

# FCC Report

**Applicant:** Shenzhen Esorun Technology Co.,LTD

**Address of Applicant:** 10F, Mingzhuo Building, Mingzhuoxing Industrial Park,  
Guangming Street, Guangming District, Shenzhen

**Manufacturer/Factory:** Shenzhen Esorun Technology Co.,LTD

**Address of  
Manufacturer/Factory:** 10F, Mingzhuo Building, Mingzhuoxing Industrial Park,  
Guangming Street, Guangming District, Shenzhen

**Equipment Under Test (EUT)**

Product Name: Wireless Charger

Model No.: Air

Trade mark: ESORUN

**FCC ID:** 2AP2N-AIR

**Applicable standards:** FCC CFR Title 47 Part 15 Subpart C Section 15.209

**Date of sample receipt:** April 27, 2018

**Date of Test:** April 27, 2018-May 24, 2018

**Date of report issued:** May 25, 2018

**Test Result :** PASS \*

\* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

A circular blue stamp with the text "GLOBAL UNITED TECHNOLOGY SERVICES CO., LTD." around the perimeter and "GTS GLOBAL TESTING" in the center. A handwritten signature in black ink is written across the stamp.

**Robinson Lo**

**Laboratory Manager**

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

### Version

Version No.	Date	Description
00	May 25, 2018	Original

Prepared By:

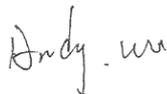


Date:

May 25, 2018

Project Engineer

Check By:



Date:

May 25, 2018

Reviewer

### TABLE OF CONTENTS

<b>Version</b> .....	<b>2</b>
<b>1. Test Certification</b> .....	<b>4</b>
<b>2. Test Result Summary</b> .....	<b>5</b>
<b>3. EUT Description</b> .....	<b>6</b>
<b>4. Genera Information</b> .....	<b>7</b>
4.1. TEST ENVIRONMENT AND MODE.....	7
4.2. DESCRIPTION OF SUPPORT UNITS.....	7
<b>5. Facilities and Accreditations</b> .....	<b>8</b>
5.1. FACILITIES.....	8
5.2. LOCATION.....	8
5.3. MEASUREMENT UNCERTAINTY.....	8
<b>6. Test Results and Measurement Data</b> .....	<b>9</b>
6.1. ANTENNA REQUIREMENT.....	9
6.2. CONDUCTED EMISSION.....	10
6.3. RADIATED SPURIOUS EMISSION MEASUREMENT.....	14
<b>Appendix A: Photographs of Test Setup</b>	
<b>Appendix B: Photographs of EUT</b>	

**1. Test Certification**

<b>Product:</b>	Wireless Charger
<b>Model No.:</b>	Air
<b>Additional Model No.:</b>	N/A
<b>Trade Mark:</b>	ESORUN
<b>Applicant:</b>	Shenzhen Esorun Technology Co.,LTD
<b>Address:</b>	10F, Mingzhuo Building, Mingzhuoxing Industrial Park, Guangming Street, Guangming District, Shenzhen
<b>Manufacturer:</b>	Shenzhen Esorun Technology Co.,LTD
<b>Address:</b>	10F, Mingzhuo Building, Mingzhuoxing Industrial Park, Guangming Street, Guangming District, Shenzhen
<b>Applicable Standards:</b>	FCC CFR Title 47 Part 15 Subpart C

*The above equipment has been tested by Global United Technology Services Co., Ltd. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.*

## 2. 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.*

### 3. EUT Description

<b>Product:</b>	Wireless Charger
<b>Model No.:</b>	Air
<b>Additional Model No.:</b>	N/A
<b>Trade Mark:</b>	ESORUN
<b>Number of Channel</b>	18 channels
<b>Operation Frequency:</b>	120-205KHz
<b>Modulation Technology:</b>	PFM
<b>Antenna Type:</b>	Coil Antenna
<b>Antenna Gain:</b>	10dBi

#### Operation Frequency each of channel

Channel	Frequency (MHz)						
1	0.120	6	0.145	11	0.170	16	0.195
2	0.125	7	0.150	12	0.175	17	0.200
3	0.130	8	0.155	13	0.180	18	0.205
4	0.135	9	0.160	14	0.185	19	
5	0.140	10	0.165	15	0.190	20	

### 4. Genera Information

#### 4.1. Test environment and mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations (The value of duty cycle is 98%) with Notebook.
<p>The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y &amp; Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.</p> <p>Both DC 5V and DC 9V output modes are tested, and results in this report are for DC 9V output.</p>	

#### 4.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	Certification
Notebook	ZQT	N/A	DOC
Receiver	N/A	N/A	N/A
Load	N/A	N/A	N/A
Mobile Phone	A1864	N/A	DOC

**Note:**

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

## 5. Facilities and Accreditations

### 5.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

- Industry **Canada (IC) —Registration No.: 9079A-2**

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A-2, August 15, 2016.

### 5.2. Location

Global United Technology Services Co., Ltd.

Address: No. 301-309, 3/F., Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

Tel: 0755-27798480

Fax: 0755-27798960

### 5.3. Measurement Uncertainty

The reported uncertainty of measurement  $y \pm U$ , where expanded uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95 %.

