Test Report

Report No.:	MTi210305004-04E1
Date of issue:	Mar. 24, 2021
Applicant:	Shenzhen powerqi Technology Co., Ltd
Product name:	3 in 1 Wireless Charging Station
Model(s):	FD14
FCC ID:	2AFP2- FD14

Shenzhen Microtest Co., Ltd.
http://www.mtitest.com

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5. Any objection to this report shall be submitted to the laboratory within 15 days from the date of receipt of the report.

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TEST RESULT CERTIFICATION

Applicant's name ..... :	Shenzhen powerqi Technology Co., Ltd
Address ..... :	2nd Floor, A4 Building, Block A, Fangxing Science & Tech. Park, Longgang District, Shenzhen, China
Manufacturer's Name ..... :	Shenzhen powerqi Technology Co., Ltd
Address ..... :	2nd Floor, A4 Building, Block A, Fangxing Science & Tech. Park, Longgang District, Shenzhen, China
Product description	
Product name ..... :	3 in 1 Wireless Charging Station
Trademark ..... :	N/A
Model Name ..... :	FD14
Serial Model	N/A
Standards ..... :	FCC Part 15C
Test procedure..... :	ANSI C63.10-2013
Date of Test	
Date (s) of performance of tests..... :	10 Mar. 2021 ~ 22 Mar. 2021
Test Result..... :	Pass

This device described above has been tested by Shenzhen Microtest Co., Ltd. and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

Testing Engineer : (Danny Xu)

Technical Manager : (Leo Su)

Authorized Signatory : (Tom Xue)

1 GENERAL INFORMATION

1.1 Feature of equipment under test (EUT)

Product name:	3 in 1 Wireless Charging Station
Model name:	FD14
Model difference:	N/A
Operation frequency:	Mobile phone wireless charging: 115–205 kHz; Airpods wireless charging: 115–205 kHz; Apple Watch: 326.5 kHz;
Modulation type:	ASK
Max output power:	Airpods wireless charging: 5W; Apple Watch: 5W; Mobile phone wireless charging: 15W
Antenna type:	Coil Antenna
Power supply:	DC 12V from adapter AC 120V/60Hz
Battery:	N/A
Adapter information:	N/A
EUT serial number:	MTi210305004-04-S0001

1.2 Test mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Test mode	Description
Mode 1	Wireless charging(Airpods)
Mode 2	Wireless charging(Watch)
Mode 3	Wireless charging (mobile phone)
Mode 4	Simultaneous charging(Airpods+ Watch)
Mode 5	Simultaneous charging(Airpods+ Mobile phone)
Mode 6	Simultaneous charging (Watch+ Mobile phone)
Mode 7	Simultaneous charging. (Airpods+ Watch+ Mobile phone)

Note:

1: The test modes were carried out for all operation modes. The final test mode of the EUT was the worst test mode for EMI, and its test data was showed.

2: EUT is tested under full load.

1.3 EUT test setup

See photographs of the test setup in the report for the actual setup and connections between EUT and support equipment.

1.4 Ancillary equipment

Equipment	Model	S/N	Manufacturer
Adapter	XY-PQ018E1	/	Dongguan Xu Yuan Electronic Technology Co., Ltd
Apple watch	Apple Watch Series 6	/	Apple inc
Airpods	Apple AirPods	/	Apple inc
mobile phone	HUAWEI Mate 30	/	HUAWEI TECHNOLOGIES CO., LTD.

2 Summary of Test Result

Item	FCC Part No.	Description of Test	Result
1	FCC PART 15.203	Antenna requirement	Pass
2	FCC PART 15.207	Conducted emission	Pass
3	FCC PART 15.209	Radiated emission	Pass
4	FCC Part 15.215	20dB bandwidth	Pass

2.1 Operation channel list

	Frequency (kHz)		
Channel	Airpods	Mobile phone	Apple watch
Low	115	115	326.5
High	205	205	

2.2 Test channel

	Channel	Frequency (kHz)
Airpods	/	123
Mobile phone	/	117
Apple watch	/	326.5

3 Test Facilities and Accreditations

3.1 Test laboratory

Test Laboratory	Shenzhen Microtest Co., Ltd
Location	101, No. 7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao' an District, Shenzhen, Guangdong, China.
FCC Registration No.:	448573

3.2 Environmental conditions

Temperature:	15ºC~35ºC
Humidity	20%~75%
Atmospheric pressure	98kPa~101kPa

3.3 Measurement uncertainty

Measurement Uncertainty for a Level of Confidence of 95 %, U=2xUc(y)

RF frequency	1 x 10-7
RF power, conducted	± 1 dB
Conducted emission(150kHz~30MHz)	± 2.5 dB
Radiated emission(30MHz~1GHz)	± 4.2 dB
Radiated emission (above 1GHz)	± 4.3 dB
Temperature	±1 degree
Humidity	± 5 %

4 List of test equipment

Equipment No.	Equipment Name	Manufacturer	Model	Serial No.	Calibration date	Due date
MTI-E043	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2020/06/04	2021/06/03
MTI-E044	TRILOG Broadband Antenna	schwarabeck	VULB 9163	9163-1338	2020/06/05	2021/06/04
MTI-E047	Amplifier	Hewlett-Packard	8447F	3113A06150	2020/06/04	2021/06/03
MTI-E089	ESG Vector Signal Generator	Agilent	N5182A	MY49060455	2020/06/03	2021/06/02
MTI-E058	ESG Series Analog Ssignal Generator	Agilent	E4421B	GB40051240	2020/07/03	2021/07/04
MTI-E062	PXA Signal Analyzer	Agilent	N9030A	MY51350296	2020/06/04	2021/06/03
MTI-E066	MXA Signal Analyzer	Agilent	N9020A	MY50143483	2020/06/04	2021/06/03
MTI-E078	Synthesized Sweeper	Agilent	83752A	3610A01957	2020/06/04	2021/06/03
MTI-E079	DC Power Supply	Agilent	E3632A	MY40027695	2020/06/04	2021/06/03
MTI-E021	EMI Test Receiver	Rohde&schwarz	ESCS30	100210	2020/06/04	2021/06/03
MTI-E022	Pulse Limiter	Schwarzbeck	VSTD 9561-F	00679	2020/06/03	2021/06/02
MTI-E023	Artificial mains network	Schwarzbeck	NSLK 8127	NSLK 8127 #841	2020/06/04	2021/06/03
MTI-E046	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00044	2020/06/05	2021/06/04
MTI-E048	Amplifier	Agilent	8449B	3008A02400	2020/07/03	2021/07/04
MTI-E072	Thermometer Clock Humidity Monitor	-	HTC-1	/	2020/06/07	2021/06/06
MTI-E090	Test Loop Antenna	DATETEK	LA-001	771409634	2020/06/05	2021/06/04

Note: the calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

5 Test Results

5.1 Antenna requirement

5.1.1 Standard requirement

15.203 requirement: For intentional device, according to 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

5.1.2 EUT Antenna

The EUT antenna is Coil Antenna. It comply with the standard requirement. In case of replacement of broken antenna the same antenna type must be used.

5.2 Conducted emission

5.2.1 Limits

For the following equipment, when designed to be connected to the public utility (AC) power line the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies shall not exceed the limits in the following tables. Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal using a 50 μH/50 ohms line impedance stabilization network (LISN).

Frequency (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.5 -5	56	46
5 -30	60	50

Note:
the limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

5.2.2 Test Procedures

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.

