

**ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT  
CONSUMER ISM EQUIPMNET CERTIFICATION TO  
FCC PART 18 SUBPART C REQUIREMENT**

*OF*

**10 Watt Single Coil Wireless Charger**

**Model No.: WC10WSTNDGGL-AL**

**Trademark: Verizon**

**FCC ID: 2AU7D10WSTNDGGL**

**Report No.: EA2002073F 01001**

**Issue Date: Mar. 06, 2020**

*Prepared for*

**Shenzhen PYS Industrial Co., LTD**

**(1st to 12th floors)101-1201,Block 9, Lianhua Industry Zone,LongHua  
District, Shenzhen city**

*Prepared by*

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## TABLE OF CONTENT

Test Report Description	Page
<b>1. SUMMARY OF TEST RESULTS.....</b>	<b>5</b>
<b>2. GENERAL INFORMATION.....</b>	<b>6</b>
2.1. Description of Device (EUT).....	6
2.2. Input / Output Ports.....	7
2.3. Independent Operation Modes.....	7
2.4. Test Manner.....	7
2.5. Description of Test Facility.....	7
2.6. Test Software.....	7
2.7. Description of Support Device.....	8
2.8. Measurement Uncertainty.....	8
<b>3. MEASURING DEVICE AND TEST EQUIPMENT.....</b>	<b>9</b>
3.1. For Power Line Conducted Emission Measurement.....	9
3.2. For Radiated Emission Measurement.....	9
<b>4. POWER LINE CONDUCTED EMISSION MEASUREMENT.....</b>	<b>10</b>
4.1. Block Diagram of Test Setup.....	10
4.2. Measuring Standard.....	10
4.3. Power Line Conducted Emission Limits.....	10
4.4. EUT Configuration on Measurement.....	11
4.5. Operating Condition of EUT.....	11
4.6. Test Procedure.....	12
4.7. Measuring Results.....	12
<b>5. RADIATED EMISSION MEASUREMENT.....</b>	<b>17</b>
5.1. Block Diagram of Test Setup.....	17
5.2. Measuring frequency range.....	18
5.3. Radiated Emission Limits.....	18
5.4. EUT Configuration on Measurement.....	19
5.5. Operating Condition of EUT.....	19
5.6. Test Procedure.....	19
5.7. Measuring Results.....	20
<b>6. PHOTOGRAPHS.....</b>	<b>29</b>
6.1. Photos of Conducted Emission Measurement.....	29
6.2. Photos of Radiation Emission Measurement.....	29
APPENDIX A: Warning Labels (1 Page)	
APPENDIX B: Warning Statement (1 Page)	
APPENDIX C: Photos of EUT (3 Pages)	

### TEST REPORT DESCRIPTION

Applicant : Shenzhen PYS Industrial Co., LTD  
(1st to 12th floors)101-1201,Block 9, Lianhua Industry Zone,LongHua District, Shenzhen city

Manufacturer 1. : Shenzhen PYS Industrial Co., LTD  
(1st to 12th floors)101-1201,Block 9, Lianhua Industry Zone,LongHua District, Shenzhen city

Manufacturer 2. : PYS VIETNAM TECHNOLOGY COMPANY LIMITED  
Lot CN-06,THUAN THANH II INDUSTRIAL ZONE, MAO DIEN COMMUNE, THUAN THANH DISTRICT, BACNINH, VIETNAM

Trade Mark : Verizon

EUT : 10 Watt Single Coil Wireless Charger

Model No. : WC10WSTNDGGL-AL

Power Supply : DC 9V,2.4A from adapter

**Measurement Procedure Used:**


FCC Rules and Regulations Part 18 Subpart C  
MP-5: 1986

The device described above is tested by Dong Guan Anci Electronic Technology 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 measurement results are contained in this test report and Dong Guan Anci Electronic Technology Co., Ltd. is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Dong Guan Anci Electronic Technology Co., Ltd.

Date of Test : Mar. 03, 2020 to Mar. 06, 2020

Prepared by :   
Tomas Yang/Supervisor

Approved & Authorized Signer :   
Alan He/Manager



### Modified Information

Version	Report No.	Revision Data	Summary
Ver.1.0	EA2002073F 01001	/	Original Version

## 1. SUMMARY OF TEST RESULTS

<b>EMISSION</b>		
Description of Test Item	Standard & Limits	Results
Conducted Disturbance at Mains Terminals	FCC Part 18 Subpart C FCC OST MP-5: 2015	Pass
Radiated Disturbance	FCC Part 18 Subpart C FCC OST MP-5: 2015	Pass

Note: N/A is an abbreviation for Not Applicable.

## 2. GENERAL INFORMATION

### 2.1. Description of Device (EUT)

EUT	:	10 Watt Single Coil Wireless Charger
Model Number	:	WC10WSTNDGGL-AL
Test Voltage	:	AC 120V 60Hz for Adapter
Adapter Information	:	Model:580245A089 Input:100-240V~500mA,50/60Hz Output:DC 5V,3A, DC 9V, 2A ,DC 12V, 1.5A
Operating Frequency	:	110-205KHz
Modulation Technique	:	ASK
Max Wireless output power	:	10W
Operation Mode	:	Wireless Charging(5W), Wireless Charging(10W)
Applicant	:	Shenzhen PYS Industrial Co., LTD
Address	:	(1st to 12th floors)101-1201,Block 9, Lianhua Industry Zone,LongHua District, Shenzhen city
Manufacturer 1.	:	Shenzhen PYS Industrial Co., LTD
Address	:	(1st to 12th floors)101-1201,Block 9, Lianhua Industry Zone,LongHua District, Shenzhen city
Manufacturer 2.	:	PYS VIETNAM TECHNOLOGY COMPANY LIMITED
Address	:	Lot CN-06,THUAN THANH II INDUSTRIAL ZONE, MAO DIEN COMMUNE, THUAN THANH DISTRICT, BACNINH, VIETNAM
Date of Received	:	Mar. 03, 2020
Date of Test	:	Mar. 03, 2020 to Mar. 06, 2020

## 2.2. Input / Output Ports

Port #	Name	Type*	Cable Max. >3m	Cable Shielded	Comments
0	Power Input Port	I/O	--	--	1 Port
1	USB Port	I/O	--	--	1 Port

\* Note: Use abbreviations:

AC= AC Power Port

DC= DC Power Port

N/E= Non-Electrical

I/O= Signal Input or Output Port (Not Involved in Process Control)

TP= Telecommunication Ports

## 2.3. Independent Operation Modes

Wireless Charging

## 2.4. Test Manner

Test Items	Test Voltage	Operation Modes	Worst case
Conducted Emission	AC120V/60Hz	Wireless Charging	N/A
Radiated Emission	AC120V/60Hz	Wireless Charging	N/A

## 2.5. Description of Test Facility

Site Description

EMC Lab.

: Accredited by CNAS, 2017.06.26

The certificate is valid until 2022.10.28

The Laboratory has been assessed and proved to be in compliance with CNAS-CL01:2006 (identical to ISO/IEC 17025:2005)

The Certificate Registration Number is L0468.

Accredited by A2LA, 2018.03.15

The Certificate Number is 4422.01.

Name of Firm

: Dong Guan Anci Electronic Technology Co., Ltd.

Site Location

: Bldg 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China.

## 2.6. Test Software

Item Software  
 Conducted Disturbance at : EZ-EMC Ver:ANCI-3A1  
 Mains Terminals  
  
 Radiated Disturbance : EZ-EMC Ver:ANCI-3A1

## 2.7. Description of Support Device

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
1.	iPhone	Apple Inc.	A1387	N/A	N/A
2.	Adapter	N/A	580245A087	N/A	N/A
3.	Wireless Charging Receiver Module	Universal	N/A	N/A	N/A
4.	SAMSUNG S9	SAMSUNG	Samsung Galaxy S9	N/A	N/A

## 2.8. Measurement Uncertainty

Test Item Uncertainty  
 Conducted Emission Uncertainty : 2.96dB(9k~150kHz Conduction 1#)  
 2.74dB(150k-30MHz Conduction 1#)  
  
 Radiated Emission Uncertainty : 3.78dB (30M~1GHz Polarize: H)  
 (3m Chamber) 4.27dB (30M~1GHz Polarize: V)



### 3. MEASURING DEVICE AND TEST EQUIPMENT

#### 3.1. For Power Line Conducted Emission Measurement

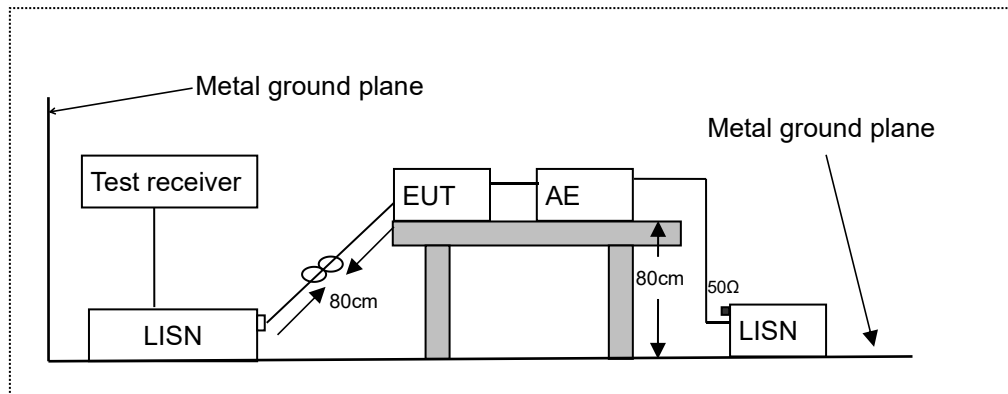
Item	EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	Calibrated until
1.	L.I.S.N	SCHWARZBECK	NSLK 8127	8127-669	2020-05-19
2.	10 db attenuator	JFW	50FP-010-H4	4360846-427-1	2020-05-19
3.	RF Cable	N/A	N/A	2#	2020-05-19
4.	EMI Test Receiver	ROHDE&SCHWARZ	ESCI	101358	2020-05-19

#### 3.2. For Radiated Emission Measurement

Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
5.	EMI Test Receiver	Rohde & Schwarz	ESPI	100502	2020-11-29
6.	Pre-Amplifier	HP	8447D	2727A06172	2020-05-19
7.	Bilog Antenna	Schwarzbeck	VULB9163	VULB9163-588	2020-05-19
8.	Loop Antenna	Schwarzbeck	FMZB 1516	1516-141	2020-05-19
9.	RF Cable	Gigalink Microwave	ZT40-2.92J-2.92 J-2m	N/A	2020-03-12
10.	RF Cable	Gigalink Microwave	ZT40-2.92J-2.92 J-0.3m	N/A	2020-03-12
11.	RF Cable	N/A	N/A	6#	2020-05-19
12.	3m Semi-anechoic Chamber	chengyu	9m*6m*6m	N/A	2020-05-19
13.	Test Software	Farad	EZ-EMC Ver:ANCI-3A1	N/A	N/A

## 4. POWER LINE CONDUCTED EMISSION MEASUREMENT

### 4.1. Block Diagram of Test Setup



LISN: Line Impedance Stabilization Network  
 AE: Associated equipment  
 EUT: Equipment under test

### 4.2. Measuring Standard

FCC Part 18 and MP-5

### 4.3. Power Line Conducted Emission Limits

All induction cooking ranges and ultrasonic equipment:

Frequency range (MHz)	Limit dB(uV)	
	Quasi-peak	Average
0.09-0.05	110	---
0.05-0.15	90-80*	---
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

Remark: \* Decreases with the logarithm of the frequency.  
 In the above table, the tighter limit applies at the band edges.

■ All other part 18 consumer devices:

Frequency range (MHz)	Limit dB(uV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

Remark: \* Decreases with the logarithm of the frequency.  
In the above table, the tighter limit applies at the band edges.

☒ RF lighting devices:

Frequency range (MHz)	Maximum RF line voltage measured with a 50 uH/50 ohm LISN(uV)
0.45-1.6	1000
1.6-30	3000
Consumer equipment	
0.45-2.51	250
2.51-3.0	3000
3.0-30	250

#### 4.4. EUT Configuration on Measurement

The following equipments are installed on Conducted Emission Measurement to meet FCC requirements and operating in a manner which tends to maximize its emission characteristics in a normal application.

