



FCC TEST REPORT
FCC ID: 2AOV6-GRFWC1008

On Behalf of

Shenzhen Minsuo Industrial Co., Ltd

3 in 1 Foldable Wireless Charger

Model No.: GRFWC1008, MP-298

Prepared for : Shenzhen Minsuo Industrial Co., Ltd
Address : 12th floor, Block B, Tengyao Building, No.268 Gushu 2nd road, Xixiang
Town, Baoan District, Shenzhen, Guangdong , China

Prepared By : Shenzhen Alpha Product Testing Co., Ltd.
Address : Building i, No.2, Lixin Road, Fuyong Street, Bao'an District,
518103, Shenzhen, Guangdong, China

Report Number : A2411242-C01-R01
Date of Receipt : November 26, 2024
Date of Test : November 26, 2024 - December 24, 2024
Date of Report : December 24, 2024
Version Number : V0
Test Result : Pass

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TEST REPORT DECLARATION

Applicant : Shenzhen Minsuo Industrial Co., Ltd
Address : 12th floor, Block B, Tengyao Building, No.268 Gushu 2nd road, Xixiang Town,
Baoan District, Shenzhen, Guangdong, China
Manufacturer : Shenzhen Minsuo Industrial Co., Ltd
Address : 12th floor, Block B, Tengyao Building, No.268 Gushu 2nd road, Xixiang Town,
Baoan District, Shenzhen, Guangdong, China
EUT Description : 3 in 1 Foldable Wireless Charger
(A) Model No. : GRFWC1008, MP-298
(B) Trademark : N/A

Measurement Standard Used:

FCC CFR Title 47 Part 15 Subpart C Section 15.209

The device described above is tested by Shenzhen Alpha Product Testing Co., Ltd. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The test results are contained in this test report and Shenzhen Alpha Product Testing Co., Ltd. is assumed full responsibility for the accuracy and completeness of test. Also, this report shows that the EUT is technically compliant with the FCC CFR Title 47 Part 15 Subpart C Section 15.209 requirements.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen Alpha Product Testing Co., Ltd.

Tested by (name + signature).....: Yannis Wen
Project Engineer

Yannis Wen

Approved by (name + signature).....: Jack Xu
Project Manager

Jack Xu

Date of issue.....: December 24, 2024

Revision History

Revision	Issue Date	Revisions	Revised By
V0	December 24, 2024	Initial released Issue	Yannis Wen

1. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203	PASS
AC Power Line Conducted Emission	§15.207	PASS
Spurious Emission	§15.209(a)(f)	PASS
Occupied Bandwidth	§15.215 (c)	PASS

Note:

1. *PASS: Test item meets the requirement.*
2. *Fail: Test item does not meet the requirement.*
3. *N/A: Test case does not apply to the test object.*
4. *The test result judgment is decided by the limit of test standard.*
5. Decision rules for the conclusion of this test report: decision by actual test data without considering measurement uncertainty.

2. General Information

2.1. Description of Device (EUT)

EUT Name : 3 in 1 Foldable Wireless Charger
Model No. : GRFWC1008, MP-298
DIFF. : There is no difference except the name of the model. All tests are made with the GRFWC1008 model.
Power supply : Input: 9V DC, 3A MAX
Output: 15W/10W/7.5W/5W
Watch: 2W Earbuds: 3W

Radio Technology	: Wireless power transmission systems
Operation frequency	: 115-205KHz, 325KHz-325KHz
Modulation	: MSK
Antenna Type	: Coil Antenna, Maximum Gain is 0dBi (Antenna information is provided by applicant.)
Software version	: V1.0
Hardware version	: V1.0
Intend use environment	: Residential, commercial and light industrial environment

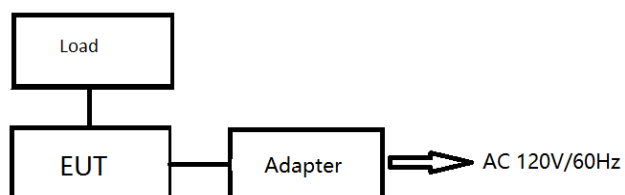
2.2. Accessories of Device (EUT)

Accessories	:	/
Manufacturer	:	/
Model	:	/
specifications	:	/

2.3. Tested Supporting System Details

No.	Description	Manufacturer	Model	Serial Number	Certification or SDoC
1	Adapter	XinSPower	BS-CH905	N/A	N/A
2	Wireless Load	N/A	N/A	N/A	N/A
3	Wireless Load	N/A	N/A	N/A	N/A
4	Wireless Load	N/A	N/A	N/A	N/A
5	Load	N/A	N/A	N/A	N/A
6	Load	N/A	N/A	N/A	N/A

2.4. Block Diagram of connection between EUT and simulators



2.5. Description of Test Modes

Channel	Frequency (KHz)
1	128
2	160
3	325

2.6. Test Conditions

Items	Required	Actual
Temperature range:	15-35°C	24°C
Humidity range:	25-75%	56%
Pressure range:	86-106kPa	98kPa

2.7. Test Facility

Shenzhen Alpha Product Testing Co., Ltd

Building i, No.2, Lixin Road, Fuyong Street, Bao'an District, 518103, Shenzhen, Guangdong, China

June 21, 2018 File on Federal Communication Commission

Registration Number: 293961

July 15, 2019 Certificated by IC

Registration Number: 12135A

2.8. Measurement Uncertainty

(95% confidence levels, k=2)

Item	Uncertainty
Uncertainty for Power point Conducted Emissions Test	1.63dB
Uncertainty for Radiation Emission test in 3m chamber (below 30MHz)	3.5dB
Uncertainty for Radiation Emission test in 3m chamber (30MHz to 1GHz)	3.74dB(Polarize: V)
	3.76dB(Polarize: H)
Uncertainty for Radiation Emission test in 3m chamber (1GHz to 25GHz)	3.77dB(Polarize: V)
	3.80dB(Polarize: H)
Uncertainty for Radiation Emission test in 3m chamber (18GHz to 40GHz)	4.31 dB(Polarize: V)
	4.30 dB(Polarize: H)
Uncertainty for radio frequency	5.06×10^{-8} GHz
Uncertainty for conducted RF Power	0.40dB
Uncertainty for temperature	0.2°C
Uncertainty for humidity	1%
Uncertainty for DC and low frequency voltages	0.06%

