



Test Report

Report No.: MTi210416004-05E1

Date of issue: May 08, 2021

Applicant: Anker Innovations Limited

Product name: Wireless Charger

Model(s): A2583

FCC ID: 2AOKB-A2583

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



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TEST RESULT CERTIFICATION

Applicant's name	Anker Innovations Limited
Address	Room 1318-19, Hollywood Plaza, 610 Nathan Road, Mongkok, Kowloon, Hongkong
Manufacturer's Name	Anker Innovations Limited
Address	Room 1318-19, Hollywood Plaza, 610 Nathan Road, Mongkok, Kowloon, Hongkong
Factory 1's Name.....	HU NAN GIANTSUN POWER ELECTRONICS CO., LTD
Address	Building1, 15, 16, 17, Taiwan Industrial Zone, Nonferrous Metals Industrial park, Chenzhou, Hunan, China
Factory 2's Name.....	GIANTSUN POWER ELECTRONICS (VIETNAM) CO., LTD.
Address	Factory No. 6, Lot CN8, Thach That - Quoc Oai Industrial Park, Phung Xa Commune, Thach That District, Hanoi City, Vietnam

Product description

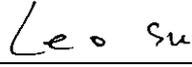
Product name	Wireless Charger
Trademark	ANKER
Model Name	A2583
Serial Model	N/A
Standards	FCC Part 15C
Test procedure.....	ANSI C63.10-2013

Date of Test

Date (s) of performance of tests.....	Apr. 02, 2021 ~ Apr. 30, 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:	Wireless Charger
Model name:	A2583
Model difference:	N/A
Operation frequency:	115–205 kHz
Modulation type:	ASK
Max output power:	5W
Antenna type:	Coil Antenna
Power supply:	DC 15V from adapter AC 120V/60Hz
Input:	15V/3A
Battery:	N/A
Adapter information:	Model: A2664 Input: AC 100-240V 1.87A 50/60Hz Output: DC 5V 3A / DC 9V 3A / DC 15V 3A / DC 20V 2.25A(45W MAX) PPS: DC 3.3V-16.0V 3A MAX(45W MAX), DC 3.3V-21V 2.25A MAX(45W MAX)
EUT serial number:	MTi210416004-05-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(CHIPSEA Chip 1)
Mode 1	Wireless charging(HOLTEK Chip 2)
Note: CHIPSEA Chip 1 and HOLTEK Chip 2 are charging management chips, which are provided by two different manufacturers	

Note:

1: 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
AirPods	/	/	Apple
Adapter	A2664	/	Anker Innovations Limited



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

Channel	Frequency (kHz)
Low	115
Middle	140
High	205

2.2 Test channel

Channel	Frequency (kHz)
Middle	140

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:	15°C~35°C
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	1×10^{-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	Schwarzbeck	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 Signal 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 μ H/50 ohms line impedance stabilization network (LISN).

Frequency (MHz)	Conducted limit (dB μ V)	
	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.

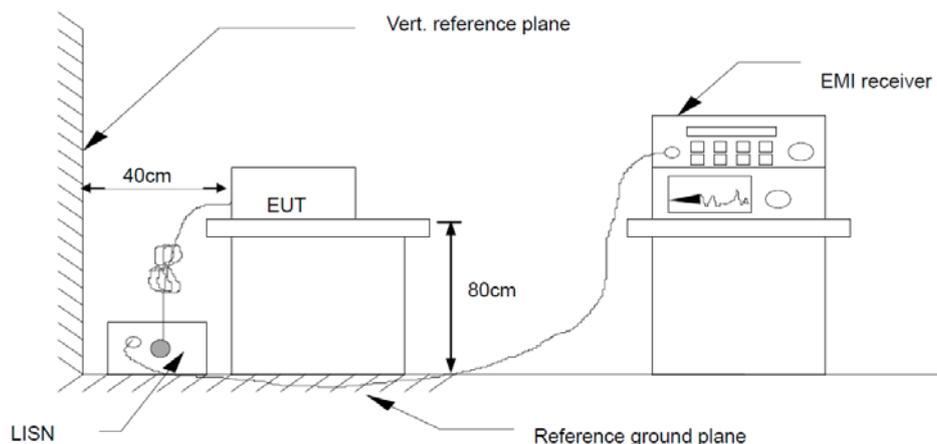
Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

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.