EUT : 10 Watt Single Coil Wireless Charger  
Model Number : WC10WSTNDGGL-AL

#### 4.5. Operating Condition of EUT

- 4.5.1. Setup the EUT as shown on Section 4.1.
- 4.5.2. Turn on the power of all equipment.
- 4.5.3. Let the EUT work in measuring mode ( Wireless Charging) and measure it.

#### 4.6. Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and connected to the AC mains through Line Impedance Stability Network (L.I.S.N). This provided a 50ohm coupling impedance for the tested equipments. Both sides of AC line are investigated to find out the maximum conducted emission according to the FCC regulations during conducted emission measurement.

The bandwidth of the Test Receiver is set at 9kHz in 150kHz~30MHz and 200Hz in 9kHz~150kHz.

The frequency range from 9kHz to 30MHz is investigated.

Test results were obtained from the following equation:

Emission Level (dB $\mu$ V) = LISN Factor (dB) + Cable Loss (dB) + Reading (dB $\mu$ V)

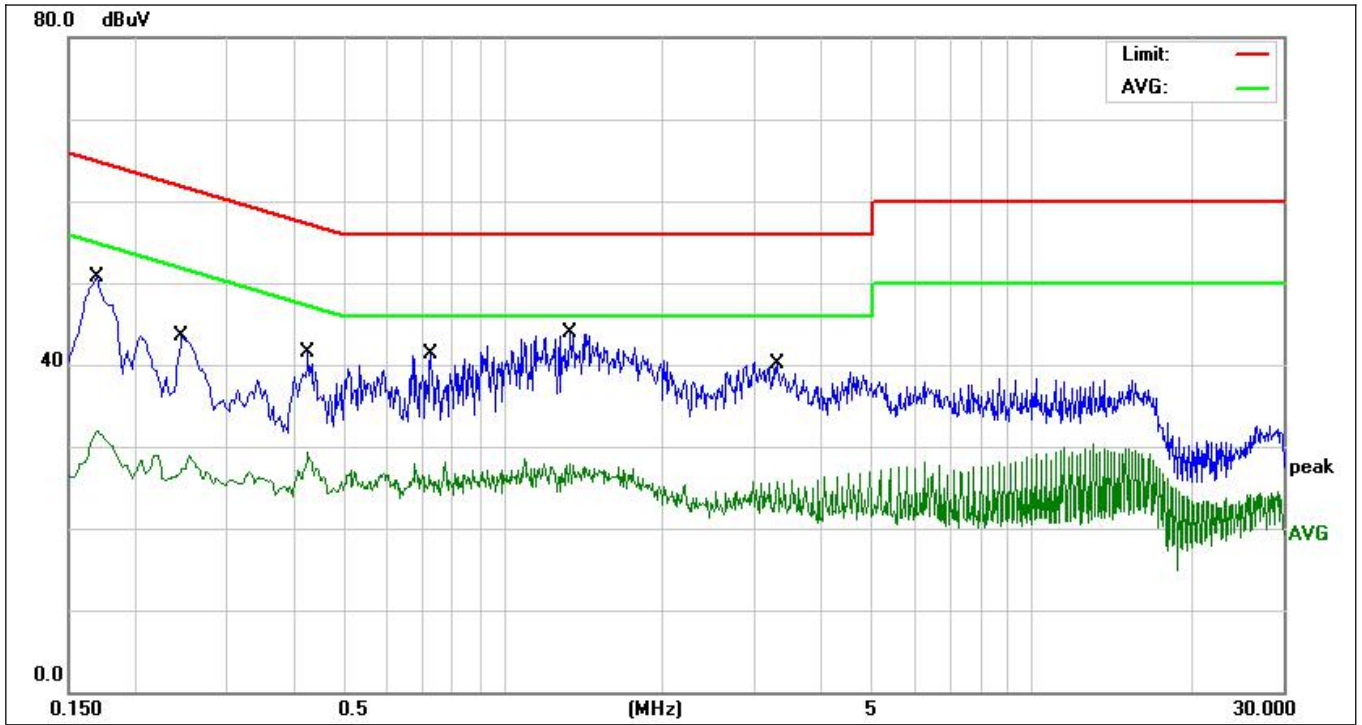
Margin (dB) = Emission Level (dB $\mu$ V) - Limit (dB $\mu$ V)

All the scanning waveform is put in the following pages.

#### 4.7. Measuring Results

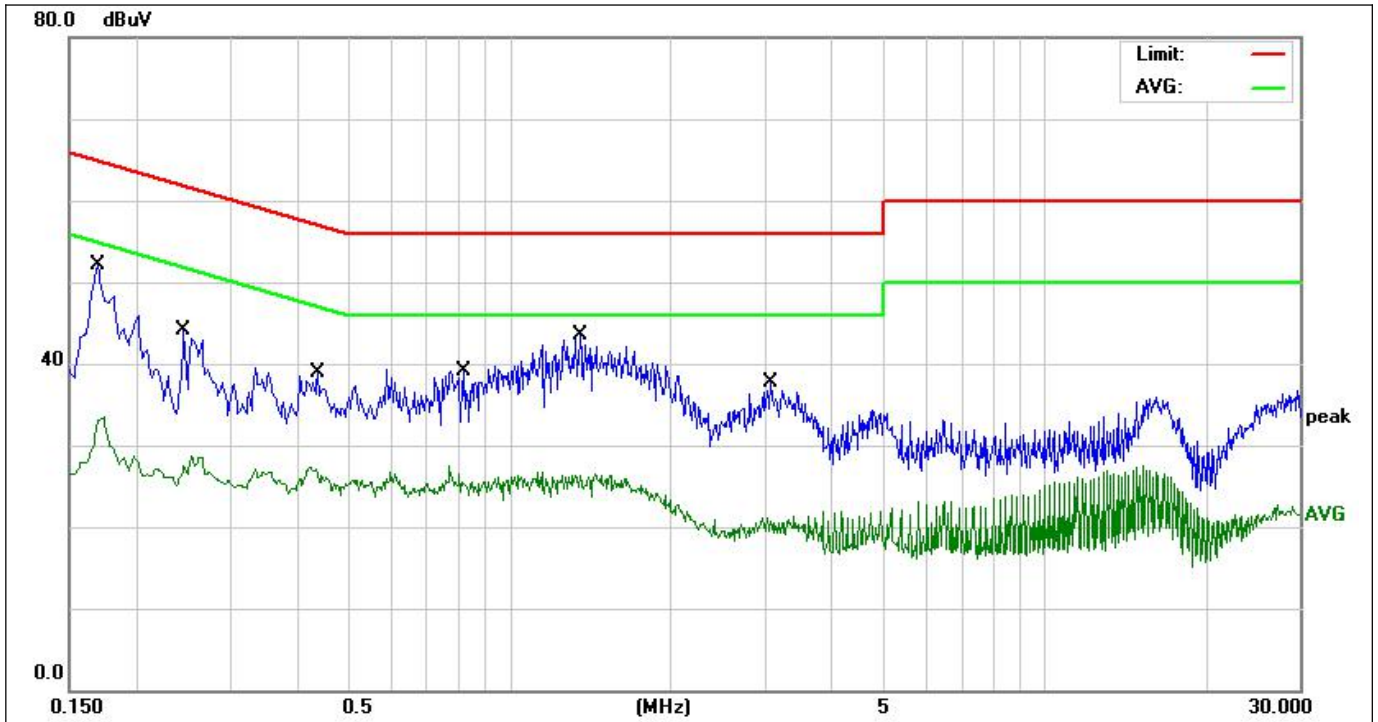
**Pass.**

Please refer to following pages.



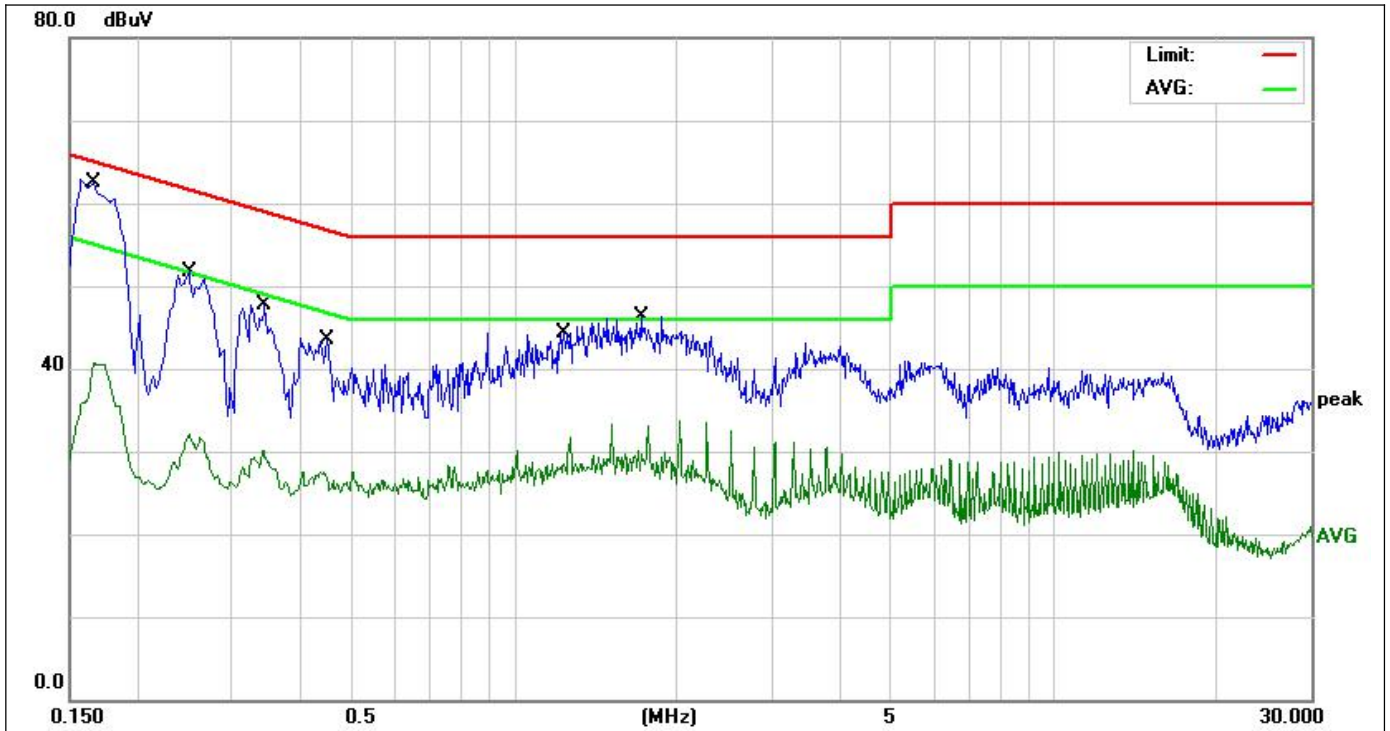
<b>Site:</b>	<b>843</b>	<b>Phase:</b>	<b>L1</b>	<b>Temperature(C):</b>	<b>26(C)</b>
<b>Limit:</b>	<b>FCC Part 18 C Conduction(QP)</b>			<b>Humidity(%):</b>	<b>60%</b>
<b>EUT:</b>	<b>10 Watt Single Coil Wireless Charger</b>	<b>Test Time:</b>			<b>2020/03/04 14:21:03</b>
<b>M/N.:</b>	<b>WC10WSTNDGGL-AL</b>	<b>Power Rating:</b>			<b>AC 120V/60Hz</b>
<b>Mode:</b>	<b>Wireless Charging 5W</b>	<b>Test Engineer:</b>			<b>Jack</b>
<b>Note:</b>					

No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV)	Limit (dBuV)	Over (dB)	Detector	Comment
1	0.1700	27.89	9.75	37.64	64.96	-27.32	QP	
2	0.1700	17.76	9.75	27.51	54.96	-27.45	AVG	
3	0.5620	30.55	9.80	40.35	56.00	-15.65	QP	
4 *	0.5620	23.88	9.80	33.68	46.00	-12.32	AVG	
5	0.5940	29.41	9.80	39.21	56.00	-16.79	QP	
6	0.5940	22.61	9.80	32.41	46.00	-13.59	AVG	
7	1.1260	25.09	9.81	34.90	56.00	-21.10	QP	
8	1.1260	14.71	9.81	24.52	46.00	-21.48	AVG	
9	1.5420	23.29	9.83	33.12	56.00	-22.88	QP	
10	1.5420	14.36	9.83	24.19	46.00	-21.81	AVG	
11	2.9219	22.01	9.94	31.95	56.00	-24.05	QP	
12	2.9219	15.72	9.94	25.66	46.00	-20.34	AVG	