2.9. Test Equipment List

Equipment	Manufacture	Model No.	Firmware version	Serial No.	Last cal.	Cal Interval
9*6*6 anechoic chamber	CHENYU	9*6*6	/	N/A	2022.05.18	3Year
Spectrum analyzer	ROHDE&SCHWARZ	FSV40-N	2.3	102137	2024.08.08	1Year
Spectrum analyzer	Agilent	N9020A	A.14.16	MY499100060	2024.08.08	1Year
Receiver	ROHDE&SCHWARZ	ESR	2.28 SP1	1316.3003K03-10 2082-Wa	2024.08.08	1Year
Receiver	R&S	ESCI	4.42 SP1	101165	2024.08.08	1Year
Bilog Antenna	Schwarzbeck	VULB 9168	/	VULB 9168#627	2023.08.28	2Year
Horn Antenna	SCHWARZBECK	BBHA 9120 D	/	2106	2023.08.19	2Year
Loop Antenna	SCHWARZBECK	FMZB 1519B	/	00128	2023.08.19	2Year
RF Cable	Resenberger	Cable 1	/	RE1	2024.08.08	1Year
RF Cable	Resenberger	Cable 2	/	RE2	2024.08.08	1Year
RF Cable	Resenberger	Cable 3	/	CE1	2024.08.08	1Year
Pre-amplifier	HP	HP8347A	/	2834A00455	2024.08.08	1Year
Pre-amplifier	Agilent	8449B	/	3008A02664	2024.08.08	1Year
L.I.S.N.#1	Schwarzbeck	NSLK8126	/	8126-466	2024.08.08	1Year
L.I.S.N.#2	ROHDE&SCHWARZ	ENV216	/	101043	2024.08.08	1Year
Horn Antenna	SCHWARZBECK	BBHA 9170	/	00946	2023.08.19	2Year
Preamplifier	SKET	LNPA_1840 -50	/	SK2018101801	2024.08.08	1 Year
Power Meter	Agilent	E9300A	/	MY41496628	2024.08.08	1 Year
Power Sensor	DARE	RPR3006W	/	15100041SNO91	2024.08.08	1 Year
Electronic Thermo-Hygrometer	S.H.Qixiang	HTC-1	/	N/A	2024.08.11	1 Year
Switching Mode Power Supply	JUNKE	JK12010S	/	20140927-6	2024.08.08	1 Year
Adjustable attenuator	MWRFTtest	N/A	/	N/A	N/A	N/A
10dB Attenuator	Mini-Circuits	DC-6G	/	N/A	N/A	N/A

Software Information			
Test Item	Software Name	Manufacturer	Version
RE	EZ-EMC	Farad	Alpha-3A1
CE	EZ-EMC	Farad	Alpha-3A1
RF-CE	MTS 8310	MWRFTtest	2.0.0.0

3. Test Results and Measurement Data

3.1. Conducted Emission

3.1.1. Test Specification

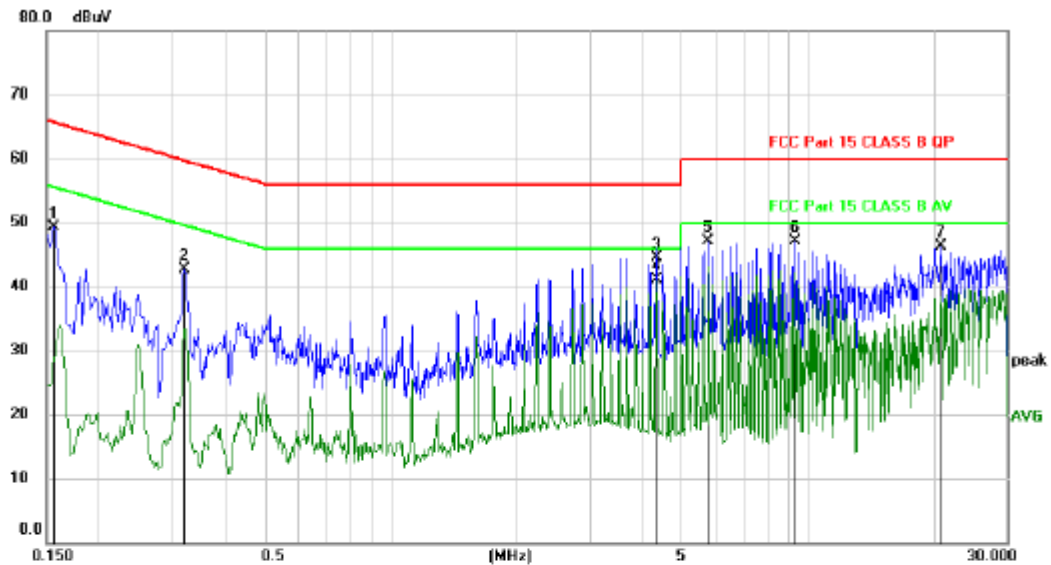
Test Requirement:	FCC Part15 C Section 15.207														
Test Method:	ANSI C63.10:2013														
Frequency Range:	150 kHz to 30 MHz														
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto														
Limits:	<table><tr><th rowspan="2">Frequency range (MHz)</th><th colspan="2">Limit (dBuV)</th></tr><tr><th>Quasi-peak</th><th>Average</th></tr><tr><td>0.15-0.5</td><td>66 to 56*</td><td>56 to 46*</td></tr><tr><td>0.5-5</td><td>56</td><td>46</td></tr><tr><td>5-30</td><td>60</td><td>50</td></tr></table>	Frequency range (MHz)	Limit (dBuV)		Quasi-peak	Average	0.15-0.5	66 to 56*	56 to 46*	0.5-5	56	46	5-30	60	50
Frequency range (MHz)	Limit (dBuV)														
	Quasi-peak	Average													
0.15-0.5	66 to 56*	56 to 46*													
0.5-5	56	46													
5-30	60	50													
Test Setup:	Reference Plane E.U.T Adapter LISN Filter AC power EMI Receiver Test table/Insulation plane 40cm 80cm Remark: E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m														
Test Mode:	Transmitting Mode														
Test Procedure:	1. The E.U.T is connected to an adapter through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.														
Test Result:	PASS														

3.1.2. Test data

Please refer to following diagram for individual

Test Mode	: 128KHz
Test Results	: PASS
Note:	The test results are listed in next pages. All test modes has been tested, this report only reflected the worst mode. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector and quasi-peak detector need not be carried out. If the limits for the measurement with the average detector are met when using a receiver with a quasi-peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.

EUT Description	3 in 1 Foldable Wireless Charger	Model No.	GRFWC1008
Temperature	24°C	Humidity	56%
Test Voltage	AC 120V/60Hz		
Pol	Line		



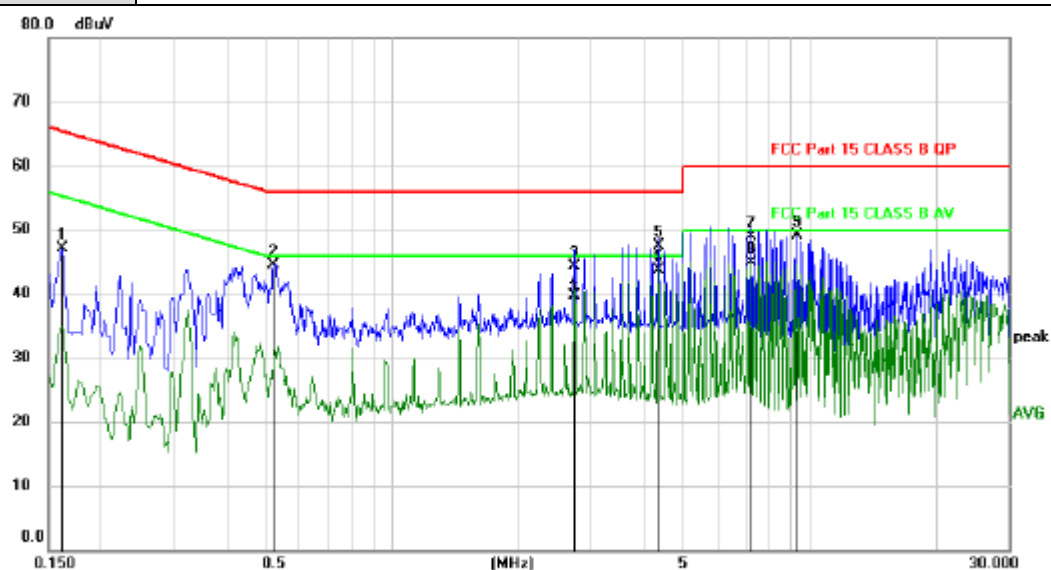
No.	Mk.	Freq. MHz	Reading Level dBμV	Correct Factor dB	Measure- ment dBμV	Limit dBμV	Margin dB	Detector	Comment
1		0.1560	39.37	9.94	49.31	65.67	-16.36	peak	
2		0.3209	32.76	9.93	42.69	59.68	-16.99	peak	
3		4.3380	34.50	9.99	44.49	56.00	-11.51	QP	
4	*	4.3380	31.13	9.99	41.12	46.00	-4.88	AVG	
5		5.7840	37.11	10.07	47.18	60.00	-12.82	peak	
6		9.3180	36.90	10.19	47.09	60.00	-12.91	peak	
7		20.8860	35.80	10.46	46.26	60.00	-13.74	peak	