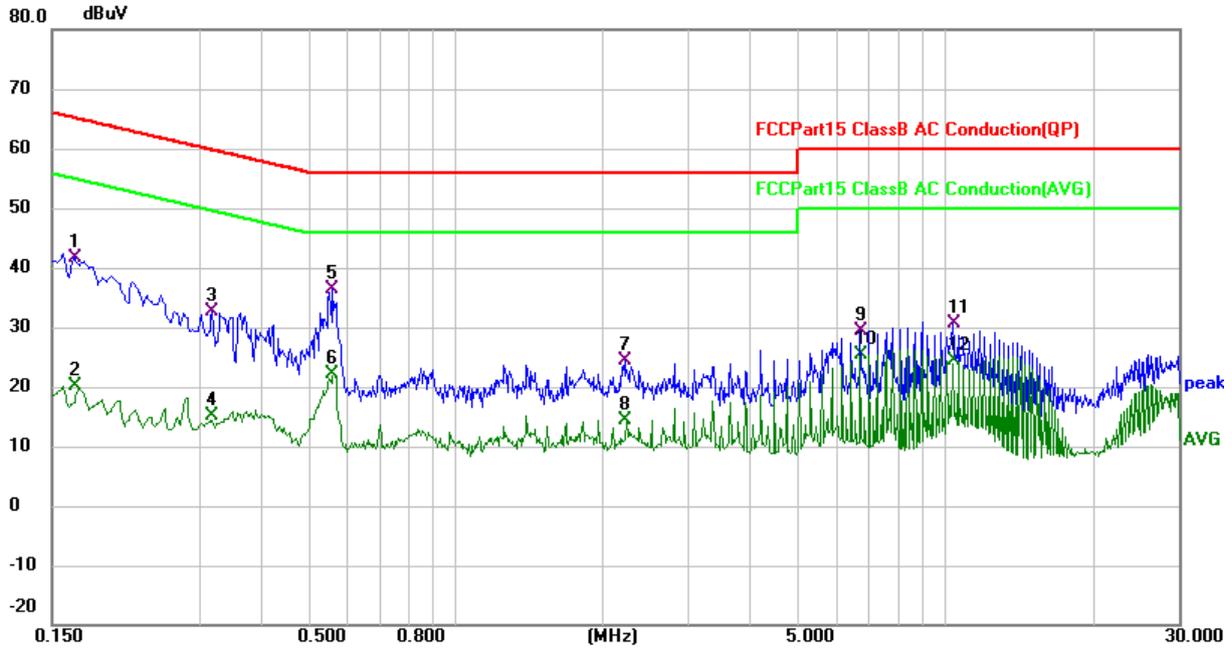
5.2.3 Test Setup



5.2.4 Test Result



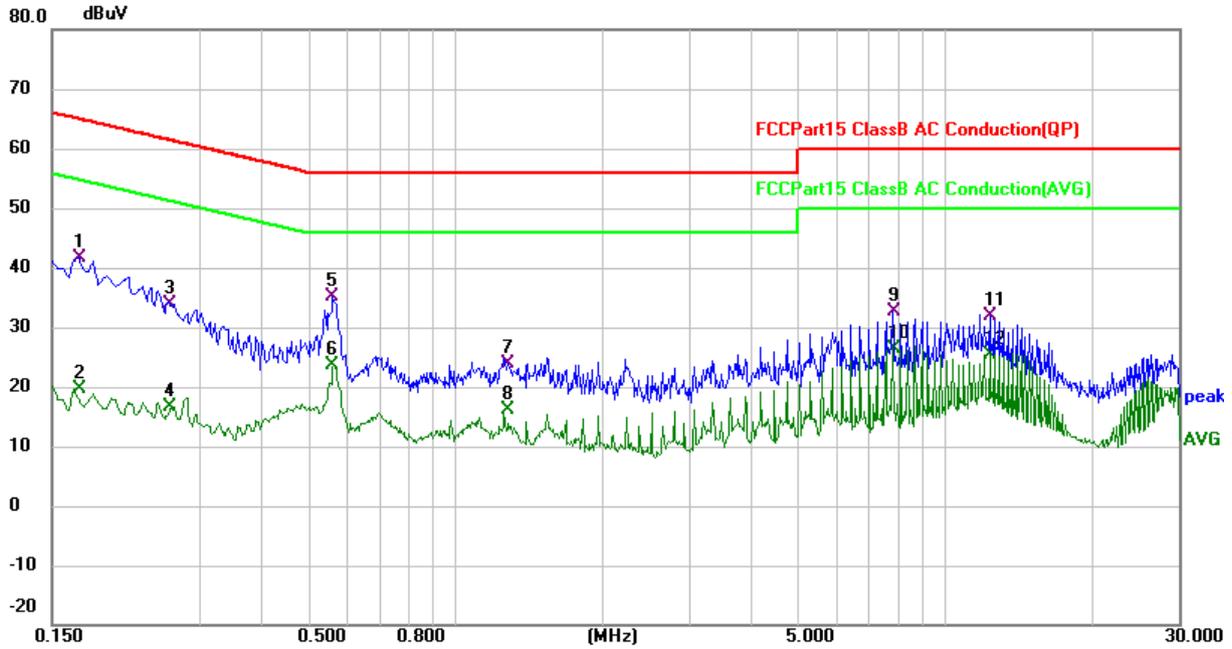
EUT:	Wireless Charger	Model Name:	A2583
Pressure:	101kPa	Phase:	L
Test voltage:	DC 15V from adapter AC 120V/60Hz	Test mode:	Mode 1



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1660	30.76	10.99	41.75	65.16	-23.41	QP
2		0.1660	9.10	10.99	20.09	55.16	-35.07	AVG
3		0.3180	21.72	10.99	32.71	59.76	-27.05	QP
4		0.3180	4.06	10.99	15.05	49.76	-34.71	AVG
5	*	0.5620	25.22	11.09	36.31	56.00	-19.69	QP
6		0.5620	11.00	11.09	22.09	46.00	-23.91	AVG
7		2.2220	8.62	15.84	24.46	56.00	-31.54	QP
8		2.2220	-1.53	15.84	14.31	46.00	-31.69	AVG
9		6.7260	17.75	11.63	29.38	60.00	-30.62	QP
10		6.7260	13.86	11.63	25.49	50.00	-24.51	AVG
11		10.3660	19.00	11.58	30.58	60.00	-29.42	QP
12		10.3660	12.80	11.58	24.38	50.00	-25.62	AVG



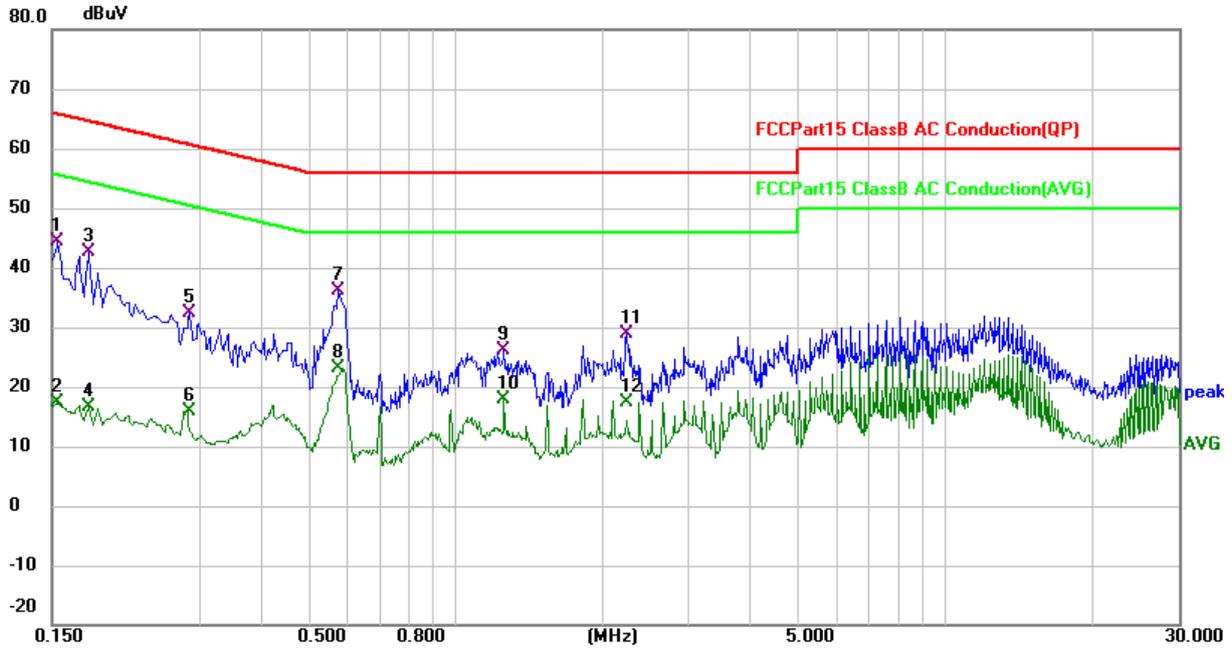
EUT:	Wireless Charger	Model Name:	A2583
Pressure:	101kPa	Phase:	N
Test voltage:	DC 15V from adapter AC 120V/60Hz	Test mode:	Mode 1



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1700	30.77	10.93	41.70	64.96	-23.26	QP
2		0.1700	8.69	10.93	19.62	54.96	-35.34	AVG
3		0.2603	23.02	10.93	33.95	61.42	-27.47	QP
4		0.2603	5.80	10.93	16.73	51.42	-34.69	AVG
5	*	0.5620	24.24	10.97	35.21	56.00	-20.79	QP
6		0.5620	12.70	10.97	23.67	46.00	-22.33	AVG
7		1.2820	9.99	13.82	23.81	56.00	-32.19	QP
8		1.2820	2.42	13.82	16.24	46.00	-29.76	AVG
9		7.8460	21.11	11.44	32.55	60.00	-27.45	QP
10		7.8460	14.84	11.44	26.28	50.00	-23.72	AVG
11		12.3300	20.28	11.60	31.88	60.00	-28.12	QP
12		12.3300	13.84	11.60	25.44	50.00	-24.56	AVG