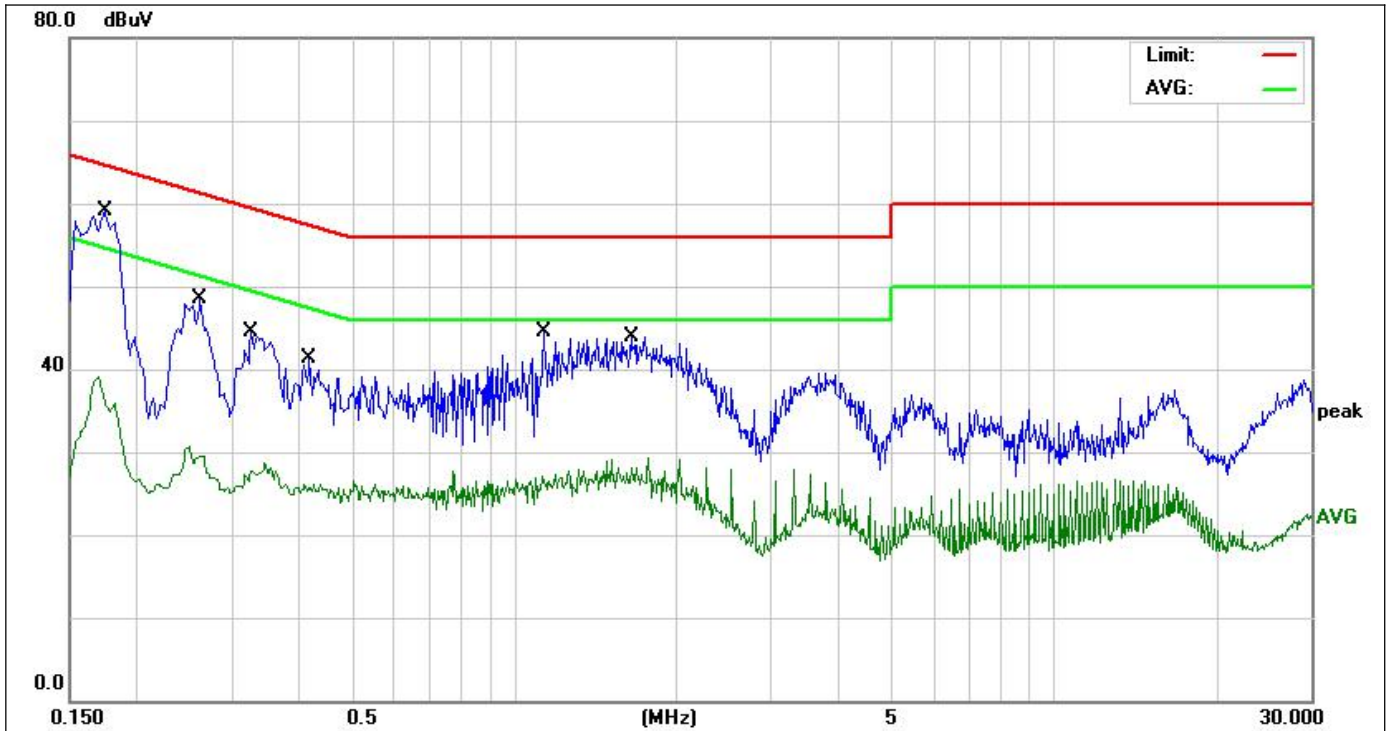
<b>Site:</b>	<b>843</b>	<b>Phase:</b>	<b>N</b>	<b>Temperature(C):</b>	<b>26(C)</b>
<b>Limit:</b>	<b>FCC Part 18 C Conduction(QP)</b>			<b>Humidity(%):</b>	<b>60%</b>
<b>EUT:</b>	<b>10 Watt Single Coil Wireless Charger</b>	<b>Test Time:</b>		<b>2020/03/04 14:18:52</b>	
<b>M/N.:</b>	<b>WC10WSTNDGGL-AL</b>	<b>Power Rating:</b>		<b>AC 120V/60Hz</b>	
<b>Mode:</b>	<b>Wireless Charging 5W</b>	<b>Test Engineer:</b>		<b>Jack</b>	
<b>Note:</b>					

No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV)	Limit (dBuV)	Over (dB)	Detector	Comment
1 *	0.1700	35.91	9.75	45.66	64.96	-19.30	QP	
2	0.1700	21.30	9.75	31.05	54.96	-23.91	AVG	
3	0.2460	25.69	9.79	35.48	61.89	-26.41	QP	
4	0.2460	16.80	9.79	26.59	51.89	-25.30	AVG	
5	0.4380	23.41	9.80	33.21	57.10	-23.89	QP	
6	0.4380	16.64	9.80	26.44	47.10	-20.66	AVG	
7	0.8220	22.60	9.82	32.42	56.00	-23.58	QP	
8	0.8220	14.87	9.82	24.69	46.00	-21.31	AVG	
9	1.3580	25.86	9.82	35.68	56.00	-20.32	QP	
10	1.3580	15.52	9.82	25.34	46.00	-20.66	AVG	
11	3.0820	20.36	9.94	30.30	56.00	-25.70	QP	
12	3.0820	9.86	9.94	19.80	46.00	-26.20	AVG	



Site:	843	Phase:	L1	Temperature(C):	26(C)
Limit:	FCC Part 18 C Conduction(QP)	Test Time:	2020/03/04 14:11:23	Humidity(%):	60%
EUT:	10 Watt Single Coil Wireless Charger	Power Rating:	AC 120V/60Hz	Test Engineer:	Jack
M/N.:	WC10WSTNDGGL-AL				
Mode:	Wireless Charging 10W				
Note:					

No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV)	Limit (dBuV)	Over (dB)	Detector	Comment
1 *	0.1660	45.82	9.74	55.56	65.15	-9.59	QP	
2	0.1660	27.65	9.74	37.39	55.15	-17.76	AVG	
3	0.2500	34.76	9.79	44.55	61.75	-17.20	QP	
4	0.2500	20.73	9.79	30.52	51.75	-21.23	AVG	
5	0.3460	29.08	9.80	38.88	59.06	-20.18	QP	
6	0.3460	18.11	9.80	27.91	49.06	-21.15	AVG	
7	0.4500	23.42	9.79	33.21	56.87	-23.66	QP	
8	0.4500	15.89	9.79	25.68	46.87	-21.19	AVG	
9	1.2420	28.05	9.81	37.86	56.00	-18.14	QP	
10	1.2420	17.57	9.81	27.38	46.00	-18.62	AVG	
11	1.7220	29.22	9.85	39.07	56.00	-16.93	QP	
12	1.7220	17.66	9.85	27.51	46.00	-18.49	AVG	



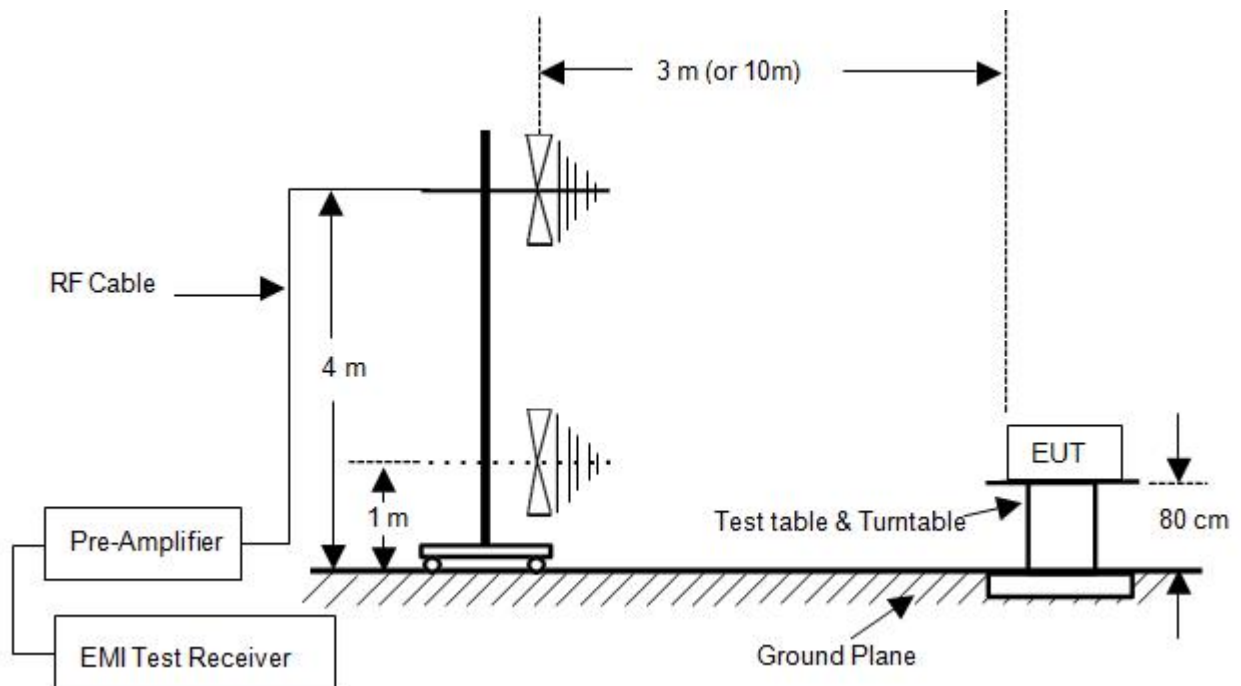
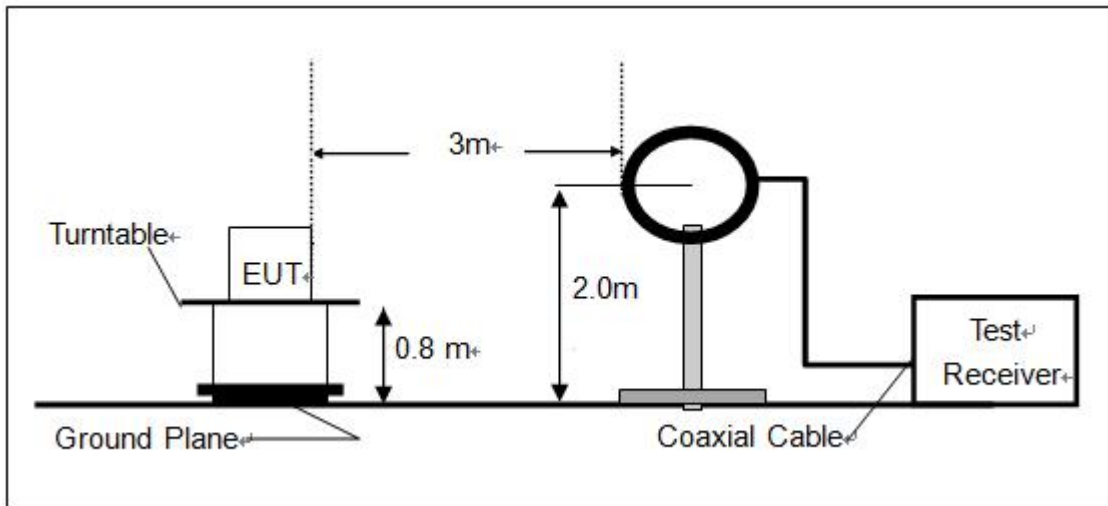
Site:	843	Phase:	N	Temperature(C):	26(C)
Limit:	FCC Part 18 C Conduction(QP)	Test Time:	2020/03/04 14:08:44	Humidity(%):	60%
EUT:	10 Watt Single Coil Wireless Charger	Power Rating:	AC 120V/60Hz	Test Engineer:	Jack
M/N.:	WC10WSTNDGGL-AL				
Mode:	Wireless Charging 10W				
Note:					

No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV)	Limit (dBuV)	Over (dB)	Detector	Comment
1 *	0.1740	43.41	9.75	53.16	64.76	-11.60	QP	
2	0.1740	26.00	9.75	35.75	54.76	-19.01	AVG	
3	0.2620	32.11	9.79	41.90	61.36	-19.46	QP	
4	0.2620	18.90	9.79	28.69	51.36	-22.67	AVG	
5	0.3260	28.41	9.80	38.21	59.55	-21.34	QP	
6	0.3260	17.19	9.80	26.99	49.55	-22.56	AVG	
7	0.4180	23.94	9.80	33.74	57.49	-23.75	QP	
8	0.4180	15.70	9.80	25.50	47.49	-21.99	AVG	
9	1.1380	26.19	9.81	36.00	56.00	-20.00	QP	
10	1.1380	16.10	9.81	25.91	46.00	-20.09	AVG	
11	1.6460	27.29	9.85	37.14	56.00	-18.86	QP	
12	1.6460	16.41	9.85	26.26	46.00	-19.74	AVG	



## 5. RADIATED EMISSION MEASUREMENT

### 5.1. Block Diagram of Test Setup



### 5.2. Measuring frequency range

Frequency band in which device operates (MHz)	Range of frequency measurements	
	Lowest frequency	Highest frequency
Below 1.705 .....	Lowest frequency generated in the device, but not lower than 9 kHz.	30 MHz.
1.705 to 30 .....	Lowest frequency generated in the device, but not lower than 9 kHz.	400 MHz.
30 to 500 .....	Lowest frequency generated in the device or 25 MHz, whichever is lower.	Tenth harmonic or 1,000 MHz, whichever is higher.
500 to 1,000 .....	Lowest frequency generated in the device or 100 MHz, whichever is lower.	Tenth harmonic.
Above 1,000 .....	.....do .....	Tenth harmonic or highest detectable emission.