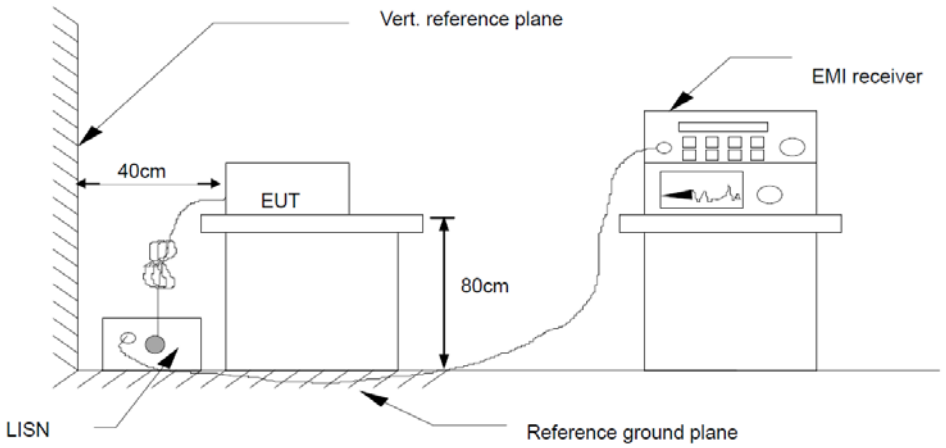
Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

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.

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

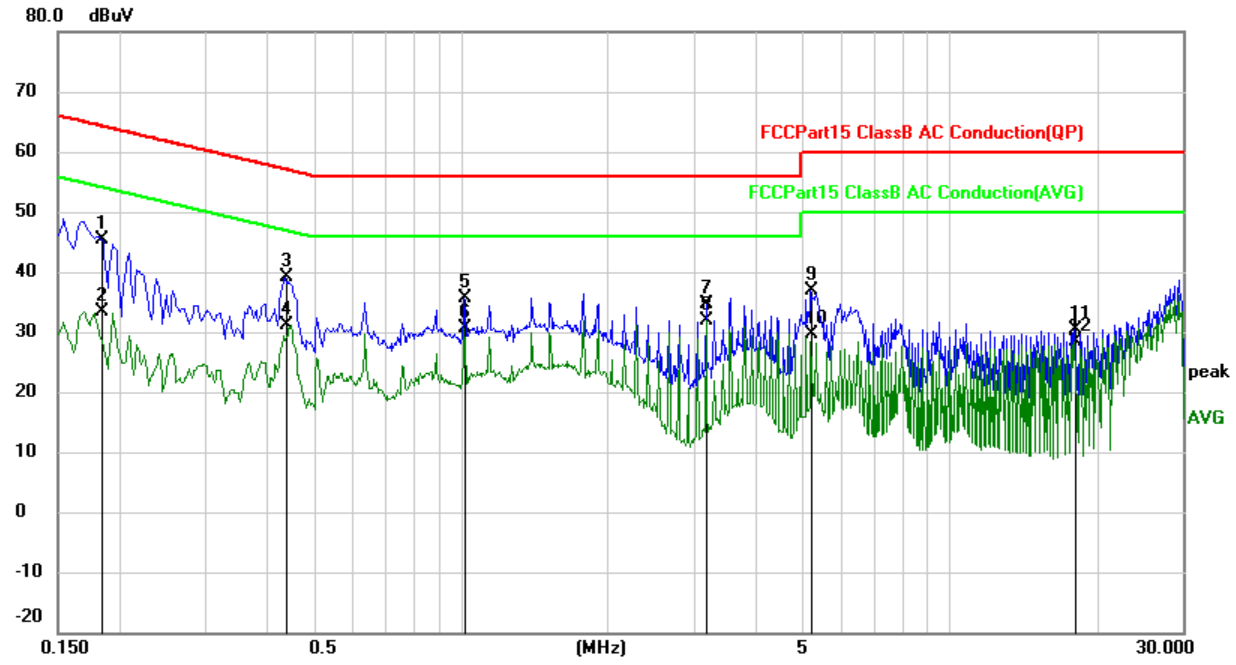
For the actual test configuration, please refer to the related Item – photographs of the test setup.

5.2.3 Test Setup



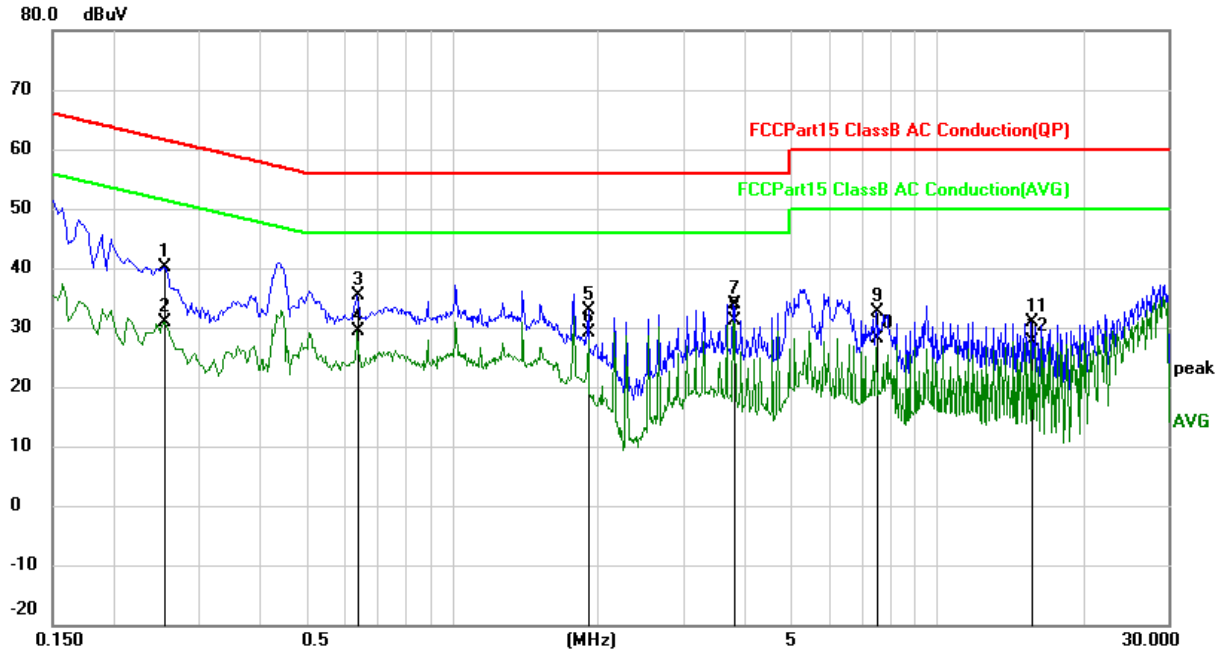
5.2.4 Test Result

EUT:	3 in 1 Wireless Charging Station	Model Name:	FD14
Pressure:	101kPa	Phase:	L
Test voltage:	DC 12V from adapter AC 120V/60Hz	Test mode:	Mode 7