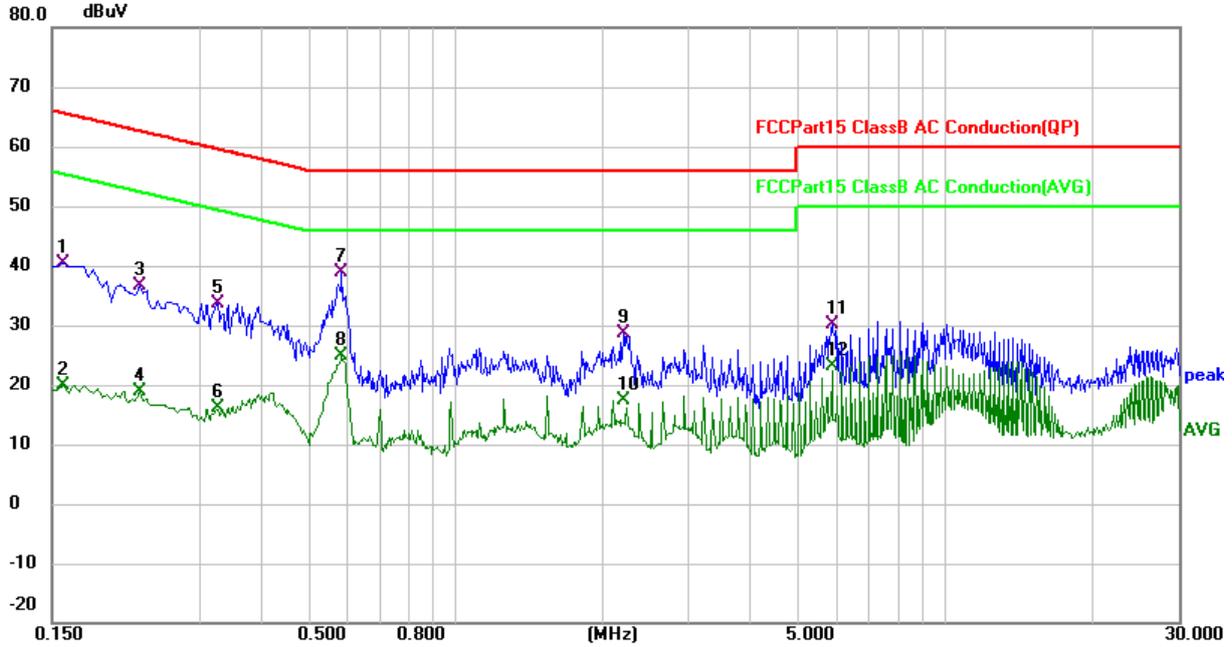
EUT:	Wireless Charger	Model Name:	A2583
Pressure:	101kPa	Phase:	L
Test voltage:	DC 15V from adapter AC 240V/60Hz	Test mode:	Mode 1



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1539	33.32	10.99	44.31	65.79	-21.48	QP
2		0.1539	6.35	10.99	17.34	55.79	-38.45	AVG
3		0.1780	31.57	10.98	42.55	64.58	-22.03	QP
4		0.1780	5.68	10.98	16.66	54.58	-37.92	AVG
5		0.2860	21.43	11.00	32.43	60.64	-28.21	QP
6		0.2860	4.87	11.00	15.87	50.64	-34.77	AVG
7	*	0.5780	25.12	11.09	36.21	56.00	-19.79	QP
8		0.5780	12.07	11.09	23.16	46.00	-22.84	AVG
9		1.2620	12.21	13.83	26.04	56.00	-29.96	QP
10		1.2620	4.02	13.83	17.85	46.00	-28.15	AVG
11		2.2420	12.99	15.88	28.87	56.00	-27.13	QP
12		2.2420	1.50	15.88	17.38	46.00	-28.62	AVG



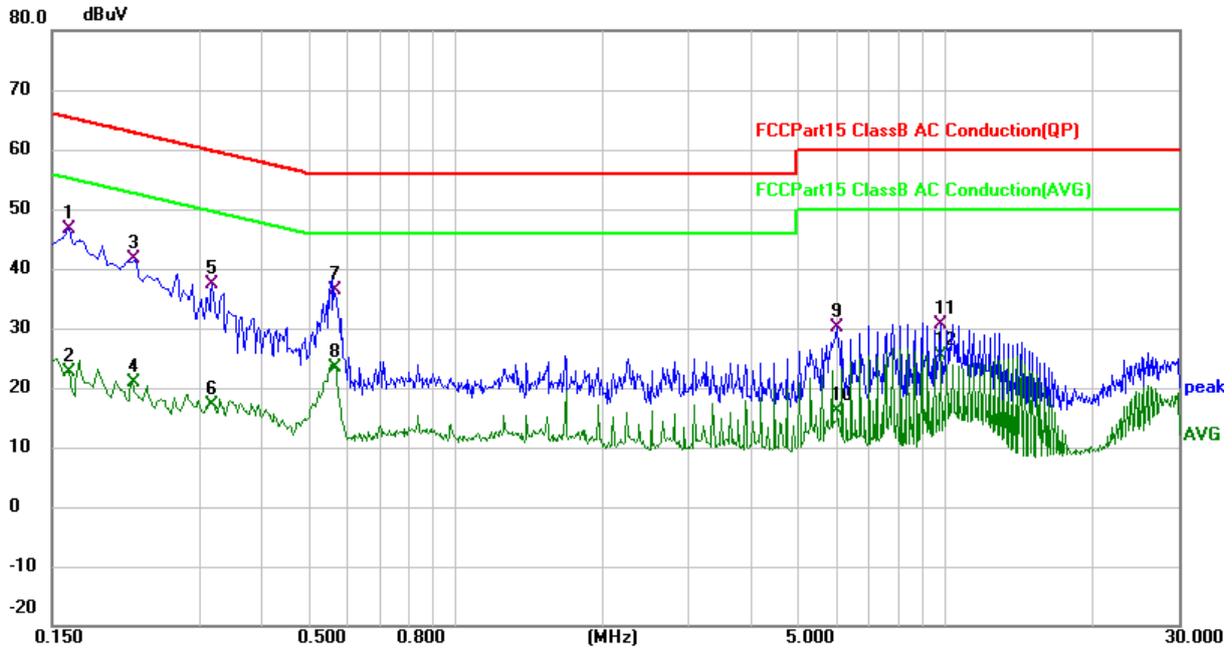
EUT:	Wireless Charger	Model Name:	A2583
Pressure:	101kPa	Phase:	N
Test voltage:	DC 15V from adapter AC 240V/60Hz	Test mode:	Mode 1



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB	dBuV	dBuV	dB	
1		0.1580	29.53	10.94	40.47	65.57	-25.10	QP
2		0.1580	9.05	10.94	19.99	55.57	-35.58	AVG
3		0.2260	25.64	10.92	36.56	62.60	-26.04	QP
4		0.2260	7.92	10.92	18.84	52.60	-33.76	AVG
5		0.3260	22.84	10.91	33.75	59.55	-25.80	QP
6		0.3260	5.34	10.91	16.25	49.55	-33.30	AVG
7	*	0.5860	27.84	10.98	38.82	56.00	-17.18	QP
8		0.5860	14.02	10.98	25.00	46.00	-21.00	AVG
9		2.2060	12.74	15.81	28.55	56.00	-27.45	QP
10		2.2060	1.62	15.81	17.43	46.00	-28.57	AVG
11		5.8859	18.68	11.40	30.08	60.00	-29.92	QP
12		5.8859	11.85	11.40	23.25	50.00	-26.75	AVG



