

# FCC TEST REPORT

For

Anker Innovations Limited

PowerWave+ Pad

Model No.: A2504

Prepared For : Anker Innovations Limited  
Address : Room 1318-19, Hollywood Plaza, 610 Nathan Road, Mongkok, Kowloon,  
Hong Kong

Prepared By : Shenzhen Anbotek Compliance Laboratory Limited  
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Report Number : SZAWW181114007-01

Date of Receipt : Nov. 14, 2018

Date of Test : Nov. 14~Dec. 03, 2018

Date of Report : Dec. 03, 2018

# Contents

1. General Information.....	4
1.1. Client Information.....	4
1.2. Description of Device (EUT).....	4
1.3. Auxiliary Equipment Used During Test.....	4
1.4. Description of Test Modes.....	5
1.5. Description Of Test Setup.....	6
1.6. Test Equipment List.....	7
1.7. Description of Test Facility.....	8
2. Summary of Test Results.....	9
3. Conducted Emission Test.....	10
3.1. Test Standard and Limit.....	10
3.2. Test Setup.....	10
3.3. Test Procedure.....	10
3.4. Test Data.....	10
4. Radiation Spurious Emission and Band Edge.....	15
4.1. Test Standard and Limit.....	15
4.2. Test Setup.....	15
4.3. Test Procedure.....	16
4.4. Test Data.....	17
5. Antenna Requirement.....	23
5.1. Test Standard and Requirement.....	23
5.2. Antenna Connected Construction.....	23
APPENDIX I -- TEST SETUP PHOTOGRAPH.....	24
APPENDIX II -- EXTERNAL PHOTOGRAPH.....	26
APPENDIX III -- INTERNAL PHOTOGRAPH.....	30

# TEST REPORT

Applicant : Anker Innovations Limited  
Manufacturer : Anker Innovations Limited  
Product Name : PowerWave+ Pad  
Model No. : A2504  
Trade Mark : ANKER  
Rating(s) : Input: 5V=== 2A/ 9V=== 2A/ 12V=== 1.5A  
Output: 5W/ 7.5W/ 10W

**Test Standard(s) : FCC Part15 Subpart C 2018, Paragraph 15.209**

**Test Method(s) : ANSI C63.10: 2013**

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited 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 Shenzhen Anbotek Compliance Laboratory Limited 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 Part 15 Subpart C requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Date of Test

Nov. 14~Dec. 03, 2018

Prepared By



*Oliay Yang*

(Engineer / Oliay Yang)

Reviewer

*Snowy Meng*

(Supervisor / Snowy Meng)

Approved & Authorized Signer

*Sally Zhang*

(Manager / Sally Zhang)

## 1. General Information

### 1.1. Client Information

Applicant	:	Anker Innovations Limited
Address	:	Room 1318-19, Hollywood Plaza, 610 Nathan Road, Mongkok, Kowloon, Hong Kong
Manufacturer	:	Anker Innovations Limited
Address	:	Room 1318-19, Hollywood Plaza, 610 Nathan Road, Mongkok, Kowloon, Hong Kong
Factory	:	SHENZHEN RUIJING INDUSTRIAL CO., LTD
Address	:	Building C1, Hengli Industrial Park, Xiakeng 1st Road No.168, Longgang Street, Longgang District, Shenzhen, Guangdong, China

### 1.2. Description of Device (EUT)

Product Name	:	PowerWave+ Pad	
Model No.	:	A2504	
Trade Mark	:	ANKER	
Test Power Supply	:	AC 240V, 60Hz for adapter/ AC 120V, 60Hz for adapter	
Test Sample No.	:	S1(Normal Sample), S2(Engineering Sample)	
Product Description	:	Operation Frequency:	111~205KHz
	:	Modulation Type:	MSK
	:	Antenna Type:	Inductive loop coil Antenna
	:	Antenna Gain(Peak):	0 dBi
Remark: 1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.			

