FCC TEST REPORT

FCC ID: YOAXP61181

Report No.	:	SSP26090424-1
Applicant	:	Xoopar Limited
Product Name	:	SMILE 2 Magnetic Wireless Power Bank
Model Name	:	XP61181
Test Standard	:	FCC Part 15 Subpart C
Date of Issue	:	2026-10-09

Shenzhen CCUT Quality Technology Co., Ltd.
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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.....:	Xoopar Limited
Address of Applicant.....:	Room 1608-09, Jin Wei Building 4051 Jiabin Road Luohu Area Shenzhen, China
Manufacturer.....:	Xoopar Limited
Address of Manufacturer.....:	Room 1608-09, Jin Wei Building 4051 Jiabin Road Luohu Area Shenzhen, China
Product Name.....:	SMILE 2 Magnetic Wireless Power Bank
Brand Name.....:	xoopar
Main Model.....:	XP61181
Series Models.....:	-
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 .....:	2026-09-12 to 2026-10-08
Test Result.....:	PASS
Tested By .....:	Colin Chen (Colin Chen)
Reviewed By.....:	Lorzix Luo (Lorzix Luo)
Authorized Signatory.....:	Lahm Peng (Lahm Peng)

Shenzhen CCUT Quality Technology Co., Ltd. APPROVED

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Revision History

Revision	Issue Date	Description	Revised By
V1.0	2026-10-09	Initial Release	Lahm Peng

1. General Information

1.1 Product Information

Product Name:	SMILE 2 Magnetic Wireless Power Bank
Trade Name:	xoopar
Test Model:	XP61181
Series Models:	-
Rated Voltage:	USB-C Input: 5V/3A, 9V/2A, 12V/1.5A USB-C Output:5V/3A, 9V/2.22A, 12V/1.67A Wireless Output: 5W/7.5W/10W/15W
Battery:	18.5Wh (5000mAh, 3.7V)
Test Sample No:	SSP26090424-1
Hardware Version:	V1.0
Software Version:	V1.0
Note 1: The test data is gathered from a production sample, provided by the manufacturer.	

Wireless Specification	
Wireless Standard:	WPC (QI)
Operating Frequency:	Wireless charging Output: 110.5kHz-205kHz
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 5W+Charging	-
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 and TM5 data.		

List and Details of Auxiliary Cable			
Description	Length (cm)	Shielded/Unshielded	With/Without Ferrite
-	-	-	-
-	-	-	-

List and Details of Auxiliary Equipment			
Description	Manufacturer	Model	Serial Number
Dummy load(15W)	YBZ	YBZ-001	N/A
Adapter	CUKTECH Technology Co., Ltd	AD1003	-

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	MWRFTest	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

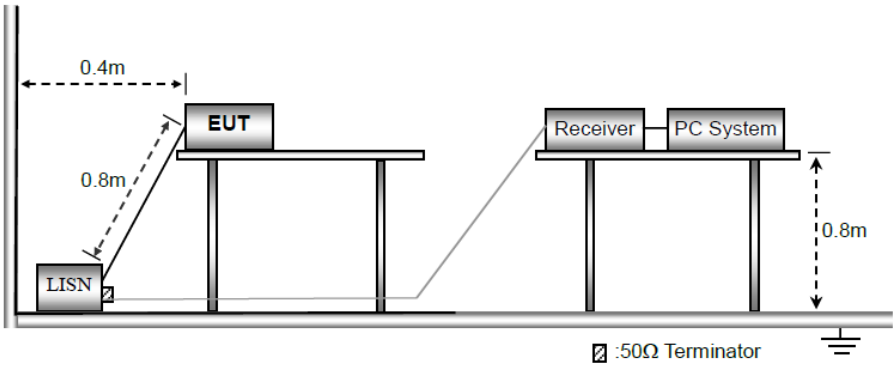
4.1 Standard and Limit

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.