Remark: 1.The operates frequency of 10 Watt Single Coil Wireless Charger is more than 1.705MHz, so the test frequency range is 9KHz to 1000MHz.

### 5.3. Radiated Emission Limits

■ Table 1

Equipment	Operating frequency	RF Power generated by equipment (watts)	Field strength limit (uV/m)	Distance (meters)
■ Any type unless otherwise specified (miscellaneous)	Any ISM frequency	Below 500 500 or more	25 25 x SQRT (power/500)	300 (1)300
	Any NON-ISM frequency	Below 500 500 or more	15 15 x SQRT (power/500)	300 (1)300
<input type="checkbox"/> Industrial heaters and RF stabilized arc welders	On or below 5,725 MHz Above 5,725 MHz	Any Any	10 (2)	1600 (2)
<input type="checkbox"/> Medical diathermy	Any ISM frequency Any non- ISM frequency	Any Any	25 15	300 300
<input type="checkbox"/> Ultrasonic	Below 490 kHz	Below 500 500 or more	2,400/F(kHz) 2,400/F(kHz)x SQRT(power/500)	300 (3)300
	490 to 1,600 kHz Above 1,600 kHz	Any Any	2,400/F(kHz) 15	30 30
<input type="checkbox"/> Induction cooking ranges	Below 90 kHz	Any	1,500	(4)30
	On or above 90 kHz	Any	300	(4)30

- (1) Field strength may not exceed 10 μV/m at 1600 meters. Consumer equipment operating below 1000 MHz is not permitted the increase in field strength otherwise permitted here for power over 500 watts.
- (2) Reduced to the greatest extent possible.
- (3) Field strength may not exceed 10 μV/m at 1600 meters. Consumer equipment is not permitted the increase in field strength otherwise permitted here for over 500 watts.
- (4) Induction cooking ranges manufactured prior to February 1, 1980, shall be subject to the field strength limits for miscellaneous ISM equipment.

Note : The field strength limit and distance shown in the following Table 2 are the conversion of the requirement in Table 1.

Table 2

Equipment	Operating frequency	RF Power generated by equipment (watts)	Field strength limit (dBuV/m)	Distance (meters)
Any type unless otherwise specified (miscellaneous)	Any ISM frequency	Below 500	57.5	10

The for RF lighting devices field strength limits

Frequency (MHz)	Field strength limit at 30 meters (µV/m)
<b>Non-consumer equipment:</b>	
30-88	30
88-216	50
216-1000	70
<b>Consumer equipment:</b>	
30-88	10
88-216	15
216-1000	20

Notes: The tighter limit shall apply at the boundary between two frequency ranges.

### 5.4. EUT Configuration on Measurement

The FCC Class B regulations test method must be used to find the maximum emission during radiated emission measurement.

EUT : 10 Watt Single Coil Wireless Charger  
 Model Number : WC10WSTNDGGL-AL

### 5.5. Operating Condition of EUT

- 5.5.1. Setup the EUT as shown on Section 5.1.
- 5.5.2. Turn on the power of all equipment.
- 5.5.3. Let the EUT work in measuring mode (Wireless Charging) and measure it.

### 5.6. Test Procedure

The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna (loop antenna). The Antenna should be positioned with its plane vertical at the specified distance from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. The center of the loop shall be 2 m above the ground. For certain applications, the loop antenna plane may also need to be positioned horizontally at the specified distance from the EUT.

200Hz for measurements below 150 kHz  
 9 kHz for measurements from 150 kHz to 30MHz  
 100 kHz for measurements from 30MHz to 1000MHz

$$\text{Emission Level (dB}\mu\text{V)} = \text{Antenna Factor (dB)} + \text{Cable Loss (dB)} + \text{Reading (dB}\mu\text{V)}$$

$$\text{Margin (dB)} = \text{Emission Level (dB}\mu\text{V)} - \text{Limit (dB}\mu\text{V)}$$

The worst scanning curves are attached in following pages.

## 5.7. Measuring Results

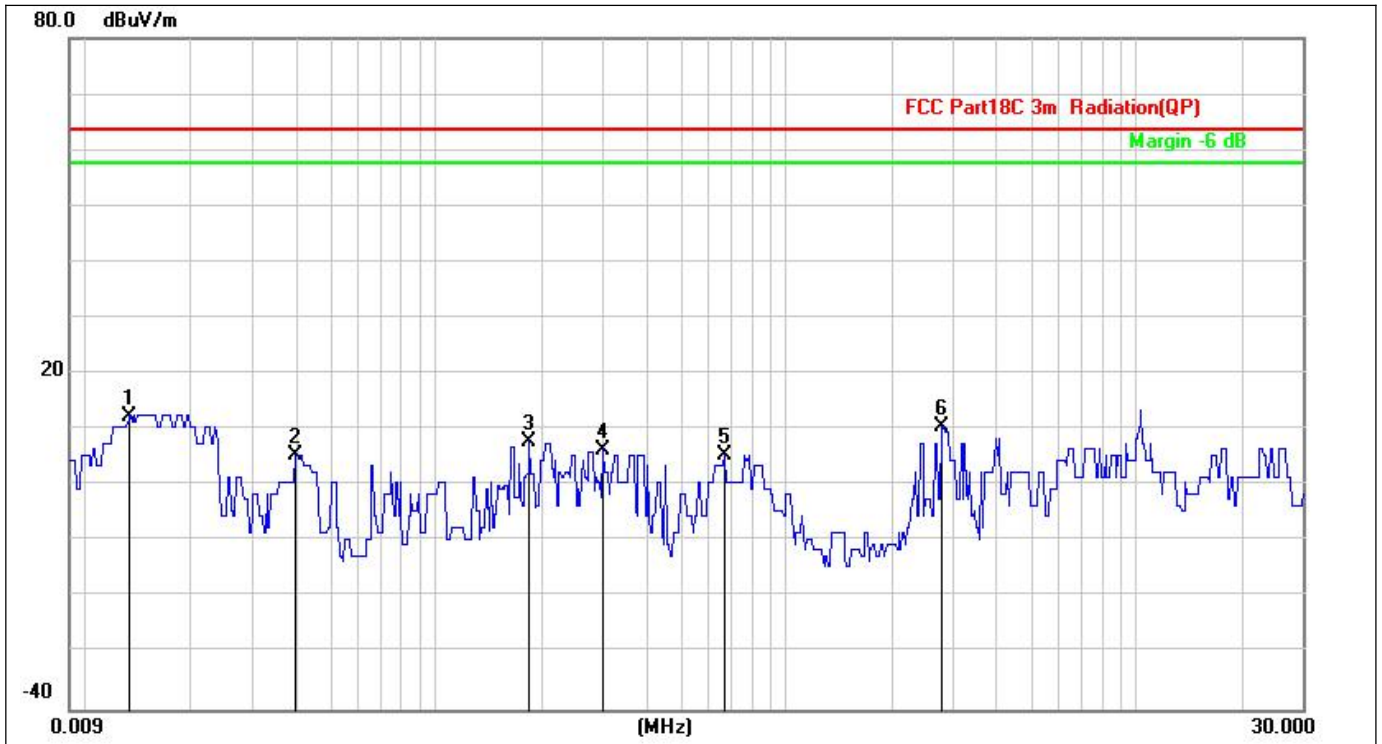
**PASS.**

The frequency range from 9KHz to 1000MHz is investigated.

Peak for pre-scan, Average for the final result.

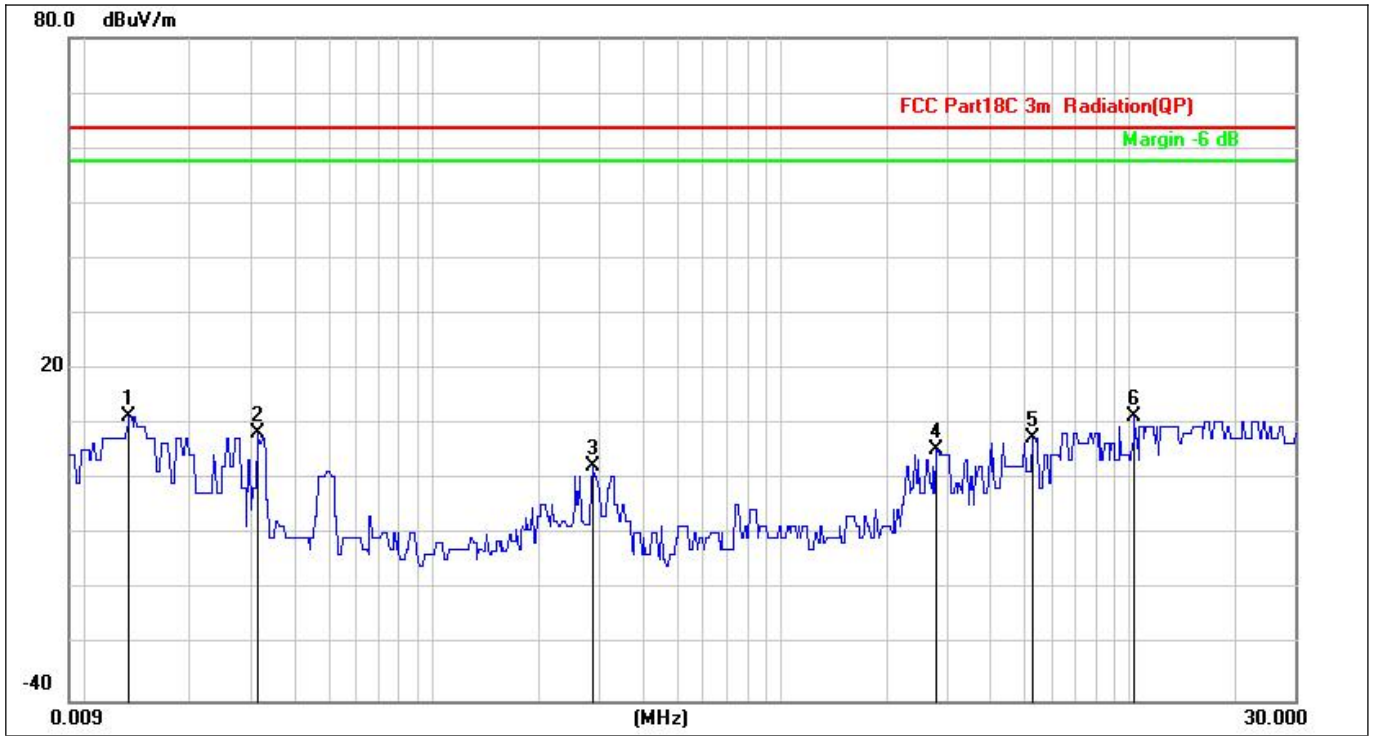
Please refer to following pages.

