

# TEST REPORT

**FCC ID: 2AOKOHH-HD-W001**

**Product: Car Holder with Wireless Charger**

**Model No.: HH-HD-W001**

**Additional Model No.: CS-045**

**Trade Mark: N/A**

**Report No.: TCT180111E032**

**Issued Date: Dec. 27, 2017**

Issued for:

**HUAHAI ELECTRONICS CO., LIMITED**

**52B, TangTian South Road, ShiMa, TangXia Town, DongGuan City,  
Guangdong Province, 523710, China**

Issued By:

**Shenzhen Tongce Testing Lab.**

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**Appendix A: Photographs of Test Setup**

**Appendix B: Photographs of EUT**

## 1. Test Certification

<b>Product:</b>	Car Holder with Wireless Charger
<b>Model No.:</b>	HH-HD-W001
<b>Additional Model No.:</b>	CS-045
<b>Trade Mark:</b>	N/A
<b>Applicant:</b>	HUAHAI ELECTRONICS CO., LIMITED
<b>Address:</b>	52B, TangTian South Road, ShiMa, TangXia Town, DongGuan City, Guangdong Province, 523710, China
<b>Manufacturer:</b>	HUAHAI ELECTRONICS CO., LIMITED
<b>Address:</b>	52B, TangTian South Road, ShiMa, TangXia Town, DongGuan City, Guangdong Province, 523710, China
<b>Date of Test:</b>	Dec. 08 – Dec. 27, 2017
<b>Applicable Standards:</b>	FCC CFR Title 47 Part 15 Subpart C

The above equipment has been tested by Shenzhen Tongce Testing Lab. 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.

Tested By:



Date:

Dec. 27, 2017

Beryl Zhao

Reviewed By:



Date:

Dec. 27, 2017

Approved By:

Tomsin

Date:

Dec. 27, 2017

## 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>	Car Holder with Wireless Charger
<b>Model No.:</b>	HH-HD-W001
<b>Additional Model No.:</b>	CS-045
<b>Trade Mark:</b>	N/A
<b>Number of Channel</b>	20 channels
<b>Operation Frequency:</b>	110-205KHz
<b>Modulation Technology:</b>	MSK
<b>Antenna Type:</b>	Coil Antenna
<b>Antenna Gain:</b>	10dBi

#### Operation Frequency each of channel

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	0.110	6	0.135	11	0.160	16	0.185
2	0.115	7	0.140	12	0.165	17	0.190
3	0.120	8	0.145	13	0.170	18	0.195
4	0.125	9	0.150	14	0.175	19	0.200
5	0.130	10	0.155	15	0.180	20	0.205

## 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 98.46%) with Fully-charged battery.
<p>The sample was placed (0.1m 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>	

### 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.	FCC ID	Trade Name
Adapter	HW-059200CHQ	K68247F5H01734	/	HUAWEI
Mobilephone	honor 9	5JPDU17610004560	/	honor

**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:

- FCC - Registration No.: 645098

Shenzhen Tongce Testing Lab

The 3m Semi-anechoic chamber has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC - Registration No.: 10668A-1

The 3m Semi-anechoic chamber of Shenzhen TCT Testing Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

### 5.2. Location

Shenzhen Tongce Testing Lab

Address: 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China

TEL: +86-755-27673339

### 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 %.

No.	Item	MU
1	Conducted Emission	$\pm 2.56\text{dB}$
2	RF power, conducted	$\pm 0.12\text{dB}$
3	Spurious emissions, conducted	$\pm 0.11\text{dB}$
4	All emissions, radiated(<1G)	$\pm 3.92\text{dB}$
5	All emissions, radiated(>1G)	$\pm 4.28\text{dB}$
6	Temperature	$\pm 0.1^{\circ}\text{C}$
7	Humidity	$\pm 1.0\%$

