

TECHNICAL REPORT



Report No.: FCC1903034  
File reference No.: 2019-03-27

Applicant: RUII Industrial(HK)Co.,Ltd

Product: Wireless Charger

Model No.: D5, DW-03

Trademark: N/A

Test Standards: FCC Part 15 Subpart C

Test result: It is herewith confirmed and found to comply with the requirements set up by ANSI C63.4&FCC Part 15 Subpart C for the evaluation of electromagnetic compatibility

Approved By

*Jack Chung*

---

Jack Chung

Manager

Dated: March 27, 2019

**Results appearing herein relate only to the sample tested**

**The technical reports is issued errors and omissions exempt and is subject to withdrawal at**

**SHENZHEN TIMEWAY TESTING LABORATORIES**

**Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China**

Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com



### **Special Statement:**

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meets with ISO/IEC-17025 requirements, which is approved by CNAS. This approval result is accepted by MRA of APLAC.

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

#### **CNAS-LAB Code: L2292**

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:1999 General Requirements) for the Competence of testing Laboratories.

#### **FCC-Registration No.: 744189**

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.:744189.

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Test Report Conclusion

Content

<b>1.0</b>	<b>General Details</b> .....	4
1.1	Test Lab Details.....	4
1.2	Applicant Details.....	4
1.3	Description of EUT .....	4
1.4	Submitted Sample.....	4
1.5	Test Duration.....	5
1.6	Test Uncertainty.....	5
1.7	Test By.....	5
<b>2.0</b>	<b>List of Measurement Equipment</b> .....	6
<b>3.0</b>	<b>Technical Details</b> .....	7
3.1	Summary of Test Results.....	7
3.2	Test Standards.....	7
<b>4.0</b>	<b>EUT Modification</b> .....	7
<b>5.0</b>	<b>Power Line Conducted Emission Test</b> .....	8
5.1	Schematics of the Test.....	8
5.2	Test Method and Test Procedure.....	8
5.3	Configuration of the EUT.....	8
<b>5.4</b>	<b>EUT Operating Condition</b> .....	9
<b>5.5</b>	<b>Conducted Emission Limit</b> .....	9
<b>5.6</b>	<b>Test Result</b> .....	9
<b>6.0</b>	<b>Radiated Emission test</b> .....	14
6.1	Test Method and Test Procedure.....	14
6.2	Configuration of the EUT.....	15
6.3	EUT Operation Condition.....	15
6.4	Radiated Emission Limit.....	15
6.5	Test Result.....	16
7.0	20dB Bandwidth Test.....	23
8.0	Antenna Requirement.....	25
9.0	FCC Label.....	26
10.0	Photo of Testing.....	27

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**1.0 General Details**

**1.1 Test Lab Details**

Name : SHENZHEN TIMEWAY TESTING LABORATORIES.  
 Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China  
 Telephone: +86 755 83448688  
 Fax: +86 755 83442996  
 Site on File with the Federal Communications Commission – United Sates  
 Registration Number: 744189  
 For 3m Anechoic Chamber

**1.2 Applicant Details**

Applicant: RUII Industrial(HK)Co.,Ltd  
 Address: Unit B,4th, East Building,Lushi Industrial Building, Baoan district, Shenzhen  
 Telephone: 13828862954  
 Fax: 075582592119

**1.3 Description of EUT**

Product: Wireless Charger  
 Manufacturer: RUII Industrial(HK)Co.,Ltd  
 Address: Unit B,4th, East Building,Lushi Industrial Building, Baoan district, Shenzhen  
 Brand Name: N/A  
 Model Number: D5  
 Additional Model Name DW-03  
 Additional Trade Name N/A  
 Rating: Input: DC5V, 2 A (Normal charge) or DC9V, 1.67A (fast charge);  
 Operation Frequency: See below table

Channel	Frequency (MHz)						
01	0.1115	06	0.140	11	0.165	16	0.190
02	0.120	07	0.145	12	0.170	17	0.195
03	0.125	08	0.150	13	0.175	18	0.200
04	0.130	09	0.155	14	0.180	19	0.205
05	0.135	10	0.160	15	0.185		

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Teas channel	Frequency (MHz)
CH13	0.175 MHz

Modulation Type: MSK  
Antenna Designation Inductive Loop Antenna with Gain 0dBi

1.4 Submitted Sample  
1 Samples

1.5 Test Duration  
2019-03-06 to 2019-03-26

1.6 Test Uncertainty  
Conducted Emissions Uncertainty =3.6dB  
Radiated Emissions below 9kHz-30MHz Uncertainty =4.3dB  
Radiated Emissions below 30MHz-1GHz Uncertainty =4.7dB  
Radiated Emissions above 1GHz Uncertainty =6.0dB  
Conducted Power Uncertainty =6.0dB  
Occupied Channel Bandwidth Uncertainty =5%

1.7 Test Engineer   
The sample tested by \_\_\_\_\_  
Print Name: Terry Tang

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<b>2.0 Test Equipment</b>					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2018-06-22	2019-06-21
Ultra Broadband ANT	R&S	HL562	100157	2018-06-18	2019-06-17
Loop Antenna	EMCO	6507	00078608	2018-06-25	2019-06-24
Spectrum	R&S	FSIQ26	100292	2018-06-22	2019-06-21
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2018-06-25	2019-06-24
Horn Antenna	R&S	BBHA 9120D	9120D-631	2018-08-24	2019-08-23
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2018-07-04	2019-07-03
9*6*6 Anechoic	--	--	N/A	2018-02-07	2021-02-06
Spectrum	HP/Agilent	ESA-L1500A	US37451154	2018-06-22	2019-06-21
Spectrum	HP/Agilent	E4407B	MY50441392	2018-03-27	2019-03-26
Spectrum	RS	FSP	1164.4391.38	2019-01-18	2020-01-17
RF Cable	Zhengdi	ZT26-NJ-NJ-8 M/FA	--	2018-05-24	2019-05-23
RF Cable	Zhengdi	7m	--	2018-03-17	2019-03-16
RF Switch	EM	EMSW18	060391	2018-06-22	2019-06-21
Pre-Amplifier	Schwarebeck	BBV9743	#218	2018-06-22	2019-06-21
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2018-08-05	2019-08-04
DC Power Supply	Jingtong	JT12098	WYK-305	2018.08.20	2019-08-19
LISN	SCHAFFNER	NNB42	00012	2019-01-08	2020-01-07

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### 3.0 Technical Details

#### 3.1 Summary of test results

<b>The EUT has been tested according to the following specifications:</b>			
<b>Standard</b>	<b>Test Type</b>	<b>Result</b>	<b>Notes</b>
FCC Part 15, Paragraph 15.203	Antenna requirements	<b>PASS</b>	Compliant
FCC Part 15, Paragraph 15.207	Conducted Emission Test	<b>PASS</b>	Compliant
FCC Part 15, Paragraph 15.209 (a) (f)	General Requirement	<b>PASS</b>	Compliant
FCC Part 15, Paragraph 15.215	20dB Bandwidth Testing	<b>PASS</b>	Compliant

#### 3.2 Test Standards

**FCC Part 15 Subpart C , ANSI C63.4 :2014 and ANSI C63.10 :2013**

#### 4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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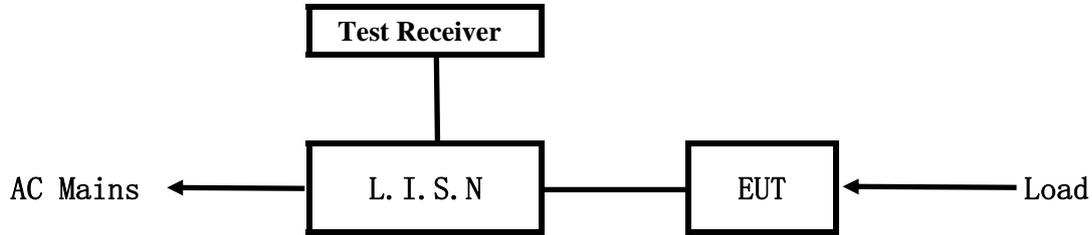
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**5. Power Line Conducted Emission Test**

5.1 Schematics of the test

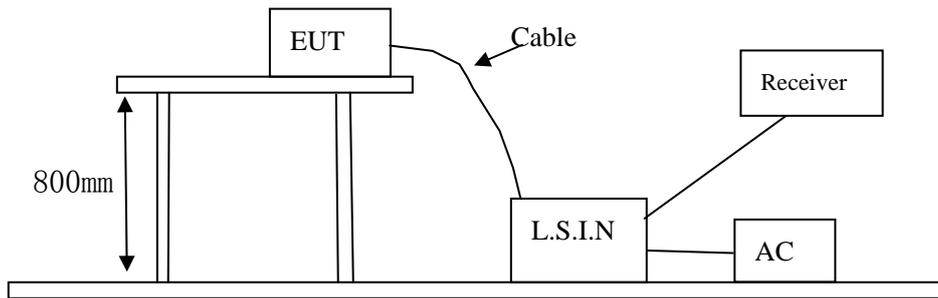


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2013. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10-2013.