Test Item	Frequency Range	Measurement Uncertainty	Notes
Radiated Emission	9kHz ~ 30MHz	$\pm 4.34\text{dB}$	(1)
Radiated Emission	30MHz ~ 1000MHz	$\pm 4.24\text{dB}$	(1)
Radiated Emission	1GHz ~ 26.5GHz	$\pm 4.68\text{dB}$	(1)
AC Power Line Conducted Emission	0.15MHz ~ 30MHz	$\pm 3.45\text{dB}$	(1)

Note (1): The measurement uncertainty is for coverage factor of  $k=2$  and a level of confidence of 95%.

### 6. Test Results and Measurement Data

#### 6.1. Antenna requirement

<b>Standard requirement:</b>	FCC Part15 C Section 15.203
<p>15.203 requirement:          An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.</p>	
<b>E.U.T Antenna:</b>	
<p>The antenna is coil antenna which permanently attached, and the best case gain of the antenna is 10dBi.</p>	
	

### 6.2. Conducted Emission

#### 6.2.1. Test Specification

<b>Test Requirement:</b>	FCC Part15 C Section 15.207														
<b>Test Method:</b>	ANSI C63.10:2013														
<b>Frequency Range:</b>	150 kHz to 30 MHz														
<b>Receiver setup:</b>	RBW=9 kHz, VBW=30 kHz, Sweep time=auto														
<b>Limits:</b>	<table border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th> <th colspan="2">Limit (dBuV)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <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> </tbody> </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													
<b>Test Setup:</b>	<p><i>Remark</i>  <i>E.U.T: Equipment Under Test</i>  <i>LISN: Line Impedance Stabilization Network</i>  <i>Test table height=0.8m</i></p>														
<b>Test Mode:</b>	Charging + Transmitting Mode														
<b>Test Procedure:</b>	<ol style="list-style-type: none"> <li>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.</li> <li>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).</li> <li>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.</li> </ol>														
<b>Test Result:</b>	PASS														

### 6.2.2. Test Instruments

Conducted Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Shielding Room	ZhongYu Electron	7.3(L)x3.1(W)x2.9(H)	GTS252	May.16 2014	May.15 2019
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June 28 2017	June 27 2018
3	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	June 28 2017	June 27 2018
4	Artificial Mains Network	SCHWARZBECK MESS	NSLK8127	GTS226	June 28 2017	June 27 2018
5	Coaxial Cable	GTS	N/A	GTS227	N/A	N/A
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
7	Thermo meter	KTJ	TA328	GTS233	June 28 2017	June 27 2018

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

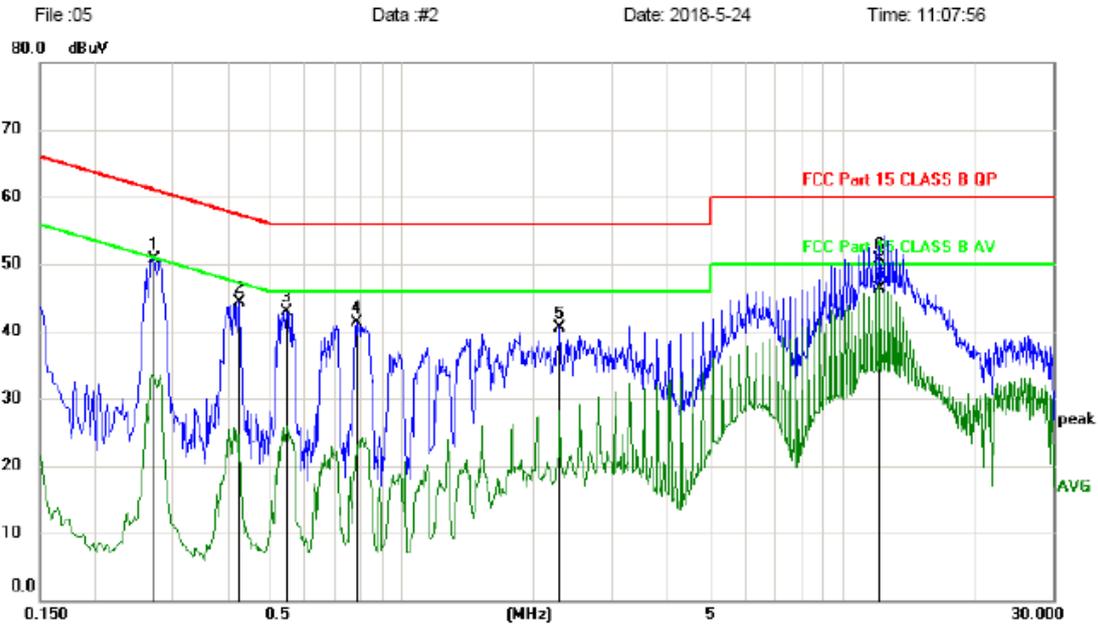
### 6.2.3. Test data

Please refer to following diagram for individual

Test Mode : Full Load
Test Results : <b>PASS</b>
<p>Note: The test results are listed in next pages.</p> <p>This mode is worst case mode, so this report only reflected the worst mode.</p> <p>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.</p> <p>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.</p> <p>Both DC 5V and DC 9V output modes are tested, this result is for DC 9V output.</p>