### 1.3. Auxiliary Equipment Used During Test

Adapter	:	Model: A2013 Input: 100-240V~ 50-60Hz 0.7A Output: 3.6-6.5V=== 3A/ 6.5-9V=== 2A/ 9-12V=== 1.5A
Mobile Phone	:	Samsung

### 1.4. Description of Test Modes

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

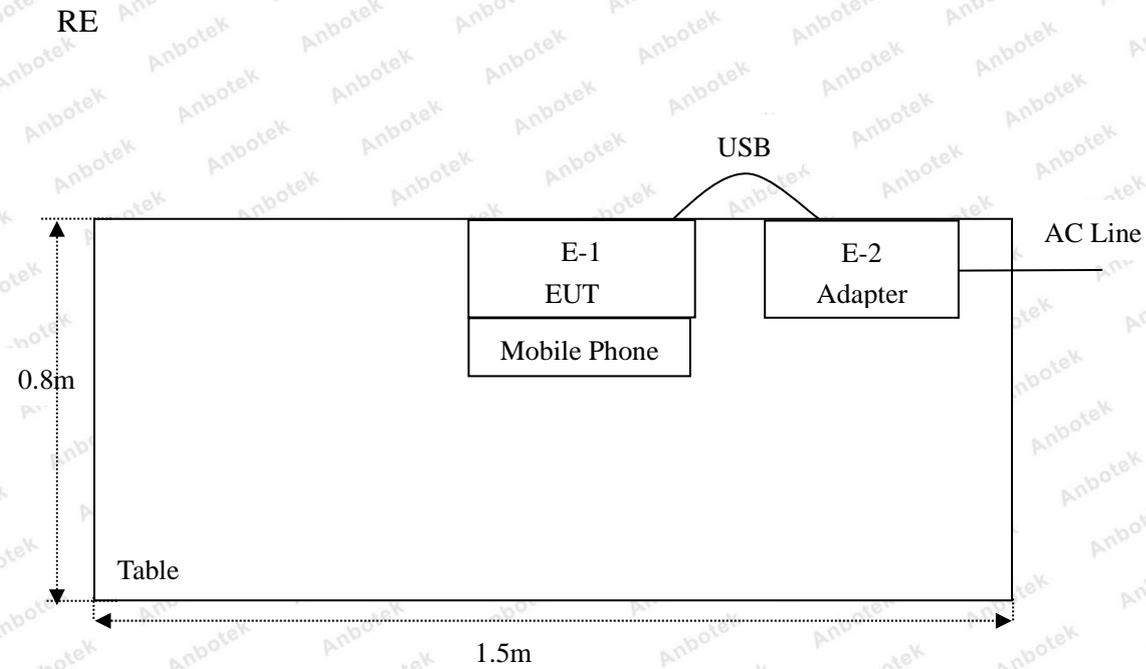
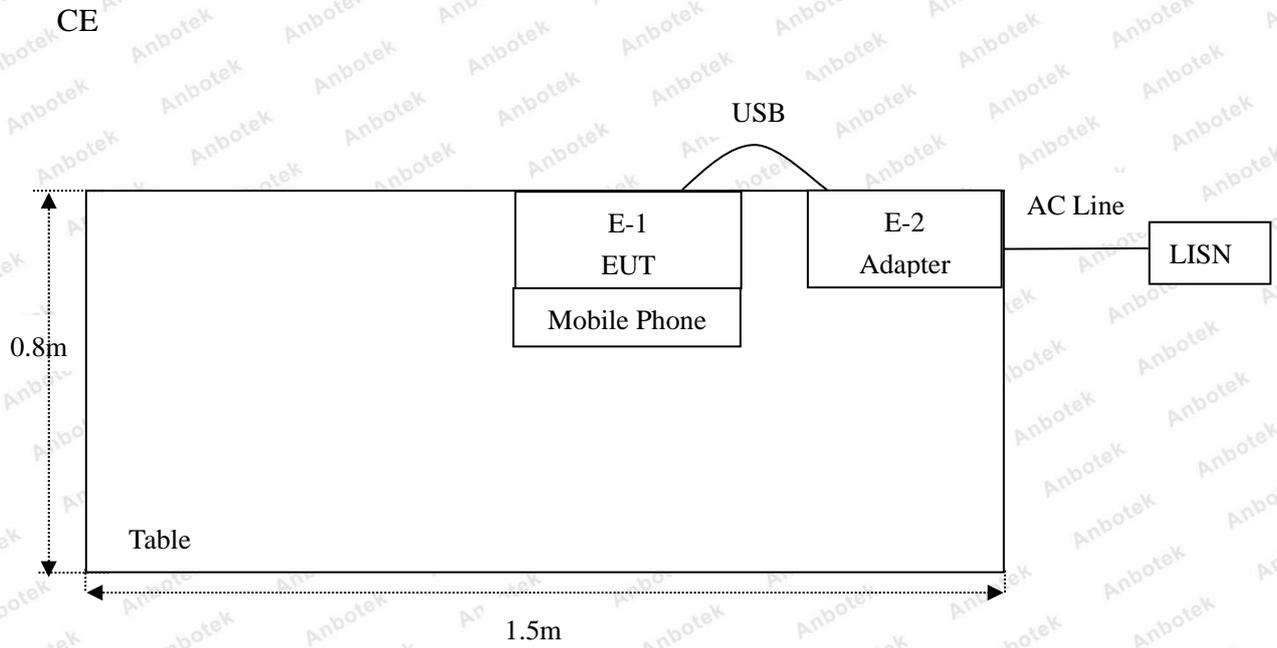
**Remark: All the conditions have been tested. It is found that 10W is the worst mode, and the data in the report only reflects the worst mode.**