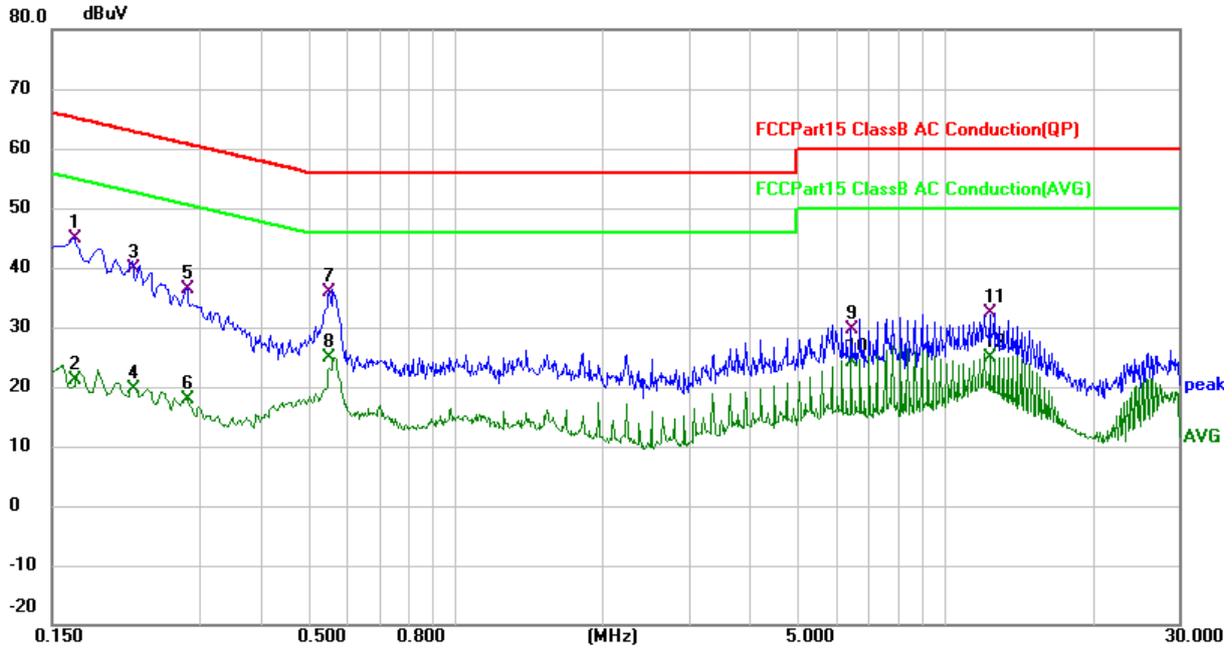
EUT:	Wireless Charger	Model Name:	A2583
Pressure:	101kPa	Phase:	L
Test voltage:	DC 15V from adapter AC 120V/60Hz	Test mode:	Mode 2



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1620	35.70	10.99	46.69	65.36	-18.67	QP
2		0.1620	11.76	10.99	22.75	55.36	-32.61	AVG
3		0.2180	30.62	10.98	41.60	62.89	-21.29	QP
4		0.2180	9.96	10.98	20.94	52.89	-31.95	AVG
5		0.3180	26.42	10.99	37.41	59.76	-22.35	QP
6		0.3180	6.20	10.99	17.19	49.76	-32.57	AVG
7		0.5660	25.32	11.09	36.41	56.00	-19.59	QP
8		0.5660	12.37	11.09	23.46	46.00	-22.54	AVG
9		6.0180	18.49	11.56	30.05	60.00	-29.95	QP
10		6.0180	4.64	11.56	16.20	50.00	-33.80	AVG
11		9.8060	19.08	11.57	30.65	60.00	-29.35	QP
12		9.8060	13.73	11.57	25.30	50.00	-24.70	AVG



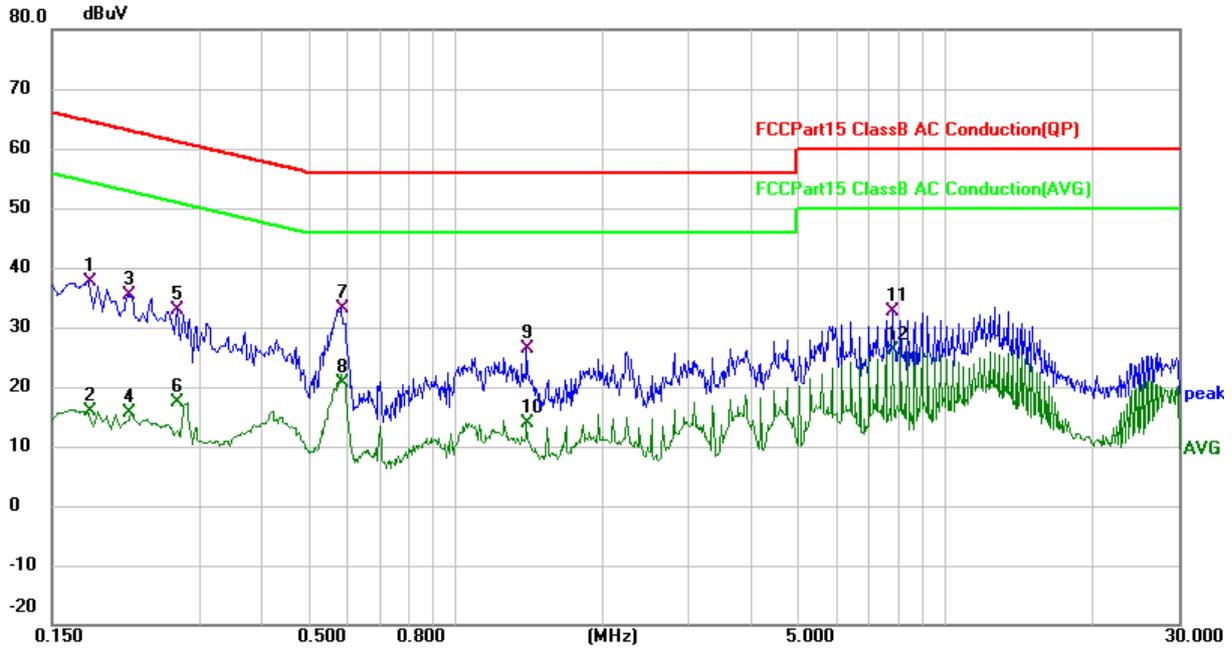
EUT:	Wireless Charger	Model Name:	A2583
Pressure:	101kPa	Phase:	N
Test voltage:	DC 15V from adapter AC 120V/60Hz	Test mode:	Mode 2



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1660	34.07	10.93	45.00	65.16	-20.16	QP
2		0.1660	10.21	10.93	21.14	55.16	-34.02	AVG
3		0.2197	28.87	10.92	39.79	62.83	-23.04	QP
4		0.2197	8.78	10.92	19.70	52.83	-33.13	AVG
5		0.2818	25.44	10.92	36.36	60.76	-24.40	QP
6		0.2818	7.02	10.92	17.94	50.76	-32.82	AVG
7	*	0.5540	24.95	10.96	35.91	56.00	-20.09	QP
8		0.5540	13.81	10.96	24.77	46.00	-21.23	AVG
9		6.4460	18.29	11.41	29.70	60.00	-30.30	QP
10		6.4460	12.73	11.41	24.14	50.00	-25.86	AVG
11		12.3300	20.68	11.60	32.28	60.00	-27.72	QP
12		12.3300	13.16	11.60	24.76	50.00	-25.24	AVG