Block diagram of Test setup



5.3 Configuration of The EUT

The EUT was configured according to ANSI C63.10-2013. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

A. EUT

Device	Manufacturer	Model	FCC ID
Wireless Charger	RUII Industrial(HK)Co.,Ltd	D5, DW-03	2ASPF-D5

B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	Rating

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Power Supply	h.TV	S012BES0500200	Input:100-240V~, 50/60Hz,0.5A; Output: DC5V, 2A
	GW	GW-TCQC3-A1	Input:100-240V~, 50/60Hz,0.5A; Output: DC5V, 3A or DC9V, 2A or DC12V, 1.5A

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10 -2013.

A Setup the EUT and simulators as shown on follow

B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency (MHz)	Class A Limits (dB $\mu$ V)		Class B Limits (dB $\mu$ V)	
	Quasi-peak Level	Average Level	Quasi-peak Level	Average Level
0.15 ~ 0.50	79.0	66.0	66.0~56.0*	56.0~46.0*
0.50 ~ 5.00	73.0	60.0	56.0	46.0
5.00 ~ 30.00	73.0	60.0	60.0	50.0

- Notes: 1. \*Decreasing linearly with logarithm of frequency.  
2. The tighter limit shall apply at the transition frequencies

5.6 Test Results

The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz. (The average detector is necessary when the Quasi-peak emission level beyond the average Limit.)

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**A: Conducted Emission on Live Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

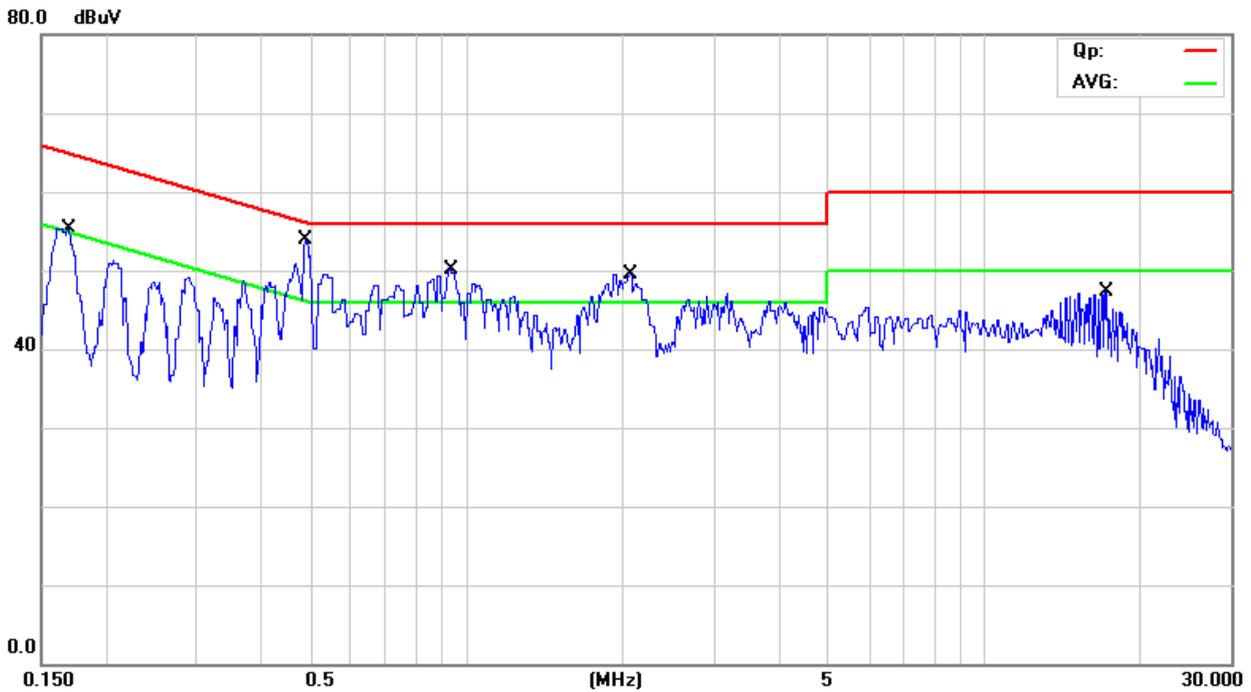
Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Keep Transmitting (Normal Charge)**

**Equipment Level: Class B**

**Results: PASS**

Please refer to following diagram for individual



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1700	38.40	9.77	48.17	64.96	-16.79	QP	
2		0.1700	1.10	9.77	10.87	54.96	-44.09	AVG	
3	*	0.4862	38.70	9.77	48.47	56.23	-7.76	QP	
4		0.4862	9.00	9.77	18.77	46.23	-27.46	AVG	
5		0.9301	34.20	9.79	43.99	56.00	-12.01	QP	
6		0.9301	3.30	9.79	13.09	46.00	-32.91	AVG	
7		2.0734	33.00	9.80	42.80	56.00	-13.20	QP	
8		2.0734	3.40	9.80	13.20	46.00	-32.80	AVG	
9		17.1712	22.00	10.51	32.51	60.00	-27.49	QP	
10		17.1712	-4.10	10.51	6.41	50.00	-43.59	AVG	

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**B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

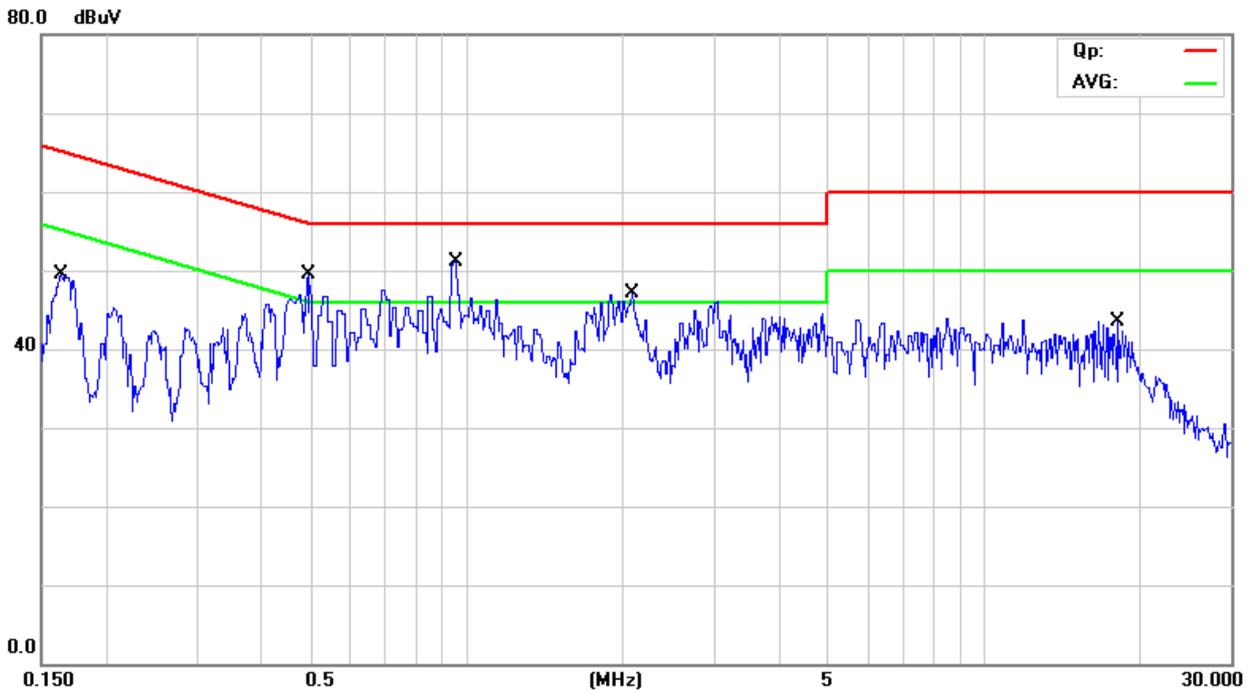
Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Keep Transmitting (Normal Charge)**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1645	36.50	9.77	46.27	65.23	-18.96	QP	
2		0.1645	9.80	9.77	19.57	55.23	-35.66	AVG	
3	*	0.4961	32.80	9.77	42.57	56.07	-13.50	QP	
4		0.4961	7.40	9.77	17.17	46.07	-28.90	AVG	
5		0.9517	32.00	9.79	41.79	56.00	-14.21	QP	
6		0.9517	3.10	9.79	12.89	46.00	-33.11	AVG	
7		2.0808	28.10	9.80	37.90	56.00	-18.10	QP	
8		2.0808	3.20	9.80	13.00	46.00	-33.00	AVG	
9		18.1342	30.00	10.57	40.57	60.00	-19.43	QP	
10		18.1342	5.00	10.57	15.57	50.00	-34.43	AVG	

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**C: Conducted Emission on Live Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