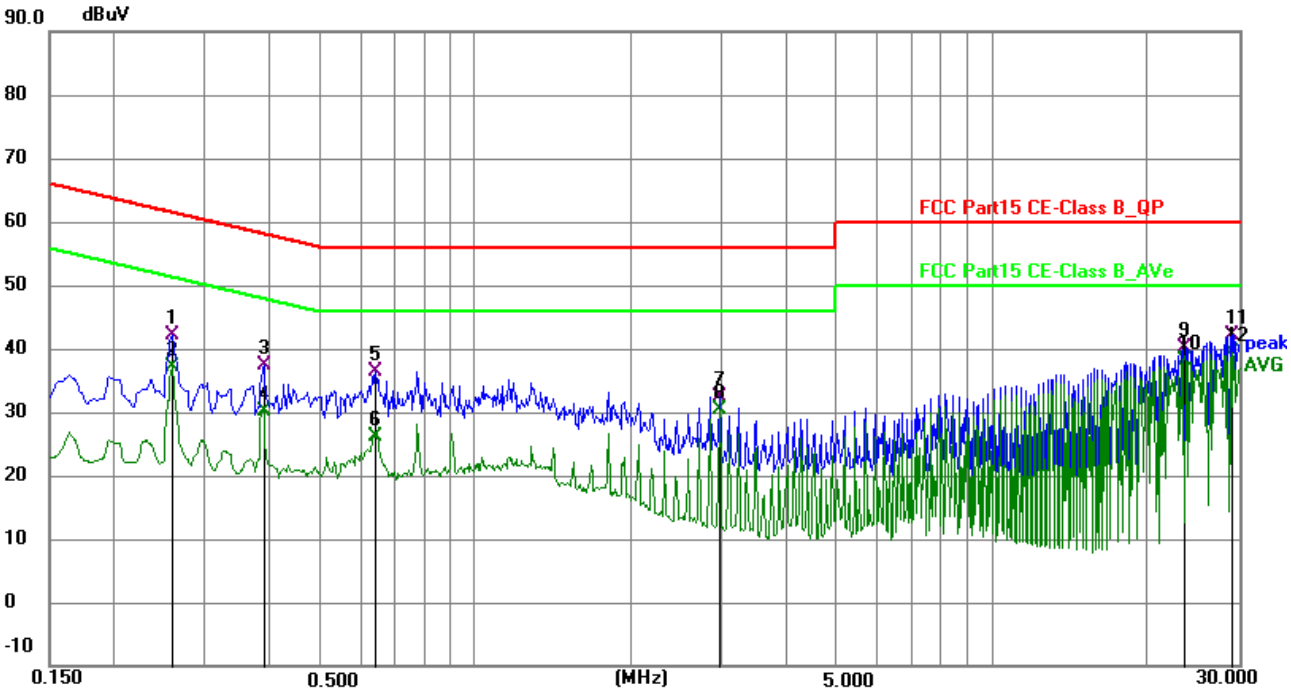
f) LISN is at least 80 cm from nearest part of EUT chassis.

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

4.3 Test Data and Results

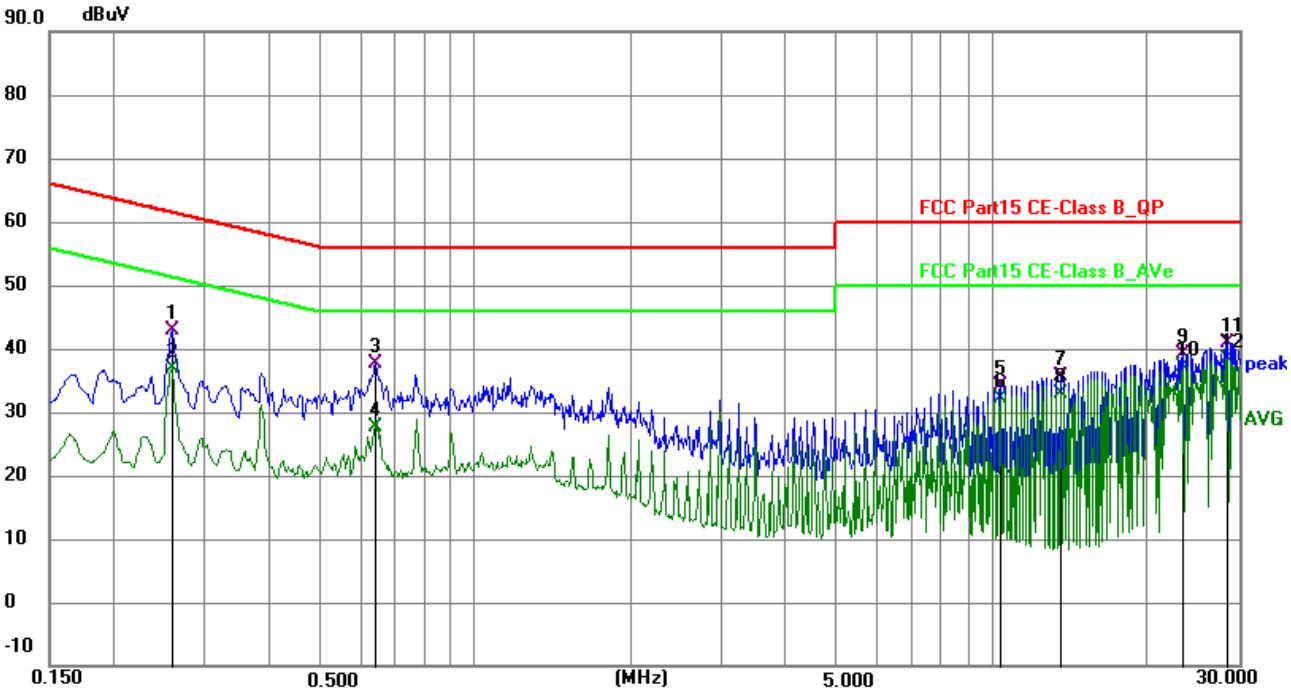
Based on all tested data, the EUT complied with the FCC Part standard limit for a wireless device, and with the worst case TM5 as below:
Remark: Level = Reading + Factor, Margin = Level - Limit