Line:

### Conducted Emission Measurement



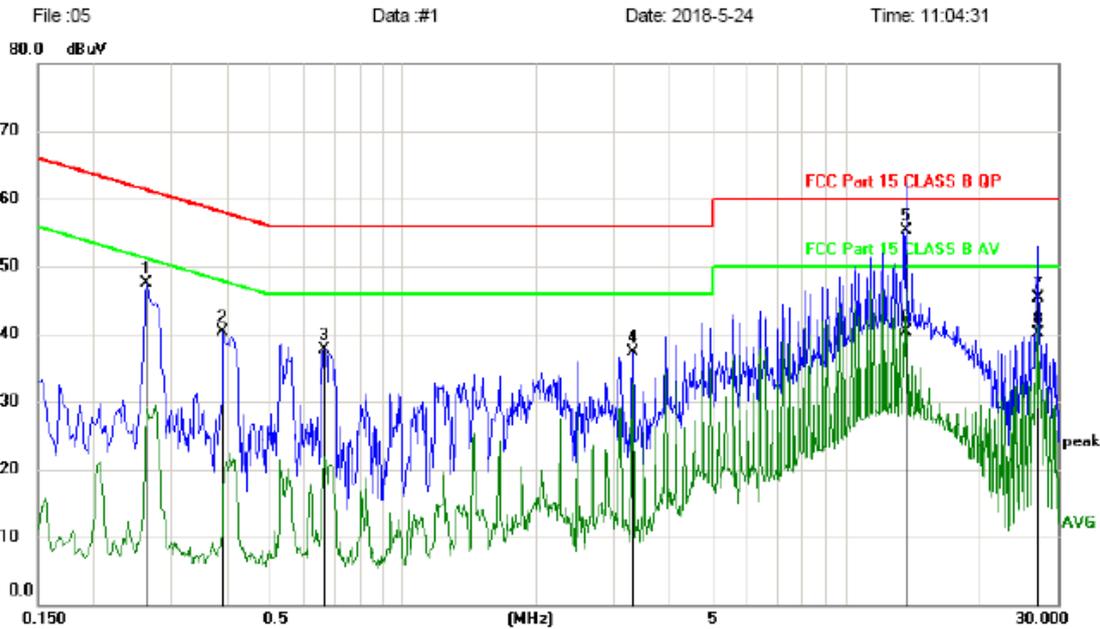
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.2730	40.91	9.76	50.67	61.03	-10.36	peak	
2		0.4260	34.52	9.78	44.30	57.33	-13.03	peak	
3		0.5460	33.15	9.79	42.94	56.00	-13.06	peak	
4		0.7860	31.50	9.81	41.31	56.00	-14.69	peak	
5		2.2770	30.64	9.96	40.60	56.00	-15.40	peak	
6		12.1469	40.41	10.34	50.75	60.00	-9.25	QP	
7	*	12.1469	36.00	10.34	46.34	50.00	-3.66	AVG	

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

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

Neutral:

### Conducted Emission Measurement



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.2640	37.77	9.76	47.53	61.30	-13.77	peak	
2		0.3930	30.57	9.77	40.34	58.00	-17.66	peak	
3		0.6630	28.01	9.79	37.80	56.00	-18.20	peak	
4		3.2970	27.28	10.06	37.34	56.00	-18.66	peak	
5	*	13.6679	44.99	10.33	55.32	60.00	-4.68	QP	
6		13.6679	29.92	10.33	40.25	50.00	-9.75	AVG	
7		27.1200	34.42	10.94	45.36	60.00	-14.64	QP	
8		27.1200	29.08	10.94	40.02	50.00	-9.98	AVG	

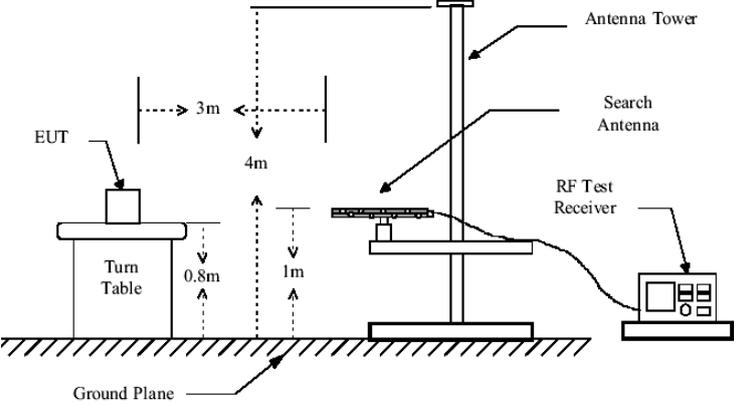
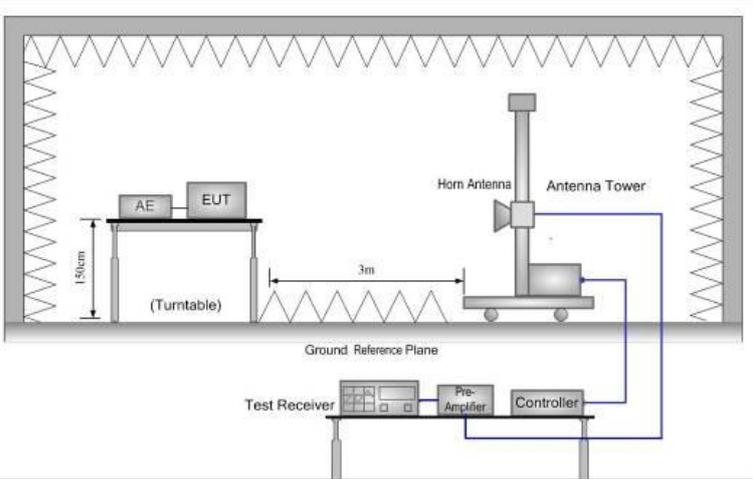
\*:Maximum data x:Over limit !:over margin