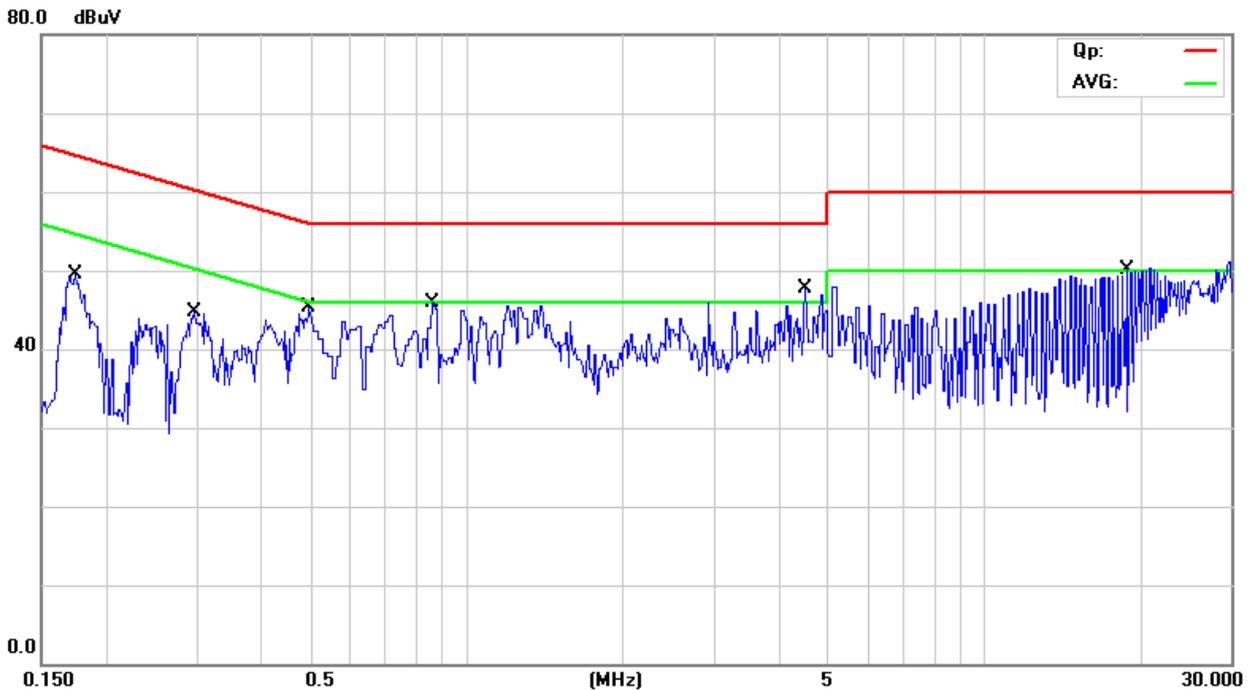
Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Keep Transmitting (Fast Charge)**

**Equipment Level: Class B**

**Results: PASS**

Please refer to following diagram for individual



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1744	34.40	9.77	44.17	64.75	-20.58	QP	
2		0.1744	-0.10	9.77	9.67	54.75	-45.08	AVG	
3		0.2954	32.40	9.76	42.16	60.37	-18.21	QP	
4		0.2954	0.20	9.76	9.96	50.37	-40.41	AVG	
5		0.4941	30.80	9.77	40.57	56.10	-15.53	QP	
6		0.4941	-4.70	9.77	5.07	46.10	-41.03	AVG	
7		0.8600	30.80	9.79	40.59	56.00	-15.41	QP	
8		0.8600	-0.40	9.79	9.39	46.00	-36.61	AVG	
9		4.5066	25.10	9.91	35.01	56.00	-20.99	QP	
10		4.5066	-1.30	9.91	8.61	46.00	-37.39	AVG	
11	*	18.8183	37.30	10.61	47.91	60.00	-12.09	QP	
12		18.8183	14.40	10.61	25.01	50.00	-24.99	AVG	

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**D: Conducted Emission on Neutral Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

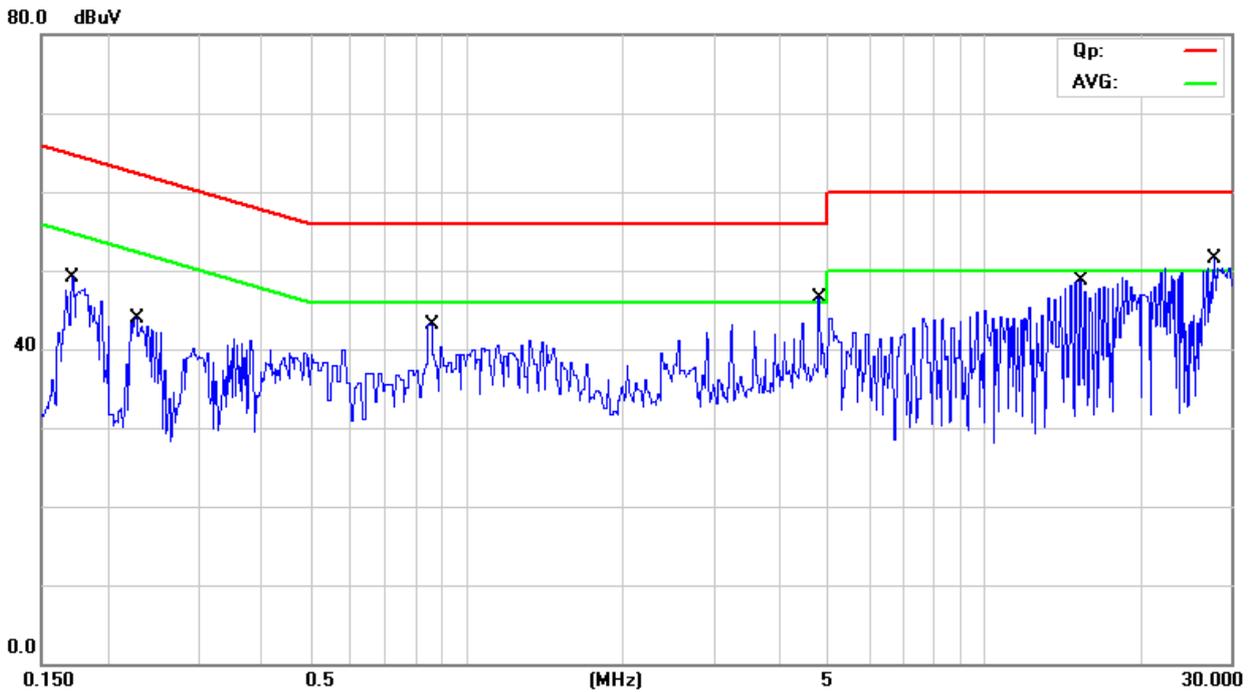
Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Keep Transmitting (Fast Charge)**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1724	33.00	9.77	42.77	64.84	-22.07	QP	
2		0.1724	-5.70	9.77	4.07	54.84	-50.77	AVG	
3		0.2291	25.70	9.75	35.45	62.48	-27.03	QP	
4		0.2291	-4.60	9.75	5.15	52.48	-47.33	AVG	
5		0.8536	26.80	9.79	36.59	56.00	-19.41	QP	
6		0.8536	0.40	9.79	10.19	46.00	-35.81	AVG	
7		4.7810	30.70	9.92	40.62	56.00	-15.38	QP	
8		4.7810	1.20	9.92	11.12	46.00	-34.88	AVG	
9	*	15.3684	37.80	10.40	48.20	60.00	-11.80	QP	
10		15.3684	14.50	10.40	24.90	50.00	-25.10	AVG	
11		27.8347	23.00	11.17	34.17	60.00	-25.83	QP	
12		27.8347	-10.00	11.17	1.17	50.00	-48.83	AVG	

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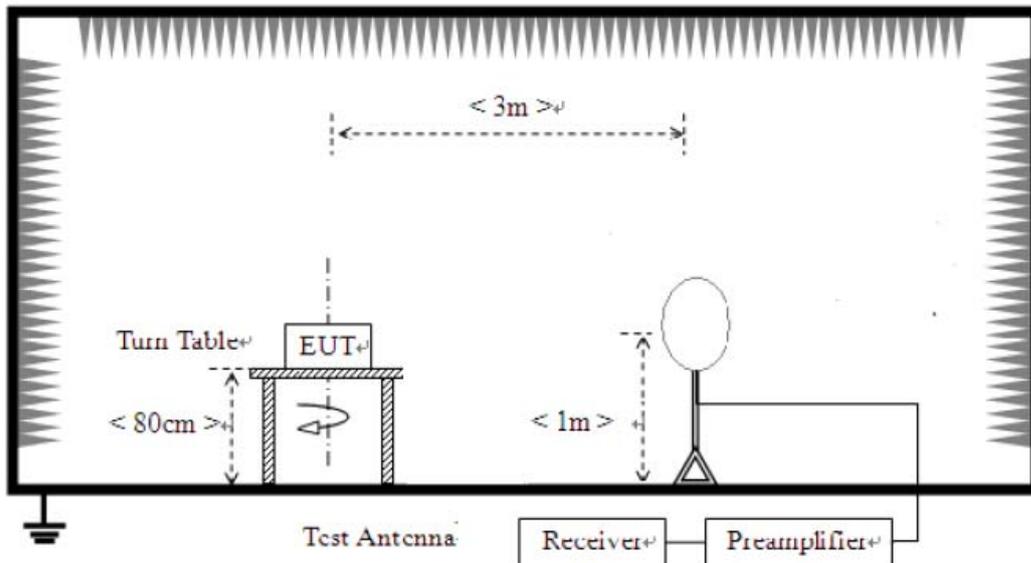
## 6 Radiated Emission Test

### 6.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at TIMEWAY EMC Laboratory. This site is on file with the FCC laboratory division, Registration No.744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 9 kHz to 1 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with RBW=120 kHz/VBW=300 kHz; All readings from 9 kHz to 30 MHz are quasi-peak values with RBW=10 kHz/VBW=30 kHz. For the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz Radiated emission test in these three bands are based on measurements employing an average detector. Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance is with all installation combinations. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dB of specification limit), and are distinguished with a "QP" in the data table.
- (6) The antenna polarization: Vertical polarization and Horizontal polarization.