Test Plots and Data of Conducted Emissions	
Tested Mode:	TM5
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	0.2580	32.92	9.32	42.24	61.50	-19.26	QP	P	
2	0.2580	27.70	9.32	37.02	51.50	-14.48	AVG	P	
3	0.3885	28.07	9.38	37.45	58.10	-20.65	QP	P	
4	0.3885	20.83	9.38	30.21	48.10	-17.89	AVG	P	
5	0.6405	27.06	9.36	36.42	56.00	-19.58	QP	P	
6	0.6405	16.80	9.36	26.16	46.00	-19.84	AVG	P	
7	2.9760	22.88	9.50	32.38	56.00	-23.62	QP	P	
8	2.9760	20.89	9.50	30.39	46.00	-15.61	AVG	P	
9	23.6669	30.16	10.03	40.19	60.00	-19.81	QP	P	
10	23.6669	28.10	10.03	38.13	50.00	-11.87	AVG	P	
11	29.0985	31.96	10.10	42.06	60.00	-17.94	QP	P	
12 *	29.0985	29.37	10.10	39.47	50.00	-10.53	AVG	P	

Test Plots and Data of Conducted Emissions	
Tested Mode:	TM5
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	0.2580	33.45	9.51	42.96	61.50	-18.54	QP	P	
2	0.2580	27.28	9.51	36.79	51.50	-14.71	AVG	P	
3	0.6405	28.19	9.56	37.75	56.00	-18.25	QP	P	
4	0.6405	18.13	9.56	27.69	46.00	-18.31	AVG	P	
5	10.3425	24.46	9.76	34.22	60.00	-25.78	QP	P	
6	10.3425	22.32	9.76	32.08	50.00	-17.92	AVG	P	
7	13.5735	26.01	9.73	35.74	60.00	-24.26	QP	P	
8	13.5735	23.07	9.73	32.80	50.00	-17.20	AVG	P	
9	23.3970	29.11	10.14	39.25	60.00	-20.75	QP	P	
10	23.3970	26.90	10.14	37.04	50.00	-12.96	AVG	P	
11	28.5675	30.63	10.30	40.93	60.00	-19.07	QP	P	
12 *	28.5675	28.03	10.30	38.33	50.00	-11.67	AVG	P	

5. Radiated Emissions

5.1 Standard and Limit

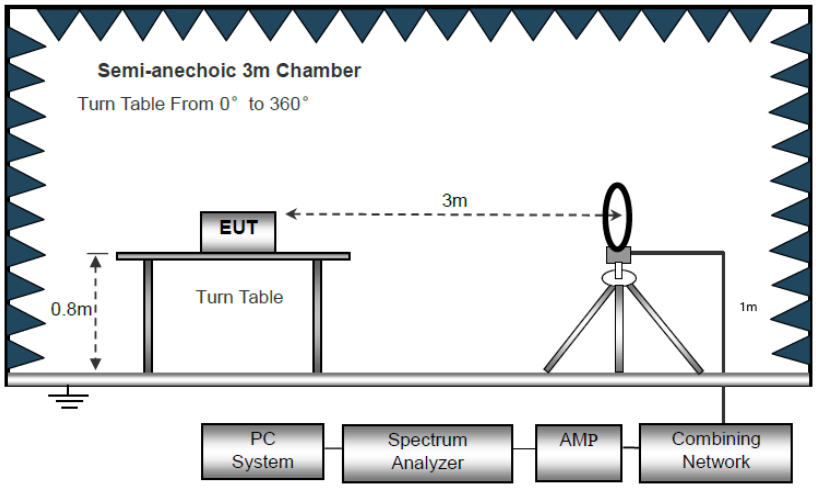
According to the rule FCC Part 15.209, Radiated emission limit for a wireless device as below:

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.		

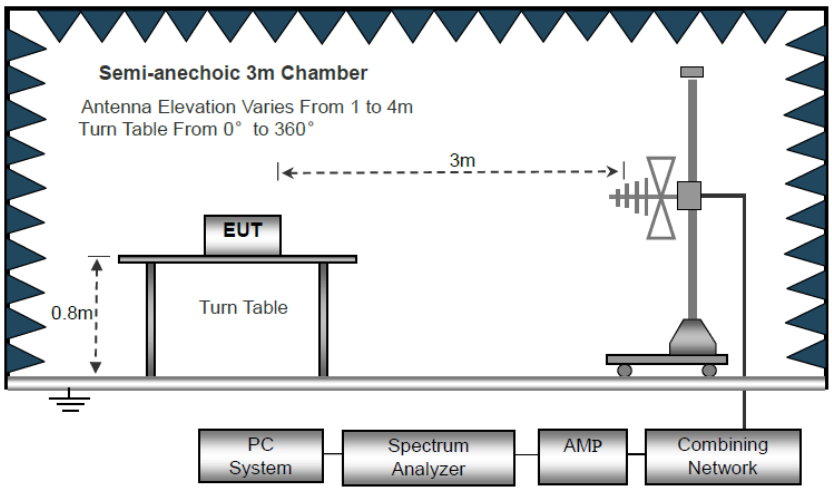
Note: Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