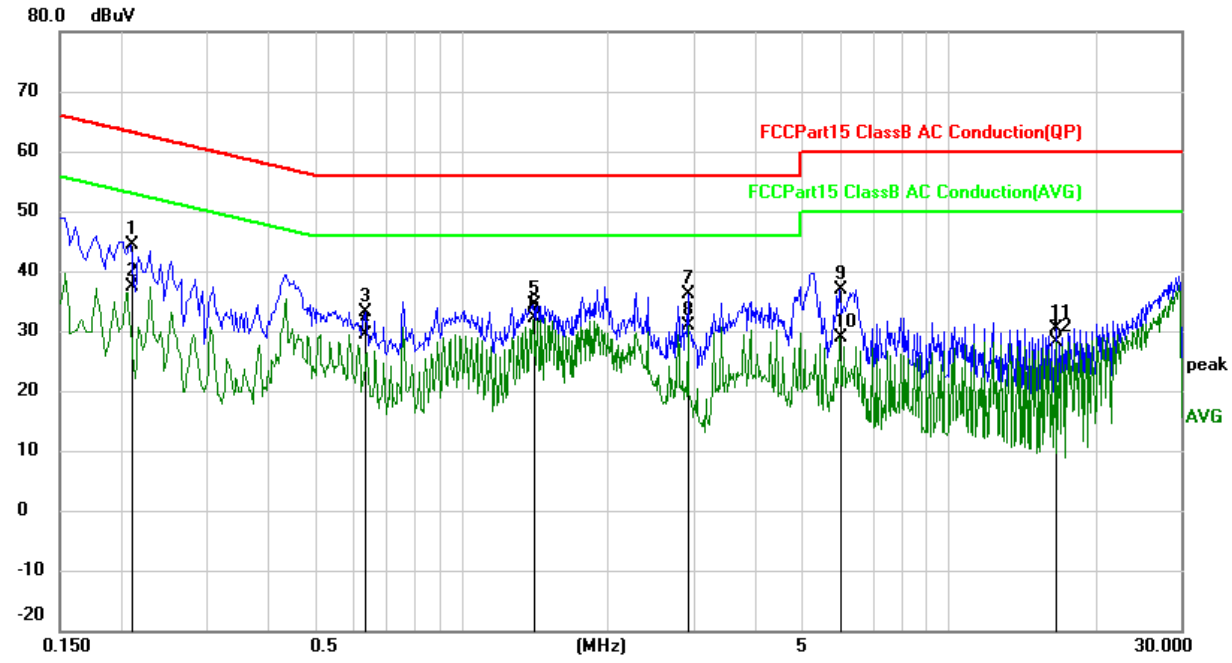
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1835	34.49	10.98	45.47	64.33	-18.86	QP
2		0.1835	22.30	10.98	33.28	54.33	-21.05	AVG
3		0.4380	28.22	11.02	39.24	57.10	-17.86	QP
4		0.4380	20.04	11.02	31.06	47.10	-16.04	AVG
5		1.0180	24.32	11.28	35.60	56.00	-20.40	QP
6		1.0180	19.33	11.28	30.61	46.00	-15.39	AVG
7		3.1820	23.14	11.39	34.53	56.00	-21.47	QP
8	*	3.1820	20.43	11.39	31.82	46.00	-14.18	AVG
9		5.2180	25.40	11.51	36.91	60.00	-23.09	QP
10		5.2180	18.15	11.51	29.66	50.00	-20.34	AVG
11		17.9460	18.68	11.80	30.48	60.00	-29.52	QP
12		17.9460	16.48	11.80	28.28	50.00	-21.72	AVG

EUT:	3 in 1 Wireless Charging Station	Model Name:	FD14
Pressure:	101kPa	Phase:	N
Test voltage:	DC 12V from adapter AC 120V/60Hz	Test mode:	Mode 7



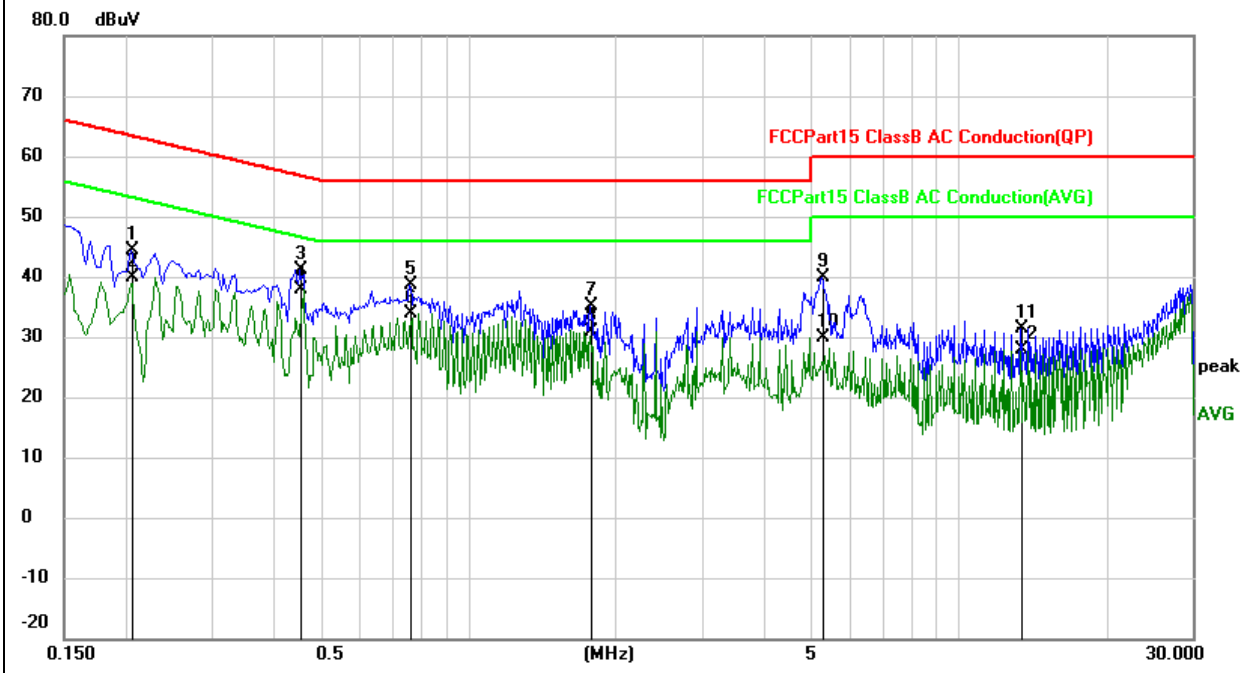
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.2540	29.25	10.93	40.18	61.63	-21.45	QP
2		0.2540	20.04	10.93	30.97	51.63	-20.66	AVG
3		0.6380	24.45	11.03	35.48	56.00	-20.52	QP
4		0.6380	18.37	11.03	29.40	46.00	-16.60	AVG
5		1.9100	21.41	11.37	32.78	56.00	-23.22	QP
6		1.9100	17.69	11.37	29.06	46.00	-16.94	AVG
7		3.8180	22.53	11.38	33.91	56.00	-22.09	QP
8	*	3.8180	19.66	11.38	31.04	46.00	-14.96	AVG
9		7.5100	21.16	11.43	32.59	60.00	-27.41	QP
10		7.5100	16.77	11.43	28.20	50.00	-21.80	AVG
11		15.6580	19.25	11.69	30.94	60.00	-29.06	QP
12		15.6580	15.85	11.69	27.54	50.00	-22.46	AVG

EUT:	3 in 1 Wireless Charging Station	Model Name:	FD14
Pressure:	101kPa	Phase:	L
Test voltage:	DC 12V from adapter AC 240V/60Hz	Test mode:	Mode 7



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.2100	33.43	10.97	44.40	63.21	-18.81	QP
2		0.2100	26.52	10.97	37.49	53.21	-15.72	AVG
3		0.6340	22.11	11.10	33.21	56.00	-22.79	QP
4		0.6340	18.36	11.10	29.46	46.00	-16.54	AVG
5		1.4100	23.02	11.33	34.35	56.00	-21.65	QP
6	*	1.4100	20.90	11.33	32.23	46.00	-13.77	AVG
7		2.9219	24.82	11.38	36.20	56.00	-19.80	QP
8		2.9219	19.51	11.38	30.89	46.00	-15.11	AVG
9		5.9699	25.41	11.56	36.97	60.00	-23.03	QP
10		5.9699	17.28	11.56	28.84	50.00	-21.16	AVG
11		16.6420	18.66	11.77	30.43	60.00	-29.57	QP
12		16.6420	16.44	11.77	28.21	50.00	-21.79	AVG