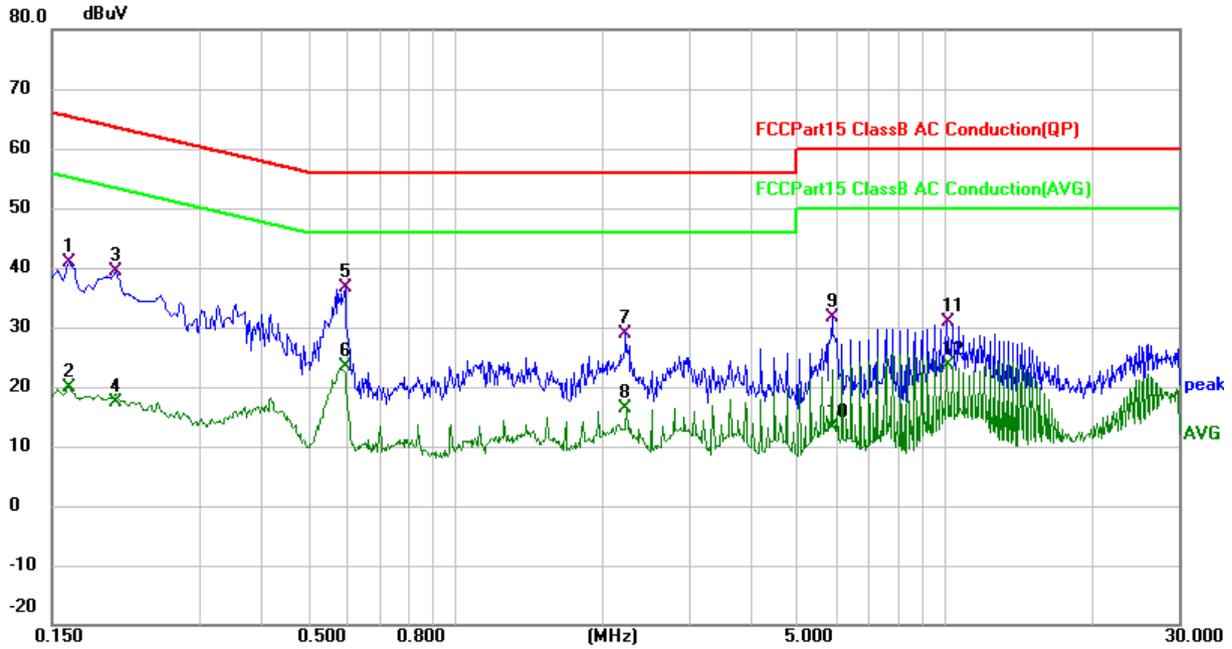
EUT:	Wireless Charger	Model Name:	A2583
Pressure:	101kPa	Phase:	L
Test voltage:	DC 15V from adapter AC 240V/60Hz	Test mode:	Mode 2



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1780	26.71	10.98	37.69	64.58	-26.89	QP
2		0.1780	5.01	10.98	15.99	54.58	-38.59	AVG
3		0.2140	24.49	10.98	35.47	63.05	-27.58	QP
4		0.2140	4.64	10.98	15.62	53.05	-37.43	AVG
5		0.2700	21.91	11.00	32.91	61.12	-28.21	QP
6		0.2700	6.27	11.00	17.27	51.12	-33.85	AVG
7	*	0.5860	22.11	11.09	33.20	56.00	-22.80	QP
8		0.5860	9.50	11.09	20.59	46.00	-25.41	AVG
9		1.4020	12.14	14.13	26.27	56.00	-29.73	QP
10		1.4020	-0.22	14.13	13.91	46.00	-32.09	AVG
11		7.8459	21.01	11.62	32.63	60.00	-27.37	QP
12		7.8459	14.55	11.62	26.17	50.00	-23.83	AVG



EUT:	Wireless Charger	Model Name:	A2583
Pressure:	101kPa	Phase:	N
Test voltage:	DC 15V from adapter AC 240V/60Hz	Test mode:	Mode 2



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1620	30.03	10.94	40.97	65.36	-24.39	QP
2		0.1620	9.01	10.94	19.95	55.36	-35.41	AVG
3		0.2020	28.42	10.91	39.33	63.53	-24.20	QP
4		0.2020	6.45	10.91	17.36	53.53	-36.17	AVG
5	*	0.5940	25.75	10.98	36.73	56.00	-19.27	QP
6		0.5940	12.47	10.98	23.45	46.00	-22.55	AVG
7		2.2340	13.01	15.85	28.86	56.00	-27.14	QP
8		2.2340	0.60	15.85	16.45	46.00	-29.55	AVG
9		5.8859	20.23	11.40	31.63	60.00	-28.37	QP
10		5.8859	1.68	11.40	13.08	50.00	-36.92	AVG
11		10.0860	19.31	11.53	30.84	60.00	-29.16	QP
12		10.0860	12.20	11.53	23.73	50.00	-26.27	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 (microrvolts/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	5 th 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

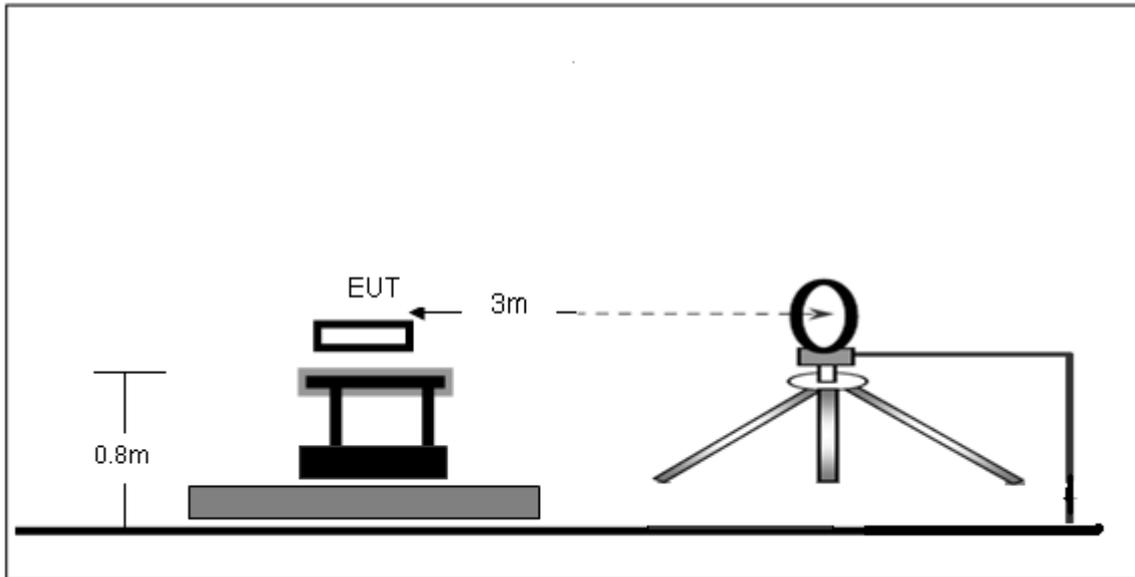
- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 25GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-chamber test. The table was rotated 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.