5.2 Test Procedure

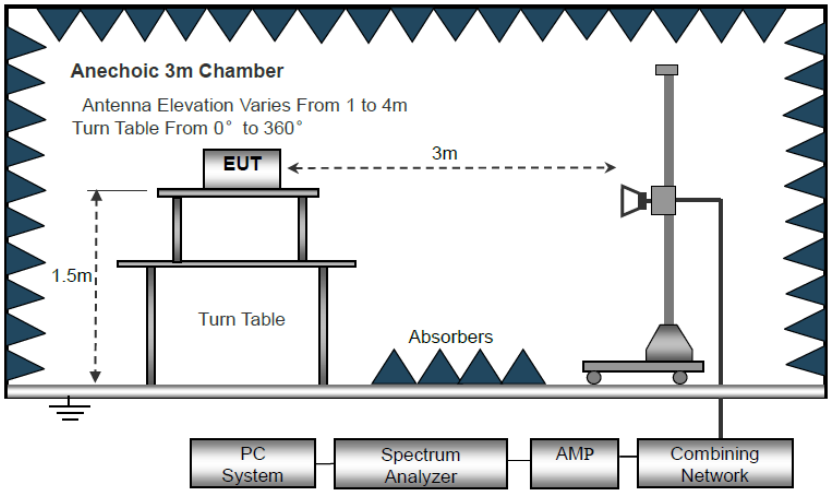
Test is conducting under the description of ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 section 6.3 to 6.6.



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 ≥ 1GHz, 100 kHz for f < 1 GHz, 10kHz for f < 30MHz
VBW ≥ 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.

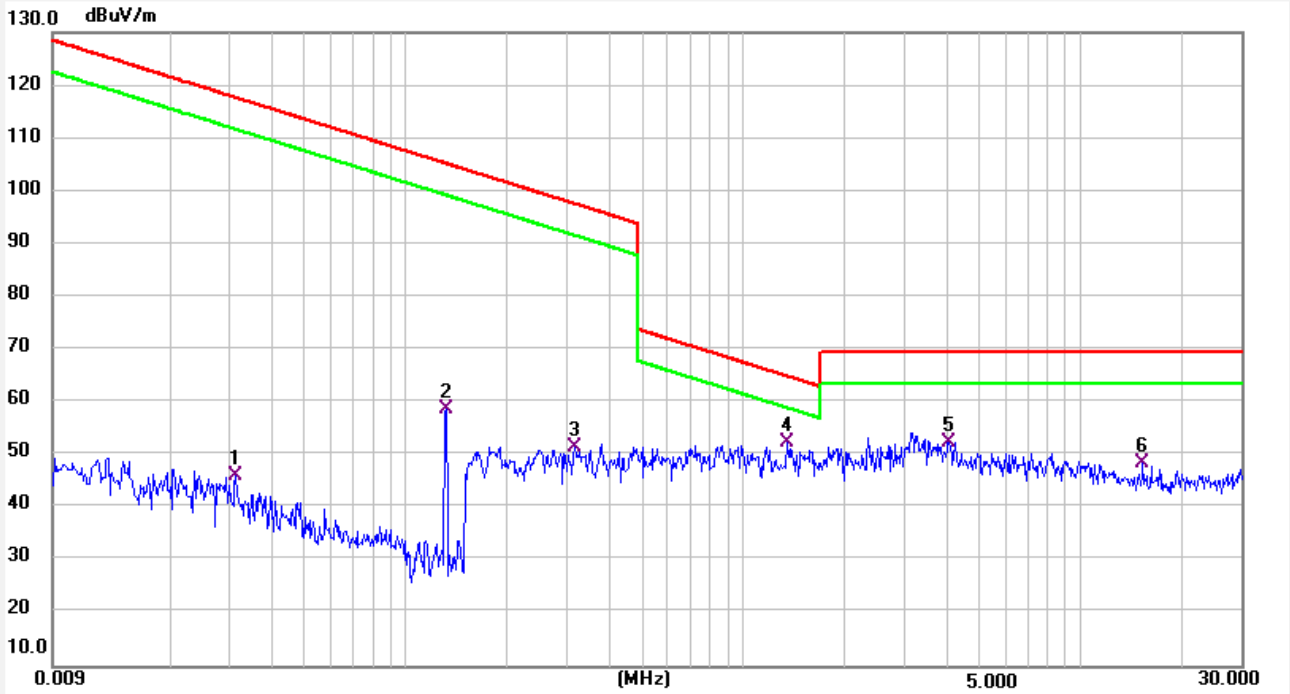
5.3 Test Data and Results

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 TM5 and TM4 as below:

Test Data of Radiated Emissions from9kHz to 30MHz			
Test Mode:	TM4	Phase:	Coplaner
Test Voltage:	DC 3.7V		
Remark:	Wireless charging 15W		