*:Maximum data x:Over limit !:over margin

(Reference Only)

Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

Pol	Neutral
-----	---------



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1620	37.16	9.93	47.09	65.36	-18.27	peak	
2		0.5190	34.57	9.95	44.52	56.00	-11.48	peak	
3		2.7330	34.29	9.92	44.21	56.00	-11.79	QP	
4		2.7330	29.70	9.92	39.62	46.00	-6.38	AVG	
5		4.3380	37.45	9.99	47.44	56.00	-8.56	QP	
6	*	4.3380	33.67	9.99	43.66	46.00	-2.34	AVG	
7		7.2330	38.80	10.13	48.93	60.00	-11.07	QP	
8		7.2330	34.68	10.13	44.81	50.00	-5.19	AVG	
9		9.3210	38.98	10.19	49.17	60.00	-10.83	peak	

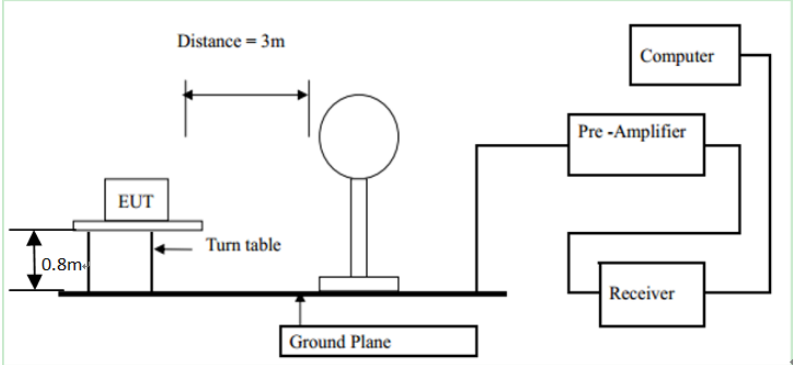
*:Maximum data x:Over limit !:over margin

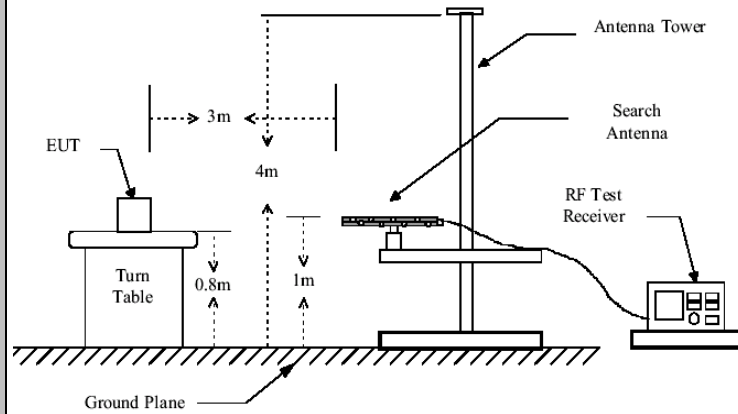
(Reference Only)

Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

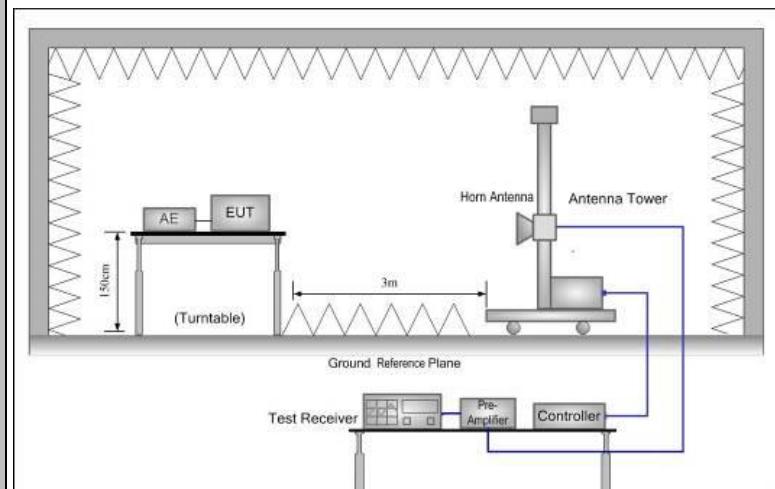
3.2. Radiated Spurious Emission Measurement

3.2.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.209			
Test Method:	ANSI C63.10: 2013			
Frequency Range:	9 kHz to 25 GHz			
Measurement Distance:	3 m			
Antenna Polarization:	Horizontal & Vertical			
Operation mode:	Refer to item 4.1			
Receiver Setup:	Frequency	Detector	RBW	VBW
	9kHz- 150kHz	Quasi-peak	200Hz	1kHz
	150kHz- 30MHz	Quasi-peak	9kHz	30kHz
	30MHz-1GHz	Quasi-peak	100KHz	300KHz
	Above 1GHz	Peak	1MHz	3MHz
Limit:	Remark			
	Quasi-peak Value			
	Quasi-peak Value			
	Quasi-peak Value			
	Peak Value			
	Average Value			
	Frequency	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	30	30	
Test setup:	30-88	100	3	
	88-216	150	3	
	216-960	200	3	
	Above 960	500	3	
	Frequency	Field Strength (microvolts/meter)	Measurement Distance (meters)	Detector
	Above 1GHz	500	3	Average
		5000	3	Peak
Test setup:	For radiated emissions below 30MHz			
	 Distance = 3m 0.8m EUT Turn table Ground Plane Computer Pre -Amplifier Receiver			
	30MHz to 1GHz			



Above 1GHz

**Test Procedure:****1. For the radiated emission test below 1GHz:**

The EUT was placed on a turntable with 0.8 meter above ground. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high PASS filter are used for the test in order to get better signal level.

For the radiated emission test above 1GHz:

Place the measurement antenna on a turntable with 1.5 meter above ground, which is away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

2. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
3. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported.

	Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported. 4. Use the following spectrum analyzer settings: (1) Span shall wide enough to fully capture the emission being measured; (2) Set RBW=100 kHz for $f < 1$ GHz; VBW $\geq$ RBW; Sweep = auto; Detector function = peak; Trace = max hold; (3) Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW $\geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Test mode:	Refer to section 4.1 for details
Test results:	PASS

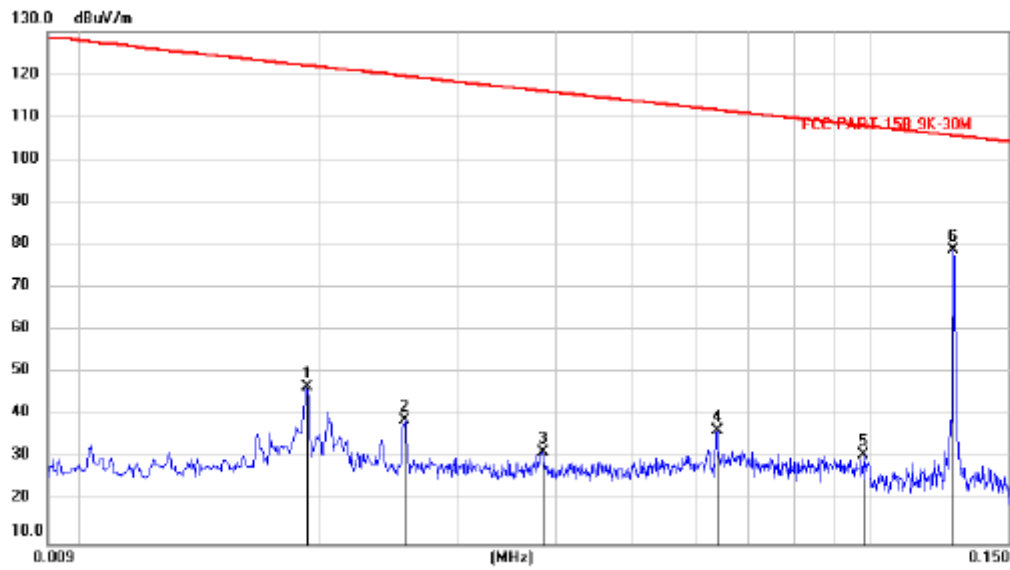
3.2.2. Test Data

Please refer to following diagram for individual

Frequency Range	: 9KHz~30MHz
Test Mode	: TX: 128kHz, 160kHz, 325kHz
Test Results	: PASS
Note:	1. The test results are listed in next pages. 2. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the quasi-peak detector need not be carried out.

TX: 128kHz:

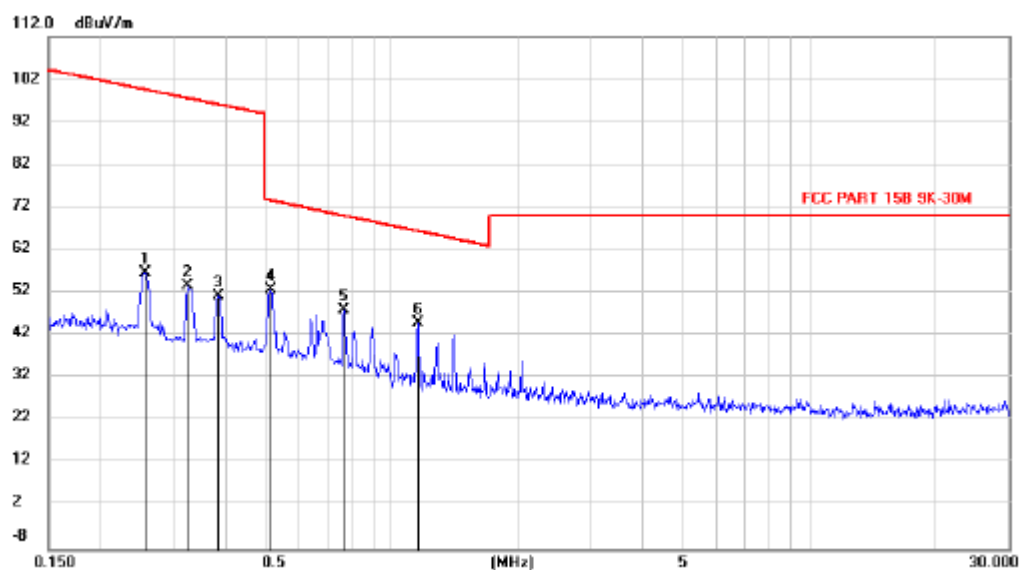
Polarity: X axis



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		0.0190	25.38	21.27	46.65	122.1	-75.49	peak		
2		0.0256	17.87	21.11	38.98	119.5	-80.58	peak		
3		0.0383	10.80	20.54	31.34	116.0	-84.73	peak		
4		0.0638	16.53	20.11	36.64	111.6	-75.01	peak		
5		0.0983	10.98	19.82	30.80	107.9	-77.11	peak		
6	*	0.1276	58.92	19.88	78.80	105.6	-26.85	peak		

Note: 1. *:Maximum data; x:Over limit; !:over margin.

2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.



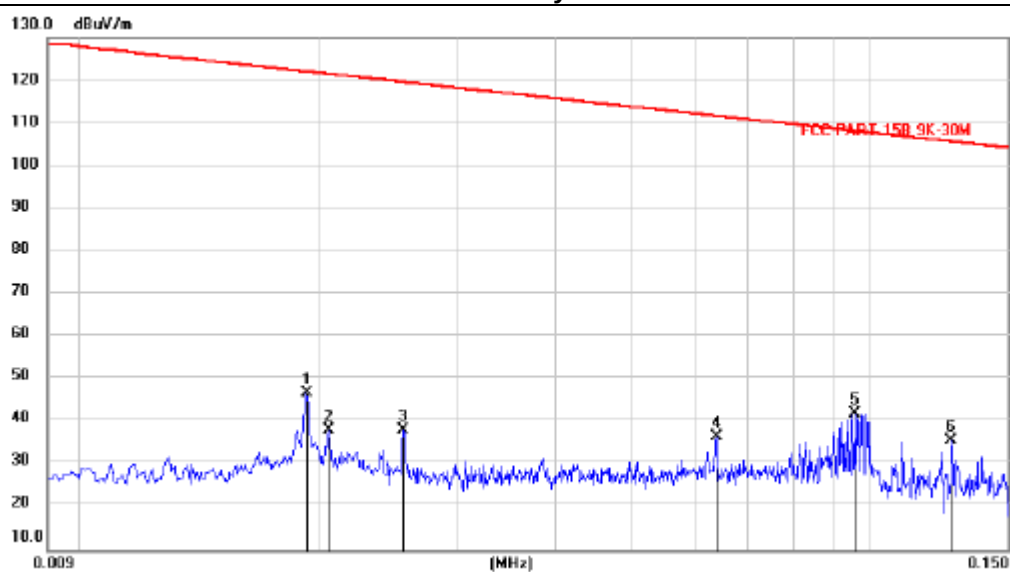
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		0.2549	36.55	20.05	56.60	99.66	-43.06	peak		
2		0.3231	33.75	19.95	53.70	97.61	-43.91	peak		
3		0.3840	31.53	19.87	51.40	96.11	-44.71	peak		
4	*	0.5110	33.10	19.71	52.81	73.63	-20.82	peak		
5		0.7661	28.06	19.86	47.92	70.06	-22.14	peak		
6		1.1503	24.87	20.04	44.91	66.47	-21.56	peak		

Note:1. *:Maximum data; x:Over limit; !:over margin.