### Block diagram of Test setup

#### 9kHz-30MHz



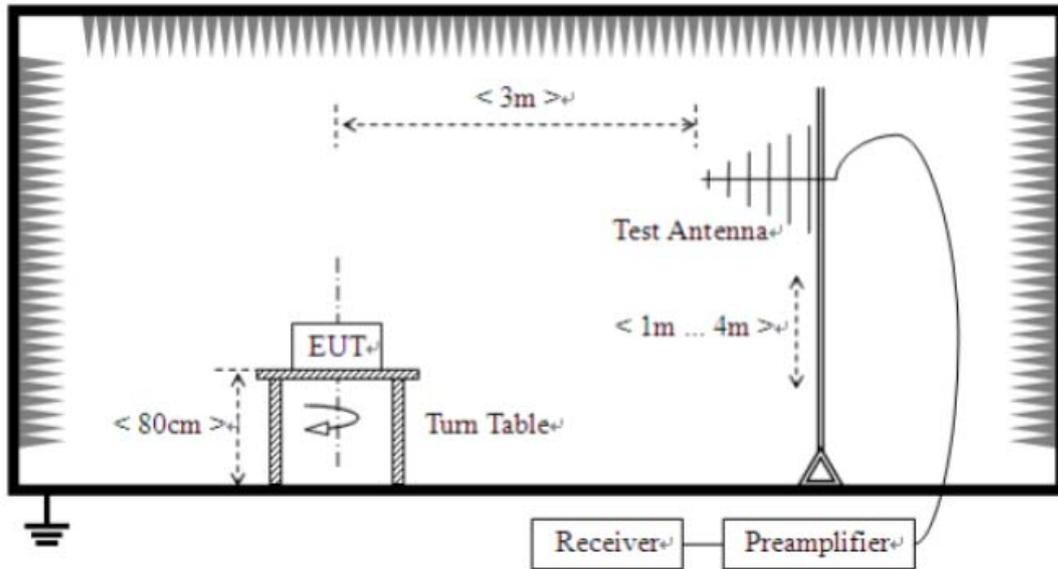
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**30MHz-1000MHz**



6.2 Configuration of The EUT

Same as section 5.3 of this report

6.3 EUT Operating Condition

Same as section 5.4 of this report.

6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

**B. Frequencies in restricted band are compiled to limit on Paragraph 15.209.**

**Limits for frequency below 30MHz**

Frequency Range (MHz)	Distance (m)	Field strength (V/m)
0.009-0.490	300	2400/F(kHz)
0.490-1.705	30	2400/F(kHz)
1.705-30	30	30

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**Limits for frequency above 30MHz**

Frequency Range (MHz)	Distance (m)	Field strength (dB $\mu$ V/m)
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

- Note:
1. RF Voltage (dBuV) = 20 log RF Voltage ( $\mu$ V)
  2. In the Above Table, the tighter limit applies at the band edges.
  3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
  4. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

**6.5 Test result**

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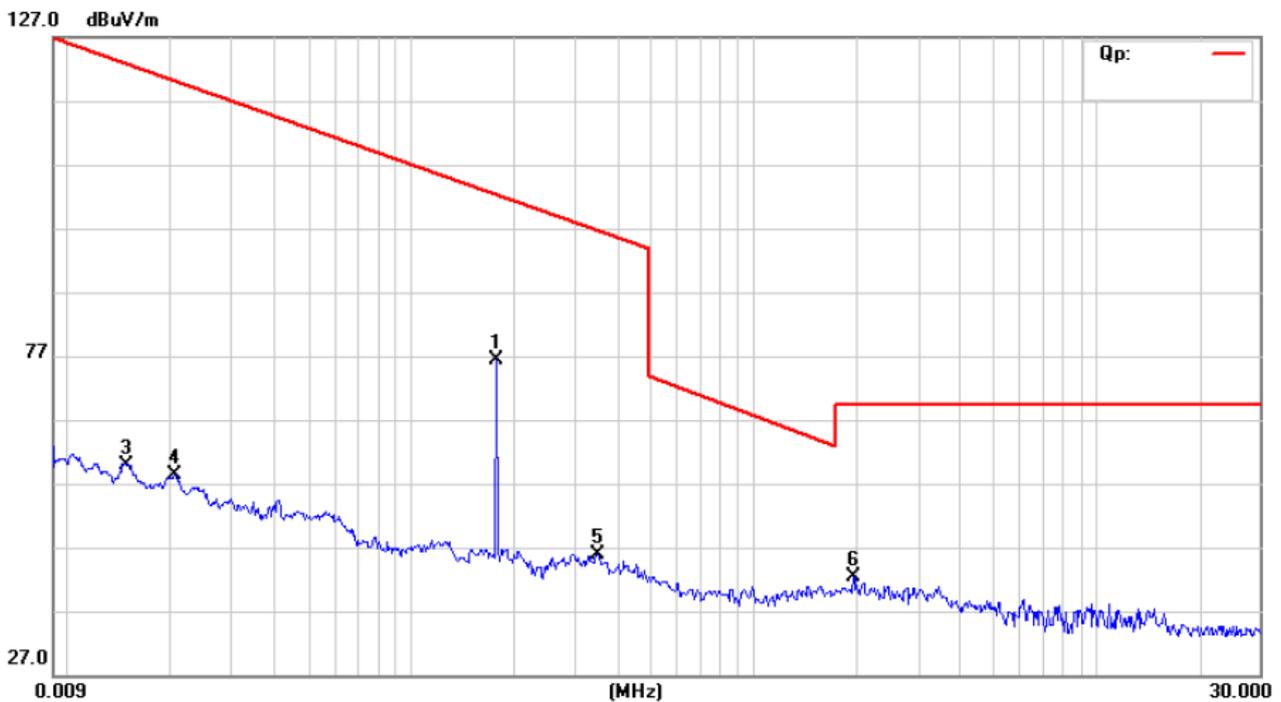
**Measurement data:**