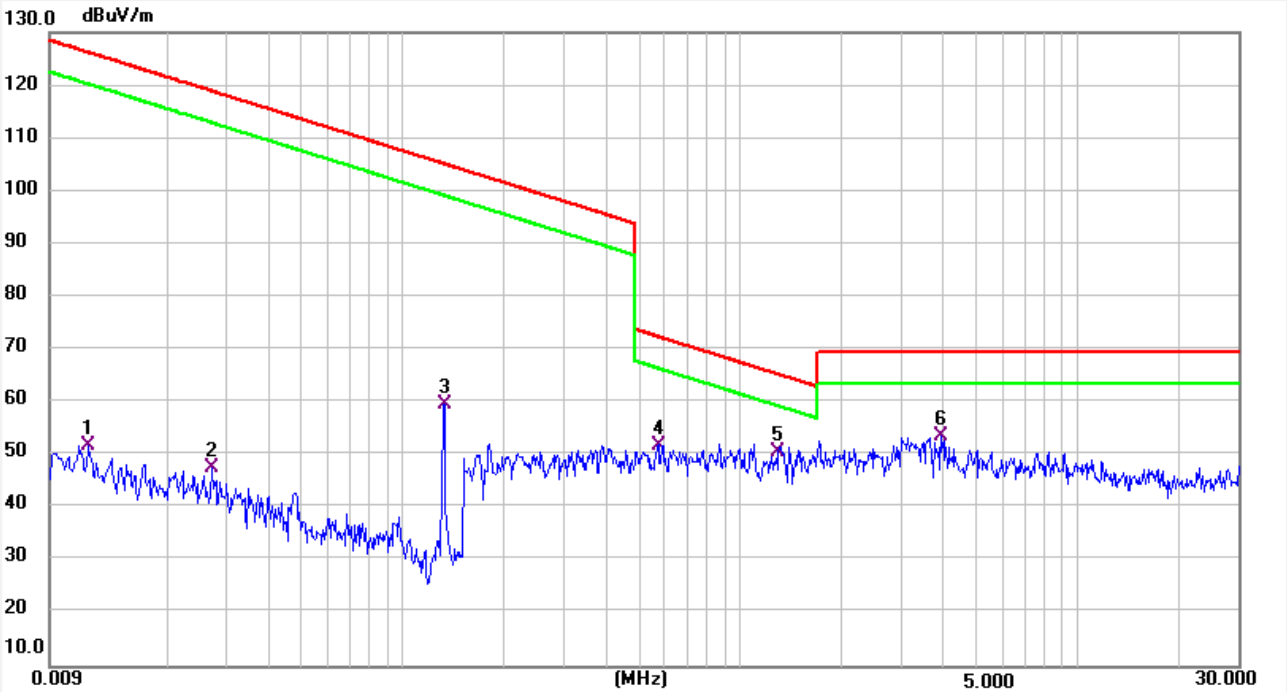
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	0.0251	12.41	34.37	46.78	119.60	-72.82	QP	100	256	P	
2	0.1306	31.82	25.35	57.17	105.28	-48.11	QP	100	142	P	
3	0.3913	26.26	25.75	52.01	95.75	-43.74	QP	100	56	P	
4 *	1.3167	23.95	25.97	49.92	65.21	-15.29	QP	100	34	P	
5	3.5465	27.19	26.36	53.55	69.50	-15.95	QP	100	246	P	
6	9.0112	23.18	26.80	49.98	69.50	-19.52	QP	100	349	P	

Test Mode:	TM4	Phase:	Coaxial
Test Voltage:	DC 3.7V		
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	0.0313	12.74	33.47	46.21	117.68	-71.47	QP	100	65	P	
2	0.1310	33.50	25.36	58.86	105.25	-46.39	QP	100	156	P	
3	0.3166	25.82	25.81	51.63	97.59	-45.96	QP	100	227	P	
4 *	1.3450	26.48	25.98	52.46	65.02	-12.56	QP	100	54	P	
5	4.0703	25.91	26.46	52.37	69.50	-17.13	QP	100	316	P	
6	15.2261	22.92	25.76	48.68	69.50	-20.82	QP	100	268	P	

Test Data of Radiated Emissions from9kHz to 30MHz			
Test Mode:	TM5	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	0.0117	16.14	35.77	51.91	126.22	-74.31	QP	100	21	P	
2	0.0270	13.56	34.18	47.74	118.96	-71.22	QP	100	315	P	
3	0.1320	34.13	25.38	59.51	105.19	-45.68	QP	100	56	P	
4	0.5700	26.36	25.64	52.00	72.49	-20.49	QP	100	247	P	
5 *	1.2960	24.70	25.98	50.68	65.34	-14.66	QP	100	101	P	
6	3.9430	27.20	26.42	53.62	69.50	-15.88	QP	100	245	P	

Test Mode:	TM5	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	0.0165	15.15	35.27	50.42	123.24	-72.82	QP	100	332	P	
2	0.1330	32.28	25.40	57.68	105.12	-47.44	QP	100	215	P	
3	0.2615	26.84	25.80	52.64	99.25	-46.61	QP	100	10	P	
4	0.3791	26.06	25.77	51.83	96.03	-44.20	QP	100	214	P	
5 *	1.0881	26.71	25.93	52.64	66.86	-14.22	QP	100	58	P	
6	3.2239	27.42	26.31	53.73	69.50	-15.77	QP	100	61	P	

Note:

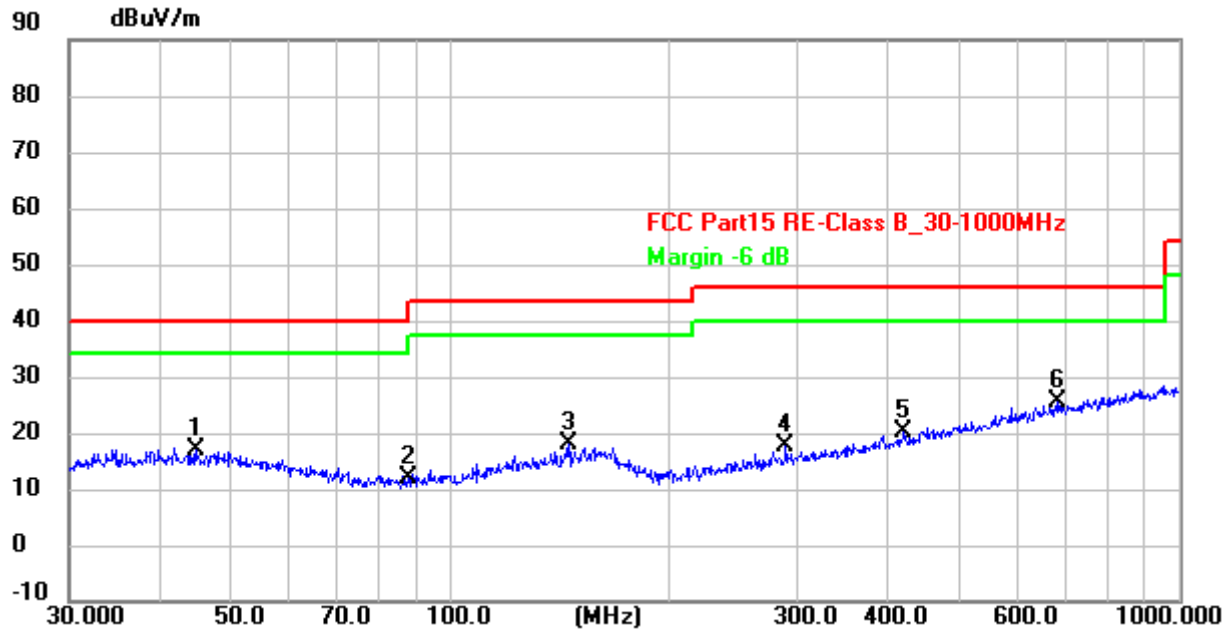
Pre-scan in the all of mode, the worst case in of was recorded.

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

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

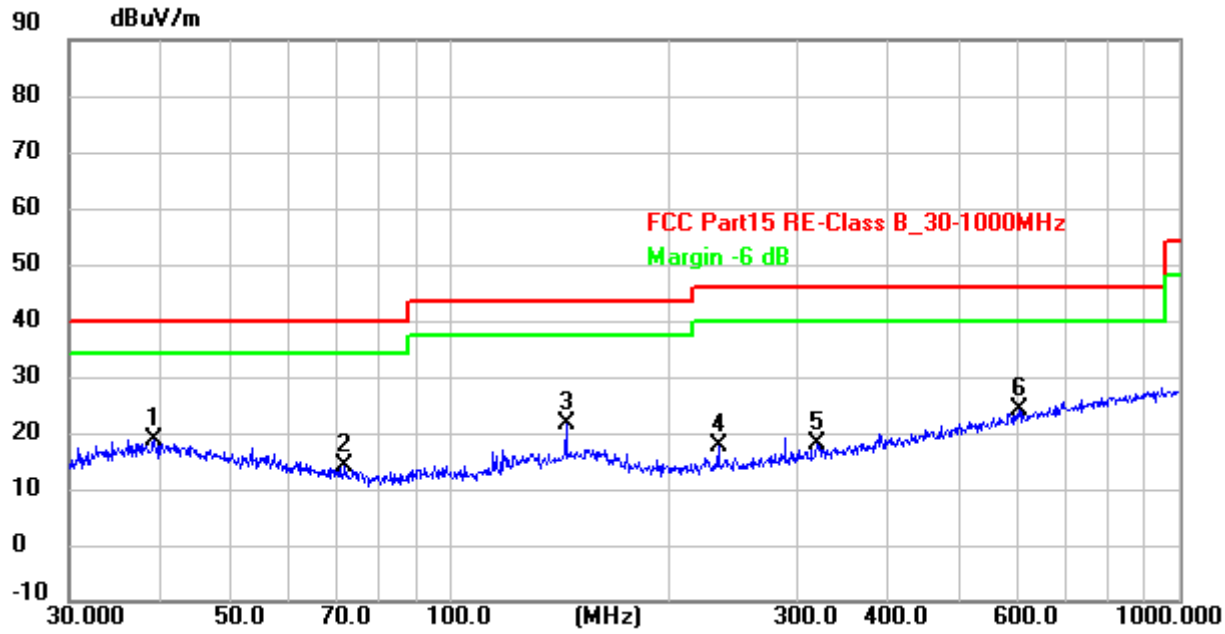
Margin = Reading - Limit.