**Test mode: Wireless Charging 5W**



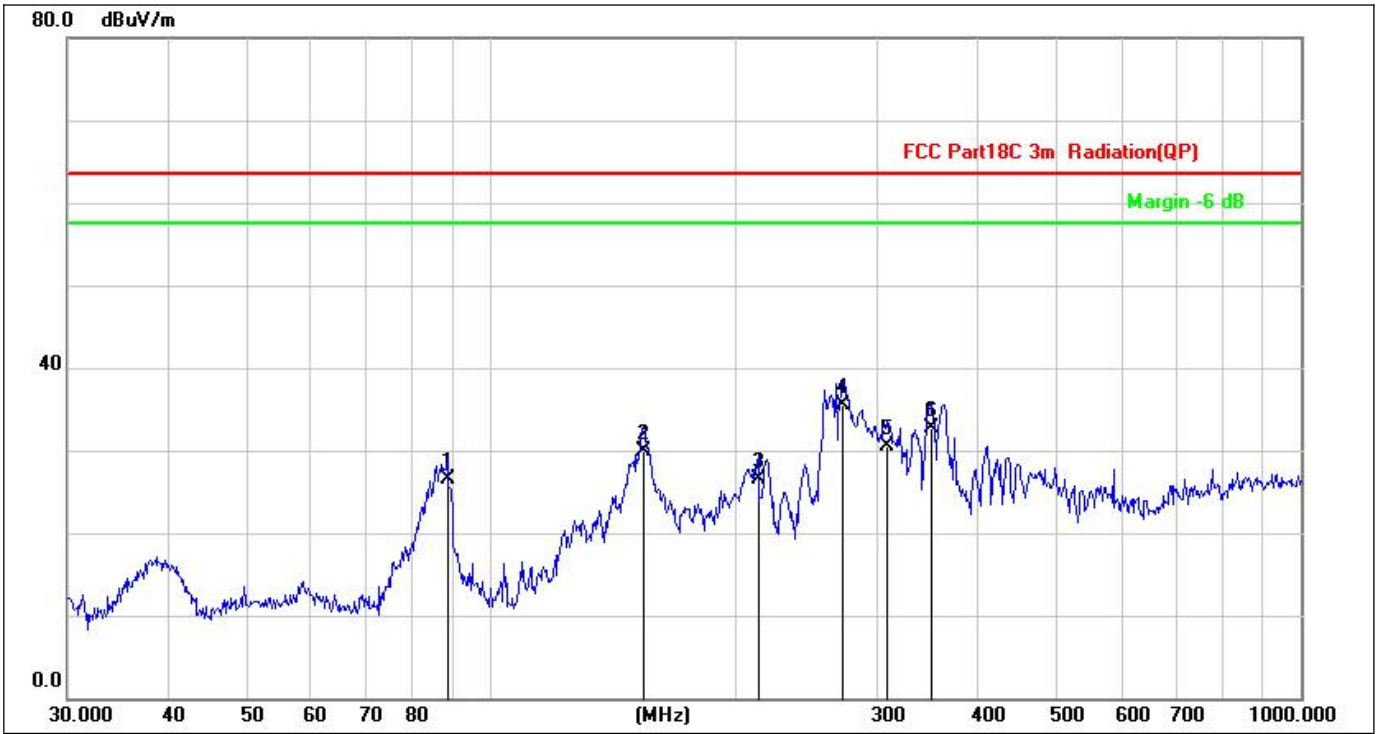
<b>Site:</b>	LAB	<b>Antenna::</b>	Horizontal	<b>Temperature(C):</b>	24.2(C)
<b>Limit:</b>	FCC Part18C 3m Radiation(QP)	<b>Test Time:</b>		<b>Humidity(%):</b>	53.6%
<b>EUT:</b>	10 Watt Single Coil Wireless Charger	<b>Power Rating:</b>		<b>Test Engineer:</b>	sunshine
<b>M/N.:</b>	WC10WSTNDGGL-AL				
<b>Mode:</b>	Wireless Charging 5W				
<b>Note:</b>					

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1 *	0.0134	12.47	0.03	12.50	63.50	-51.00	QP			
2	0.0396	5.47	0.03	5.50	63.50	-58.00	QP			
3	0.1853	38.08	-30.08	8.00	63.50	-55.50	QP			
4	0.2993	36.34	-29.84	6.50	63.50	-57.00	QP			
5	0.6682	35.10	-29.60	5.50	63.50	-58.00	QP			
6	2.7856	39.70	-29.20	10.50	63.50	-53.00	QP			



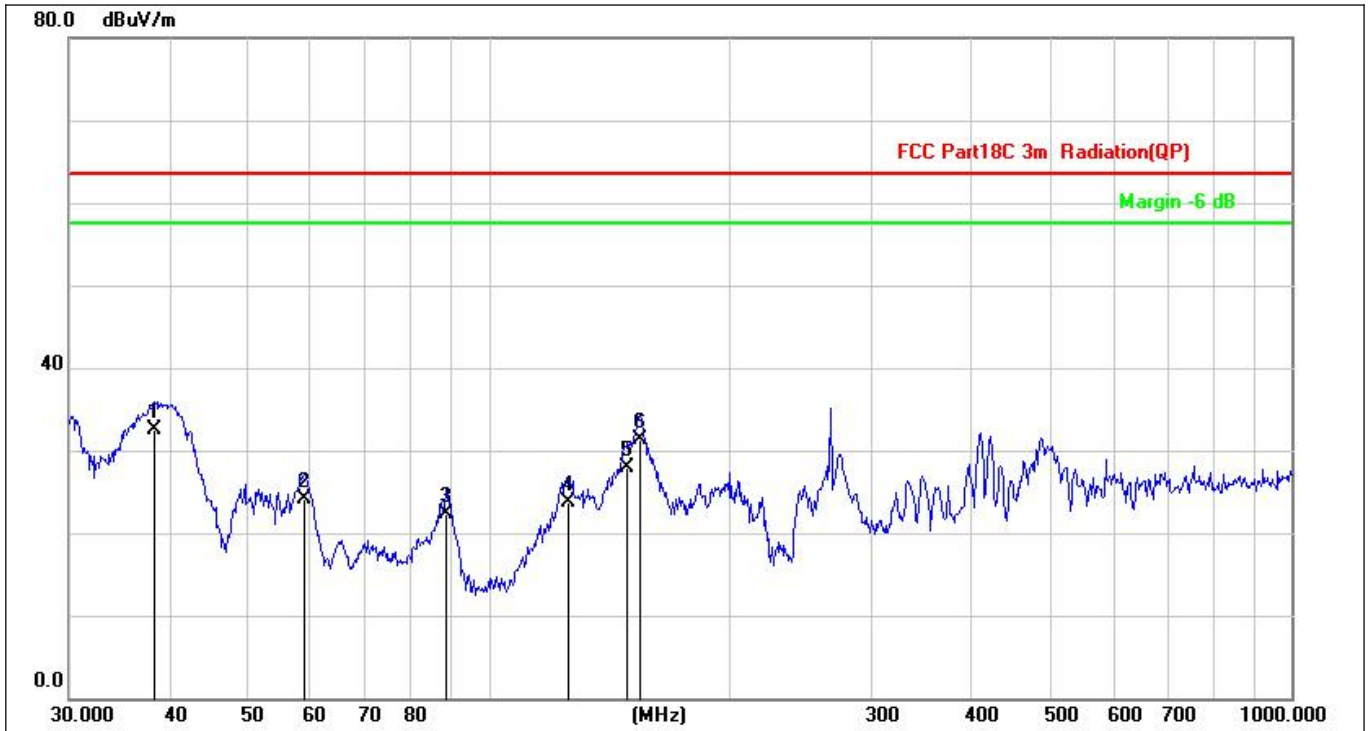
<b>Site:</b>	<b>LAB</b>	<b>Antenna::Vertical</b>	<b>Temperature(C):24.2(C)</b>
<b>Limit:</b>	<b>FCC Part18C 3m Radiation(QP)</b>		<b>Humidity(%):53.6%</b>
<b>EUT:</b>	<b>10 Watt Single Coil Wireless Charger</b>	<b>Test Time:</b>	<b>2020/03/04 22:22:24</b>
<b>M/N.:</b>	<b>WC10WSTNDGGL-AL</b>	<b>Power Rating:</b>	<b>AC 120V/60Hz</b>
<b>Mode:</b>	<b>Wireless Charging 5W</b>	<b>Test Engineer:</b>	<b>sunshine</b>
<b>Note:</b>			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1 *	0.0134	11.47	0.03	11.50	63.50	-52.00	QP			
2	0.0313	8.47	0.03	8.50	63.50	-55.00	QP			
3	0.2872	32.36	-29.86	2.50	63.50	-61.00	QP			
4	2.7856	34.70	-29.20	5.50	63.50	-58.00	QP			
5	5.2872	36.39	-28.89	7.50	63.50	-56.00	QP			
6	10.3663	40.05	-28.55	11.50	63.50	-52.00	QP			



Site:	LAB	Antenna::Horizontal	Temperature(C):24.2(C)
Limit:	FCC Part18C 3m Radiation(QP)		Humidity(%):53.6%
EUT:	10 Watt Single Coil Wireless Charger	Test Time:	2020/03/04 22:19:59
M/N.:	WC10WSTNDGGL-AL	Power Rating:	AC 120V/60Hz
Mode:	Wireless Charging 5W	Test Engineer:	sunshine
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	88.3421	45.75	-19.17	26.58	63.50	-36.92	QP			
2	154.2786	49.37	-19.45	29.92	63.50	-33.58	QP			
3	213.7634	42.94	-16.49	26.45	63.50	-37.05	QP			
4 *	272.2776	49.84	-14.39	35.45	63.50	-28.05	QP			
5	308.9126	44.17	-13.57	30.60	63.50	-32.90	QP			
6	349.2500	44.71	-11.92	32.79	63.50	-30.71	QP			

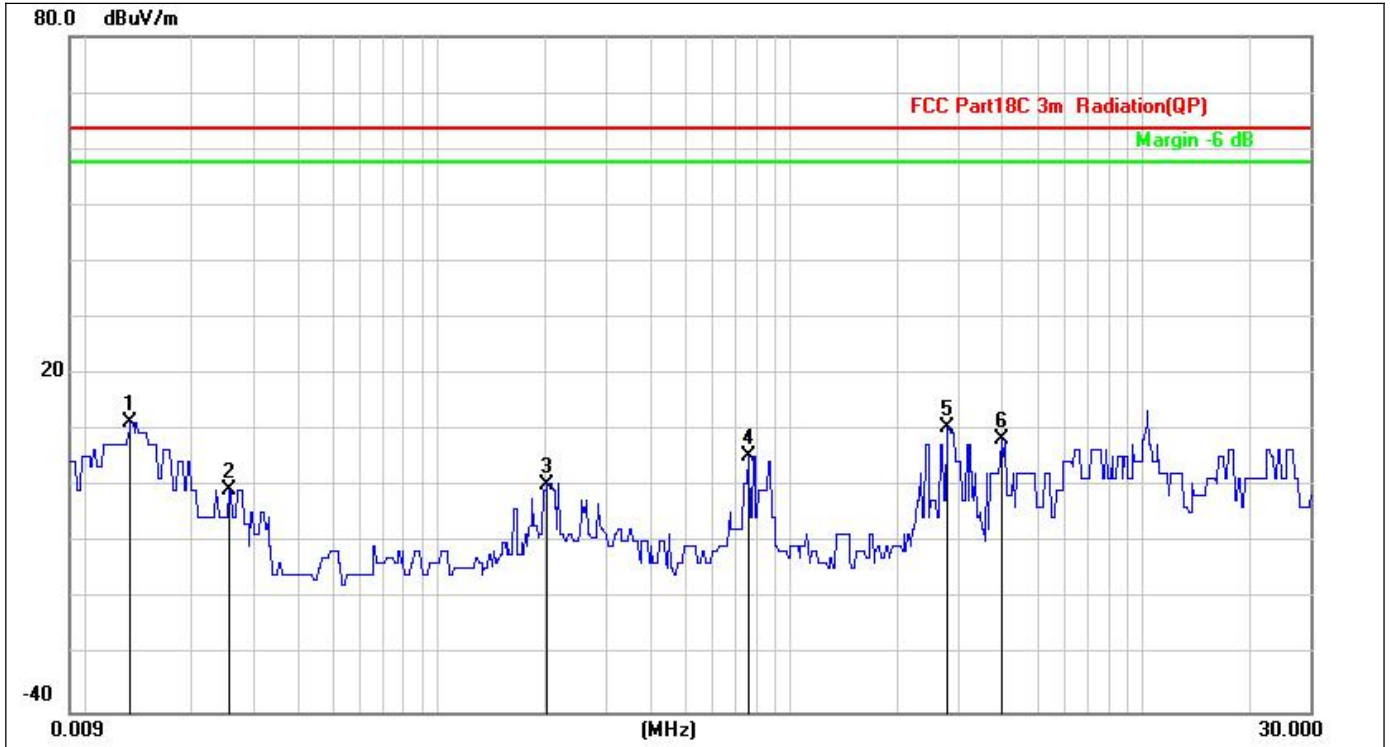


<b>Site:</b>	LAB	<b>Antenna::</b>	Vertical	<b>Temperature(C):</b>	24.2(C)
<b>Limit:</b>	FCC Part18C 3m Radiation(QP)	<b>Test Time:</b>		<b>Humidity(%):</b>	53.6%
<b>EUT:</b>	10 Watt Single Coil Wireless Charger	<b>Power Rating:</b>		<b>Test Engineer:</b>	sunshine
<b>M/N.:</b>	WC10WSTNDGGL-AL				
<b>Mode:</b>	Wireless Charging 5W				
<b>Note:</b>					