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

### 6.3. Radiated Spurious Emission Measurement

#### 6.3.1. Test Specification

<b>Test Requirement:</b>	FCC Part15 C Section 15.209					
<b>Test Method:</b>	ANSI C63.10: 2013					
<b>Frequency Range:</b>	9 kHz to 25 GHz					
<b>Measurement Distance:</b>	3 m					
<b>Antenna Polarization:</b>	Horizontal & Vertical					
<b>Operation mode:</b>	Refer to item 4.1					
<b>Receiver Setup:</b>	Frequency	Detector	RBW	VBW	Remark	
	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value	
	150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value	
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value	
	Above 1GHz	Peak	1MHz	3MHz	Peak Value	
		Peak	1MHz	10Hz	Average Value	
<b>Limit:</b>	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			
	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			
<b>Test setup:</b>	For radiated emissions below 30MHz					
	<p>The diagram illustrates the test setup for radiated emissions below 30MHz. It shows an EUT (Equipment Under Test) on a turn table, positioned 3m away from a circular antenna. The antenna is mounted on a ground plane. The antenna is connected to a Pre-Amplifier, which is connected to a Receiver. The Receiver is connected to a Computer.</p>					

	<p><b>30MHz to 1GHz</b></p>  <p><b>Above 1GHz</b></p> 
<p><b>Test Procedure:</b></p>	<ol style="list-style-type: none"> <li>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.</li> <li>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</li> </ol>

	<p>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.</p> <p>2. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level</p> <p>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.</p> <p>For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. <math>VBW \geq 1/T</math>, 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.</p>
<b>Test mode:</b>	Refer to section 4.1 for details
<b>Test results:</b>	PASS

**6.3.2. Test Instruments**

Radiated Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.0(L)*6.0(W)* 6.0(H)	GTS250	July. 03 2015	July. 02 2020
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	Spectrum Analyzer	Agilent	E4440A	GTS533	June 28 2017	June 27 2018
4	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	June 28 2017	June 27 2018
5	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June 28 2017	June 27 2018
6	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	9120D-829	GTS208	June 28 2017	June 27 2018
7	Horn Antenna	ETS-LINDGREN	3160	GTS217	June 28 2017	June 27 2018
8	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
9	Coaxial Cable	GTS	N/A	GTS213	June 28 2017	June 27 2018
10	Coaxial Cable	GTS	N/A	GTS211	June 28 2017	June 27 2018
11	Coaxial cable	GTS	N/A	GTS210	June 28 2017	June 27 2018
12	Coaxial Cable	GTS	N/A	GTS212	June 28 2017	June 27 2018
13	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June 28 2017	June 27 2018
14	Amplifier(2GHz-20GHz)	HP	8349B	GTS206	June 28 2017	June 27 2018
15	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June 28 2017	June 27 2018
16	Band filter	Amindeon	82346	GTS219	June 28 2017	June 27 2018

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

### 6.3.3. Test Data

Please refer to following diagram for individual

Frequency Range	: 9KHz~30MHz
Test Mode	: TX 120.0KHz For >90%charging.
Test Results	: <b>PASS</b>
Note:	<p>1. The test results are listed in next pages.</p> <p>2. This mode is worst case mode, so this report only reflected the worst mode.</p> <p>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.</p> <p>4. Both DC 5V and DC 9V output modes are tested, this result is for DC 9V output.</p>

Freq.	Reading	Antenna Factor	Cable loss	Amp Factor	Result	Limit	Margin	Detector	State
(MHz)	(dBuV/m)	dB/m	dB	dB	(dBuV/m)	(dBuV/m) at 3m	(dB)		P/F
0.11	46.12	48.34	0.16	29.87	64.75	126.77	-62.02	PK	PASS
0.11	44.90	48.34	0.16	29.87	63.53	106.77	-43.24	AV	PASS
0.12	81.57	48.34	0.16	29.87	100.20	122.95	-22.75	PK	PASS
0.12	69.16	48.34	0.16	29.87	87.79	102.95	-15.16	AV	PASS
0.21	48.15	48.38	0.17	29.89	66.81	120.76	-53.95	PK	PASS
0.21	46.45	48.38	0.17	29.89	65.11	100.76	-35.65	AV	PASS
0.35	46.22	48.44	0.19	29.89	64.96	117.78	-52.82	PK	PASS
0.35	44.11	48.44	0.19	29.89	62.85	97.78	-34.93	AV	PASS
0.45	47.92	48.47	0.19	29.89	66.69	115.35	-48.66	PK	PASS
0.45	44.26	48.47	0.19	29.89	63.03	95.35	-32.32	AV	PASS
1.928	26.39	49.12	0.2	29.94	45.77	70	-24.23	QP	PASS
1.928	25.33	49.12	0.2	29.94	44.71	50	-5.29	AV	PASS