Test Plots and Data of Radiated Emissions from30MHz to 1GHz	
Tested Mode:	TM4
Test Antenna Polarization:	Horizontal
Remark:	Wireless charging 15W



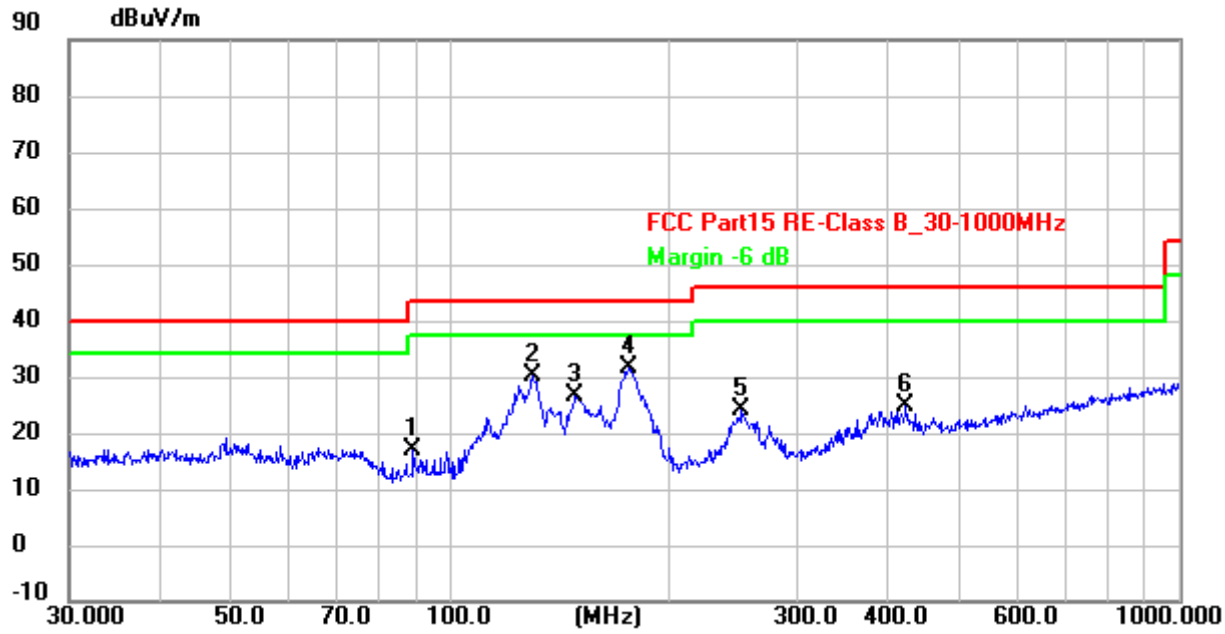
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	44.9006	28.10	-11.23	16.87	40.00	-23.13	QP	100	57	Pass	
2	87.5710	27.45	-15.53	11.92	40.00	-28.08	QP	100	202	Pass	
3	145.3506	29.29	-11.35	17.94	43.50	-25.56	QP	100	9	Pass	
4	287.9904	29.25	-11.72	17.53	46.00	-28.47	QP	100	142	Pass	
5	419.1081	28.19	-8.15	20.04	46.00	-25.96	QP	100	184	Pass	
6 *	681.1532	28.43	-3.05	25.38	46.00	-20.62	QP	100	324	Pass	

Test Plots and Data of Radiated Emissions from30MHz to 1GHz	
Tested Mode:	TM4
Test Antenna Polarization:	Vertical
Remark:	Wireless charging 15W



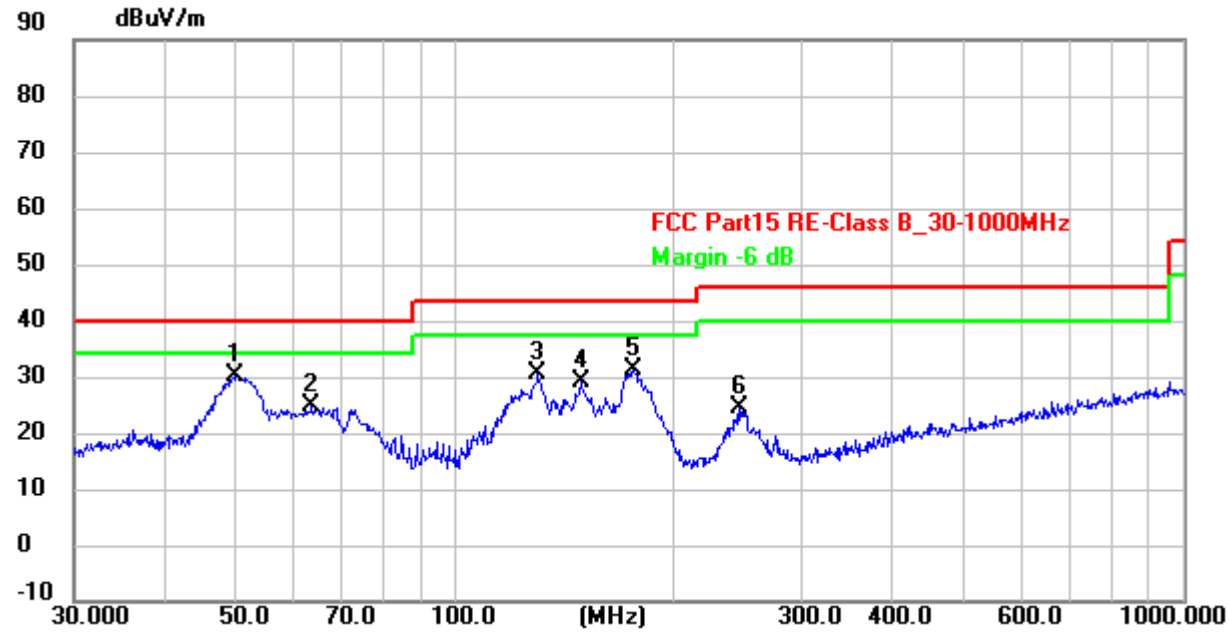
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	39.2301	29.81	-11.01	18.80	40.00	-21.20	QP	100	95	Pass	
2	71.8320	28.88	-14.66	14.22	40.00	-25.78	QP	100	360	Pass	
3	144.0820	32.93	-11.38	21.55	43.50	-21.95	QP	100	143	Pass	
4	233.7581	31.41	-13.59	17.82	46.00	-28.18	QP	100	260	Pass	
5	319.3765	28.68	-10.80	17.88	46.00	-28.12	QP	100	54	Pass	
6	603.5391	28.21	-4.23	23.98	46.00	-22.02	QP	100	186	Pass	