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1 *	38.3462	49.75	-17.17	32.58	63.50	-30.92	QP			
2	59.0251	40.12	-15.96	24.16	63.50	-39.34	QP			
3	88.6524	41.45	-19.19	22.26	63.50	-41.24	QP			
4	125.8863	42.32	-18.70	23.62	63.50	-39.88	QP			
5	148.9625	47.59	-19.73	27.86	63.50	-35.64	QP			
6	154.2786	50.70	-19.45	31.25	63.50	-32.25	QP			

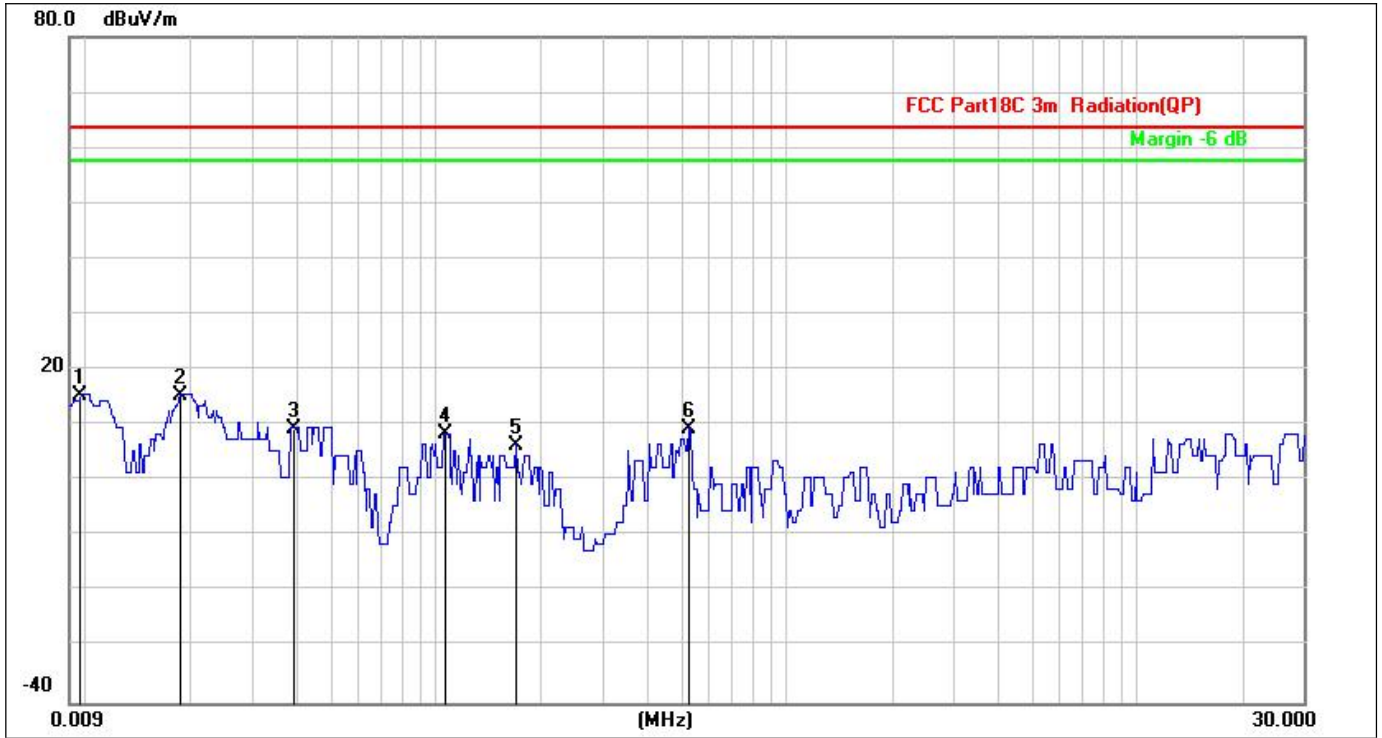


**Test mode: Wireless Charging 10W**



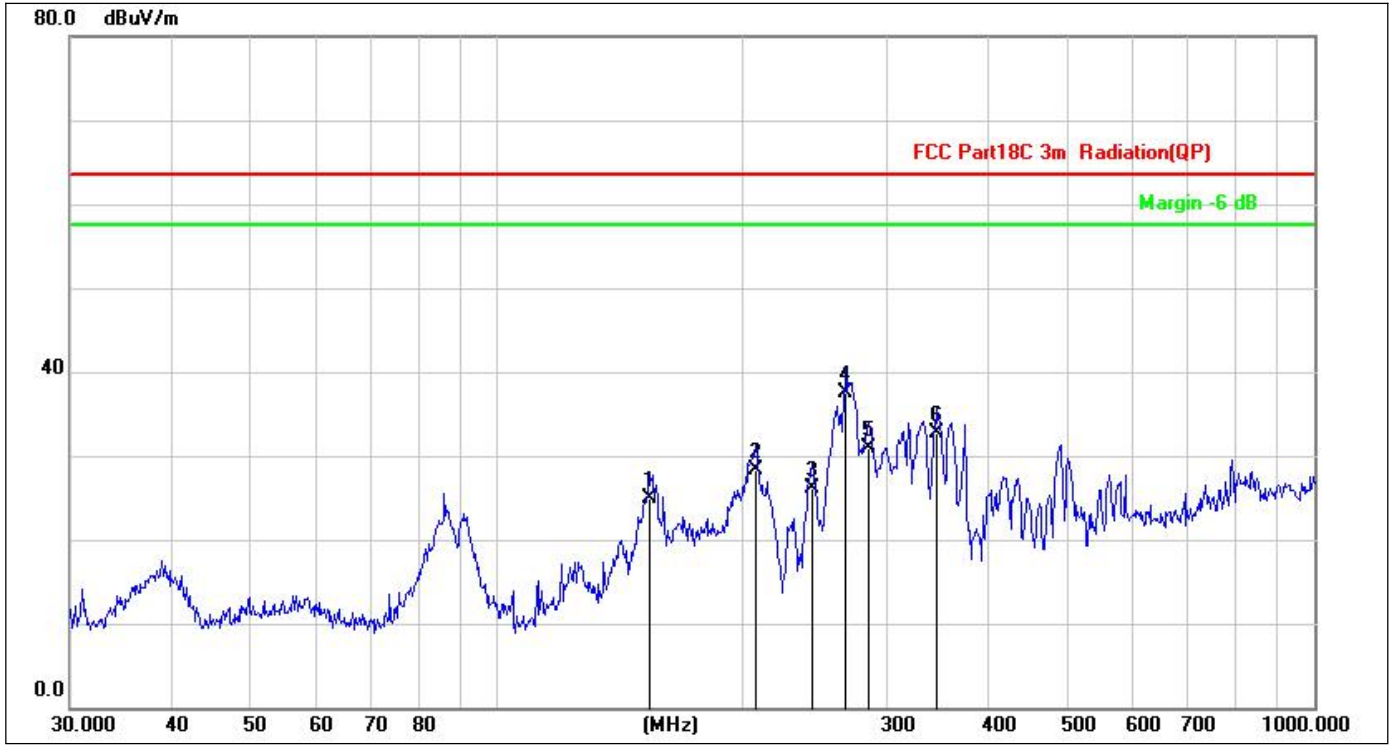
<b>Site:</b>	LAB	<b>Antenna::</b>	Horizontal	<b>Temperature(C):</b>	24.2(C)
<b>Limit:</b>	FCC Part18C 3m Radiation(QP)	<b>Test Time:</b>		<b>Humidity(%):</b>	53.6%
<b>EUT:</b>	10 Watt Single Coil Wireless Charger	<b>Power Rating:</b>			AC 120V/60Hz
<b>M/N.:</b>	WC10WSTNDGGL-AL	<b>Test Engineer:</b>			sunshine
<b>Mode:</b>	Wireless Charging 10W				
<b>Note:</b>					

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1 *	0.0134	11.47	0.03	11.50	63.50	-52.00	QP			
2	0.0256	-0.53	0.03	-0.50	63.50	-64.00	QP			
3	0.2043	30.54	-30.04	0.50	63.50	-63.00	QP			
4	0.7607	35.05	-29.55	5.50	63.50	-58.00	QP			
5	2.7856	39.70	-29.20	10.50	63.50	-53.00	QP			
6	3.9803	37.54	-29.04	8.50	63.50	-55.00	QP			



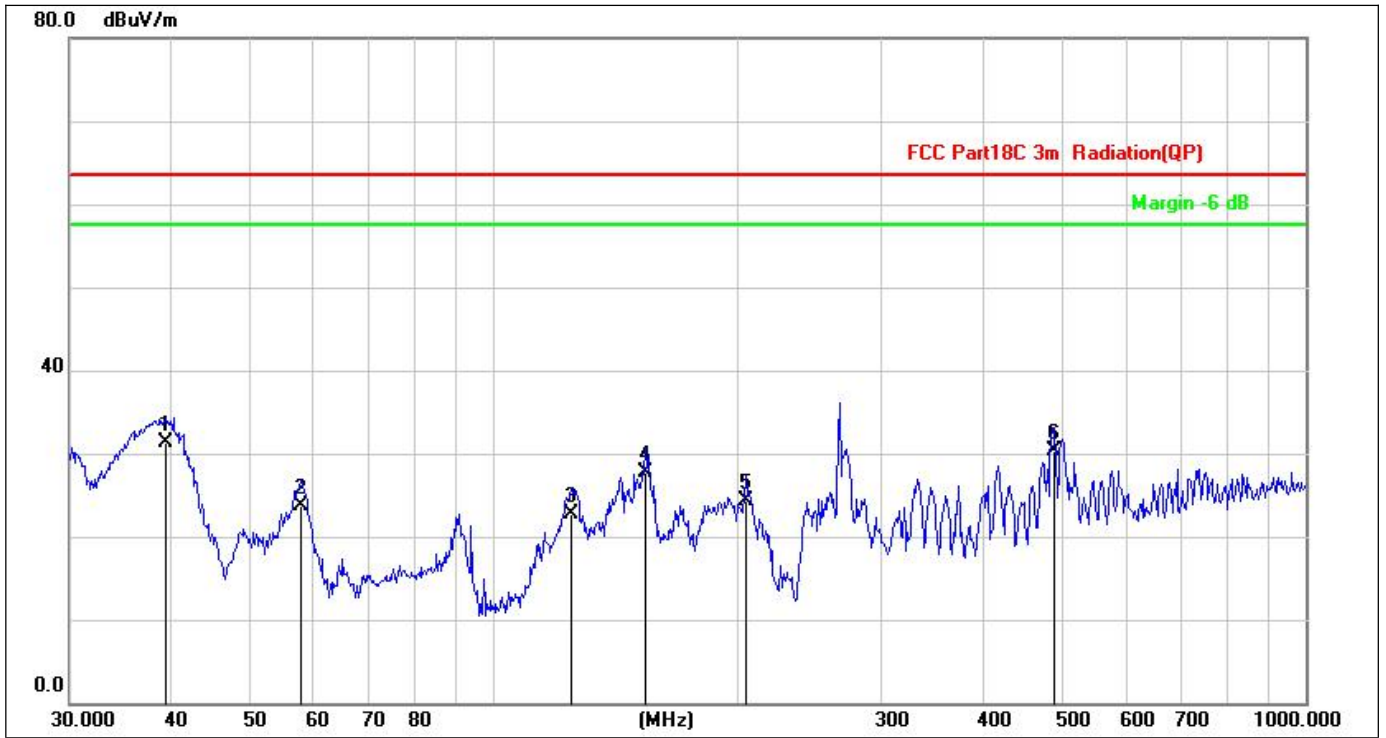
<b>Site:</b>	LAB	<b>Antenna:Vertical</b>	<b>Temperature(C):24.2(C)</b>
<b>Limit:</b>	FCC Part18C 3m Radiation(QP)	<b>Test Time:</b>	<b>Humidity(%):53.6%</b>
<b>EUT:</b>	10 Watt Single Coil Wireless Charger	<b>Power Rating:</b>	<b>2020/03/04 22:24:10</b>
<b>M/N.:</b>	WC10WSTNDGGL-AL	<b>Test Engineer:</b>	<b>AC 120V/60Hz</b>
<b>Mode:</b>	Wireless Charging 10W		<b>sunshine</b>
<b>Note:</b>			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1 *	0.0097	15.47	0.03	15.50	63.50	-48.00	QP			
2	0.0187	15.47	0.03	15.50	63.50	-48.00	QP			
3	0.0393	9.47	0.03	9.50	63.50	-54.00	QP			
4	0.1050	38.75	-30.25	8.50	63.50	-55.00	QP			
5	0.1696	36.61	-30.11	6.50	63.50	-57.00	QP			
6	0.5281	39.19	-29.69	9.50	63.50	-54.00	QP			



