15.03	31.49	43.50	-12.01	QP	100	9	P	
6	307.8313	38.98	-10.87	28.11	46.00	-17.89	QP	100	138	P	

Test Plots and Data of Radiated Emissions from 30MHz to 1GHz

Tested Mode:	TM7
Test Antenna Polarization:	Horizontal
Remark:	Wireless charging 2W + Charging



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	47.4918	38.77	-11.45	27.32	40.00	-12.68	QP	100	252	P	
2 *	164.3301	47.50	-11.39	36.11	43.50	-7.39	QP	200	350	P	
3	215.2678	42.22	-15.03	27.19	43.50	-16.31	QP	200	350	P	
4	334.8589	37.43	-10.33	27.10	46.00	-18.90	QP	100	41	P	
5	462.3455	37.13	-7.31	29.82	46.00	-16.18	QP	100	11	P	
6	771.4486	36.15	-2.01	34.14	46.00	-11.86	QP	100	243	P	



Note 1: this EUT was tested in 3 orthogonal positions and the worst case position data was reported

Note 2: Testing is carried out with frequency rang 9kHz to the tenth harmonics. The measurements greater than 20dB below the limit from 9kHz to 30MHz.

Note 3: For 9kHz-30MHz, Distance extrapolation factor = $40 \log (\text{specific distance}/\text{test distance})$ (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.

Note 4: Level = Reading + Factor, Margin = Level – Limit.

6. Occupied Bandwidth

6.1 Standard and Limit

According to 15.215 (c), intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

6.2 Test Procedure

According to the ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024, section 6.9, the emission bandwidth test method as follows.

- 1) EUT connect to the spectrum analyzer via a low loss RF cable.
 - 2) Set Span range for the EMI receiver or spectrum analyzer shall be between two times and five times the OBW.
 - 3) Set RBW = 1% ~5% of the OBW bandwidth, VBW $\geq [3 \times \text{RBW}]$.
 - 4) Set Sweep = Auto, Detector function = peak, Trace = max hold.
 - 5) Set a reference level on the measuring instrument equal to the highest peak value.
 - 6) Measure the frequency difference of two frequencies that were attenuated 20dB from the reference level.
- Record the frequency difference as the emission bandwidth.

All the trace to stabilize, use the marker-to-peak function to set the marker to the peak of the emission, use the marker-delta function to measure and record the 20dB down and 99% bandwidth of the emission.



Test Setup Block Diagram

6.3 Test Data and Results

Test Frequency	20dB Bandwidth	99% Bandwidth
143.4kHz	65Hz	53Hz

Phone/ Earphone:

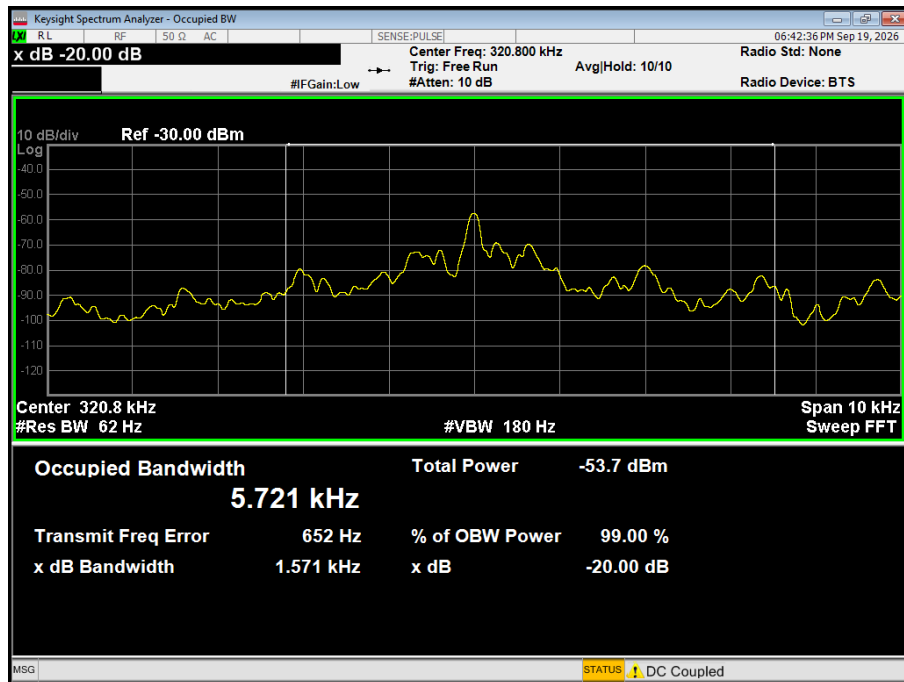
Test Plots of Occupied Bandwidth



Test Frequency	20dB Bandwidth	99% Bandwidth
320.8kHz	1.571kHz	5.721kHz

Watch:

Test Plots of Occupied Bandwidth



***** END OF REPORT *****