## 6. Test Results and Measurement Data

### 6.1. Antenna requirement

**Standard requirement:**

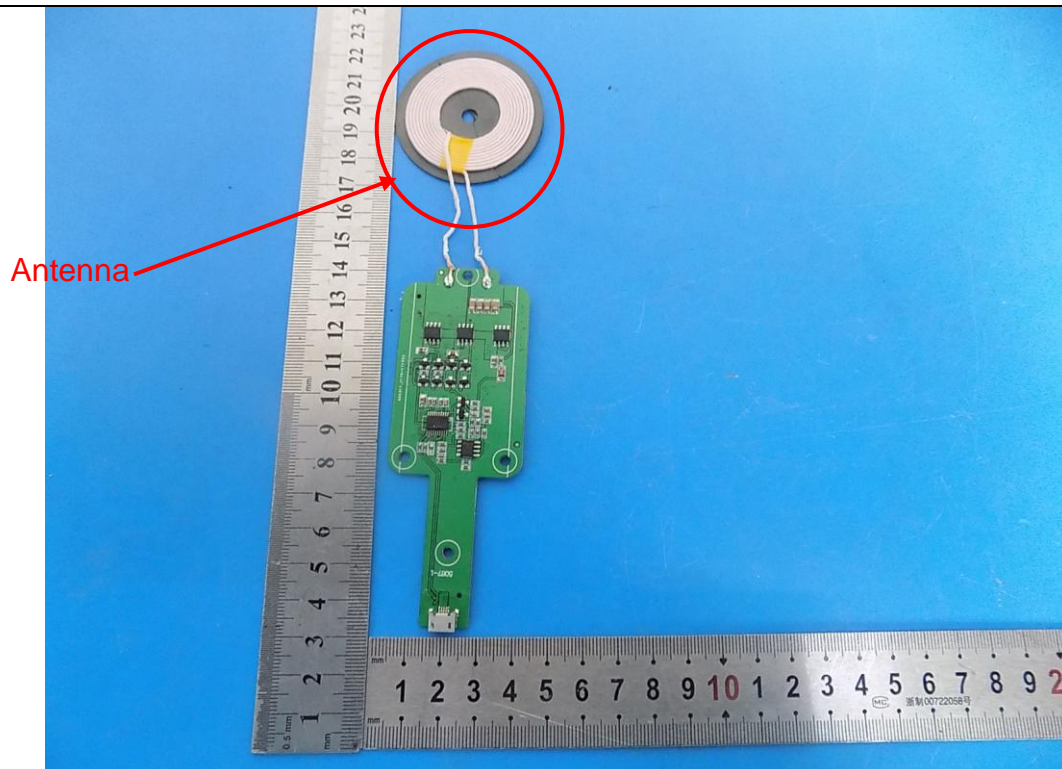
FCC Part15 C Section 15.203

**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.

**E.U.T Antenna:**

The antenna is coil antenna which permanently attached, and the best case gain of the antenna is 10dBi.





## 6.2. Conducted Emission

### 6.2.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.207														
Test Method:	ANSI C63.10:2013														
Frequency Range:	150 kHz to 30 MHz														
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto														
Limits:	<table><tr><th rowspan="2">Frequency range (MHz)</th><th colspan="2">Limit (dBuV)</th></tr><tr><th>Quasi-peak</th><th>Average</th></tr><tr><td>0.15-0.5</td><td>66 to 56*</td><td>56 to 46*</td></tr><tr><td>0.5-5</td><td>56</td><td>46</td></tr><tr><td>5-30</td><td>60</td><td>50</td></tr></table>	Frequency range (MHz)	Limit (dBuV)		Quasi-peak	Average	0.15-0.5	66 to 56*	56 to 46*	0.5-5	56	46	5-30	60	50
Frequency range (MHz)	Limit (dBuV)														
	Quasi-peak	Average													
0.15-0.5	66 to 56*	56 to 46*													
0.5-5	56	46													
5-30	60	50													
Test Setup:	<div><div><div>Reference Plane</div><div><div>40cm</div><div>80cm</div></div><div><div>E.U.T</div><div>Adapter</div><div>Test table/Insulation plane</div></div><div><div>LISN</div><div>Filter</div><div>EMI Receiver</div></div><div>AC power</div></div><p>Remark: E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m</p></div>														
Test Mode:	Charging + Transmitting Mode														
Test Procedure:	<div><div>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.</div><div>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).</div><div>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.</div></div>														
Test Result:	PASS														

**6.2.2. Test Instruments**

Conducted Emission Shielding Room Test Site (843)				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Test Receiver	R&S	ESPI	101401	Jun. 12, 2018
LISN	Schwarzbeck	NSLK 8126	8126453	Sep. 27, 2018
Coax cable (9KHz-30MHz)	TCT	CE-05	N/A	Sep. 27, 2018
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A

**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>
Note: The test results are listed in next pages. This mode is worst case mode, so this report only reflected the worst mode. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector and quasi-peak detector need not be carried out. If the limits for the measurement with the average detector are met when using a receiver with a quasi-peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.	

Site LAB

Phase: L1

Temperature: 23.6

Limit: FCC Part 15 CLASS B QP

Power: DC 5V for PC

Humidity: 54 %

EUT: Car Holder with Wireless Charger

M/N: HH-HD-W001

Mode: Full Load

Note:

Engineer Signature:

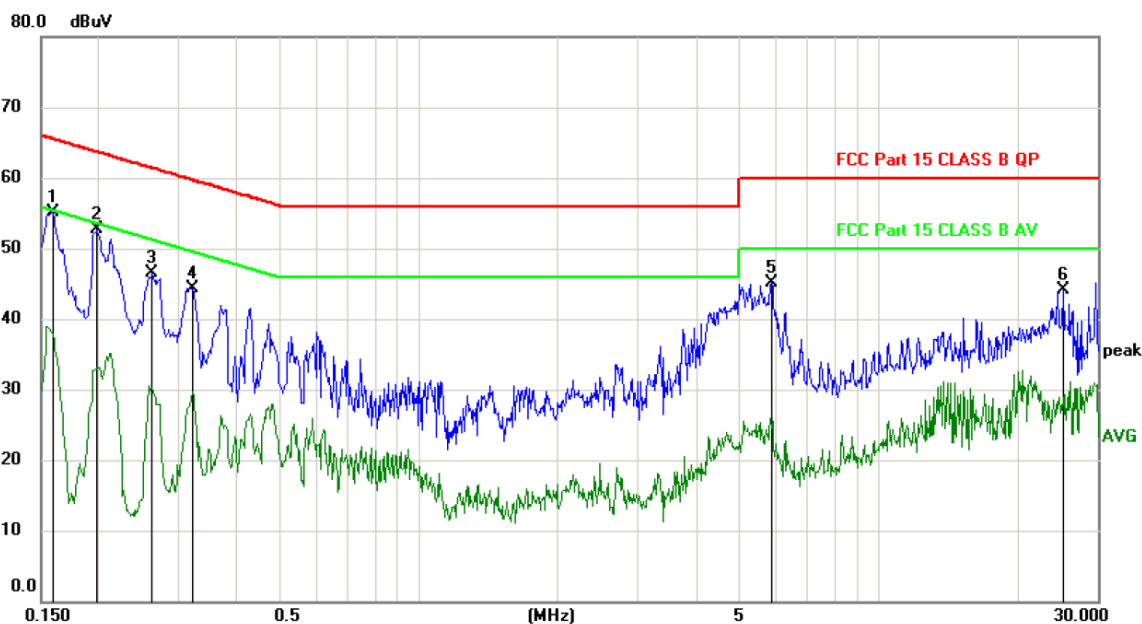
## Conducted Emission Measurement

File :