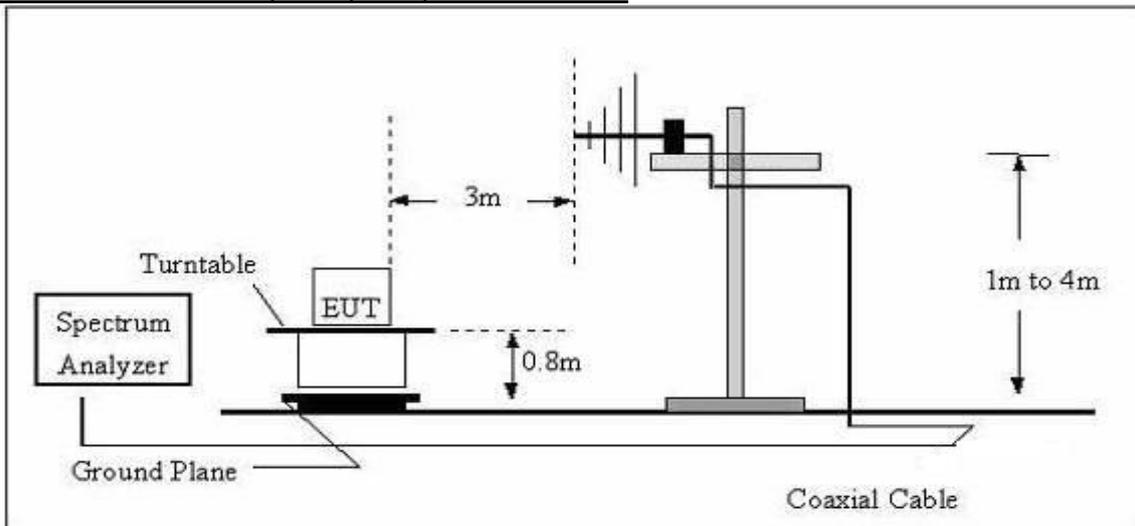


5.3.3 Test Setup

Radiated Emission Test-Up Frequency Below 30MHz



Radiated Emission Test-Up Frequency 30MHz~1GHz

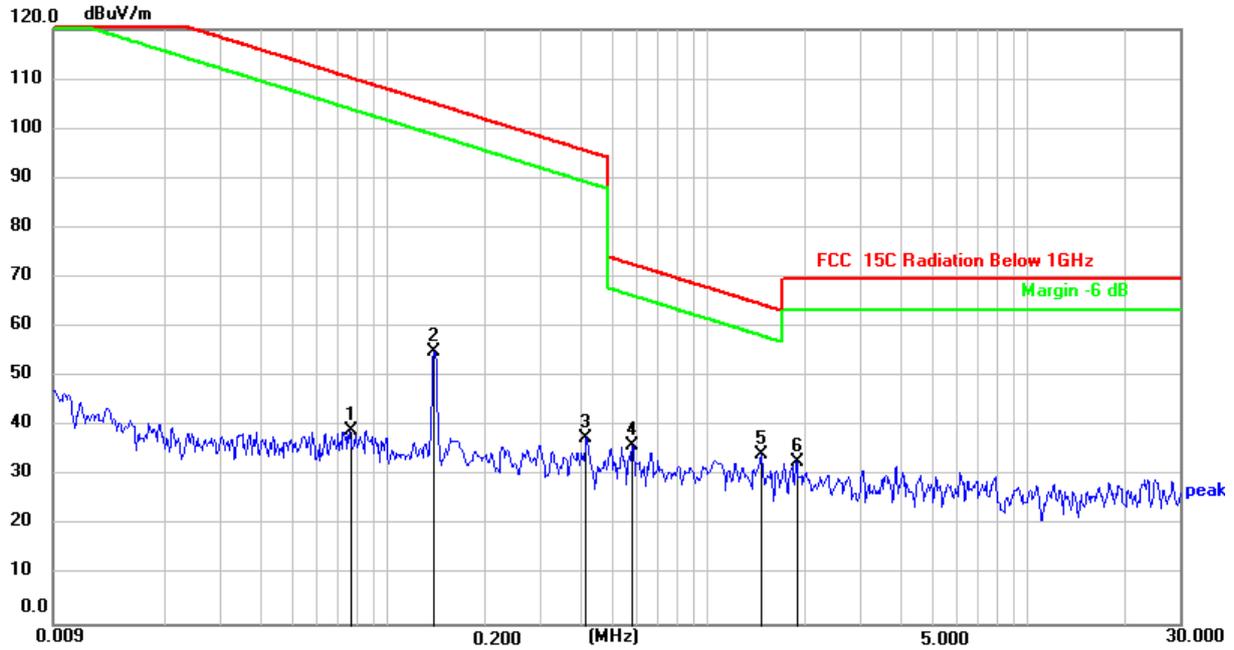


5.3.4 Test Result



Frequency range (9kHz – 30MHz)

EUT:	Wireless Charger	Model Name:	A2583
Pressure:	101kPa	Test mode:	Mode 1
Test voltage:	DC 15V from adapter AC 120V/60Hz		

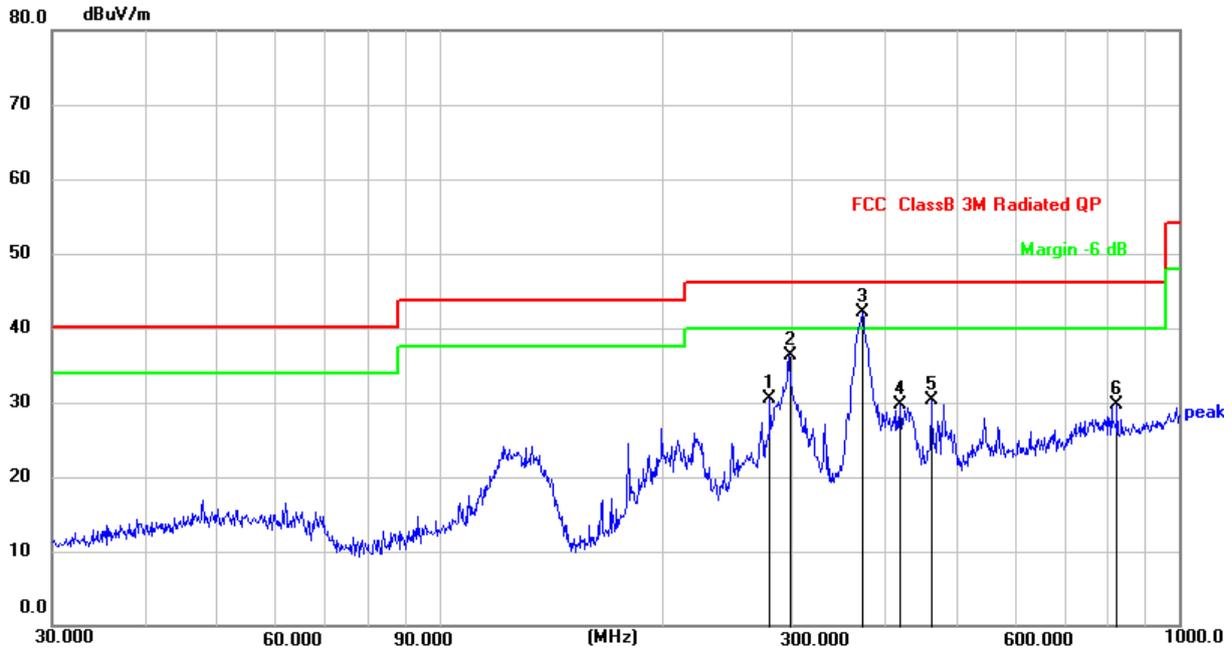


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0760	16.86	22.26	39.12	109.99	-70.87	QP
2	0.1396	33.13	21.83	54.96	104.71	-49.75	QP
3	0.4174	16.02	21.75	37.77	95.19	-57.42	QP
4	0.5821	14.47	21.78	36.25	72.31	-36.06	QP
5 *	1.4676	11.89	22.31	34.20	64.30	-30.10	QP
6	1.9026	10.69	22.19	32.88	69.50	-36.62	QP