Pretest Mode	Description
Mode 1	Keeping TX mode

For Conducted Emission	
Final Test Mode	Description
Mode 1	Keeping TX mode

For Radiated Emission	
Final Test Mode	Description
Mode 1	Keeping TX mode

### 1.5. Description Of Test Setup



### 1.6. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	Nov. 05, 2018	1 Year
2.	EMI Test Receiver	Rohde & Schwarz	ESPI3	101604	Nov. 05, 2018	1 Year
3.	RF Switching Unit	Compliance Direction	RSU-M2	38303	Nov. 05, 2018	1 Year
4.	Spectrum Analysis	Agilent	E4407B	US39390582	Nov. 05, 2018	1 Year
5.	MAX Spectrum Analysis	Agilent	N9020A	MY51170037	Nov. 05, 2018	1 Year
6.	Preamplifier	SKET Electronic	BK1G18G30D	KD17503	Nov. 05, 2018	1 Year
7.	Double Ridged Horn Antenna	Instruments corporation	GTH-0118	351600	Nov. 19, 2018	1 Year
8.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	VULB 9163-289	Nov. 19, 2018	1 Year
9.	Loop Antenna	Schwarzbeck	FMZB1519B	00053	Nov. 19, 2018	1 Year
10.	Horn Antenna	A-INFO	LB-180400-K F	J211060628	Nov. 20, 2018	1 Year
11.	Pre-amplifier	SONOMA	310N	186860	Nov. 05, 2018	1 Year
12.	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	N/A	N/A
13.	RF Test Control System	YIHENG	YH3000	2017430	Nov. 05, 2018	1 Year
14.	Power Sensor	DAER	RPR3006W	15I00041SN045	Nov. 05, 2018	1 Year
15.	Power Sensor	DAER	RPR3006W	15I00041SN046	Nov. 05, 2018	1 Year
16.	MXA Spectrum Analysis	Agilent	N9020A	MY51170037	Nov. 05, 2018	1 Year
17.	MXG RF Vector Signal Generator	Agilent	N5182A	MY48180656	Nov. 05, 2018	1 Year
18.	Signal Generator	Agilent	E4421B	MY41000743	Nov. 05, 2018	1 Year
19.	DC Power Supply	IVYTECH	IV3605	1804D360510	Apr. 02, 2018	1 Year
20.	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ-KHWS80B	N/A	Nov. 01, 2018	1 Year

## 1.7. Description of Test Facility

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

### **FCC-Registration No.: 184111**

Shenzhen Anbotek Compliance Laboratory Limited, 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. 184111, July 31, 2017.