**Note: Limit dBuV/m @3m = Limit dBuV/m @300m+ 80**

**Limit dBuV/m @3m = Limit dBuV/m @30m + 40**

**Normal Charge**

**9 kHz~30 MHz**



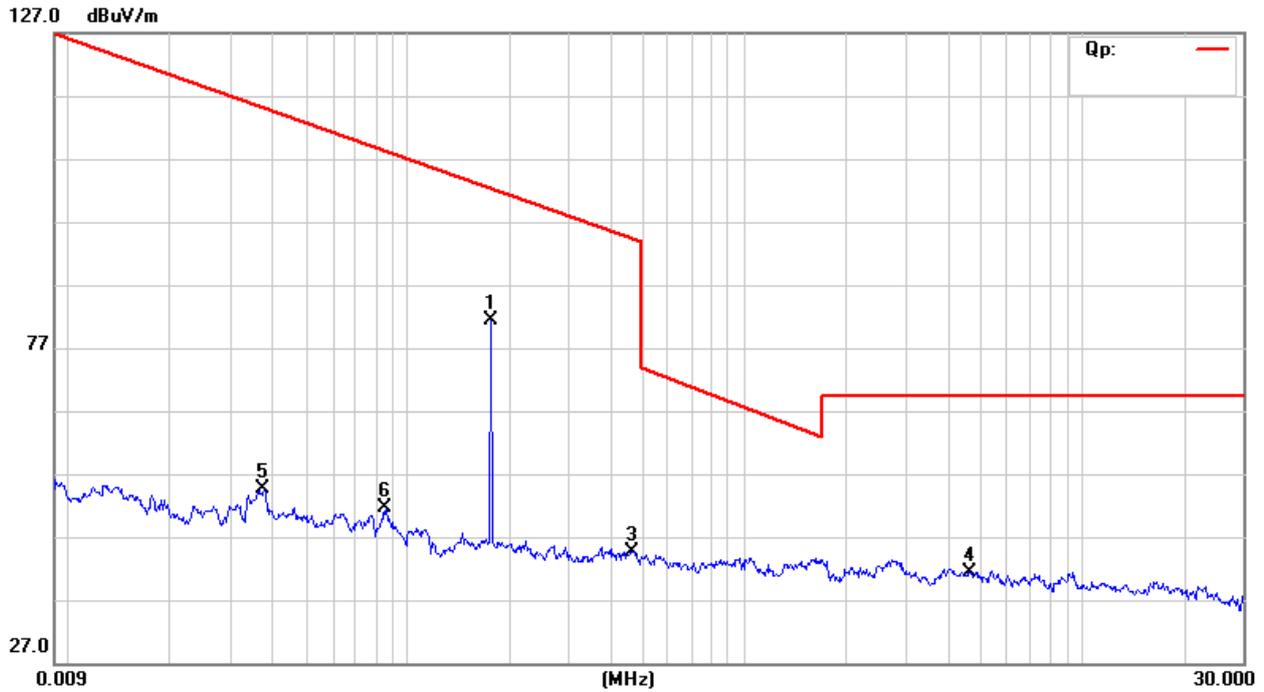
No.	Mk.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	0.1750	66.49	9.77	76.26	102.7	-26.46	peak
2		0.1750	58.41	9.77	68.18	102.7	-34.54	AVG
3		0.0150	49.79	10.17	59.96	124.0	-64.12	peak
4		0.0206	47.96	10.35	58.31	121.3	-63.02	peak
5		0.3470	36.14	9.76	45.90	96.80	-50.90	peak
6		1.9512	32.60	9.80	42.40	69.50	-27.10	peak

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**Fast Charge**

**9 kHz~30 MHz**



No.	Mk.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	0.1750	71.58	9.77	81.35	102.7	-21.39	peak	
2		0.1750	66.96	9.77	76.73	102.7	-26.01	AVG	
3		0.4641	34.94	9.77	44.71	94.27	-49.56	peak	
4		4.6287	31.48	9.91	41.39	69.53	-28.14	peak	
5		0.0374	44.53	10.04	54.57	116.1	-61.58	peak	
6		0.0858	41.72	9.79	51.51	108.9	-57.42	peak	

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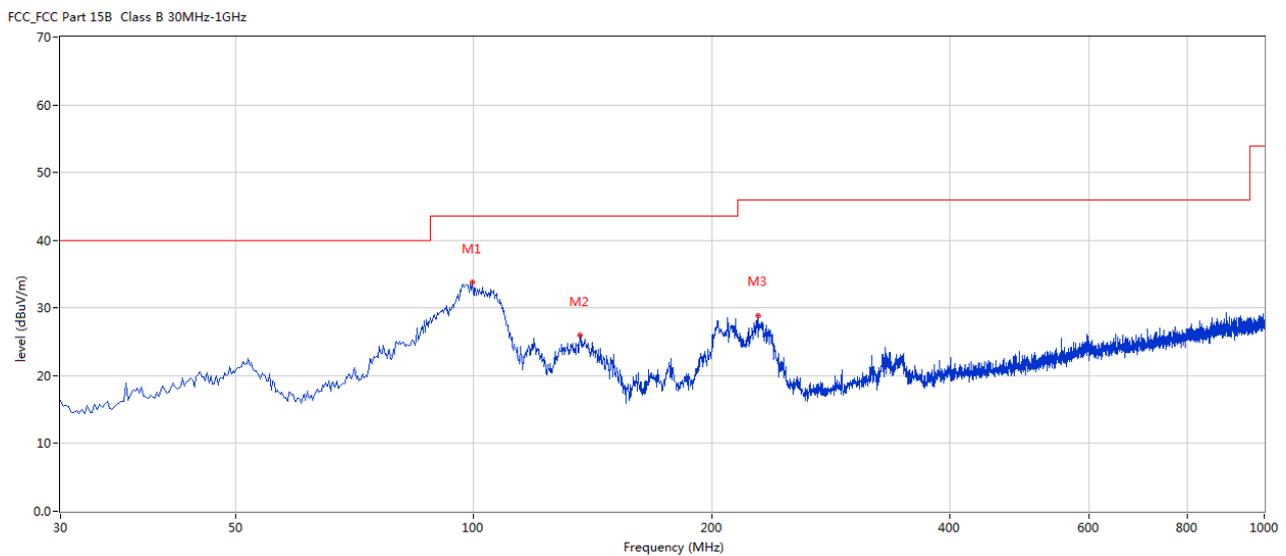


**A. General Radiated Emission Data**  
**Radiated Emission In Horizontal (30MHz----1000MHz)**

EUT set Condition: Keep Transmitting (Normal Charge)

**Results: Pass**

Please refer to following diagram for individual



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	99.580	33.73	-13.60	43.5	-9.77	Peak	186.00	200	H	Pass
2	136.188	25.99	-17.16	43.5	-17.51	Peak	346.00	200	H	Pass
3	228.800	28.91	-12.72	46.0	-17.09	Peak	104.00	100	H	Pass

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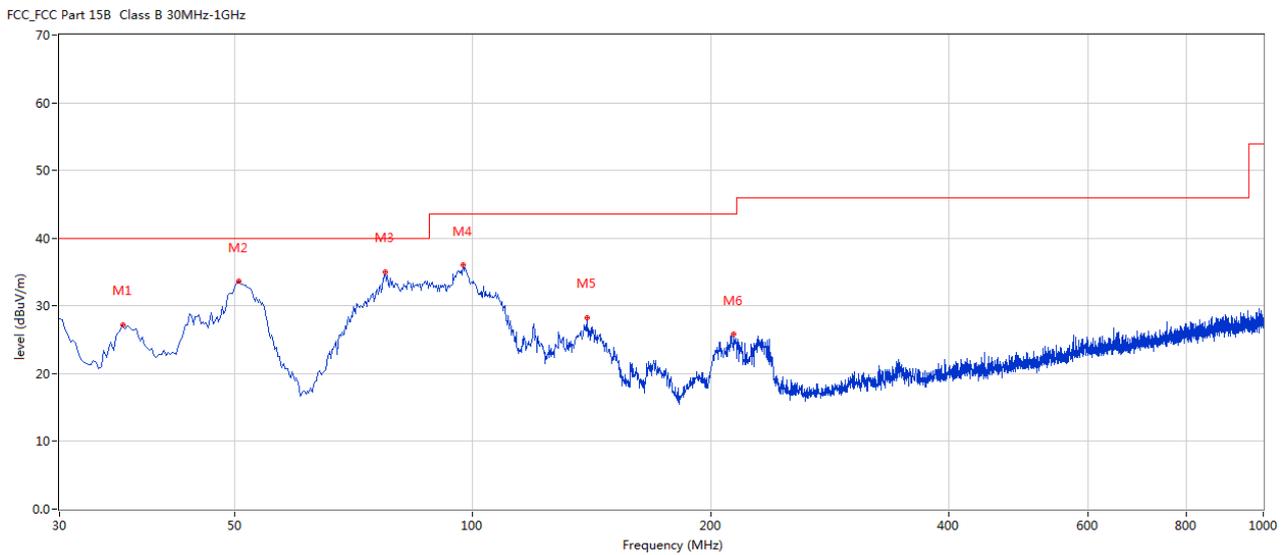
**B. General Radiated Emission Data**

**Radiated Emission In Vertical (30MHz----1000MHz)**

EUT set Condition: Keep Transmitting (Normal Charge)

**Results: Pass**

Please refer to following diagram for individual



No.	Frequen cy (MHz)	Results (dBuV/m )	Factor (dB)	Limit (dBuV/m )	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	36.061	27.16	-13.68	40.0	-12.84	Peak	186.00	100	V	Pass
2	50.607	33.68	-11.39	40.0	-6.32	Peak	280.00	100	V	Pass
3	77.518	34.99	-17.56	40.0	-5.01	Peak	244.00	100	V	Pass
4	97.156	36.10	-13.90	43.5	-7.40	Peak	0.00	200	V	Pass
5	139.340	28.22	-17.19	43.5	-15.28	Peak	70.00	100	V	Pass
6	213.769	25.84	-13.61	43.5	-17.66	Peak	186.00	100	V	Pass