EUT:	3 in 1 Wireless Charging Station	Model Name:	FD14
Pressure:	101kPa	Phase:	N
Test voltage:	DC 12V from adapter AC 240V/60Hz	Test mode:	Mode 7



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.2060	33.35	10.97	44.32	63.37	-19.05	QP
2		0.2060	28.99	10.97	39.96	53.37	-13.41	AVG
3		0.4540	30.10	11.04	41.14	56.80	-15.66	QP
4	*	0.4540	26.83	11.04	37.87	46.80	-8.93	AVG
5		0.7620	27.57	11.14	38.71	56.00	-17.29	QP
6		0.7620	22.65	11.14	33.79	46.00	-12.21	AVG
7		1.7780	23.69	11.37	35.06	56.00	-20.94	QP
8		1.7780	19.54	11.37	30.91	46.00	-15.09	AVG
9		5.2740	28.39	11.50	39.89	60.00	-20.11	QP
10		5.2740	18.33	11.50	29.83	50.00	-20.17	AVG
11		13.3420	19.79	11.66	31.45	60.00	-28.55	QP
12		13.3420	16.23	11.66	27.89	50.00	-22.11	AVG

5.3 Radiated emission

5.3.1 Limits

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Class B (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

The limit for radiated test was performed according to FCC PART 15C.

The tighter limit applies at the band edges.

Emission level (dBuV/m)=20log Emission level (uV/m).

FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

5.3.2 Test Procedures

a. The measuring distance of at 3 m shall be used for measurements at frequency up to 25GHz. For frequencies above 1GHz, any suitable measuring distance may be used.

b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-chamber test. The table was rotated 360 degrees to determine the position of the highest radiation.

c. The height of the equipment or of the substitution antenna shall be 0.8m; above 1GHz, the height was 1.5m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.

f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

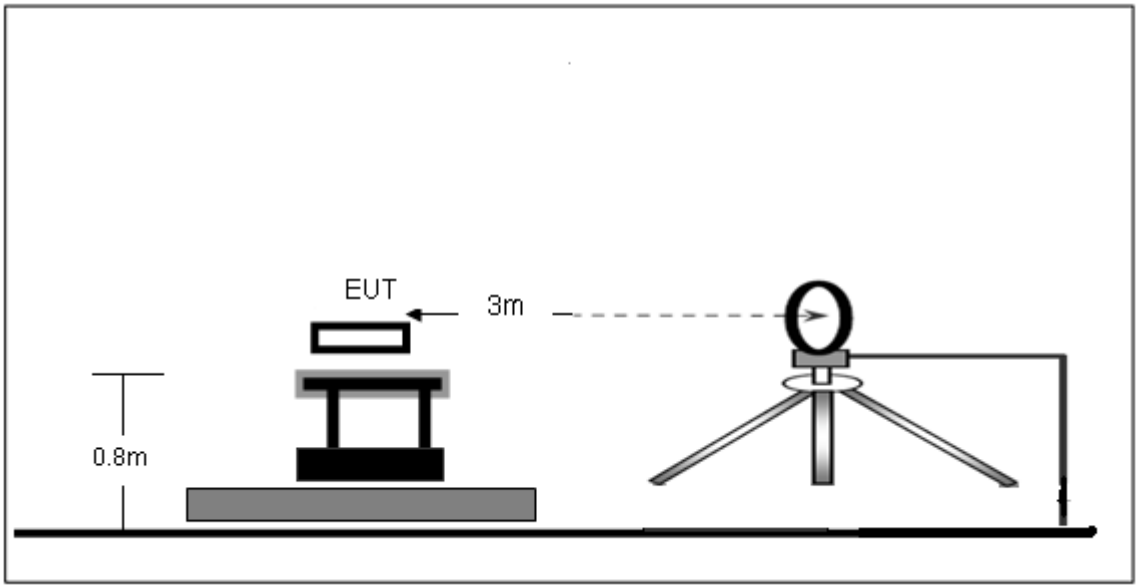
g. For the radiated emission test above 1GHz:
Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response.

h. 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.

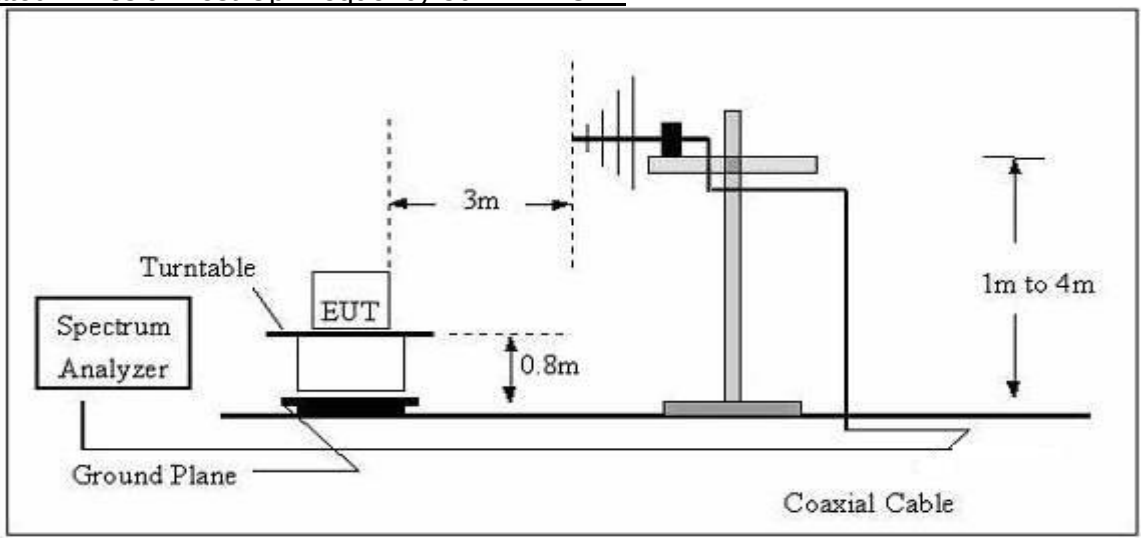
Note: Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

5.3.3 Test Setup

Radiated Emission Test-Up Frequency Below 30MHz



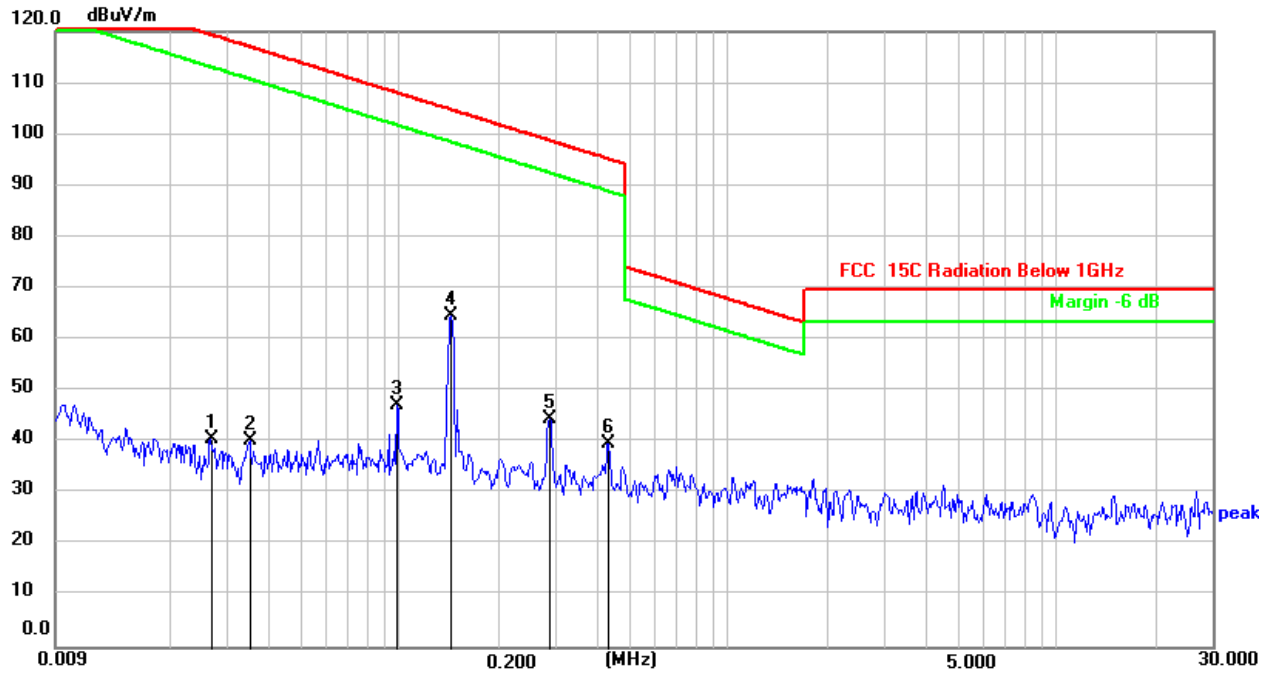
Radiated Emission Test-Up Frequency 30MHz~1GHz