2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

TX:160KHz:

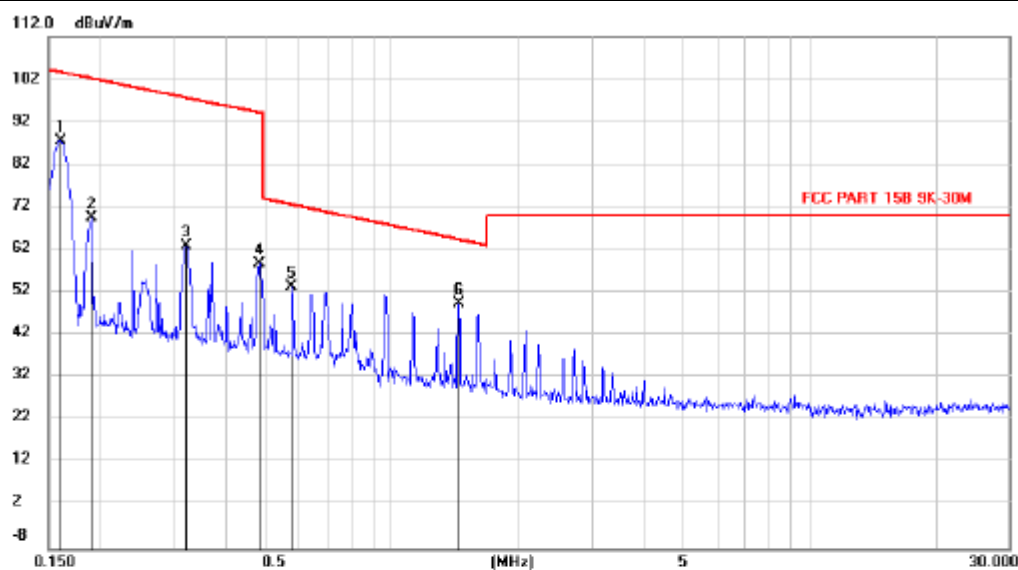
Polarity: X axis



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		0.0191	25.38	21.27	46.65	122.0	-75.44	peak		
2		0.0205	16.77	21.23	38.00	121.4	-83.48	peak		
3		0.0255	16.80	21.11	37.91	119.5	-81.68	peak		
4		0.0638	16.44	20.11	36.55	111.6	-75.10	peak		
5	*	0.0961	22.12	19.84	41.96	108.1	-66.14	peak		
6		0.1272	15.90	19.87	35.77	105.6	-69.91	peak		

Note:1. *:Maximum data; x:Over limit; !:over margin.

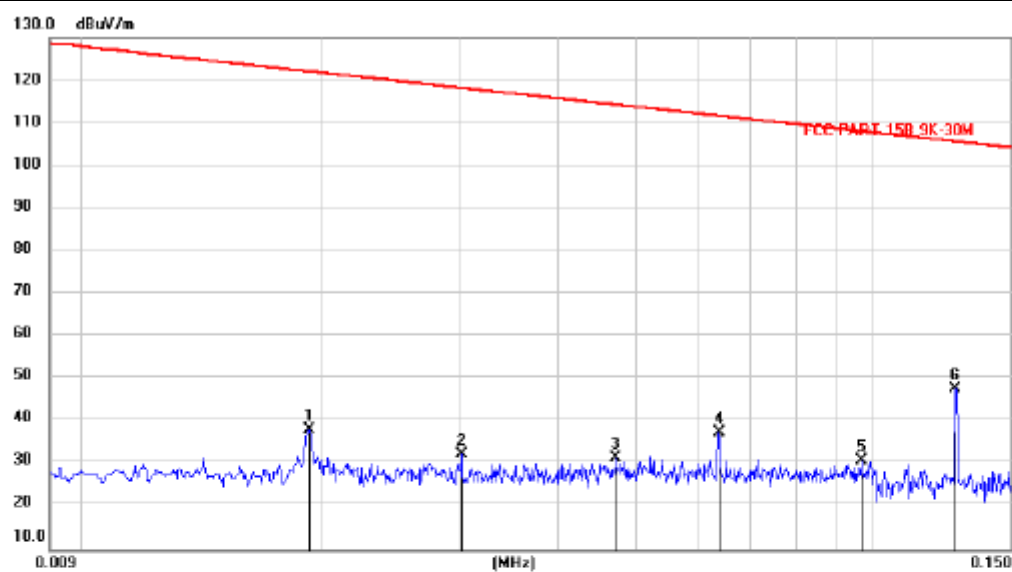
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		0.1601	67.39	20.19	87.58	103.6	-16.10	peak		
2		0.1901	49.35	20.14	69.49	102.2	-32.71	peak		
3		0.3206	42.92	19.96	62.88	97.67	-34.79	peak		
4		0.4811	39.09	19.73	58.82	94.16	-35.34	peak		
5		0.5737	33.51	19.74	53.25	72.61	-19.36	peak		
6	*	1.4423	29.28	20.11	49.39	64.48	-15.09	peak		

Note:1. *:Maximum data; x:Over limit; !:over margin.

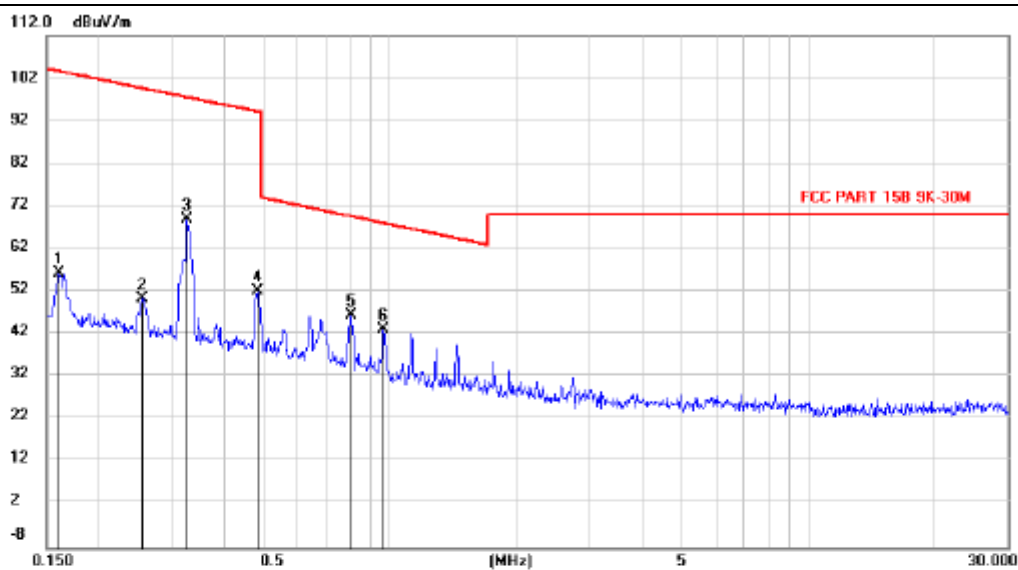
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

TX:325KHz:**Polarity: X axis**

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		0.0191	16.73	21.27	38.00	122.0	-84.09	peak		
2		0.0301	11.37	20.98	32.35	118.1	-85.80	peak		
3		0.0472	11.29	20.05	31.34	114.2	-82.92	peak		
4		0.0638	17.36	20.11	37.47	111.6	-74.18	peak		
5		0.0970	10.95	19.83	30.78	108.0	-77.24	peak		
6	*	0.1276	27.80	19.88	47.68	105.6	-57.97	peak		

Note: 1. *:Maximum data; x:Over limit; !:over margin.

2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		0.1603	36.04	20.19	56.23	103.6	-47.44	peak		
2		0.2546	30.38	20.05	50.43	99.67	-49.24	peak		
3		0.3258	49.01	19.95	68.96	97.53	-28.57	peak		
4		0.4796	32.40	19.73	52.13	94.19	-42.06	peak		
5	*	0.8006	26.43	19.88	46.31	69.67	-23.36	peak		
6		0.9592	23.22	19.98	43.20	68.07	-24.87	peak		

Note: 1. *: Maximum data; x: Over limit; !: over margin.