<b>Site:</b>	LAB	<b>Antenna::</b>	Horizontal	<b>Temperature(C):</b>	24.2(C)
<b>Limit:</b>	FCC Part18C 3m Radiation(QP)	<b>Test Time:</b>		<b>Humidity(%):</b>	53.6%
<b>EUT:</b>	10 Watt Single Coil Wireless Charger	<b>Power Rating:</b>		<b>Test Engineer:</b>	sunshine
<b>M/N.:</b>	WC10WSTNDGGL-AL				
<b>Mode:</b>	Wireless Charging 10W				
<b>Note:</b>					

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	153.7385	44.45	-19.48	24.97	63.50	-38.53	QP			
2	207.1226	45.13	-16.84	28.29	63.50	-35.21	QP			
3	242.5253	41.57	-15.45	26.12	63.50	-37.38	QP			
4 *	266.6089	52.14	-14.61	37.53	63.50	-25.97	QP			
5	284.9767	44.91	-14.01	30.90	63.50	-32.60	QP			
6	345.5952	44.96	-12.16	32.80	63.50	-30.70	QP			

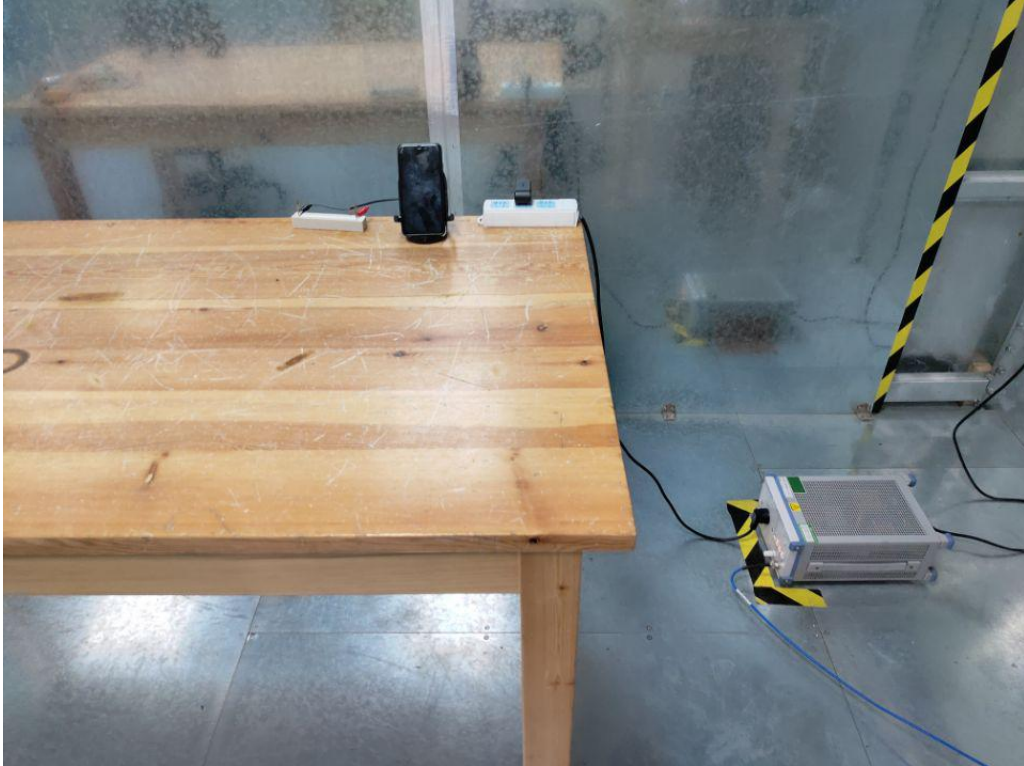


Site:	LAB	Antenna::Vertical	Temperature(C):24.2(C)
Limit:	FCC Part18C 3m Radiation(QP)		Humidity(%):53.6%
EUT:	10 Watt Single Coil Wireless Charger	Test Time:	2020/03/04 22:13:28
M/N.:	WC10WSTNDGGL-AL	Power Rating:	AC 120V/60Hz
Mode:	Wireless Charging 10W	Test Engineer:	sunshine
Note:			

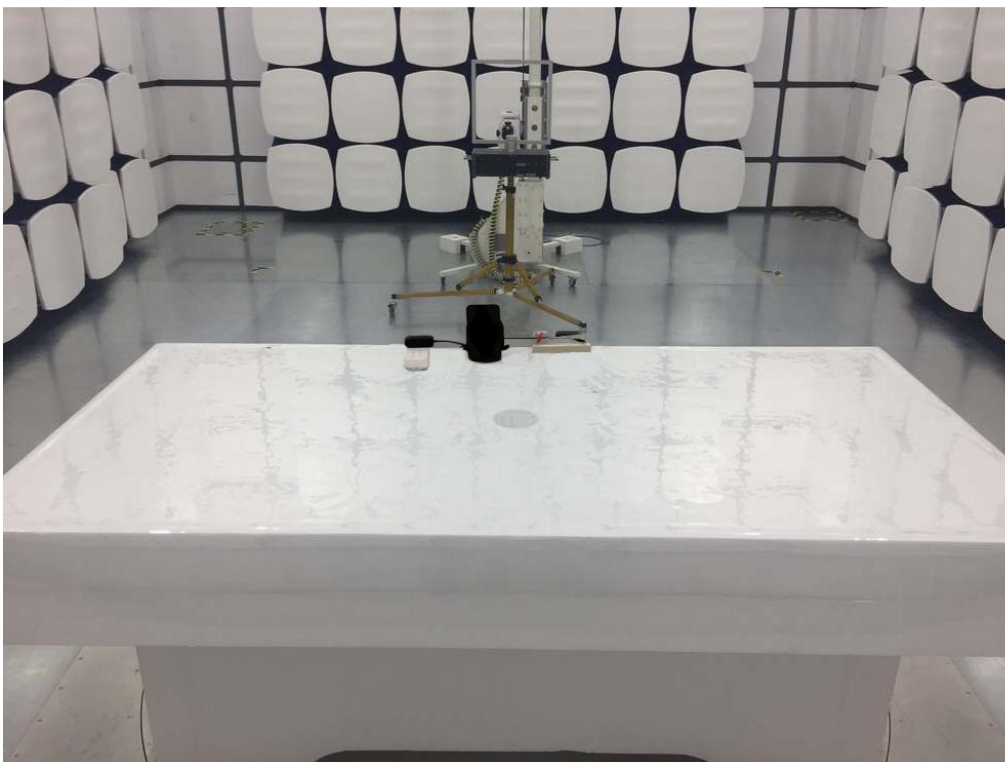
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1 *	39.4371	48.32	-16.99	31.33	63.50	-32.17	QP			
2	57.7962	39.62	-15.96	23.66	63.50	-39.84	QP			
3	124.5690	41.35	-18.55	22.80	63.50	-40.70	QP			
4	153.7385	47.15	-19.48	27.67	63.50	-35.83	QP			
5	204.2377	41.21	-16.98	24.23	63.50	-39.27	QP			
6	489.0269	39.36	-9.11	30.25	63.50	-33.25	QP			

## 6. PHOTOGRAPHS

### 6.1.Photos of Conducted Emission Measurement



### 6.2.Photos of Radiation Emission Measurement





## APPENDIX A: Warning Labels

### Label Requirements

Products authorized under SDOC and Part 18 required to include a compliance statement similar to the following:

*“This device complies with Part 18 of the FCC Rules.”*

The compliance information may be placed in the instruction manual, on a separate sheet, on the packaging, or electronically as permitted in Section 2.935. There is no specific format for this information. The placing of this or similar statement will also comply with the requirements of Section 2.1077(a) (2).

Devices authorized under the SDOC procedure have the option to use the FCC logo to indicate compliance with the FCC rules, and the logo may be included in the instruction materials or as part of an e-label.



The FCC logo shall only be used on a product that has been tested, evaluated, and found to be compliant in accordance with the SDOC procedures. The use of the FCC logo on the device does not mitigate the requirement to provide a means to uniquely identify the product or to provide the required compliance information statement. The FCC logo cannot be used on products that are exempt from an authorization by rule unless the SDOC procedure has been fully applied for the product.

## APPENDIX B: Warning Statement

### Statement Requirements

For devices approved under Part 18, information on the following shall be provided to the user in the instruction manual, or on the packaging if an instruction manual is not provided (Section 18.213): • The interference potential of the device or system.

- Maintenance of the system.
- Simple measures that can be taken by the user to correct interference.
- For RF lighting devices, provide an advisory statement, either on the product packaging or with other user documentation, similar to the following:

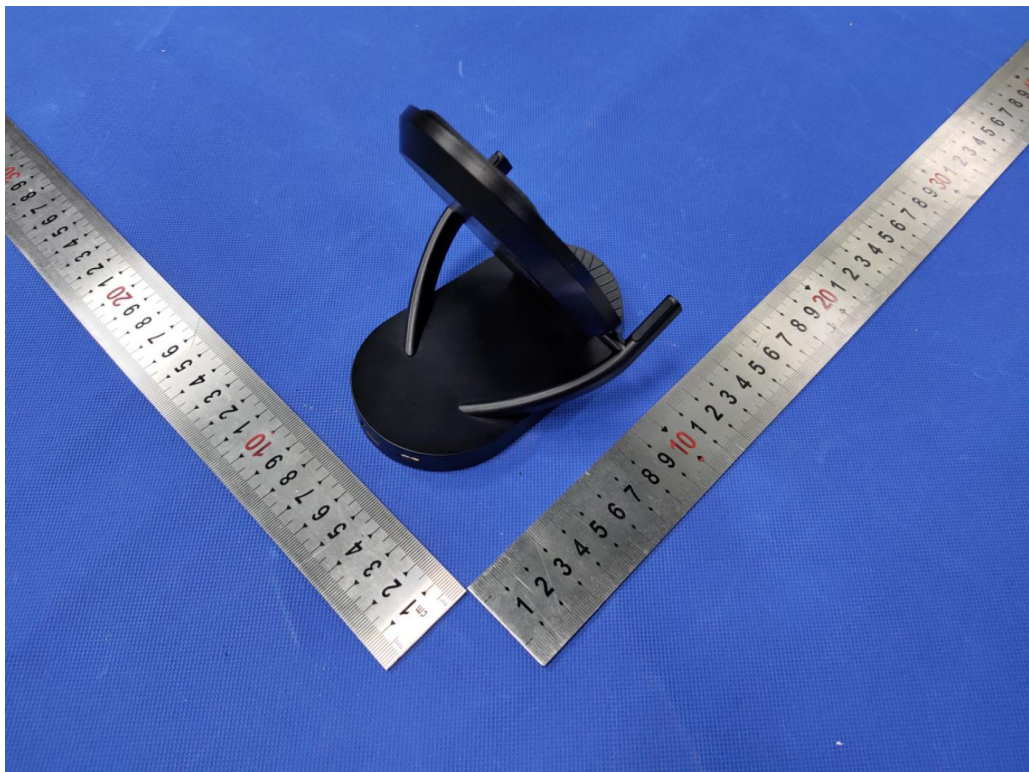
*This product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communication equipment operating between 0.45-30 MHz.*