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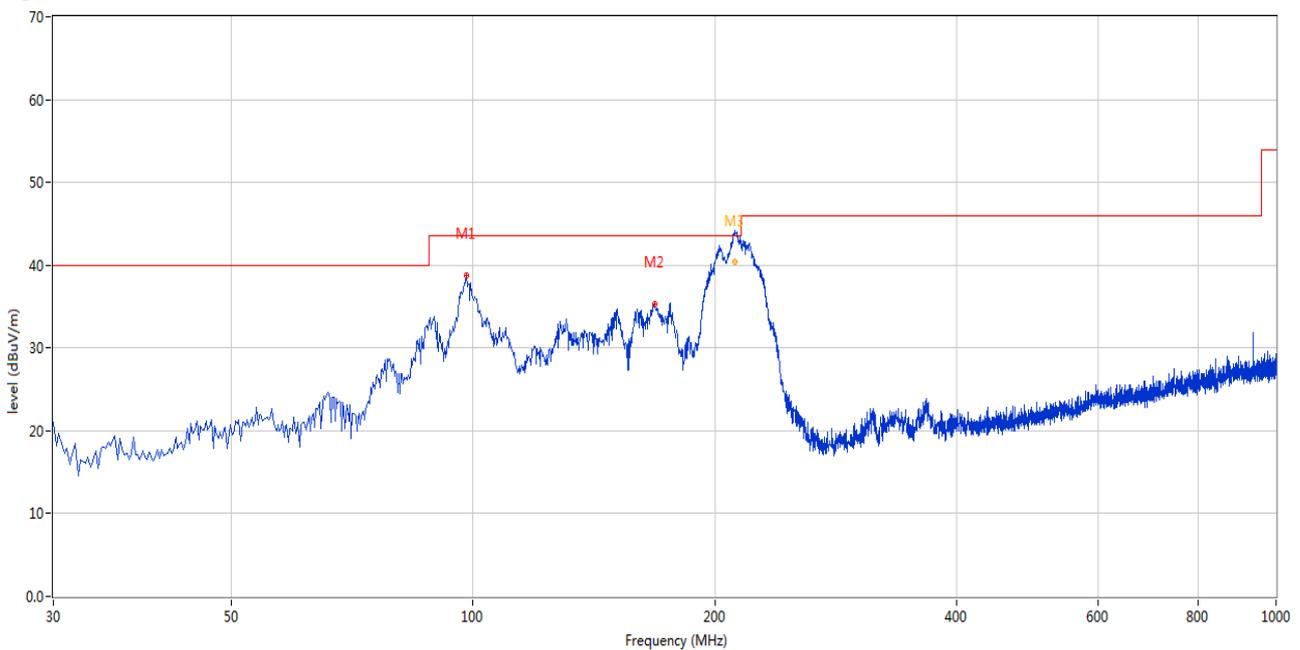
**C. General Radiated Emission Data**  
**Radiated Emission In Horizontal (30MHz----1000MHz)**

EUT set Condition: Keep Transmitting (Fast Charge)

**Results: Pass**

Please refer to following diagram for individual

FCC\_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	98.125	38.83	-13.73	43.5	-4.67	Peak	2.00	200	H	Pass
2	168.190	35.34	-16.14	43.5	-8.16	Peak	283.00	200	H	Pass
3	211.632	42.73	-13.68	43.5	-0.77	Peak	286.00	146	H	Pass
3*	211.632	40.37	-13.68	43.5	-3.13	QP	286.00	146	H	Pass

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**D. General Radiated Emission Data**

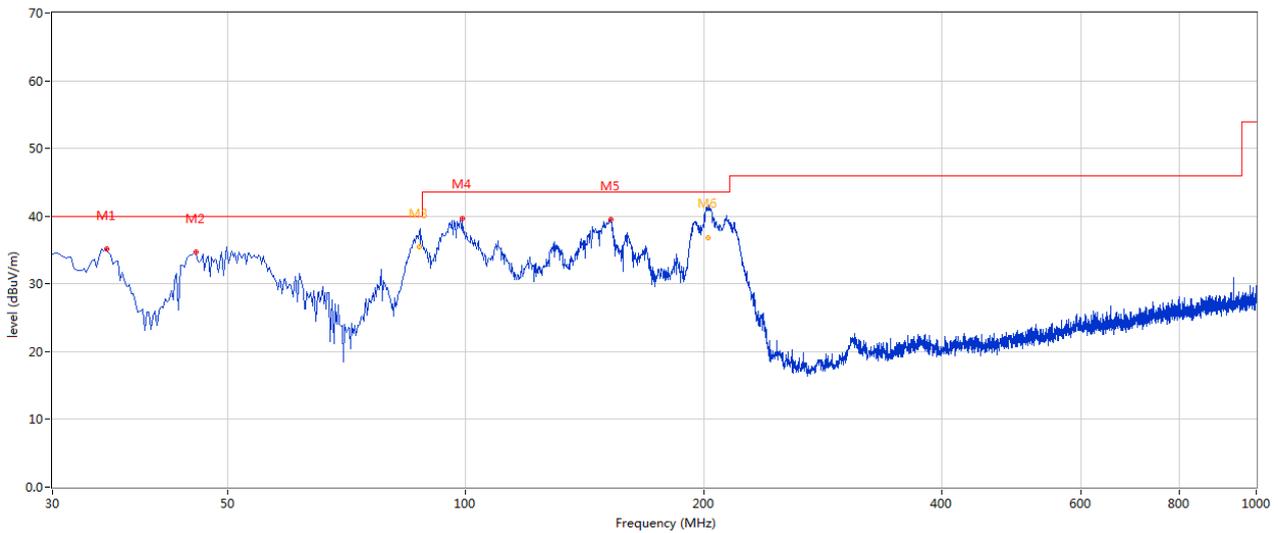
**Radiated Emission In Vertical (30MHz----1000MHz)**

EUT set Condition: Keep Transmitting (Fast Charge)

**Results: Pass**

Please refer to following diagram for individual

FCC\_FCC Part 15B Class B 30MHz-1GHz



No.	Frequen cy (MHz)	Results (dBuV/m )	Factor (dB)	Limit (dBuV/m )	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	35.091	35.12	-14.00	40.0	-4.88	Peak	80.00	100	V	Pass
2	45.516	34.71	-11.39	40.0	-5.29	Peak	281.00	100	V	Pass
3	87.264	38.32	-15.72	40.0	-1.68	Peak	182.00	130	V	Pass
3*	87.264	35.44	-15.72	40.0	-4.56	QP	182.00	130	V	Pass
4	99.095	39.70	-13.66	43.5	-3.80	Peak	233.00	100	V	Pass
5	152.432	39.43	-16.90	43.5	-4.07	Peak	236.00	100	V	Pass
6	202.515	39.20	-13.40	43.5	-4.30	Peak	322.00	100	V	Pass
6*	202.515	36.83	-13.40	43.5	-6.67	QP	322.00	100	V	Pass

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## 7.0 20dB Bandwidth Testing

### 7.1 Test Procedure

With the EUT's antenna attached, the EUT's 20dB Bandwidth was received by the test antenna which was connected to the spectrum analyzer with the START and STOP frequencies set to the EUT's operation band.

### 7.3 Test Data

Frequency (MHz)	20dB Bandwidth Emission (kHz)	Limit (kHz)	Result
0.175	3.28	--	Pass

---

**Measurement under Fast Charge Mode---and it was the worst case.**

Refer to attached plots:

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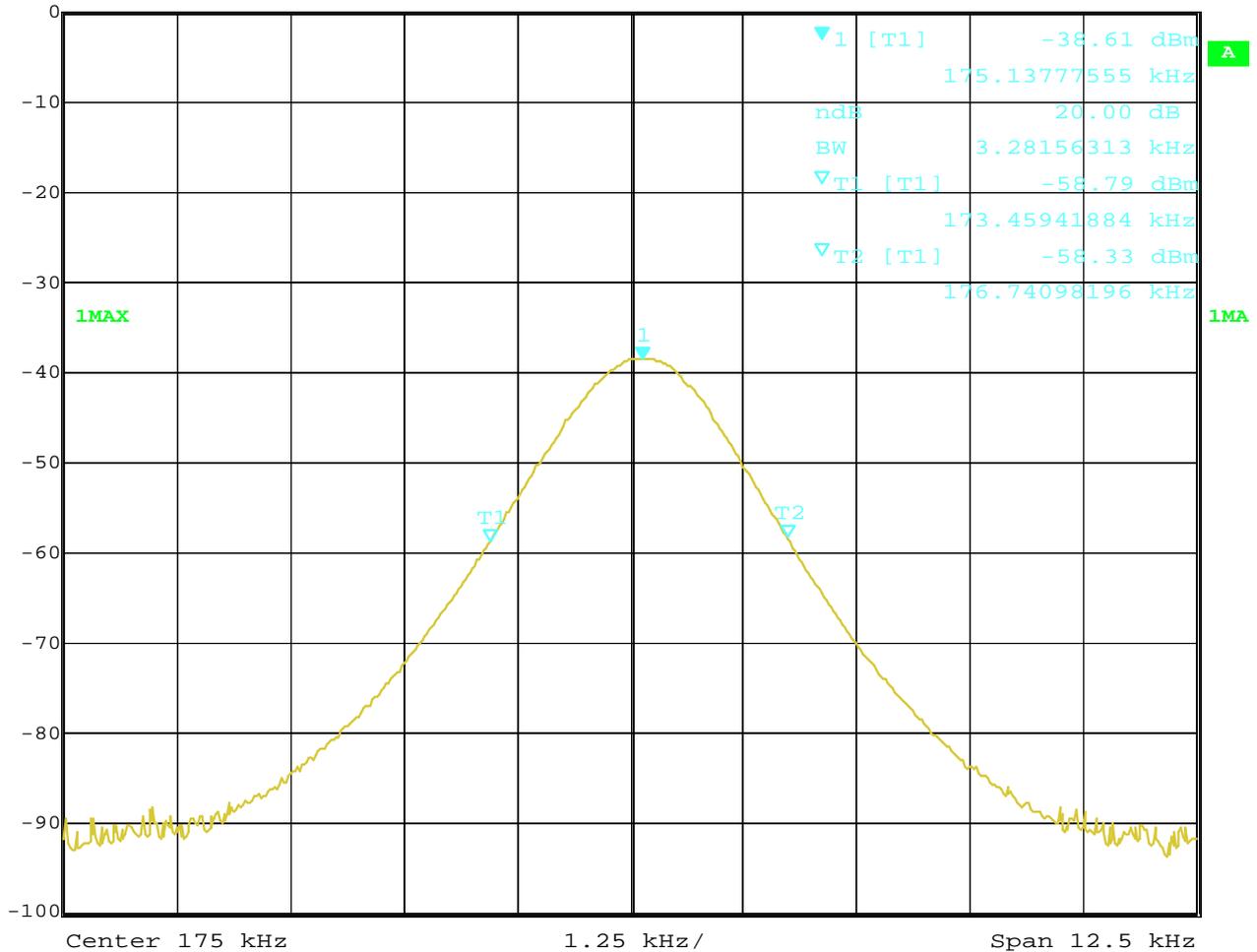
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20dB Bandwidth