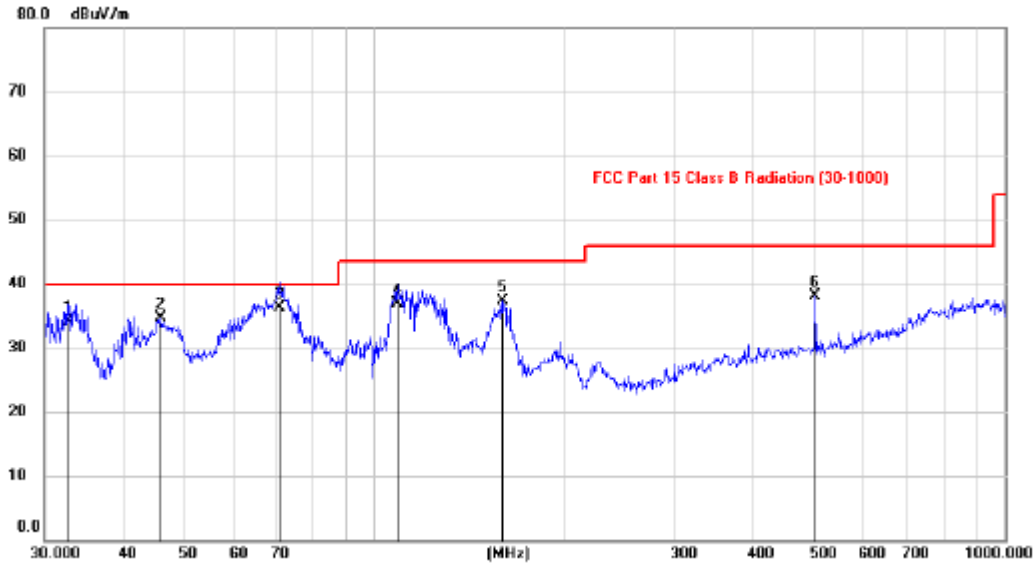
2. Measurement = Reading Level + Correct Factor; Correct Factor = Antenna Factor + Cable Loss.

Frequency Range	: 30MHz~1000MHz
Test Mode	: 128KHz, 160KHz, 325KHz
Test Results	: PASS
Note:	1. The test results are listed in next pages. 2. All test modes has been tested, this report only reflected the worst mode. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the quasi-peak detector need not be carried out.

Frequency Range		:	Above 1GHz			
EUT		:	/	Test Date	:	/
M/N		:	/	Temperature	:	/
Test Engineer		:	/	Humidity	:	/
Test Mode		:	/			
Test Results		:	N/A			
Note:	1. The highest frequency of the internal sources of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz. So the frequency rang above 1GHz radiation test not applicable.					

30MHz-1GHz

EUT Description	3 in 1 Foldable Wireless Charger	Model No.	GRFWC1008
Temperature	24°C	Humidity	56%
Test Voltage	AC 120V/60Hz		
Pol	Vertical		



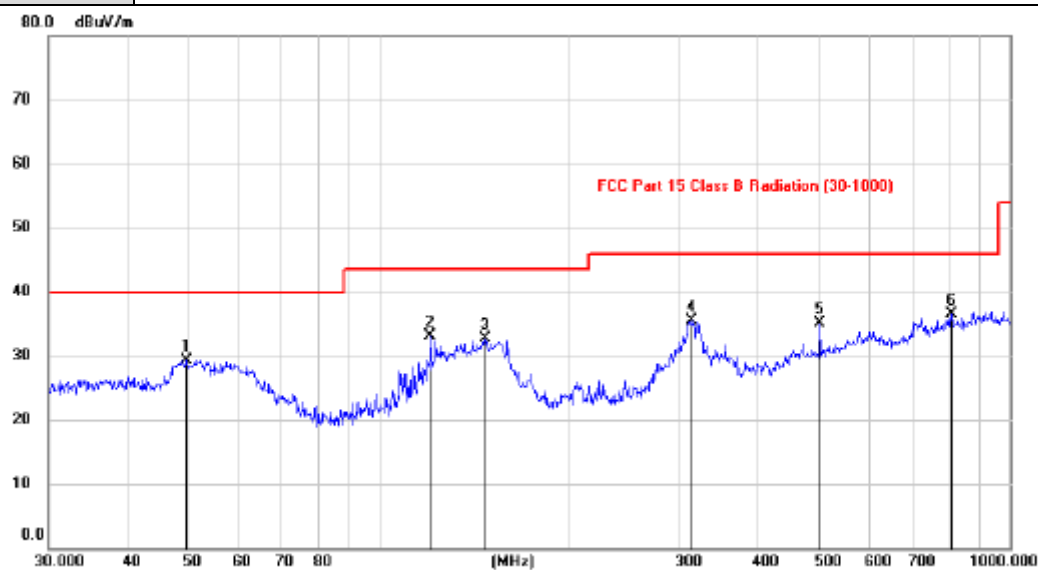
No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	32.8290	20.41	13.65	34.06	40.00	-5.94	QP		
2	45.8123	20.59	14.11	34.70	40.00	-5.30	peak		
3 *	70.7239	25.05	11.20	36.25	40.00	-3.75	QP		
4	109.0159	25.16	11.73	36.89	43.50	-6.61	QP		
5	159.4299	22.29	15.04	37.33	43.50	-6.17	peak		
6	500.0086	19.98	18.21	38.19	46.00	-7.81	peak		

Note: 1. *:Maximum data; x:Over limit; !:over margin.

2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

Pol

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		49.7008	15.32	14.04	29.36	40.00	-10.64	peak		
2		120.8824	20.04	13.09	33.13	43.50	-10.37	peak		
3		147.8177	17.81	14.90	32.71	43.50	-10.79	peak		
4		314.2662	20.99	14.46	35.45	46.00	-10.55	peak		
5		500.0086	16.93	18.21	35.14	46.00	-10.86	peak		
6	*	809.1295	13.44	23.05	36.49	46.00	-9.51	peak		

Note: 1. *: Maximum data; x: Over limit; !: over margin.