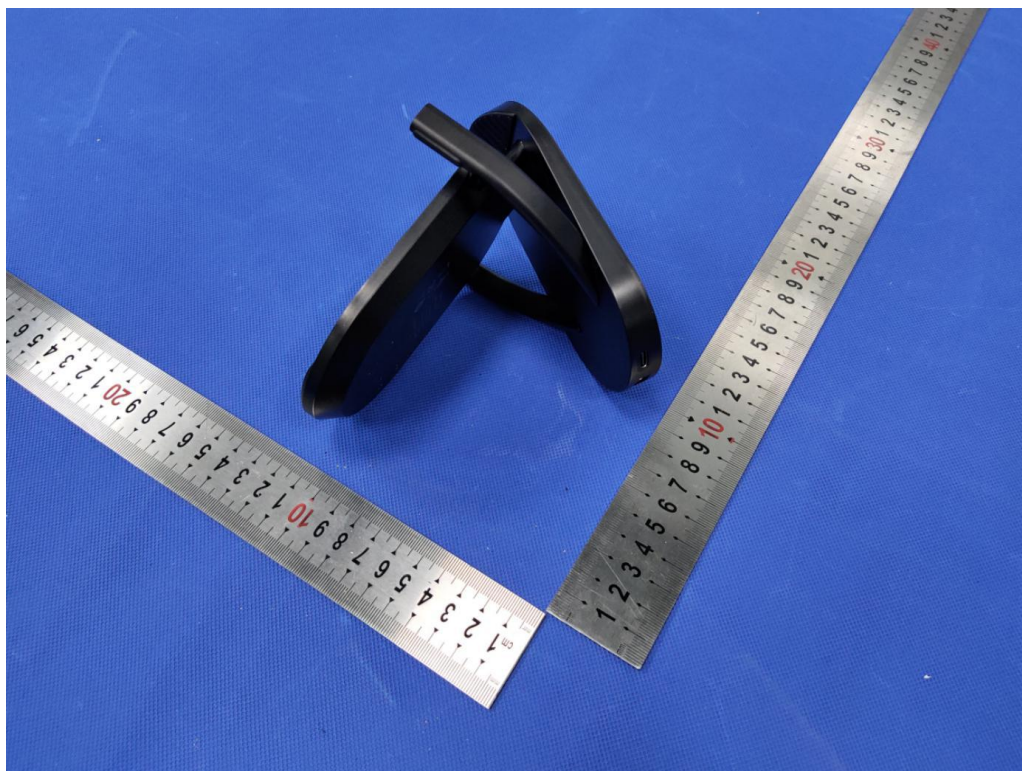
Variations of this language are permitted provided all the points of the statement are addressed, and may be presented in any legible font or text style.

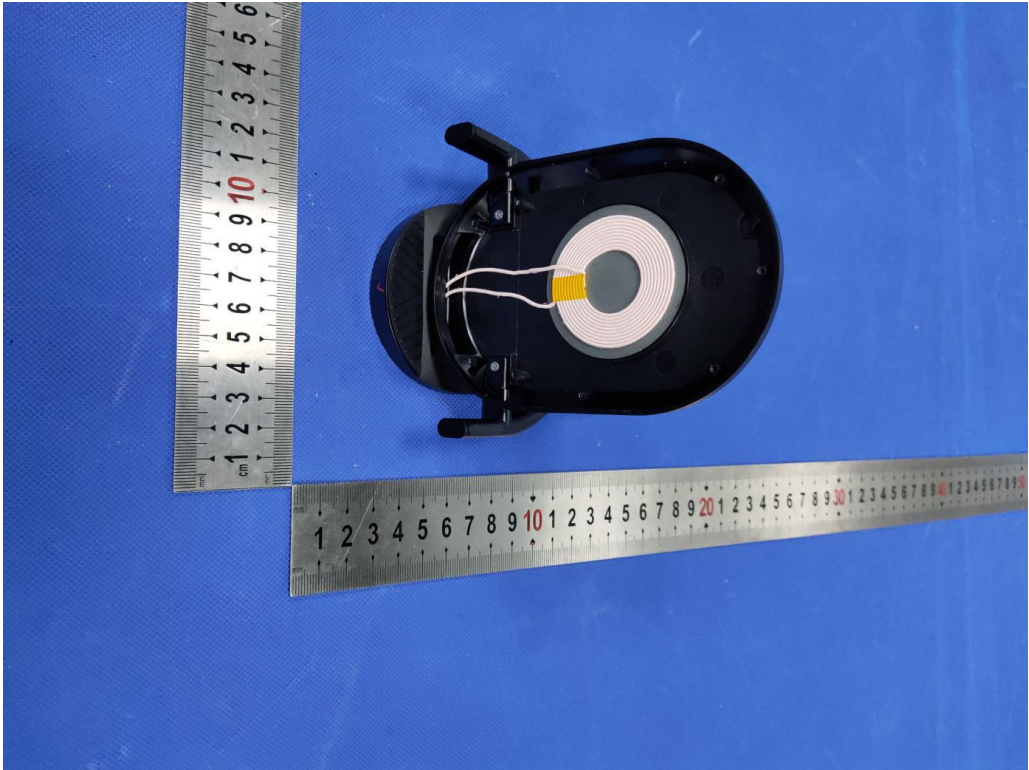
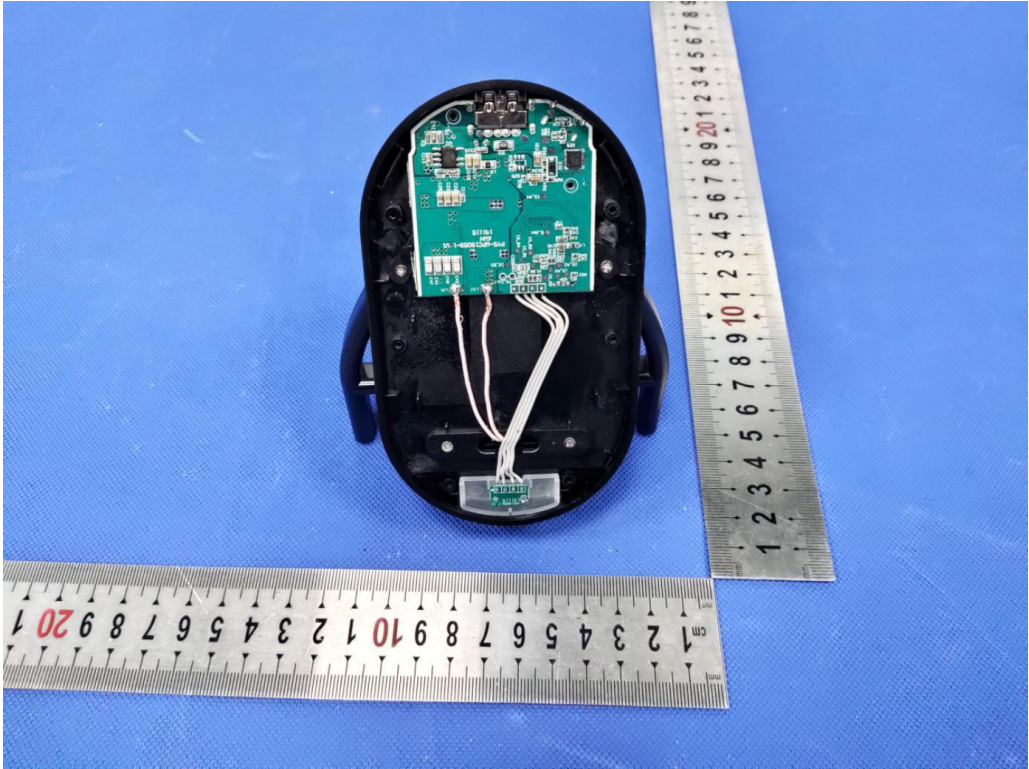


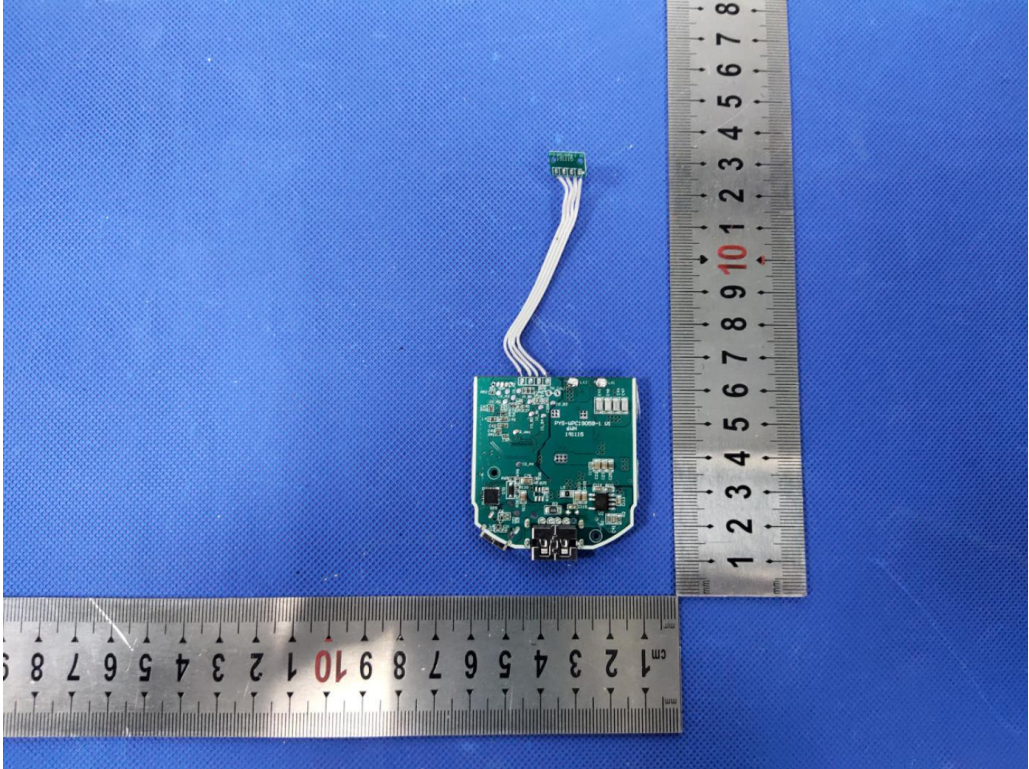
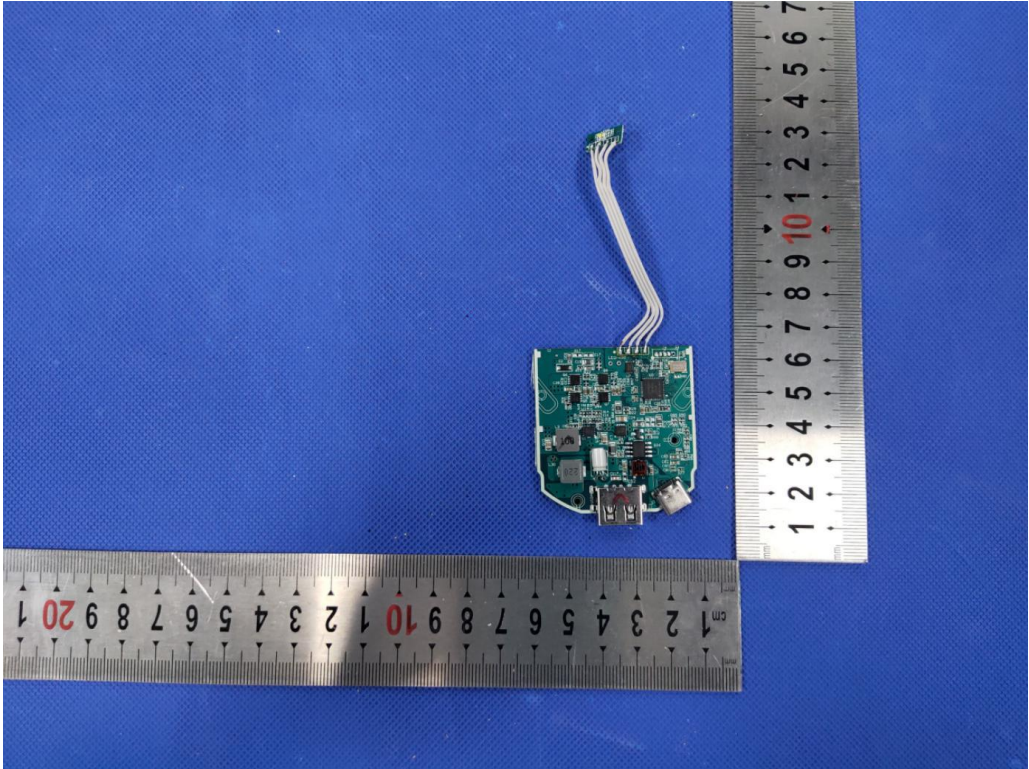
**APPENDIX C: Photos of EUT**











-----The end-----