Data :#3

Date: 2017-12-13

Time: 10:59:24



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1590	45.41	9.73	55.14	65.52	-10.38	peak	
2		0.1995	43.05	9.74	52.79	63.63	-10.84	peak	
3		0.2625	36.80	9.76	46.56	61.35	-14.79	peak	
4		0.3209	34.59	9.77	44.36	59.68	-15.32	peak	
5		5.8513	34.79	10.24	45.03	60.00	-14.97	peak	
6		25.2420	33.34	10.81	44.15	60.00	-15.85	peak	

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

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

Site LAB

Phase: **N**

Temperature: 23.6

Limit: FCC Part 15 CLASS B QP

Power: DC 5V for PC

Humidity: 54 %

EUT: Car Holder with Wireless Charger

M/N: HH-HD-W001

Mode: Full Load

Note:

Engineer Signature:

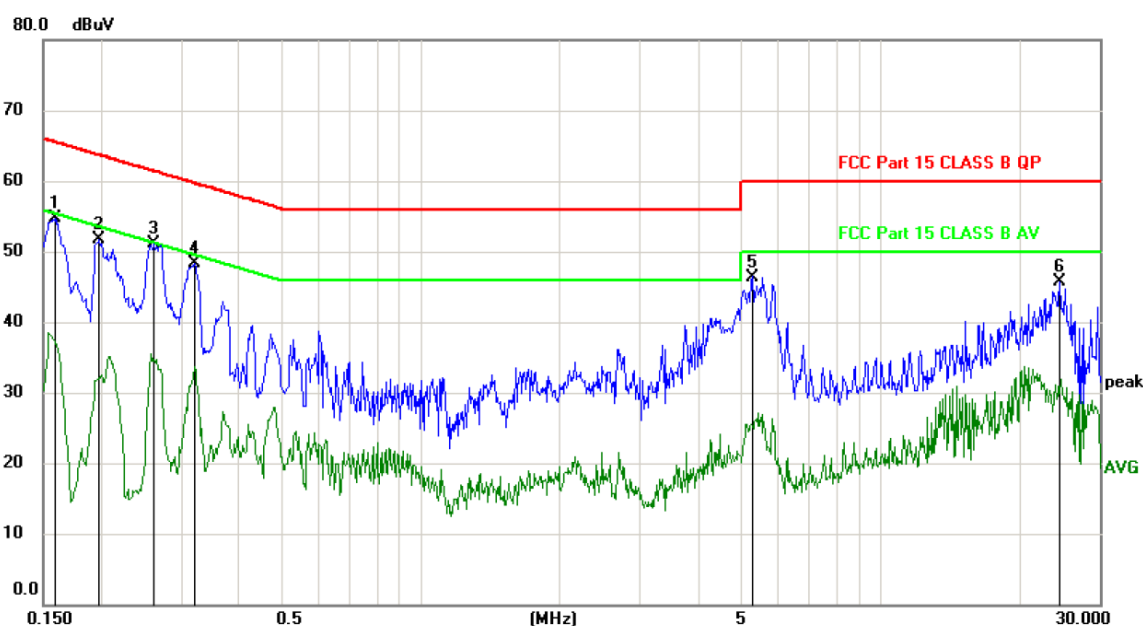
## Conducted Emission Measurement

File :

Data :#4

Date: 2017-12-13

Time: 11:01:44



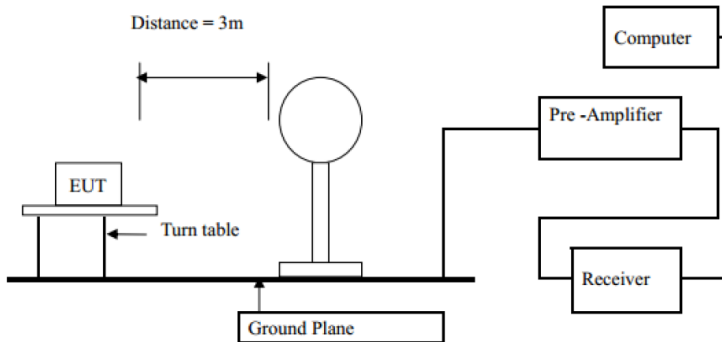
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1590	44.91	9.73	54.64	65.52	-10.88	peak	
2		0.1995	42.05	9.74	51.79	63.63	-11.84	peak	
3	*	0.2625	41.30	9.76	51.06	61.35	-10.29	peak	
4		0.3209	38.59	9.77	48.36	59.68	-11.32	peak	
5		5.2755	36.20	10.20	46.40	60.00	-13.60	peak	
6		24.5304	34.90	10.76	45.66	60.00	-14.34	peak	