Test Plots and Data of Radiated Emissions from30MHz to 1GHz	
Tested Mode:	TM5
Test Antenna Polarization:	Horizontal
Remark:	Wireless charging 5W + Charging



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	88.9639	32.54	-15.47	17.07	43.50	-26.43	QP	200	188	Pass	
2	129.6950	42.48	-12.21	30.27	43.50	-13.23	QP	100	348	Pass	
3	148.4410	38.01	-11.23	26.78	43.50	-16.72	QP	100	348	Pass	
4 *	175.9598	44.53	-12.99	31.54	43.50	-11.96	QP	200	314	Pass	
5	251.1804	37.01	-12.89	24.12	46.00	-21.88	QP	100	323	Pass	
6	422.0577	32.88	-8.07	24.81	46.00	-21.19	QP	100	123	Pass	

Test Plots and Data of Radiated Emissions from30MHz to 1GHz	
Tested Mode:	TM5
Test Antenna Polarization:	Vertical
Remark:	Wireless charging 5W + Charging



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	49.7940	41.67	-11.52	30.15	40.00	-9.85	QP	100	13	Pass	
2	63.5356	38.16	-13.47	24.69	40.00	-15.31	QP	100	134	Pass	
3	129.9226	42.57	-12.20	30.37	43.50	-13.13	QP	100	158	Pass	
4	148.7015	40.19	-11.23	28.96	43.50	-14.54	QP	100	49	Pass	
5	175.3439	44.07	-12.91	31.16	43.50	-12.34	QP	100	230	Pass	
6	245.5201	37.51	-13.11	24.40	46.00	-21.60	QP	100	248	Pass	

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 (specific distance/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) Remove the antenna from the EUT and connect to the spectrum analyzer via a low loss RF cable.
2) Set the spectrum analyzer to any one measured frequency within its operating range.
3) Set RBW = 1% ~5% of the 20 dB bandwidth, VBW = 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.

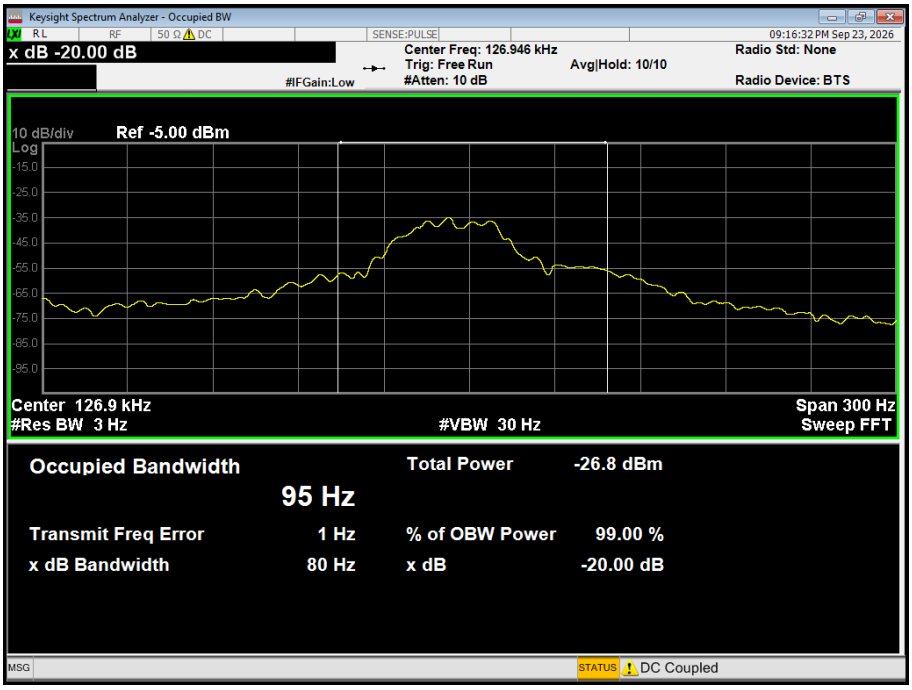
All the trace to stabilize, use the marker-to-peak function to set the marker to the peak of the emission, use the marker-delta function to measure and record the 20dB down and 99% bandwidth of the emission.

Test Setup Block Diagram

6.3 Test Data and Results

Test Frequency	20dB Bandwidth	99% Bandwidth
126.9kHz	80Hz	95Hz

Test Plots of Occupied Bandwidth



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