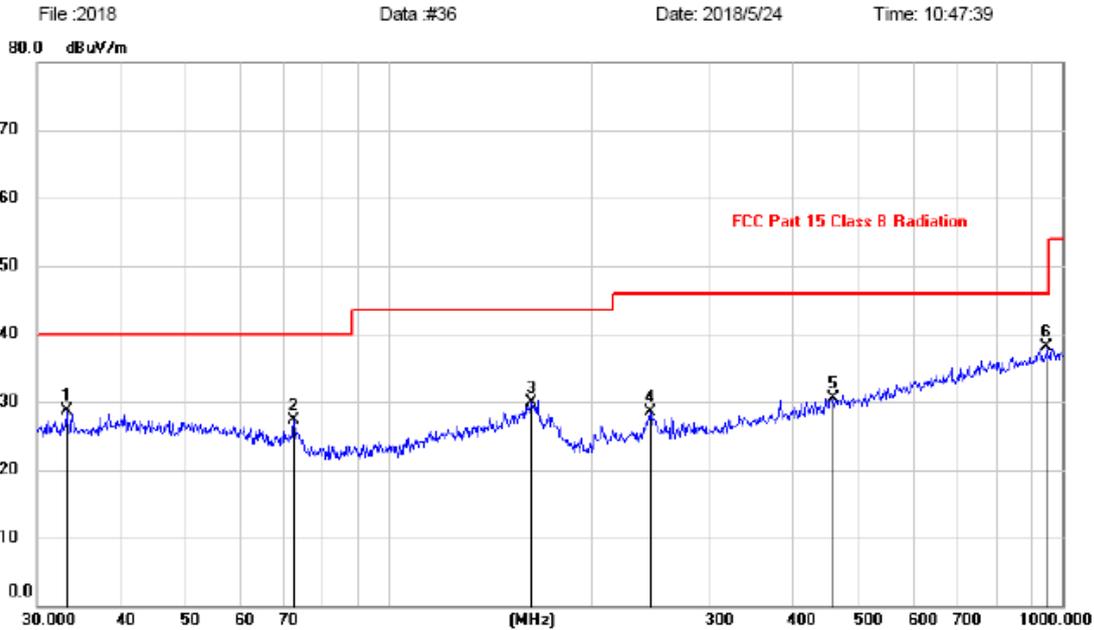
Frequency Range	: 30MHz~1000MHz
Test Mode	: TX 120.0KHz For >90%charging.
Test Results	: <b>PASS</b>
Note:	<p>1. The test results are listed in next pages.</p> <p>2. This mode is worst case mode, so this report only reflected the worst mode.</p> <p>3. If the limits for the measurement with the average 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.</p> <p>4. Both DC 5V and DC 9V output modes are tested, this result is for DC 9V output.</p>

Frequency Range	: Above 1GHz		
EUT	: /	Test Date	: /
M/N	: /	Temperature	: /
Test Engineer	: /	Humidity	: /
Test Mode	: /		
Test Results	: N/A		
Note:	<p>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.</p>		

### 30MHz-1GHz

Horizontal:

#### Radiated Emission Measurement



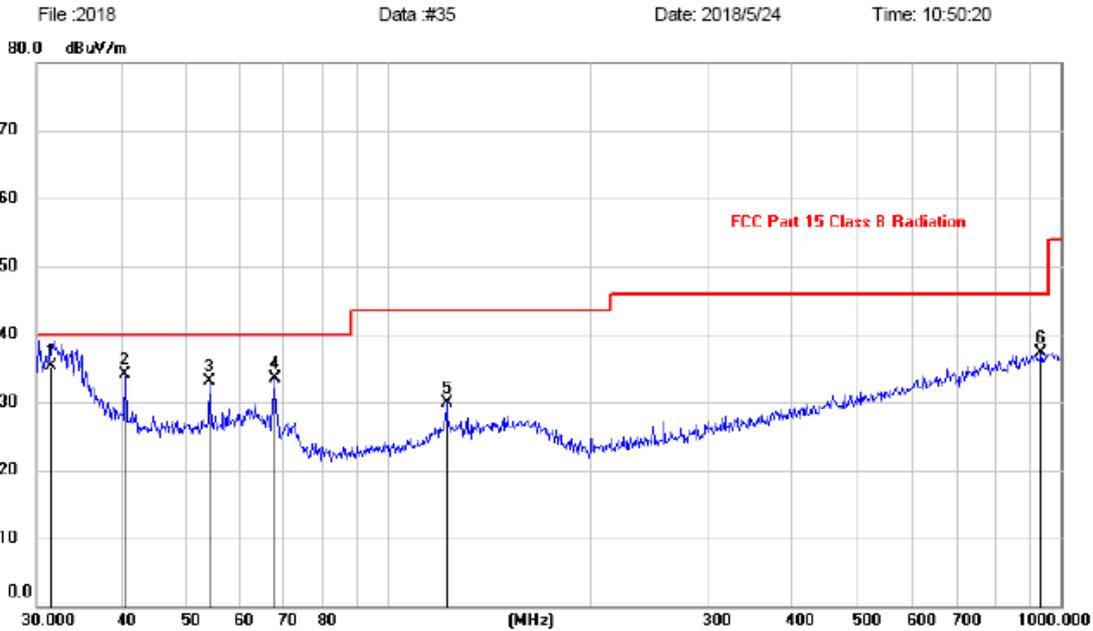
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		33.0950	15.29	13.44	28.73	40.00	-11.27	QP 200	0	
2		72.0843	16.55	10.67	27.22	40.00	-12.78	QP 200	0	
3		163.1817	15.49	14.32	29.81	43.50	-13.69	QP 200	0	
4		244.2321	16.46	12.01	28.47	46.00	-17.53	QP 200	0	
5		457.5073	13.41	17.09	30.50	46.00	-15.50	QP 200	0	
6	*	948.7609	14.72	23.43	38.15	46.00	-7.85	QP 200	0	

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

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

Vertical:

### Radiated Emission Measurement



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1	*	31.5177	22.01	13.37	35.38	40.00	-4.62	100	0
2		40.5591	19.90	14.17	34.07	40.00	-5.93	100	0
3		54.2610	19.79	13.38	33.17	40.00	-6.83	100	0
4		67.6751	21.91	11.50	33.41	40.00	-6.59	100	0
5		121.9755	17.18	12.73	29.91	43.50	-13.59	100	0
6		935.5463	14.19	23.18	37.37	46.00	-8.63	100	0

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

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

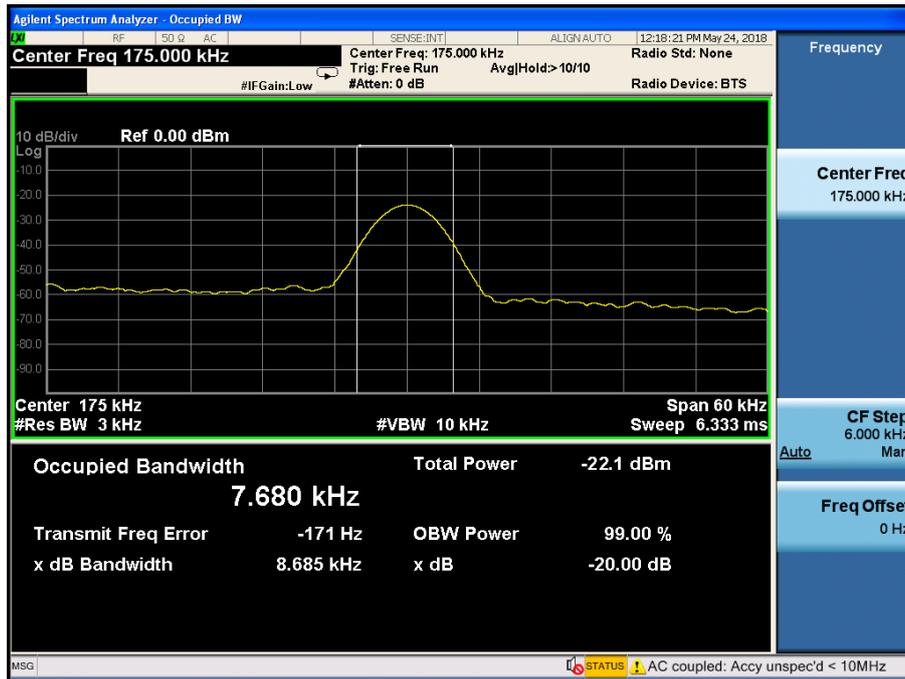


### 6.3.6. Test data

Frequency(KHz)	20dB Occupy Bandwidth (kHz)	Limit (kHz)	Conclusion
175.0	8.685	---	PASS