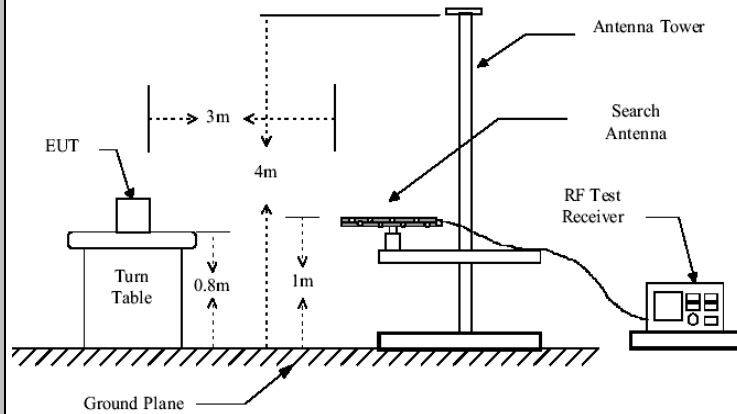
\*:Maximum data x:Over limit !:over margin

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

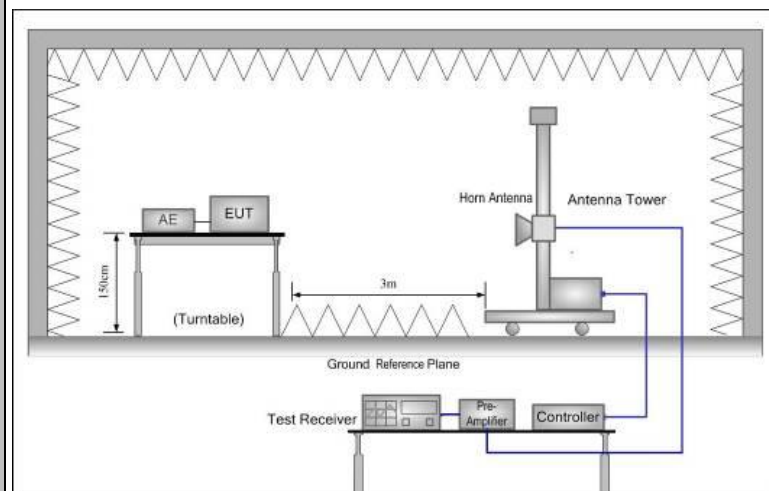
## 6.3. Radiated Spurious Emission Measurement

### 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
	9kHz- 150kHz	Quasi-peak	200Hz	1kHz
	150kHz- 30MHz	Quasi-peak	9kHz	30kHz
	30MHz-1GHz	Quasi-peak	100KHz	300KHz
	Above 1GHz	Peak	1MHz	3MHz
<b>Limit:</b>	Remark			
	Quasi-peak Value			
	Quasi-peak Value			
	Quasi-peak Value			
	Peak Value			
<b>Test setup:</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	
<b>Test setup:</b>	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			
				
	30MHz to 1GHz			



Above 1GHz



## Test Procedure:

- For the radiated emission test below 1GHz:  
The EUT was placed on a turntable with 0.8 meter above ground. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high PASS filter are used for the test in order to get better signal level.
- For the radiated emission test above 1GHz:  
Place the measurement antenna on a turntable with 1.5 meter above ground, which is away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final

	<p>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>4. Use the following spectrum analyzer settings:</p> <p>(1) Span shall wide enough to fully capture the emission being measured;</p> <p>(2) Set RBW=100 kHz for <math>f &lt; 1</math> GHz; VBW <math>\geq</math> RBW; Sweep = auto; Detector function = peak; Trace = max hold;</p> <p>(3) Set RBW = 1 MHz, VBW= 3MHz for <math>f \geq 1</math> GHz for peak measurement.</p> <p>For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW <math>\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>
Test mode:	Refer to section 4.1 for details
Test results:	PASS



### 6.3.2. Test Instruments

Radiated Emission Test Site (966)				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Test Receiver	ROHDE&SCHW ARZ	ESVD	100008	Sep. 27, 2018
Spectrum Analyzer	ROHDE&SCHW ARZ	FSQ	200061	Sep. 27, 2018
Pre-amplifier	EM Electronics Corporation CO.,LTD	EM30265	07032613	Sep. 27, 2018
Pre-amplifier	HP	8447D	2727A05017	Sep. 27, 2018
Loop antenna	ZHINAN	ZN30900A	12024	Sep. 27, 2018
Broadband Antenna	Schwarzbeck	VULB9163	340	Sep. 27, 2018
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Sep. 27, 2018
Horn Antenna	Schwarzbeck	BBH 9170	582	Jun. 07, 2018
Antenna Mast	Keleto	CC-A-4M	N/A	N/A
Coax cable (9KHz-1GHz)	TCT	RE-low-01	N/A	Sep. 27, 2018
Coax cable (9KHz-40GHz)	TCT	RE-high-02	N/A	Sep. 27, 2018
Coax cable (9KHz-1GHz)	TCT	RE-low-03	N/A	Sep. 27, 2018
Coax cable (9KHz-40GHz)	TCT	RE-high-04	N/A	Sep. 27, 2018
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A

**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 For Full Load
Test Results	: <b>PASS</b>
Note: 1. The test results are listed in next pages. 2. This mode is worst case mode, so this report only reflected the worst mode. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the quasi-peak detector need not be carried out.	