Frequency range (30MHz – 1GHz)

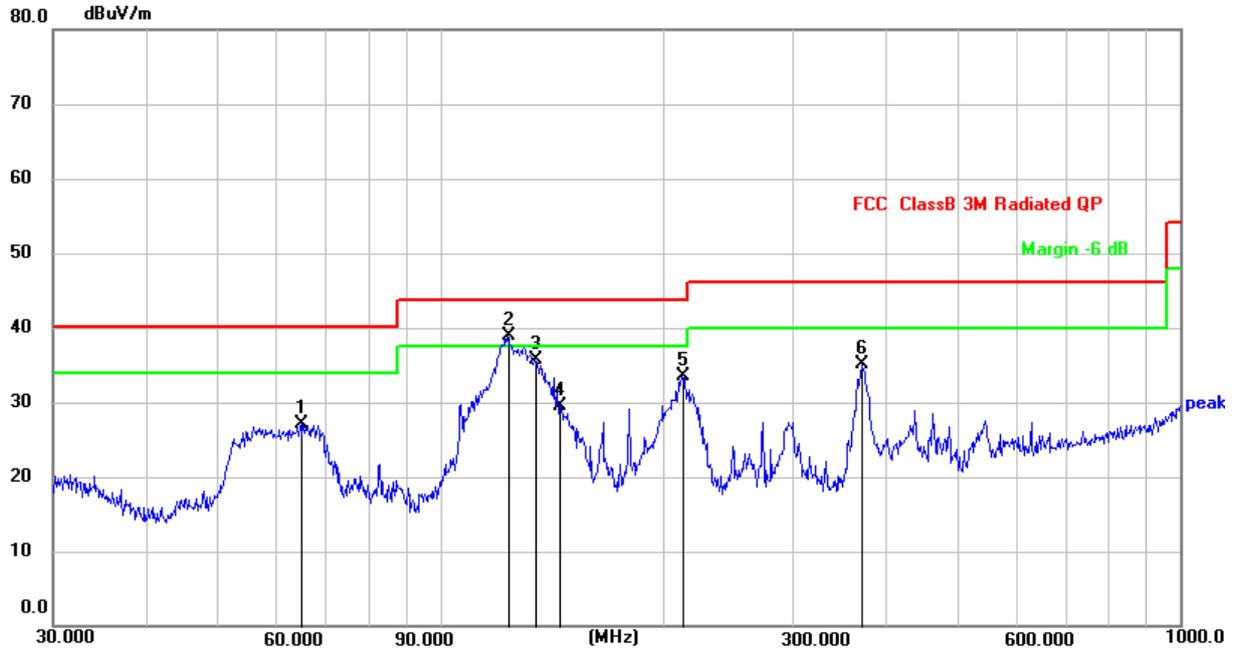
EUT:	Wireless Charger	Model Name:	A2583
Pressure:	101kPa	Polarization:	Vertical
Test voltage:	DC 15V from adapter AC 120V/60Hz	Test mode:	Mode 1



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	280.0237	39.59	-9.11	30.48	46.00	-15.52	QP
2	297.2241	45.03	-8.76	36.27	46.00	-9.73	QP
3 *	373.3112	50.04	-8.02	42.02	46.00	-3.98	QP
4	419.1081	36.70	-6.97	29.73	46.00	-16.27	QP
5	462.3455	36.36	-6.08	30.28	46.00	-15.72	QP
6	824.5968	29.37	0.42	29.79	46.00	-16.21	QP



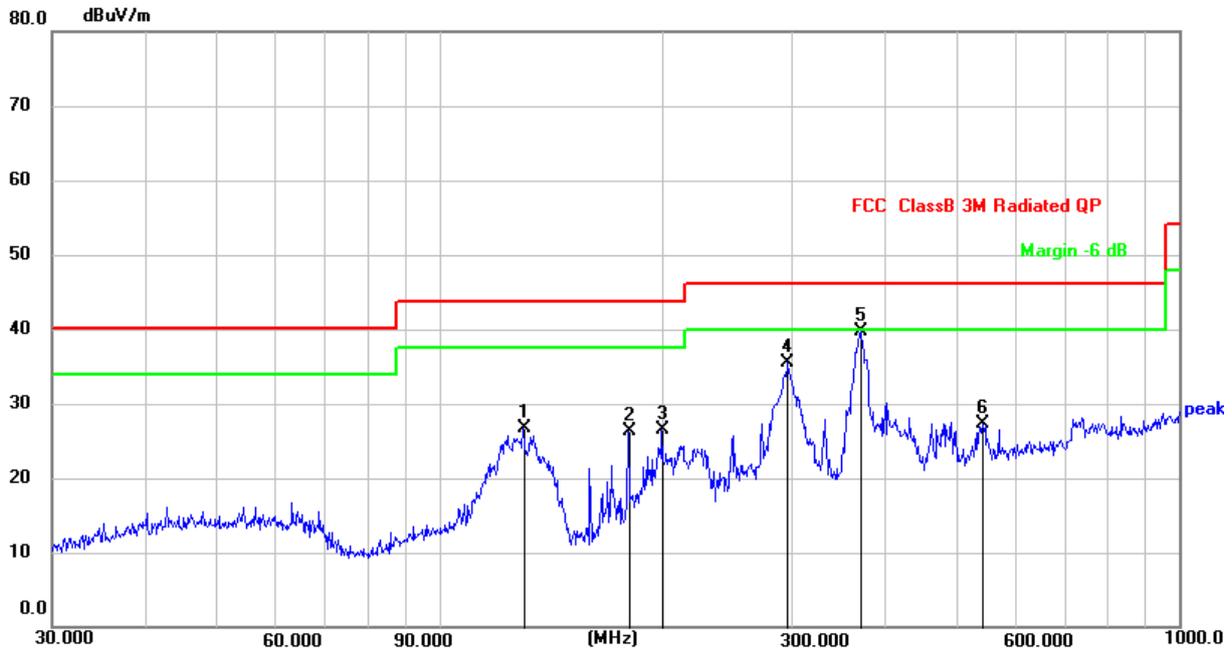
EUT:	Wireless Charger	Model Name:	A2583
Pressure:	101kPa	Polarization:	Horizontal
Test voltage:	DC 15V from adapter AC 120V/60Hz	Test mode:	Mode 1



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	64.8865	41.23	-14.14	27.09	40.00	-12.91	QP
2 *	123.2655	52.96	-14.12	38.84	43.50	-4.66	QP
3	134.0882	50.83	-15.03	35.80	43.50	-7.70	QP
4	144.8418	44.94	-15.34	29.60	43.50	-13.90	QP
5	212.2695	44.63	-11.16	33.47	43.50	-10.03	QP
6	372.0045	43.13	-8.05	35.08	46.00	-10.92	QP