5.3.4 Test Result

Frequency range (9kHz – 30MHz)

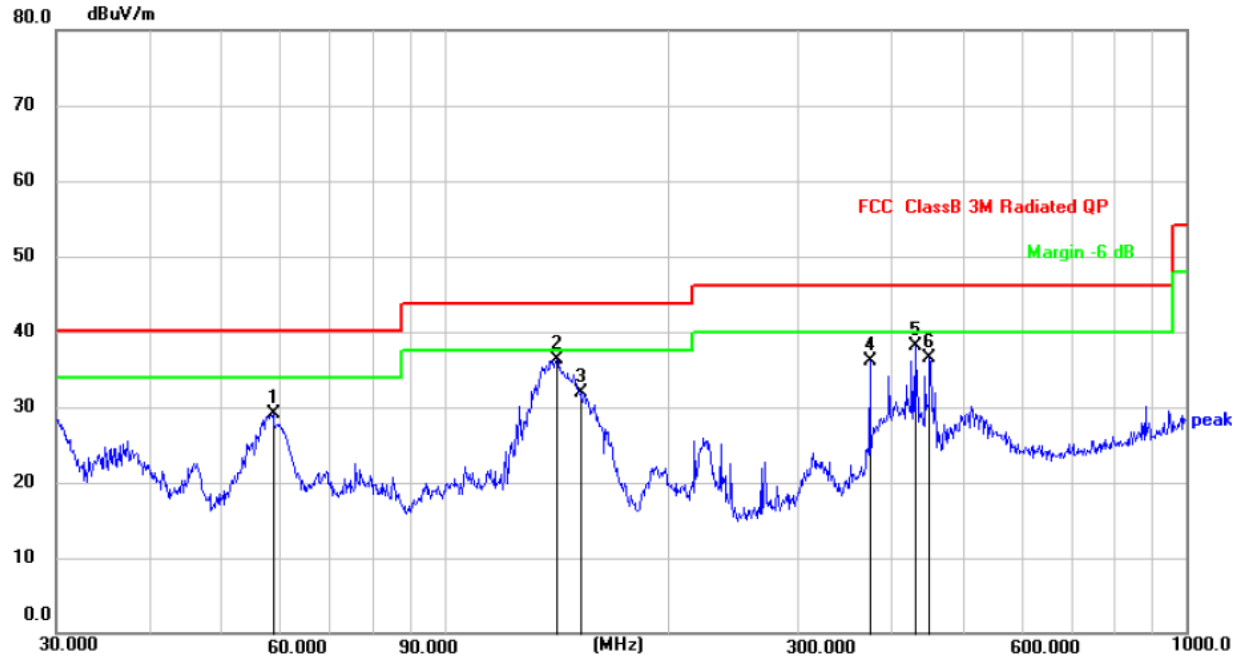
EUT:	3 in 1 Wireless Charging Station	Model Name:	FD14
Pressure:	101kPa	Test mode:	Mode 7
Test voltage:	DC 12V from adapter AC 120V/60Hz		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0267	18.53	22.12	40.65	119.07	-78.42	QP
2	0.0352	18.15	22.18	40.33	116.67	-76.34	QP
3	0.0985	24.94	22.32	47.26	107.74	-60.48	QP
4 *	0.1442	42.72	21.84	64.56	104.42	-39.86	QP
5	0.2874	22.67	21.91	44.58	98.43	-53.85	QP
6	0.4312	18.05	21.74	39.79	94.91	-55.12	QP

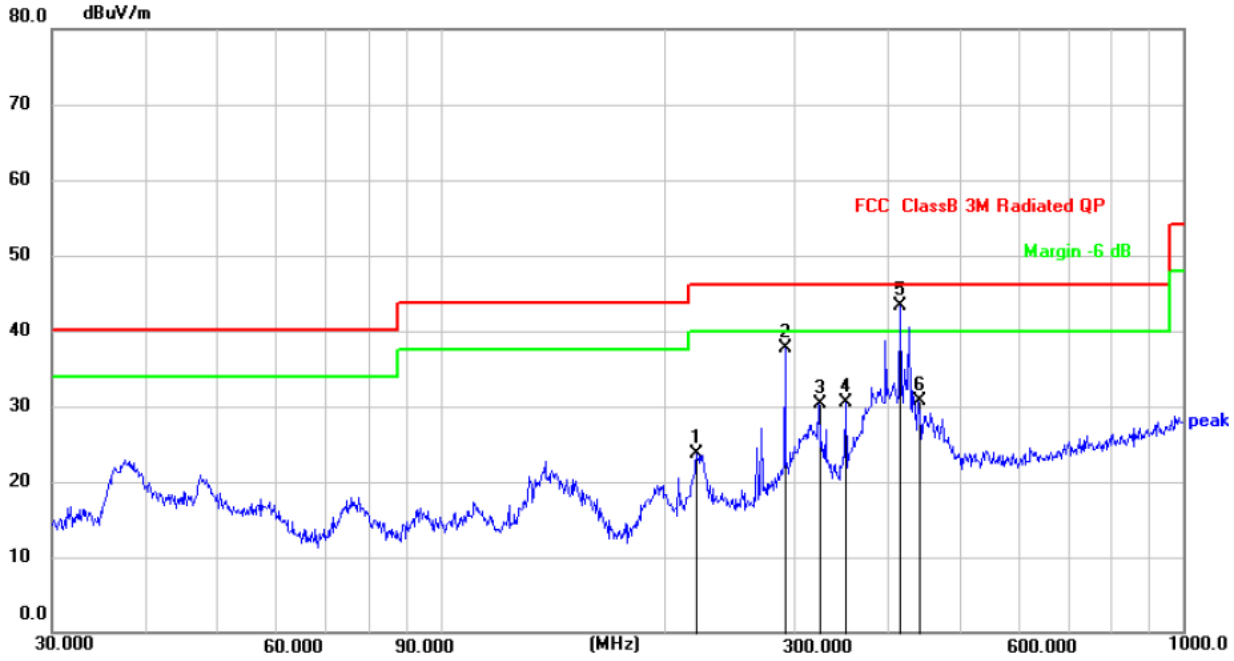
Frequency range (30MHz – 1GHz)