Freq.	Reading	Antenna Factor	Cable loss	Amp Factor	Result	Limit	Margin	Detect or	State
(MHz)	(dBuV/m)	dB/m	dB	dB	(dBuV/m)	(dBuV/m) at 3m	(dB)		P/F
0.11	44.95	48.34	0.16	29.87	63.58	126.77	-63.19	PK	PASS
0.11	43.04	48.34	0.16	29.87	61.67	106.77	-45.10	AV	PASS
0.175	93.89	48.34	0.16	29.87	112.52	122.95	-10.43	PK	PASS
0.175	67.72	48.34	0.16	29.87	86.35	102.95	-16.60	AV	PASS
0.22	47.60	48.38	0.17	29.89	66.26	120.76	-54.50	PK	PASS
0.22	46.53	48.38	0.17	29.89	65.19	100.76	-35.57	AV	PASS
0.31	42.70	48.44	0.19	29.89	61.44	117.78	-56.34	PK	PASS
0.31	47.92	48.44	0.19	29.89	66.66	97.78	-31.12	AV	PASS
0.41	51.78	48.47	0.19	29.89	70.55	115.35	-44.80	PK	PASS
0.41	53.45	48.47	0.19	29.89	72.22	95.35	-23.13	AV	PASS
1.963	18.78	49.12	0.20	29.94	38.16	60.00	-21.84	QP	PASS
1.958	24.23	49.12	0.20	29.94	43.61	60.00	-16.39	QP	PASS

Frequency Range	: 30MHz~1000MHz
Test Mode	: Full Load
Test Results	: <b>PASS</b>
<p>Note: 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>	

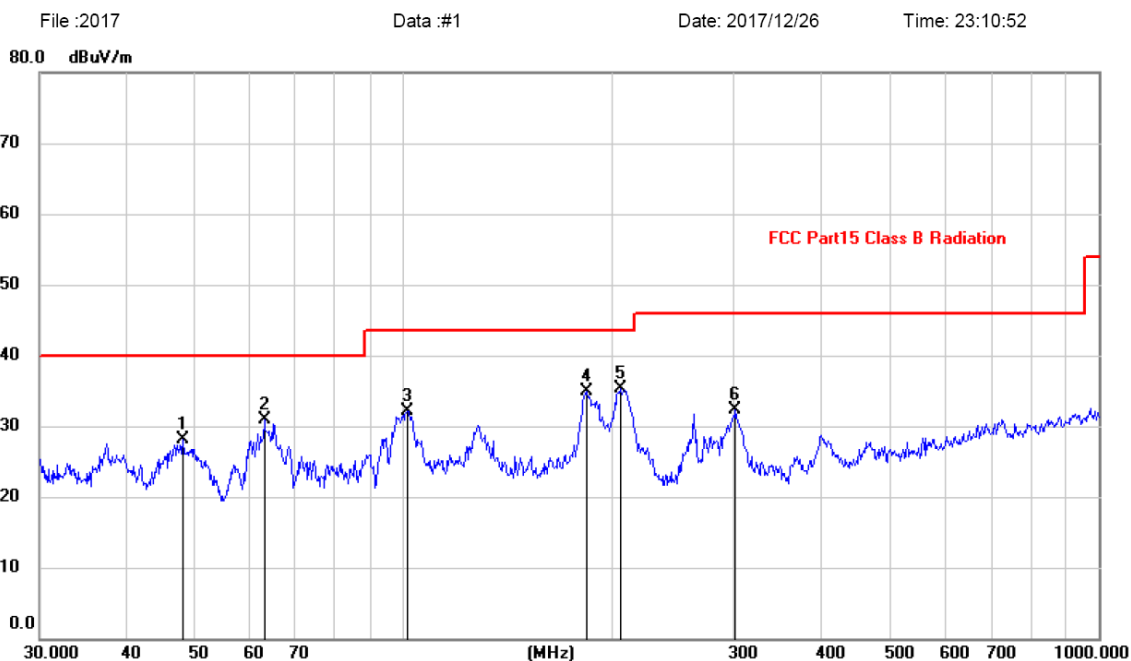
Frequency Range	: Above 1GHz	
EUT	: /	Test Date : /
M/N	: /	Temperature : /
Test Engineer	: /	Humidity : /
Test Mode	: /	
Test Results	: N/A	
<p>Note: 1. The highest frequency of the internal sources of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz. So the frequency rang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

## 30MHz-1GHz

Horizontal:

Site: LAB	Polarization: <b>Horizontal</b>	Temperature: 23.9
Limit: FCC Part15 Class B Radiation	Power: DC 5V for PC	Humidity: 46 %
EUT: Car Holder with Wireless Charger	Distance: 3m	
M/N: HH-HD-W001		
Mode: Full Load		
Note:		
Engineer Signature:		

### 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	Detector	cm	degree
1		48.3316	14.39	13.67	28.06	40.00	-11.94	peak		
2		63.0915	18.64	12.19	30.83	40.00	-9.17	peak		
3		101.2883	21.46	10.73	32.19	43.50	-11.31	peak		
4		183.2005	23.07	11.76	34.83	43.50	-8.67	peak		
5	*	206.3975	24.71	10.56	35.27	43.50	-8.23	peak		
6		301.4223	18.82	13.51	32.33	46.00	-13.67	peak		