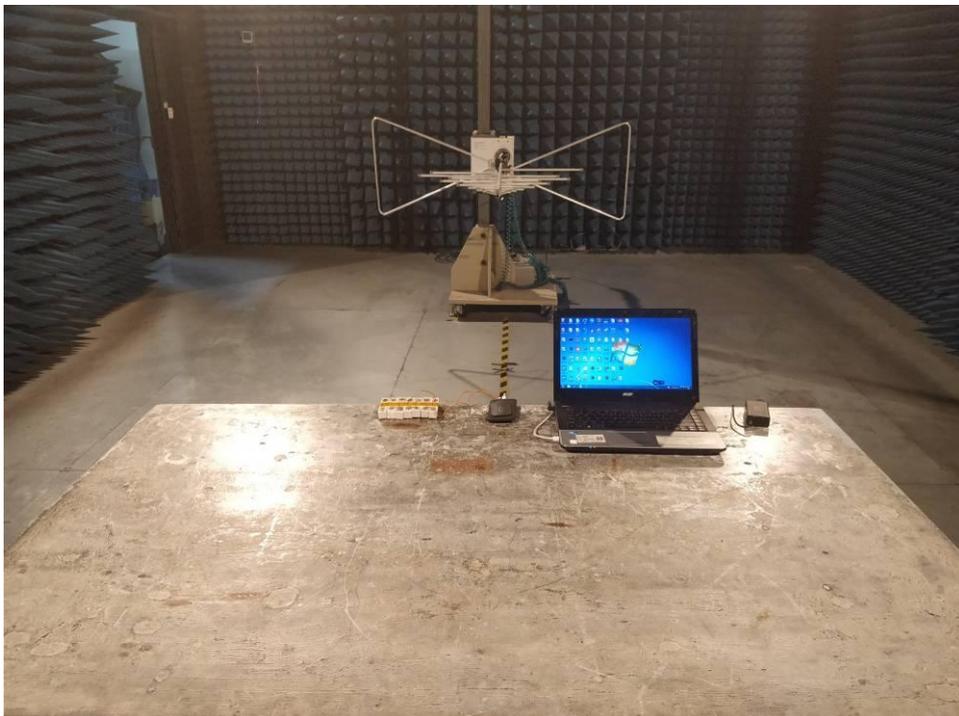
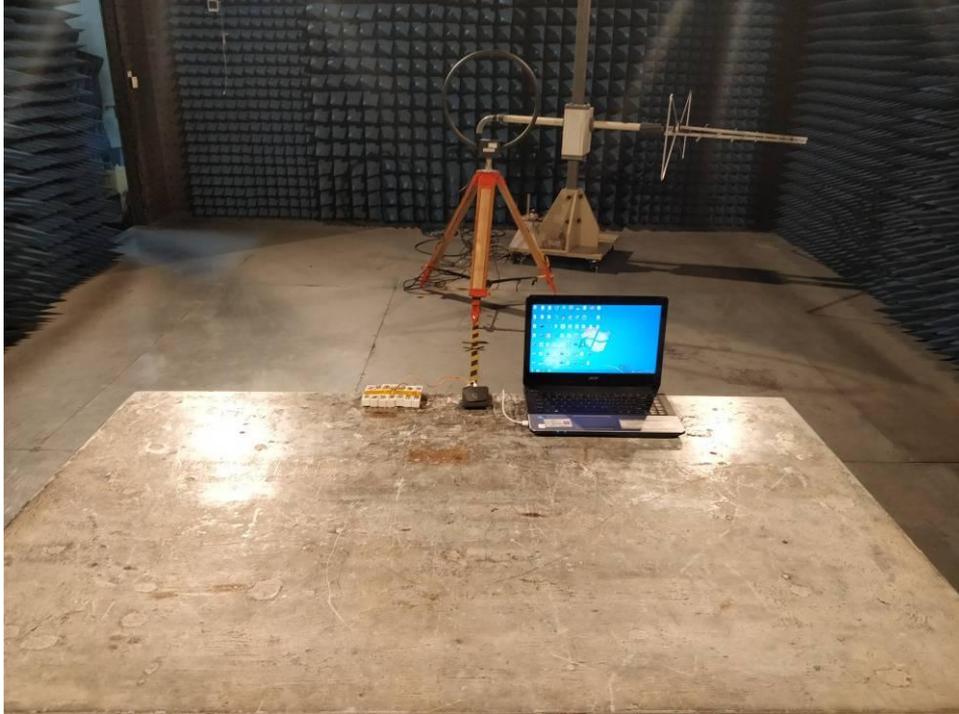
Test plots as follows:

Middle channel



### Appendix A: Photographs of Test Setup

#### Radiated Emission



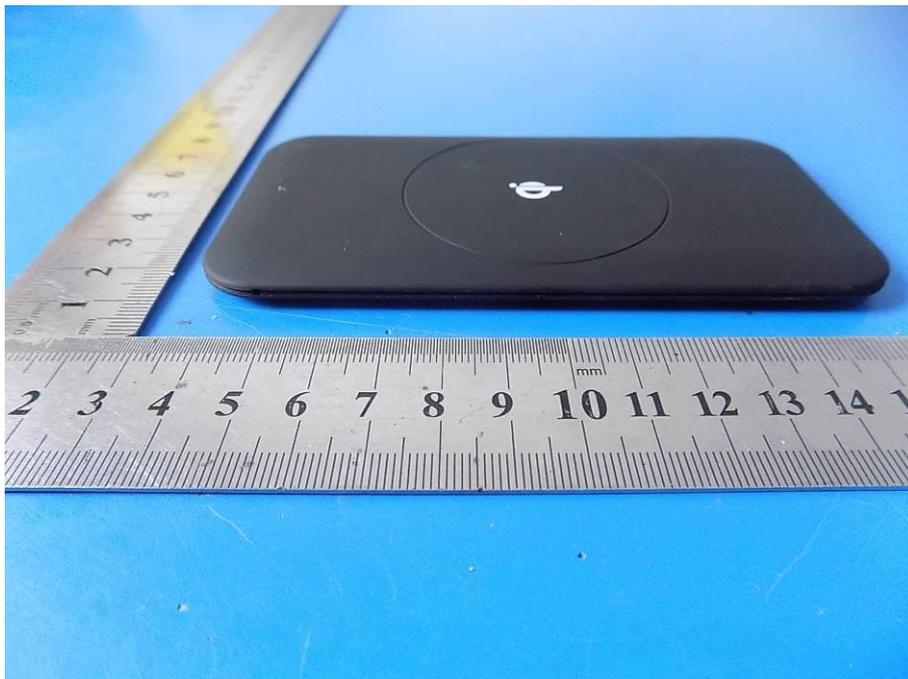
### Conducted Emission



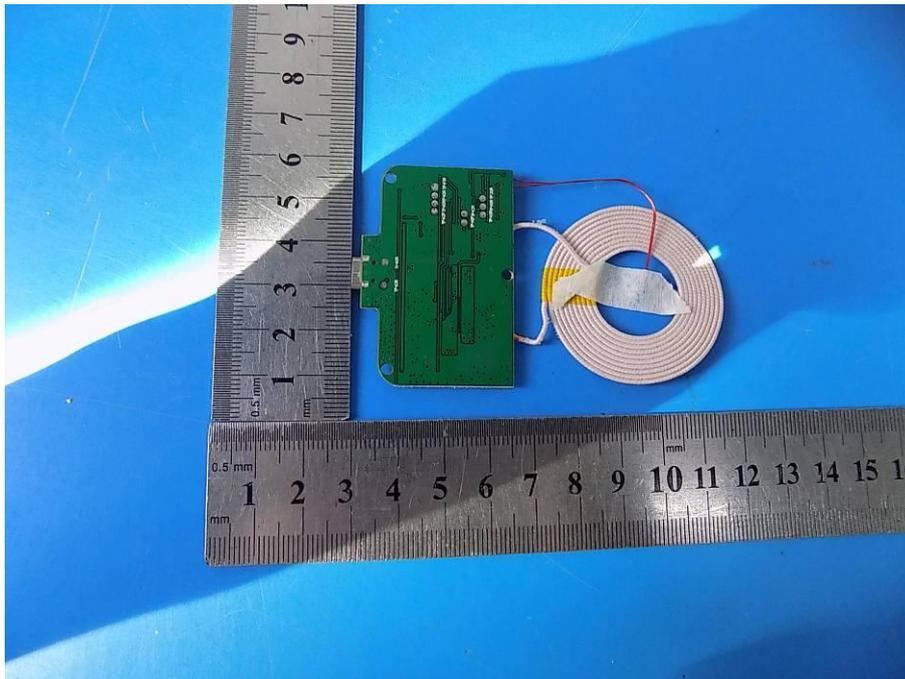
### Appendix B: Photographs of EUT External Photos

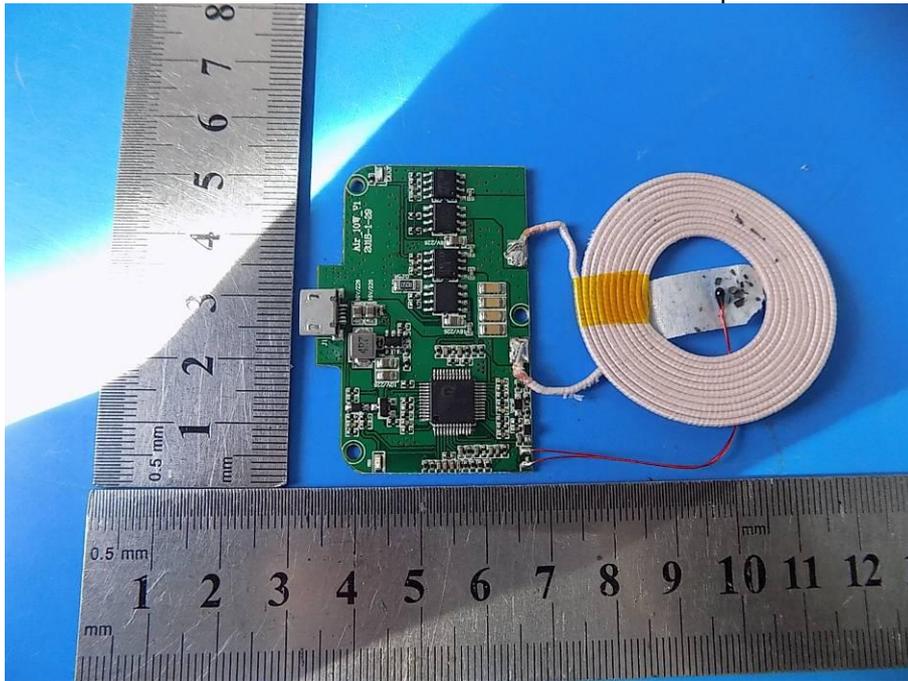






### Internal Photos





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