EUT:	3 in 1 Wireless Charging Station	Model Name:	FD14
Pressure:	101kPa	Polarization:	Vertical
Test voltage:	DC 12V from adapter AC 120V/60Hz	Test mode:	Mode 7



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	58.8185	41.60	-12.58	29.02	40.00	-10.98	QP
2 *	141.8262	51.58	-15.30	36.28	43.50	-7.22	QP
3	152.6641	46.98	-15.15	31.83	43.50	-11.67	QP
4	374.6225	44.00	-7.99	36.01	46.00	-9.99	QP
5	431.0316	44.89	-6.72	38.17	46.00	-7.83	QP
6	451.1350	42.89	-6.29	36.60	46.00	-9.40	QP

EUT:	3 in 1 Wireless Charging Station	Model Name:	FD14
Pressure:	101kPa	Polarization:	Horizontal
Test voltage:	DC 12V from adapter AC 120V/60Hz	Test mode:	Mode 7



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	221.3921	34.54	-10.81	23.73	46.00	-22.27	QP
2	291.0360	46.61	-8.88	37.73	46.00	-8.27	QP
3	323.3204	38.93	-8.65	30.28	46.00	-15.72	QP
4	351.7079	39.09	-8.54	30.55	46.00	-15.45	QP
5 *	416.1791	50.36	-7.03	43.33	46.00	-2.67	QP
6	440.1963	37.14	-6.52	30.62	46.00	-15.38	QP

5.4 Occupied bandwidth

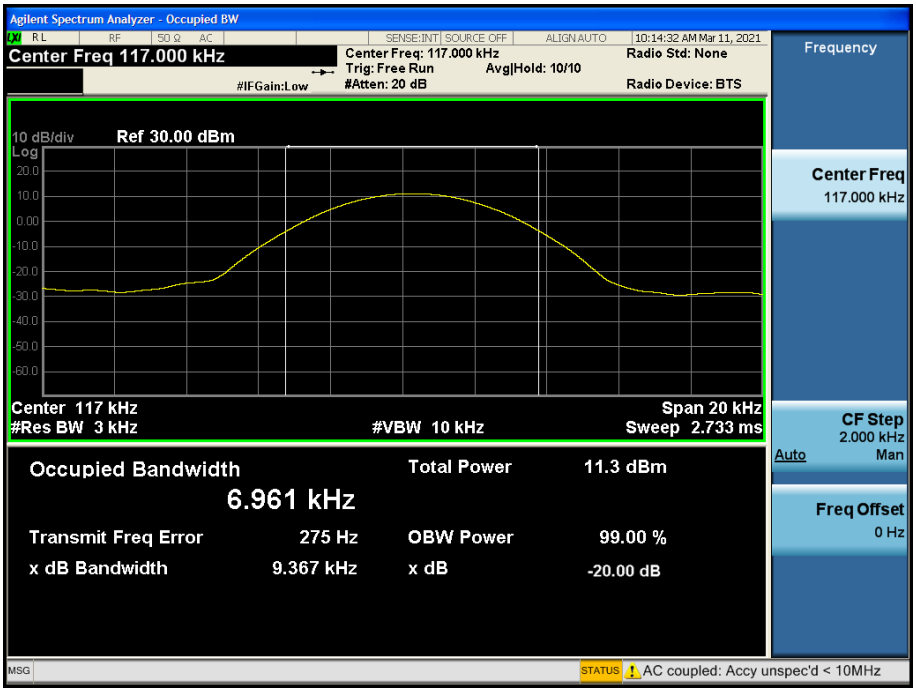
5.4.1 Test method

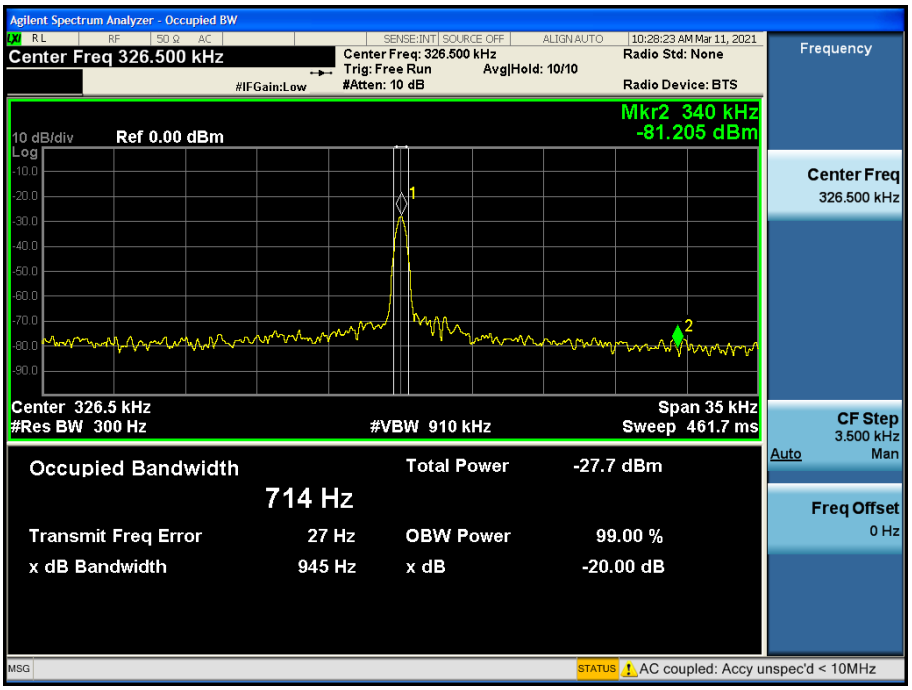
Use the following spectrum analyzer settings:
Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel
RBW ≥1% of the 20 dB bandwidth
VBW ≥RBW
Sweep = auto
Detector function = peak
Trace = max hold
The EUT should be transmitting at its maximum data rate. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 20 dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is the 20 dB bandwidth and 99% occupied bandwidth of the emission.

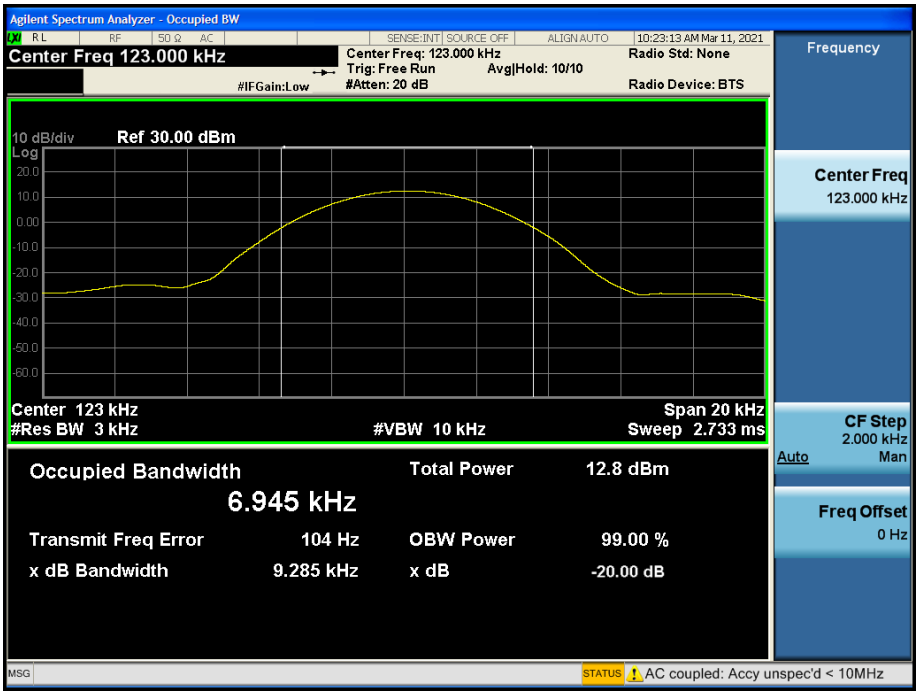
5.4.2 Test result

/	Frequency (kHz)	20dB emission bandwidth (kHz)	99% occupied bandwidth (kHz)
Mobile phone	117	9.367	6.961
Apple watch	326.5	0.945	0.714
Airpods	123	9.285	6.945