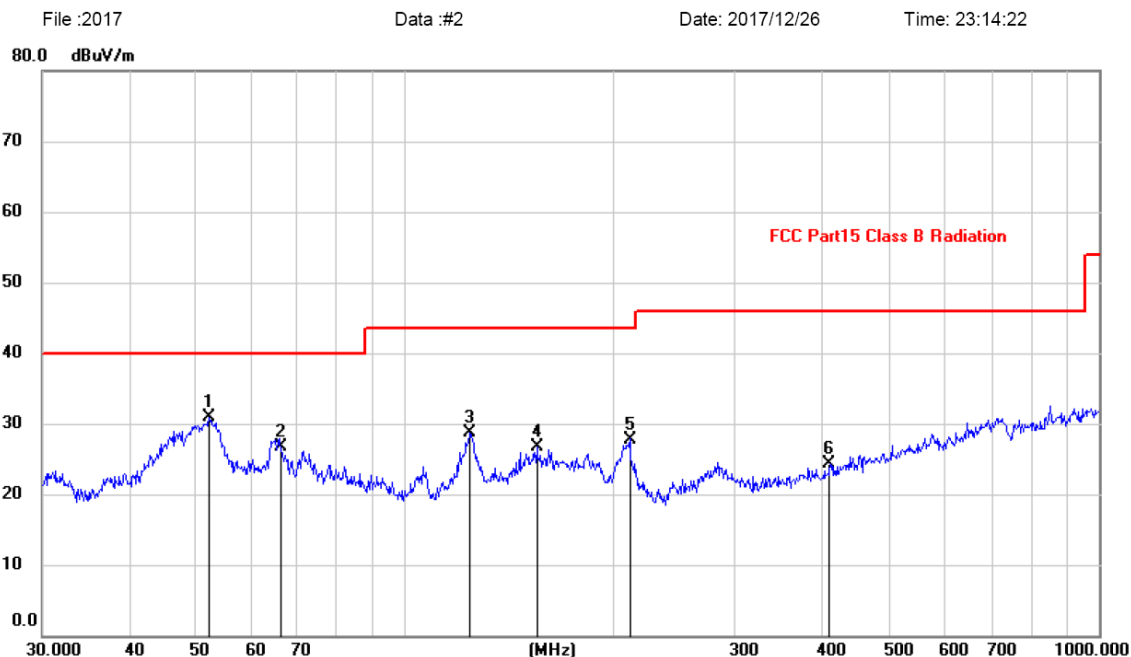
Note:1. \*:Maximum data; x:Over limit; !:over margin.

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

## Vertical:

Site LAB	Polarization: <b>Vertical</b>	Temperature: 23.9
Limit: FCC Part15 Class B Radiation	Power: DC 5V for PC	Humidity: 46 %
EUT: Car Holder with Wireless Charger	Distance: 3m	
M/N: HH-HD-W001		
Mode: Full Load		
Note:		
Engineer Signature:		

## 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	*	52.3911	17.28	13.55	30.83	40.00	-9.17	peak		
2		66.2660	14.97	11.76	26.73	40.00	-13.27	peak		
3		124.1329	15.87	12.86	28.73	43.50	-14.77	peak		
4		154.8204	12.13	14.56	26.69	43.50	-16.81	peak		
5		210.7860	17.07	10.73	27.80	43.50	-15.70	peak		
6		410.3824	8.43	15.93	24.36	46.00	-21.64	peak		

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

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

#### 6.3.4. Test Specification

<b>Test Requirement:</b>	FCC Part15 C Section 15.215(c)
<b>Test Method:</b>	ANSI C63.10: 2013
<b>Limit:</b>	N/A
<b>Test Procedure:</b>	<ol style="list-style-type: none"> <li>1. According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT.</li> <li>2. Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>3. Use the following spectrum analyzer settings for 20dB Bandwidth measurement. Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel; RBW <math>\geq</math> 1% of the 20 dB bandwidth; VBW <math>\geq</math> RBW; Sweep = auto; Detector function = peak; Trace = max hold.</li> <li>4. Measure and record the results in the test report.</li> </ol>
<b>Test setup:</b>	 <p style="text-align: center;">Spectrum Analyzer                      EUT</p>
<b>Test Mode:</b>	Refer to section 4.1 for details
<b>Test results:</b>	PASS

#### 6.3.5. Test Instruments

RF Test Room				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	R&S	FSU	200054	Aug. 11, 2018

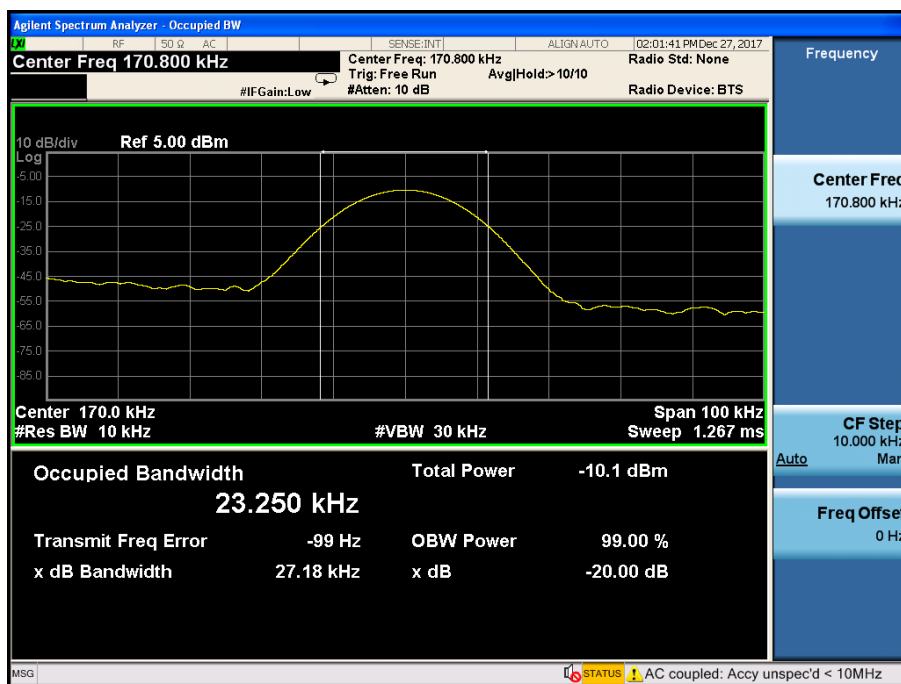
**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