Ref Lvl	0 dBm	Marker 1 [T1 ndB]	20.00 dB	RBW	1 kHz	RF Att	20 dB
		BW	3.28156313 kHz	VBW	3 kHz	Unit	dBm
		SWT	150 ms				



Date: 25.MAR.2019 09:59:07

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## 8.0 Antenna Requirement

### 8.1 Standard Applicable

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 shall be considered sufficient to comply with the provisions of this Section. 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. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

### 8.2 Antenna Connected constructions

The antenna is Inductive Loop Antenna. The antenna gain is 0dBi. So it meets the requirement of 15.203

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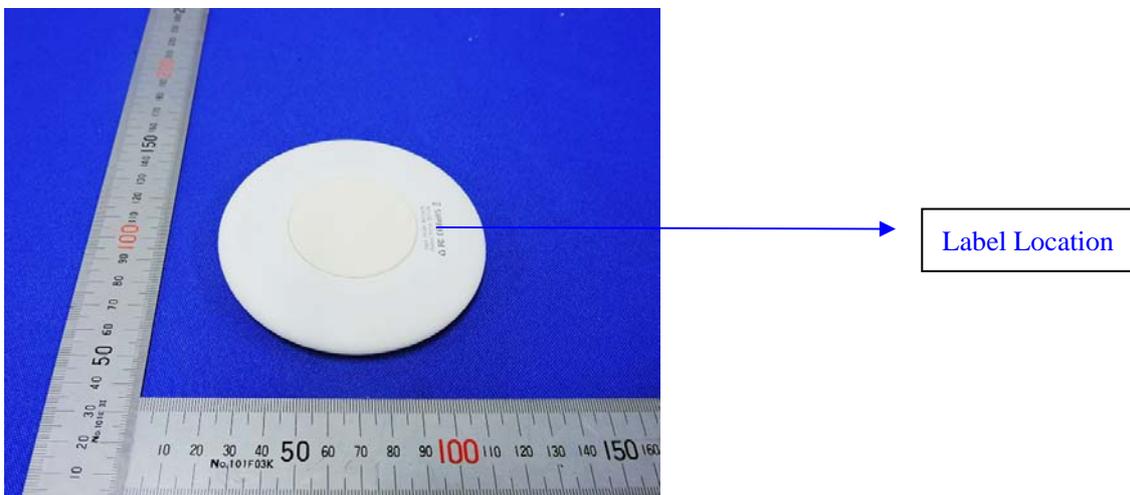
## 9.0 FCC ID Label

### FCC ID: 2ASPF-D5

**This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.**

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

### Mark Location:



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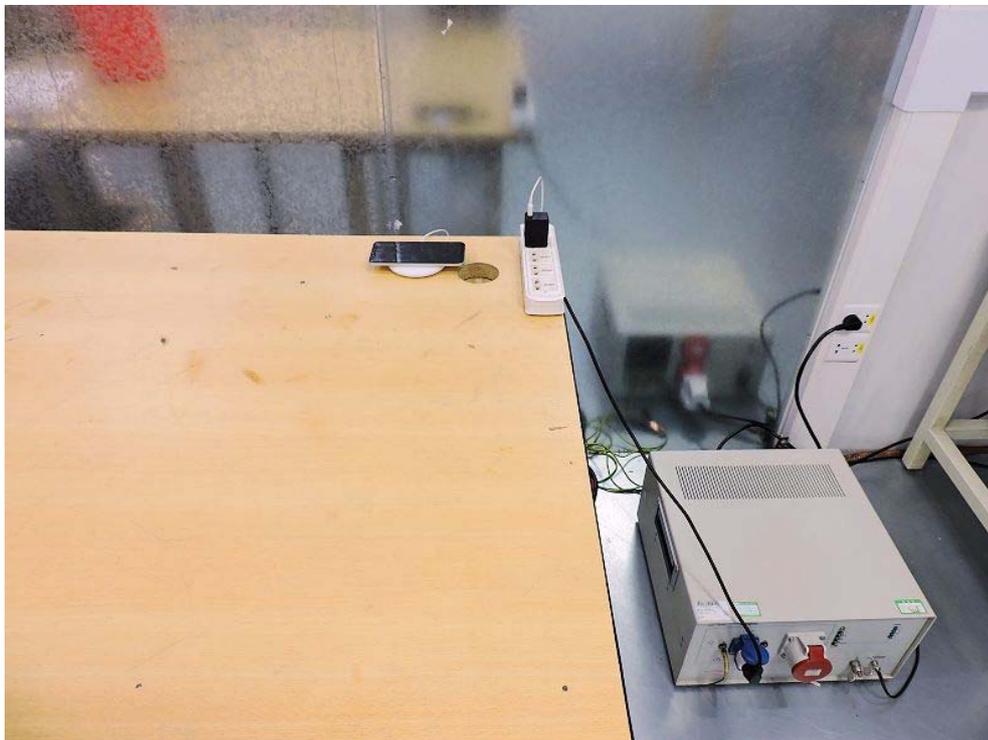
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**10.0. Photo of testing**

10.1 Conducted test View



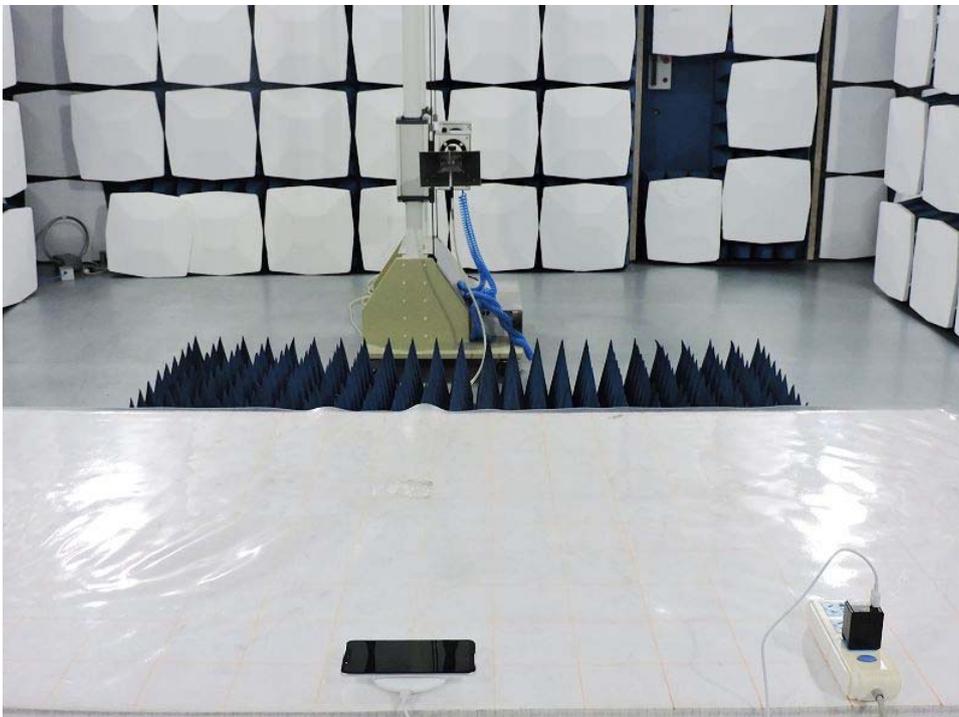
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10.2 Radiated emission test view