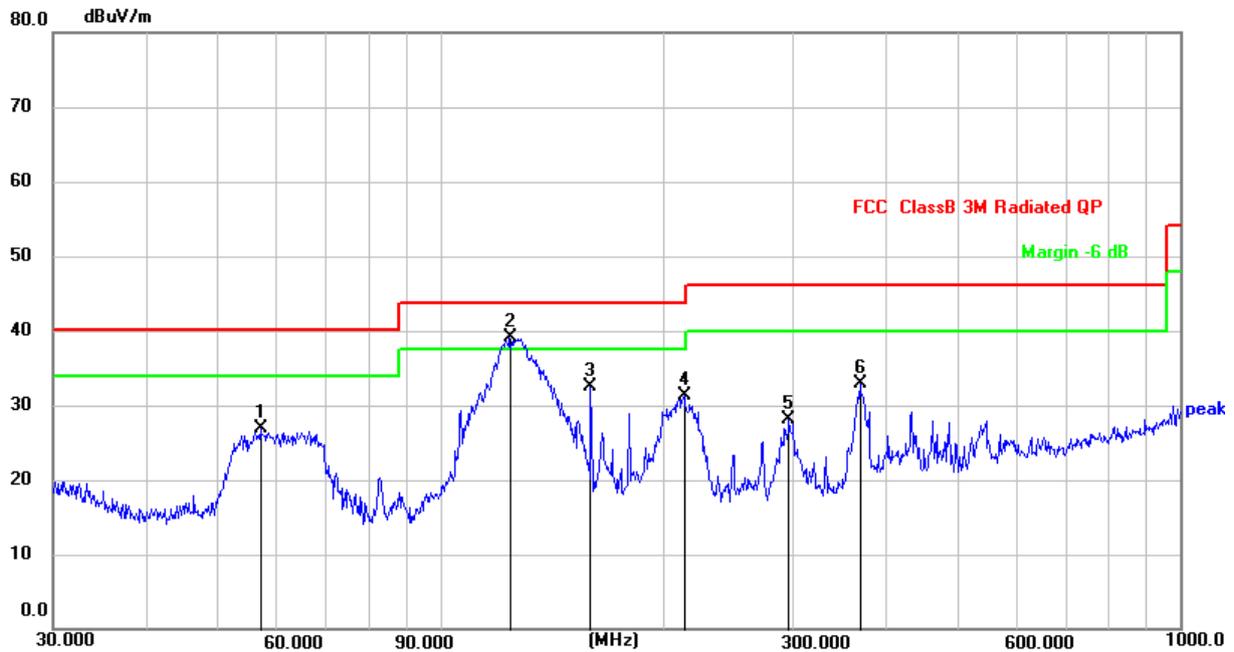
EUT:	Wireless Charger	Model Name:	A2583
Pressure:	101kPa	Polarization:	Vertical
Test voltage:	DC 15V from adapter AC 120V/60Hz	Test mode:	Mode 2



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	129.9226	41.63	-14.86	26.77	43.50	-16.73	QP
2	180.0165	39.68	-13.45	26.23	43.50	-17.27	QP
3	199.9856	38.16	-11.63	26.53	43.50	-16.97	QP
4	296.1836	44.26	-8.79	35.47	46.00	-10.53	QP
5 *	372.0045	47.70	-8.05	39.65	46.00	-6.35	QP
6	543.2742	31.88	-4.58	27.30	46.00	-18.70	QP



EUT:	Wireless Charger	Model Name:	A2583
Pressure:	101kPa	Polarization:	Horizontal
Test voltage:	DC 15V from adapter AC 120V/60Hz	Test mode:	Mode 2



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	57.1914	39.24	-12.40	26.84	40.00	-13.16	QP
2 *	124.1330	53.32	-14.22	39.10	43.50	-4.40	QP
3	159.7844	46.94	-14.50	32.44	43.50	-11.06	QP
4	213.7634	42.41	-11.10	31.31	43.50	-12.19	QP
5	296.1836	36.80	-8.79	28.01	46.00	-17.99	QP
6	369.4047	41.10	-8.12	32.98	46.00	-13.02	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 $\geq 1\%$ of the 20 dB bandwidth

VBW \geq RBW

Sweep = auto

Detector function = peak

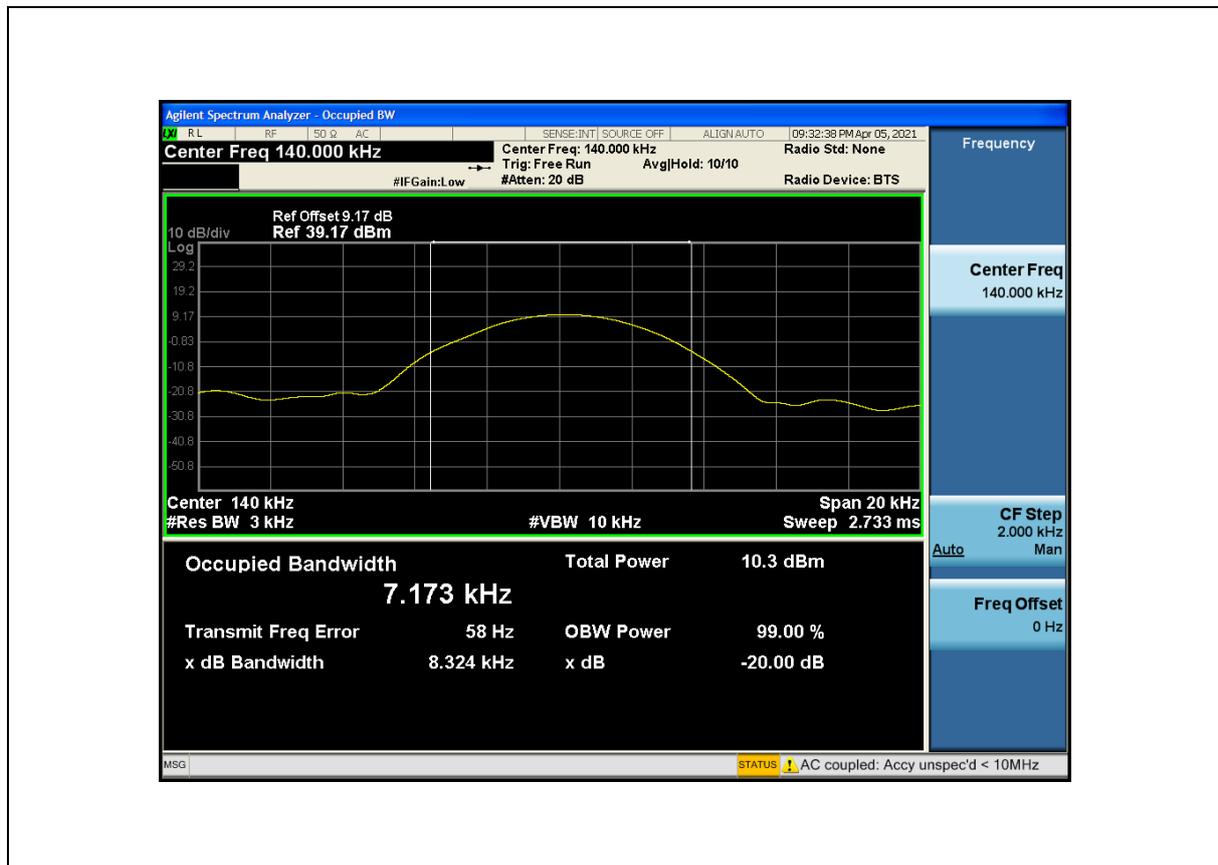
Trace = max hold

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)
140	8.324	7.173

Test plots as below:



----END OF REPORT----