## 6.3.6. Test data

Frequency(KHz)	20dB Occupy Bandwidth (kHz)	Limit (kHz)	Conclusion
170.0	27.18	---	PASS

Test plots as follows:

Lowest channel

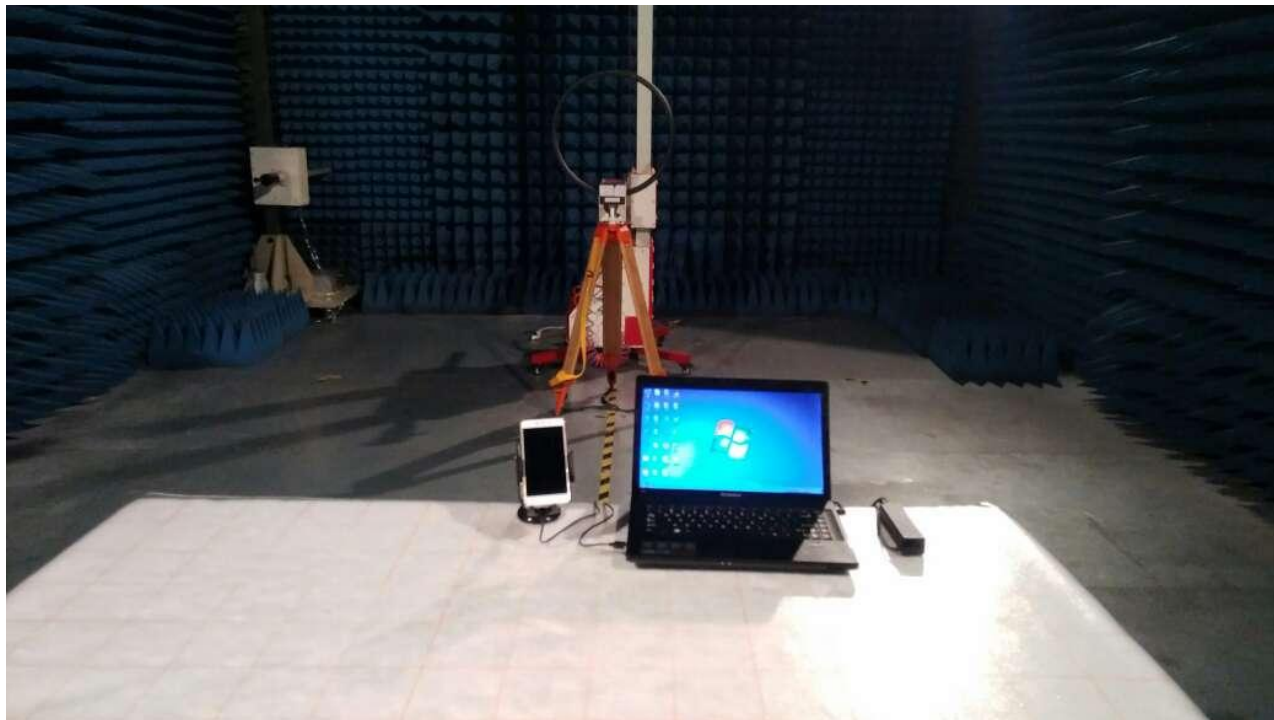


## Appendix A: Photographs of Test Setup

Product: Car Holder with Wireless Charger

Model: HH-HD-W001

Radiated Emission





Conducted Emission



**Appendix B: Photographs of EUT**  
**Product: Car Holder with Wireless Charger**  
**Model: HH-HD-W001**  
**External Photos**