Test plots as below:




Agilent Spectrum Analyzer - Occupied BW
Center Freq 326.500 kHz
Center Freq: 326.500 kHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
10:28:23 AM Mar 11, 2021
Mkr2 340 kHz
-81.205 dBm
10 dB/div
Ref 0.00 dBm
Log
Center 326.5 kHz
#Res BW 300 Hz
#VBW 910 kHz
Span 35 kHz
Sweep 461.7 ms
Occupied Bandwidth
714 Hz
Total Power -27.7 dBm
Transmit Freq Error 27 Hz
OBW Power 99.00 %
x dB Bandwidth 945 Hz
x dB -20.00 dB
Frequency
Center Freq
326.500 kHz
CF Step
3.500 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz


Agilent Spectrum Analyzer - Occupied BW
Center Freq 123.000 kHz
Center Freq: 123.000 kHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 20 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
10:23:13 AM Mar 11, 2021
10 dB/div
Ref 30.00 dBm
Log
Center 123 kHz
#Res BW 3 kHz
#VBW 10 kHz
Span 20 kHz
Sweep 2.733 ms
Occupied Bandwidth
6.945 kHz
Total Power 12.8 dBm
Transmit Freq Error 104 Hz
OBW Power 99.00 %
x dB Bandwidth 9.285 kHz
x dB -20.00 dB
Frequency
Center Freq
123.000 kHz
CF Step
2.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz

5.4.3 Test method

The transmitter output is connected to the spectrum analyzer.
The RBW is set to 300Hz. The VBW is set to 3 times the RBW.
The sweep time is coupled.
The spectrum analyzer internal 99% bandwidth function is utilized.

Note: Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW.

Note that when the EUT was in standby mode the only signal that comes out from the EUT was the intentional charging signal of 326.5kHz. On the other hand, when the EUT was in operational mode there were two signals. One of the intentional charging signal of 326.5kHz and the other one the control signal of 340kHz that controls the communication/charging status between EUT and the client device-the watch.

5.4.4 EUT SETUP

Configuration 1: Charger in standby mode, transmitting low duty cycle CW signal at 326.5kHz test.

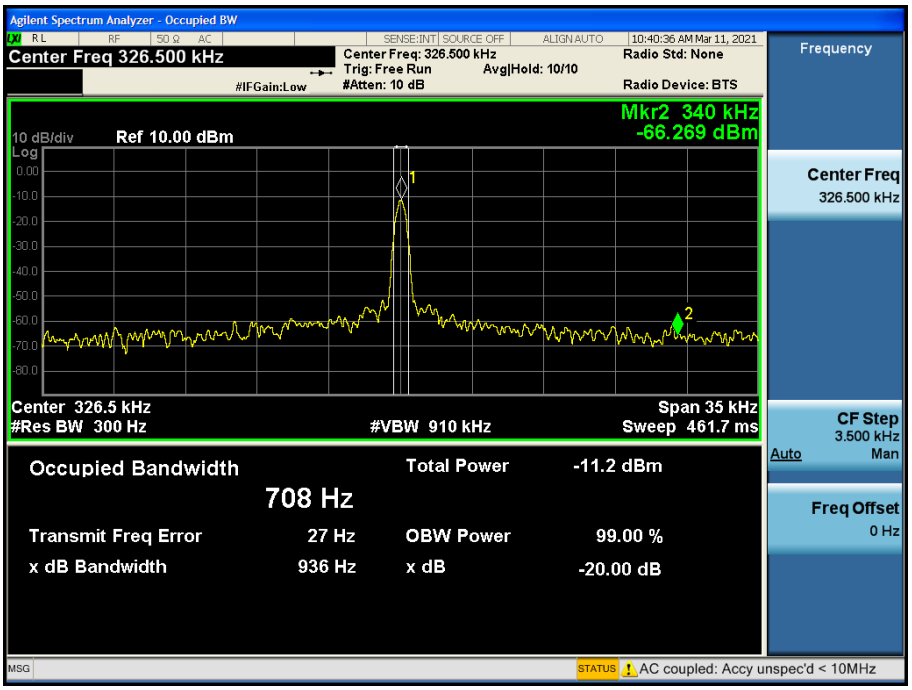
Configuration 2: Charger in pairing mode with FSK modulation (-0/+15 kHz) which occurs over a very short period of time as soon as the watch is placed on the charger.

Configuration 3: Charger in charging mode with CW signal and duty cycle varied to control charge level via load modulation from watch.

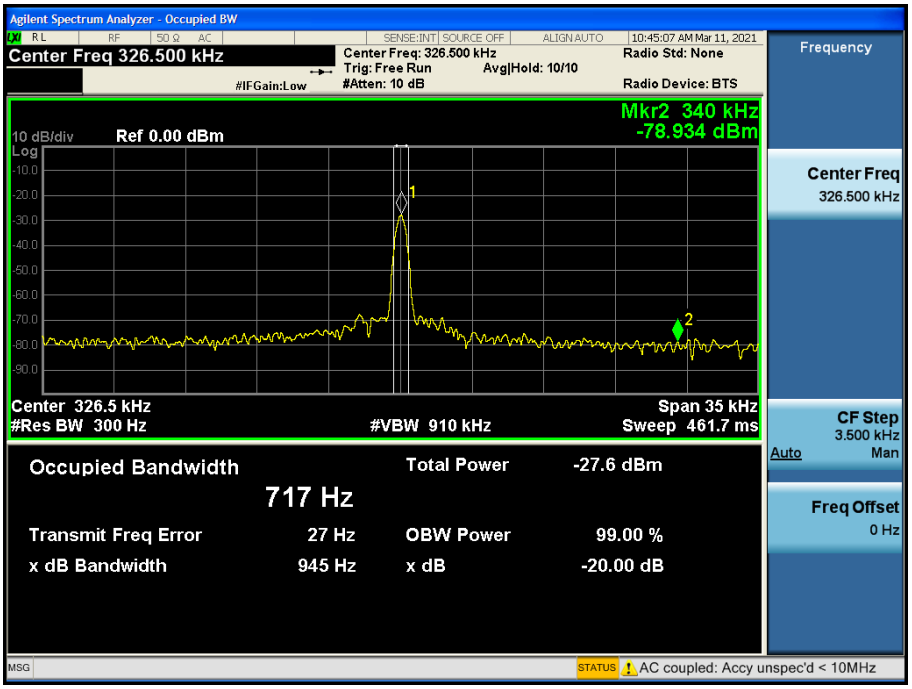
5.4.5 Test result

Test plots as below:

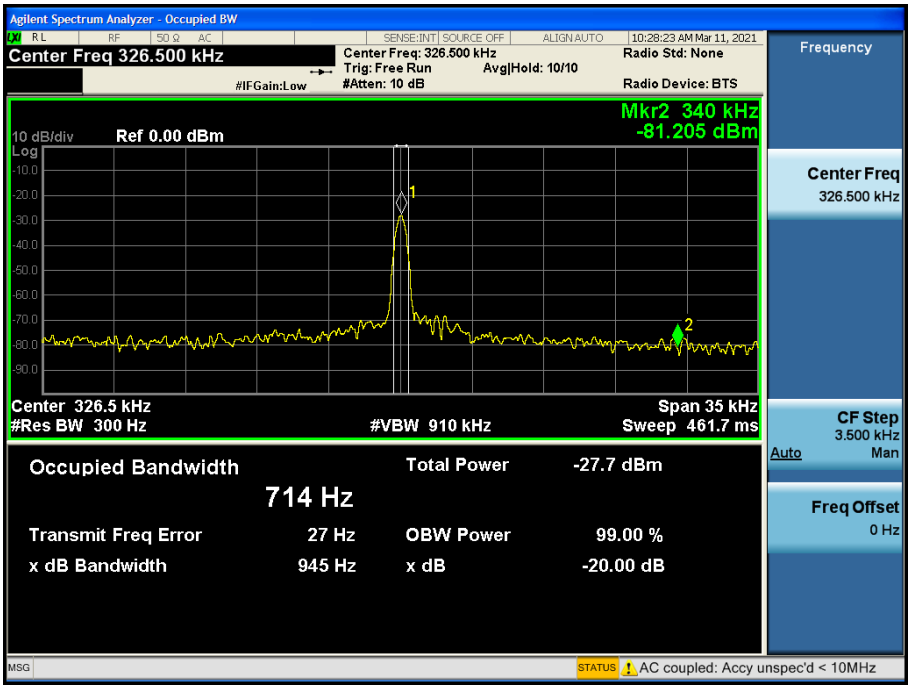
Configuration 1:



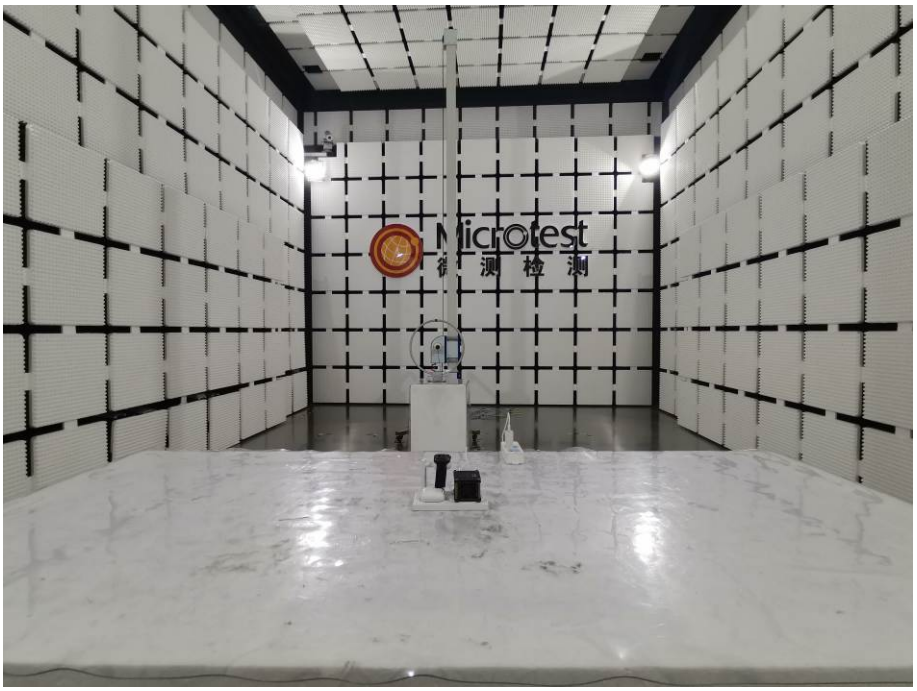
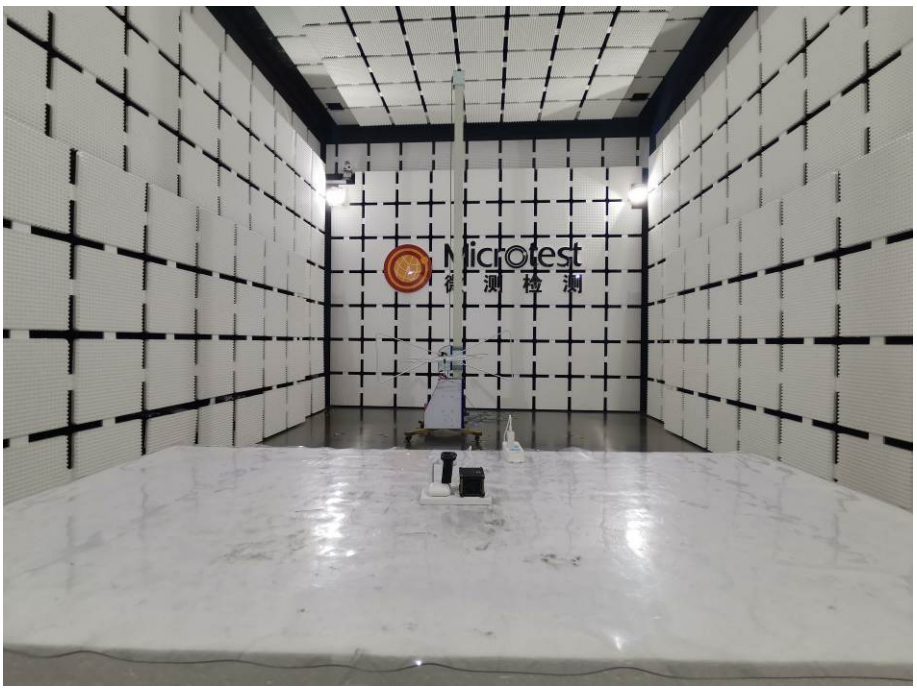
Configuration 2:



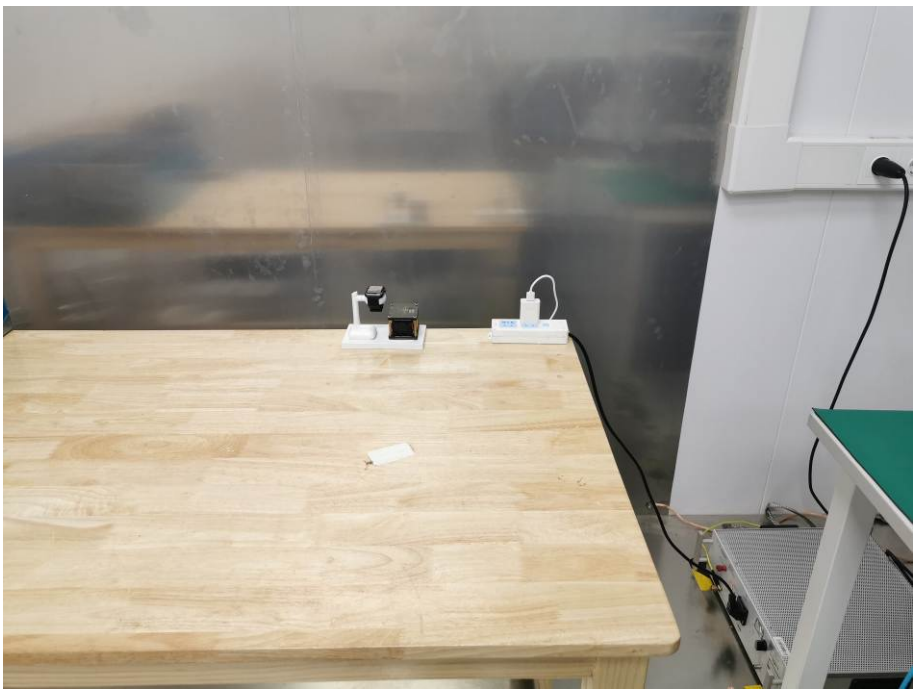
Configuration 3:



Photographs of the Test Setup

Radiated emission



Conducted emission



Photographs of the EUT

See the APPENDIX 1- EUT PHOTO.

----END OF REPORT----