2. Measurement = Reading Level + Correct Factor; Correct Factor = Antenna Factor + Cable Loss.

3.3. Test Specification

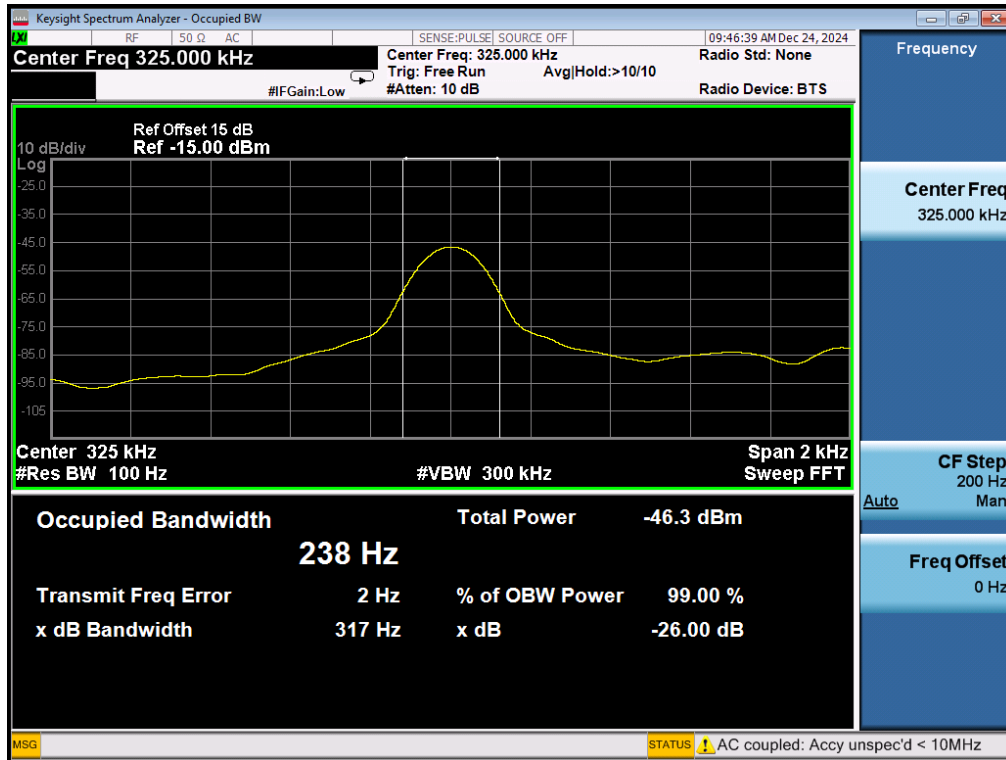
Test Requirement:	FCC Part15 C Section 15.215(c)
Test Method:	ANSI C63.10: 2013
Limit:	N/A
Test Procedure:	1. According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT. 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Use the following spectrum analyzer settings for 20dB Bandwidth measurement. Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel; RBW$\geq$1% of the 20 dB bandwidth; VBW$\geq$RBW; Sweep = auto; Detector function = peak; Trace = max hold. 4. Measure and record the results in the test report.
Test setup:	 The diagram illustrates the test setup. On the left is a green rectangular box representing the Spectrum Analyzer. A cable connects it to a yellow rectangular box on the right, which is labeled 'EUT'. A small white square is located on the cable between the two devices.
Test Mode:	Refer to section 4.1 for details
Test results:	PASS

3.3.1. Test data

For Watch:

Frequency(kHz)	20dB Occupy Bandwidth (kHz)	Limit (kHz)	Conclusion
325	0.317	---	Pass

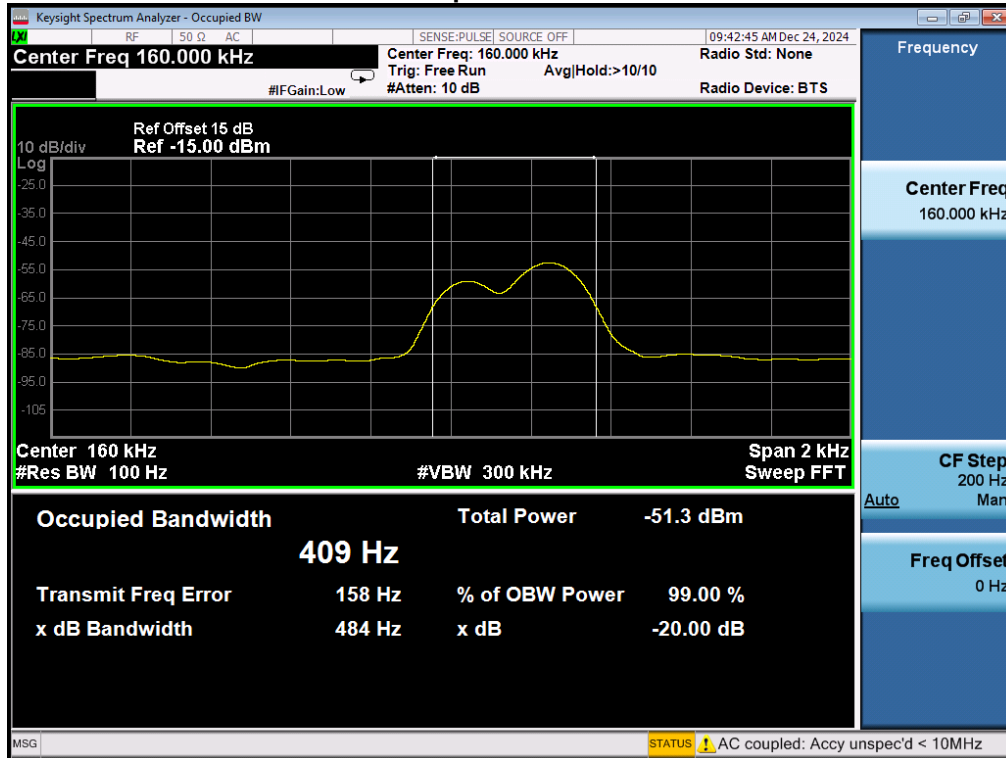
Test plots as follows:



For AirPods:

Frequency(kHz)	20dB Occupy Bandwidth (kHz)	Limit (kHz)	Conclusion
160	0.484	---	Pass

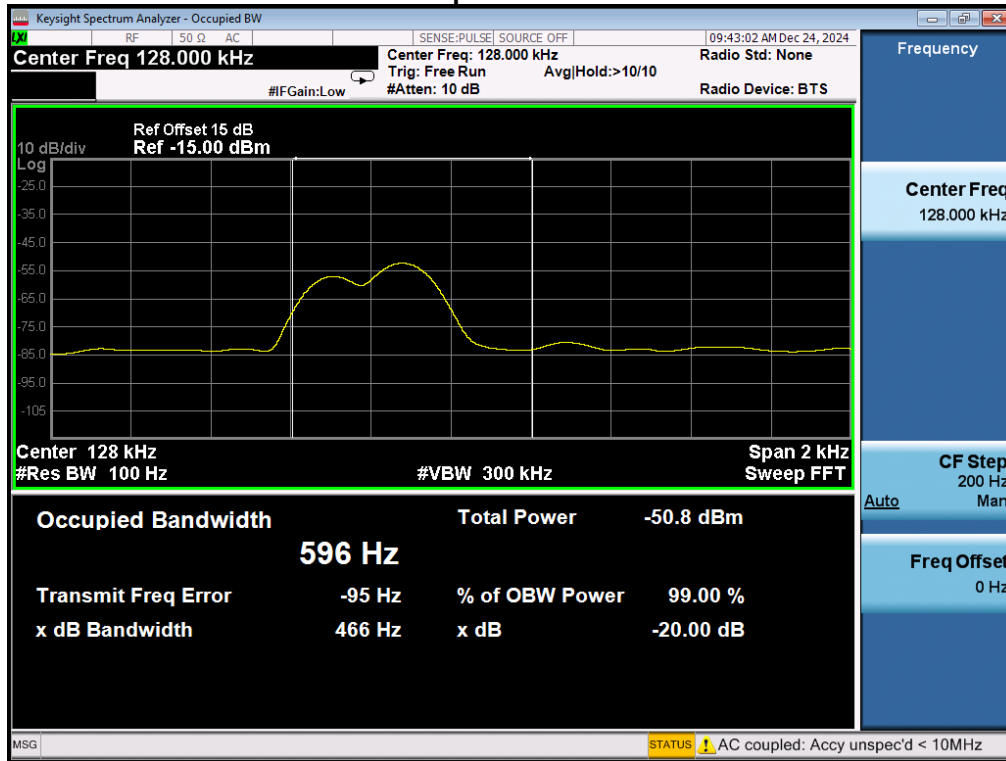
Test plots as follows:



For Phone:

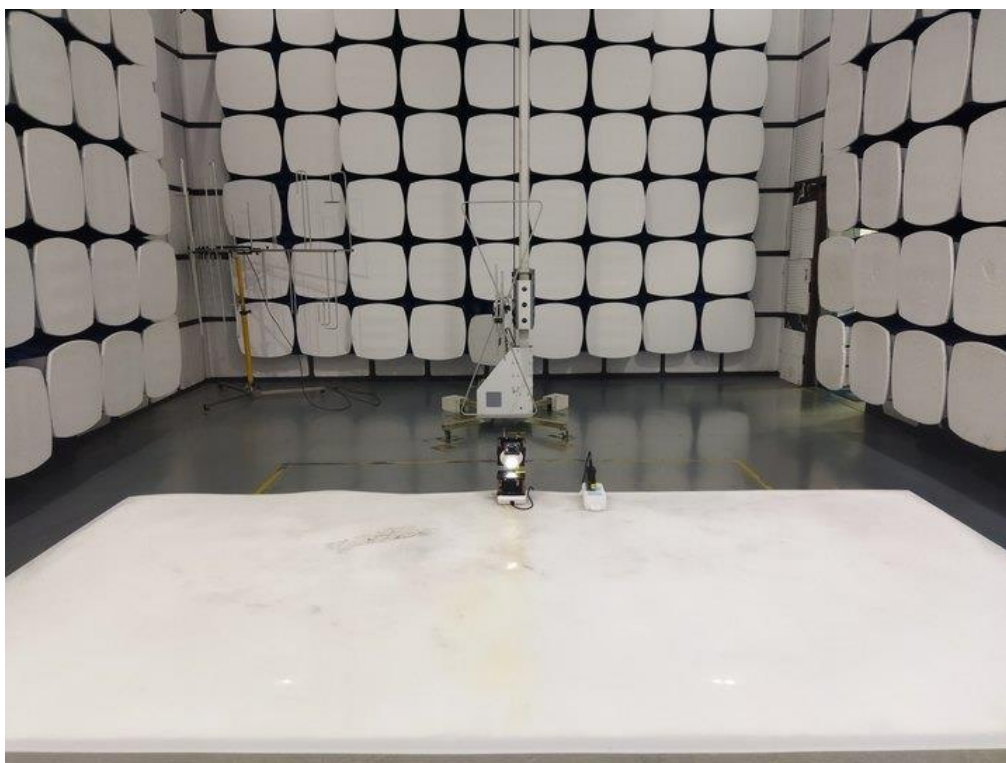
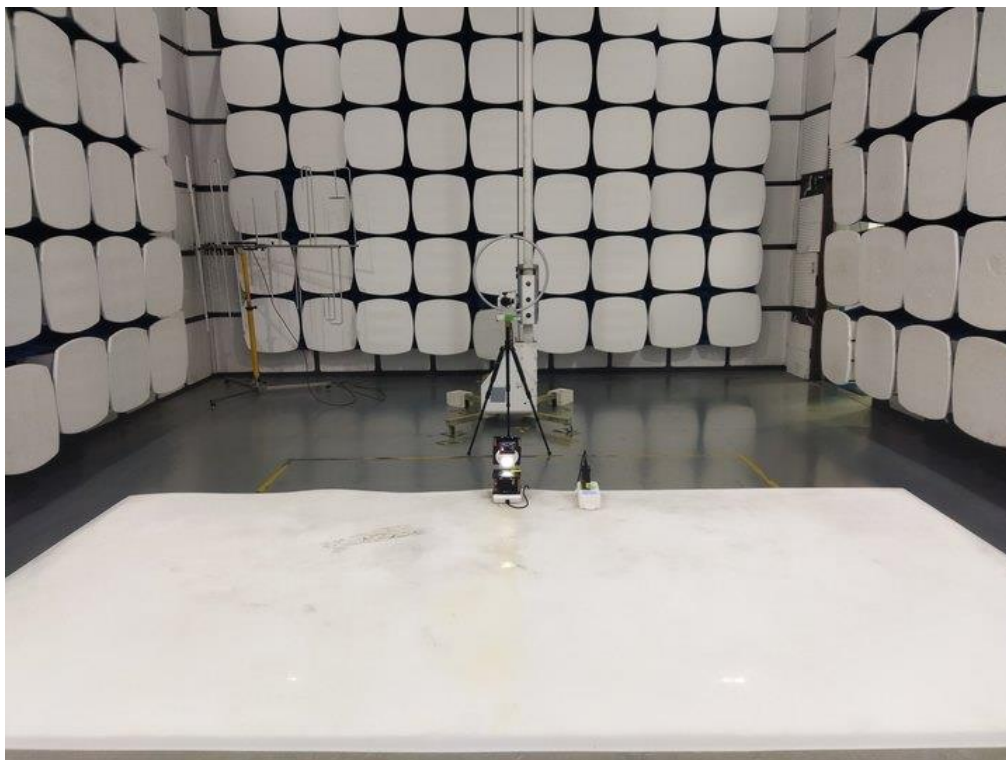
Frequency(kHz)	20dB Occupy Bandwidth (kHz)	Limit (kHz)	Conclusion
128	0.466	---	Pass

Test plots as follows:

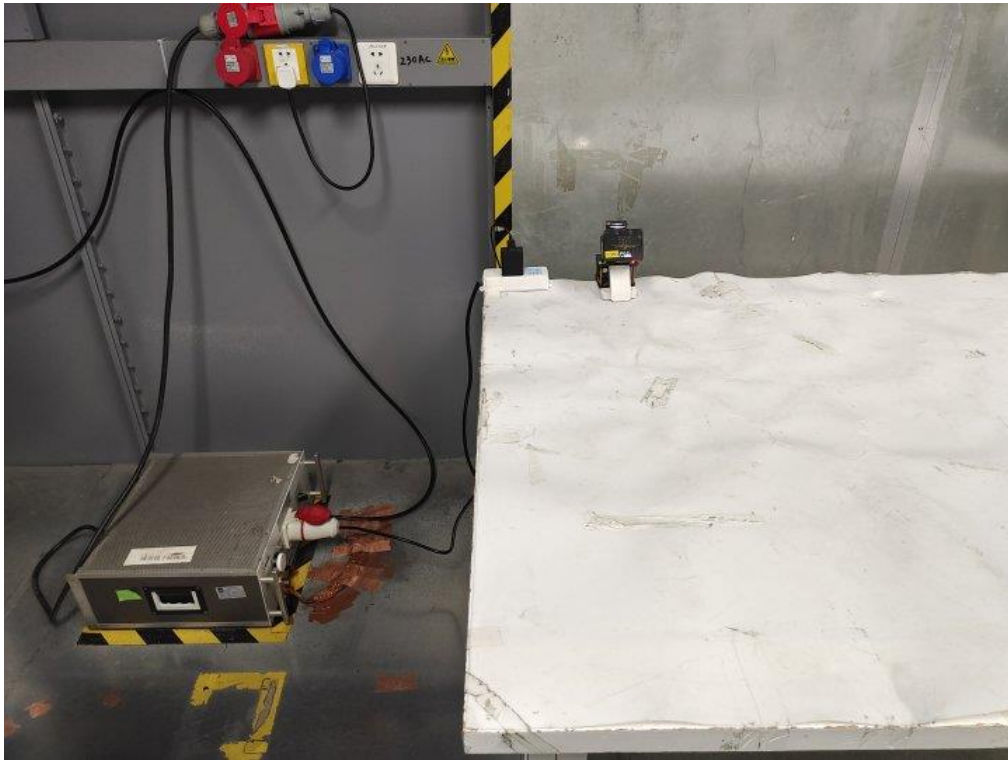


4. Photos of test setup

Radiated Emission



Conducted Emission



5. Photographs of EUT