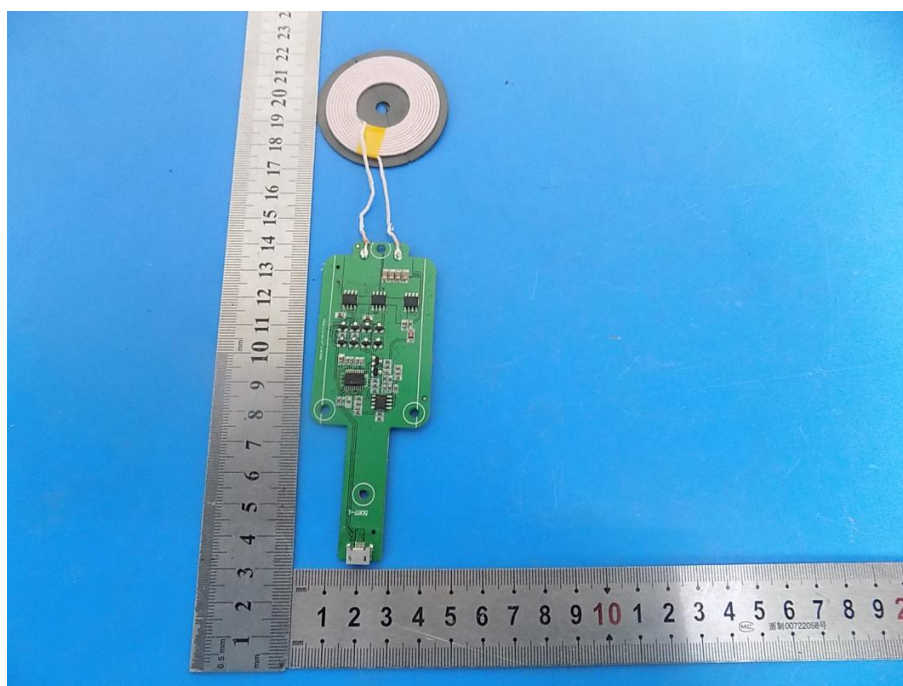
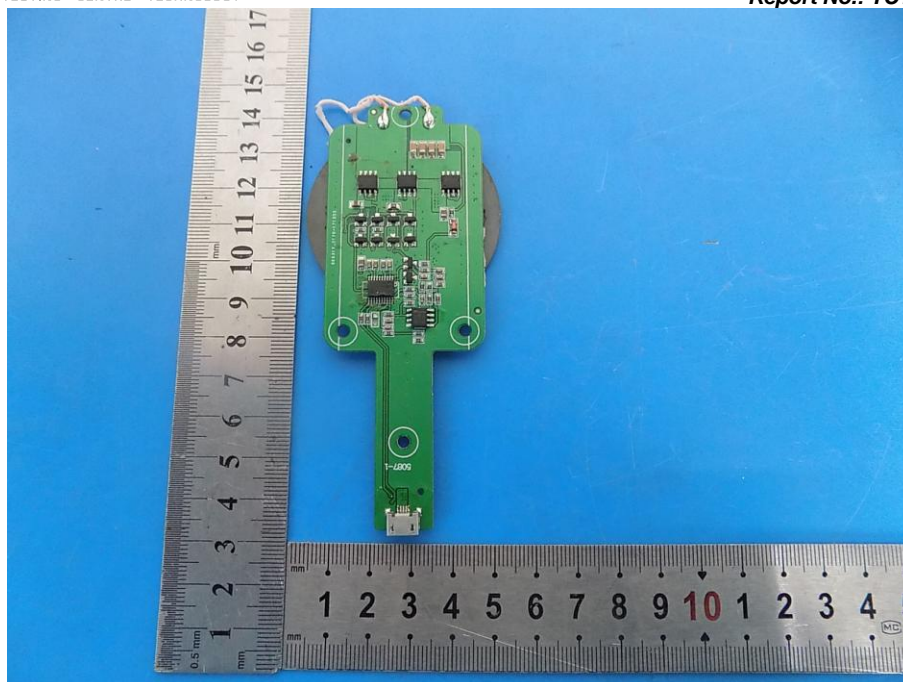


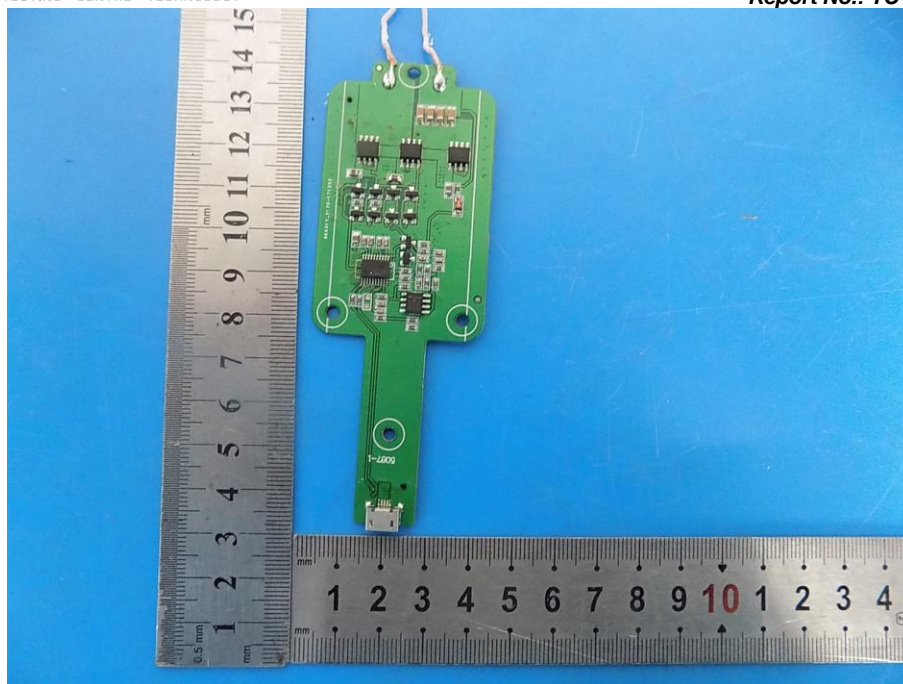


**Product: Car Holder with Wireless Charger**  
**Model: HH-HD-W001**  
**Internal Photos**









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