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Photo for the EUT

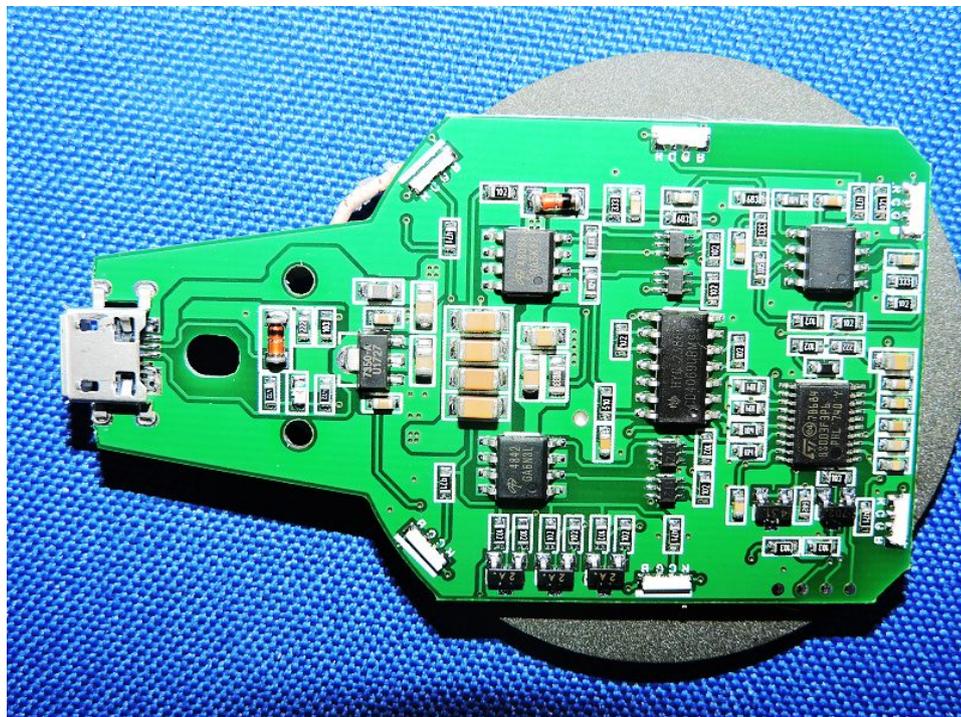
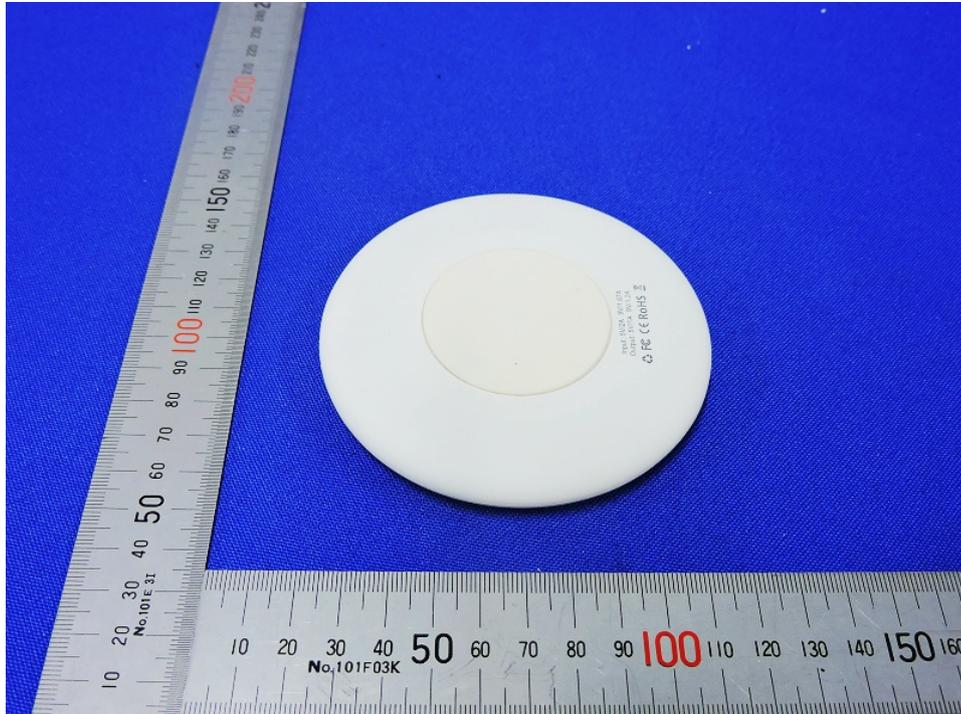


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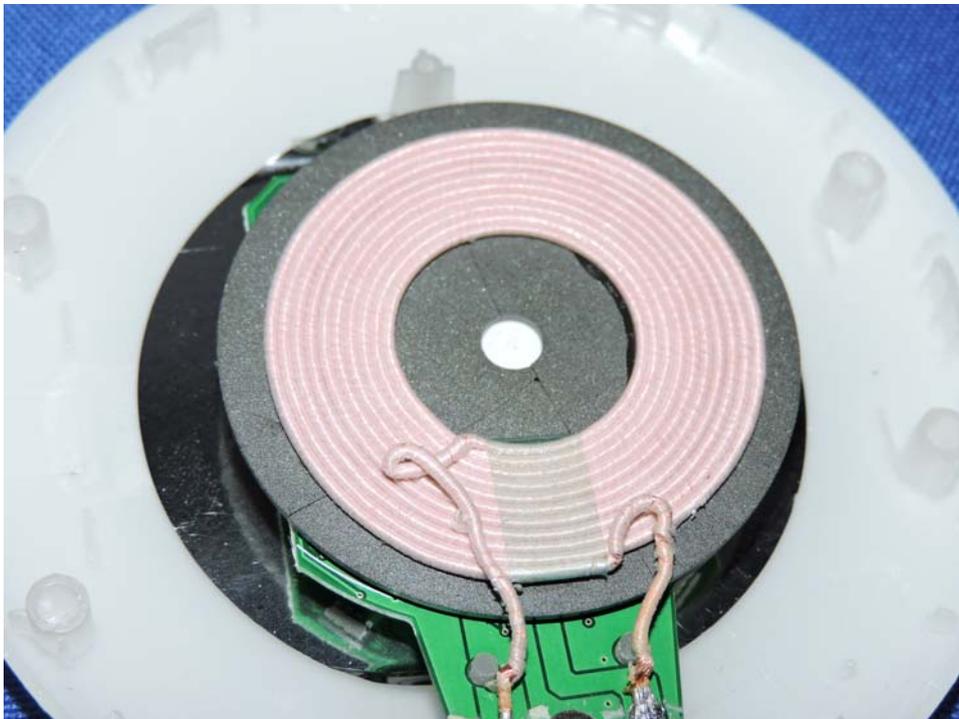
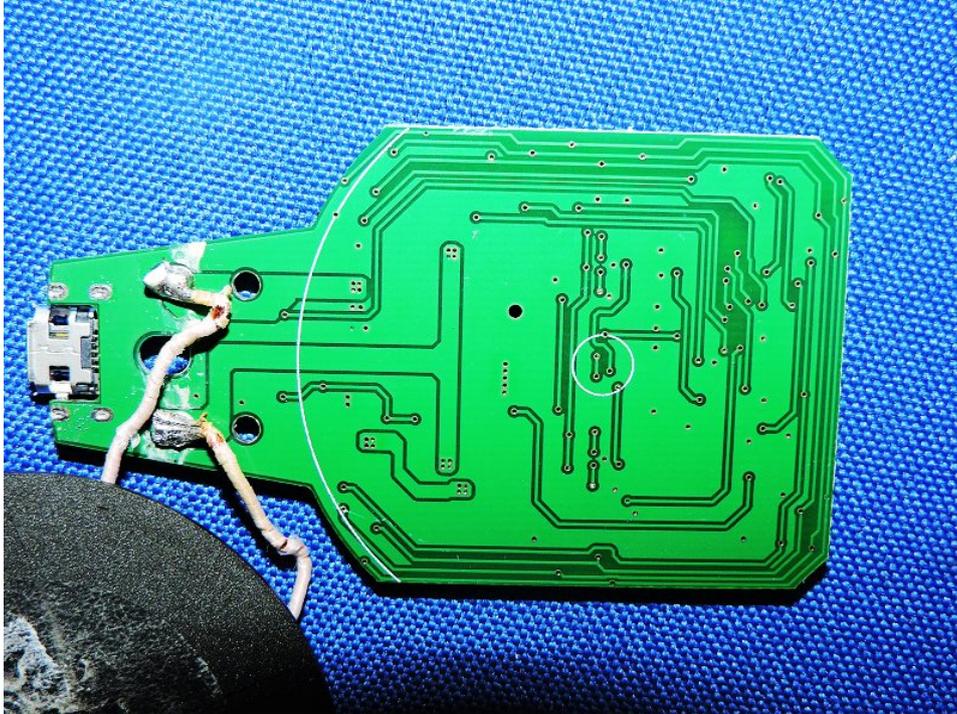


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