### **ISED-Registration No.: 8058A-1**

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A-1, June 13, 2016.

### **Test Location**

Shenzhen Anbotek Compliance Laboratory Limited.

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102

## 2. Summary of Test Results

Standard Section	Test Item	Result
FCC Part 15, Paragraph 15.207	Conducted Emission Test	PASS
FCC Part 15, Paragraph 15.209(a)(f)	Spurious Emission	PASS
Part 15.203	Antenna Requirement	PASS

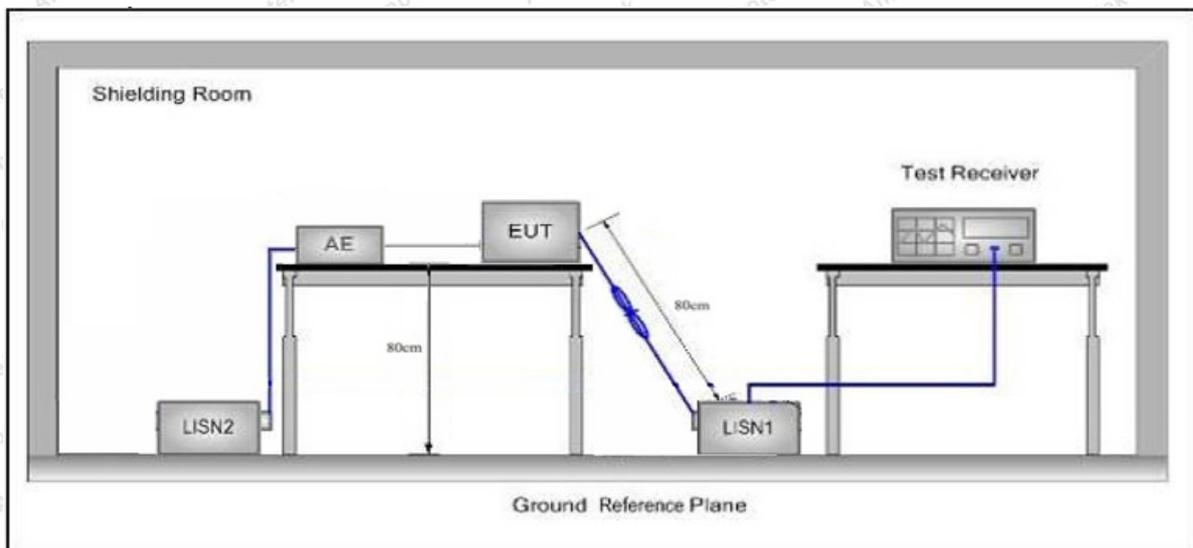
### 3. Conducted Emission Test

#### 3.1. Test Standard and Limit

Test Standard	FCC Part15 Section 15.207		
Test Limit	Frequency	Maximum RF Line Voltage (dBuV)	
		Quasi-peak Level	Average Level
	150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
	500kHz~5MHz	56	46
5MHz~30MHz	60	50	

**Remark:** (1) \*Decreasing linearly with logarithm of the frequency.  
(2) The lower limit shall apply at the transition frequency.

#### 3.2. Test Setup



#### 3.3. Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to FCC ANSI C63.10-2013 on Conducted Emission Measurement.

The bandwidth of test receiver (ESCI) set at 9kHz.

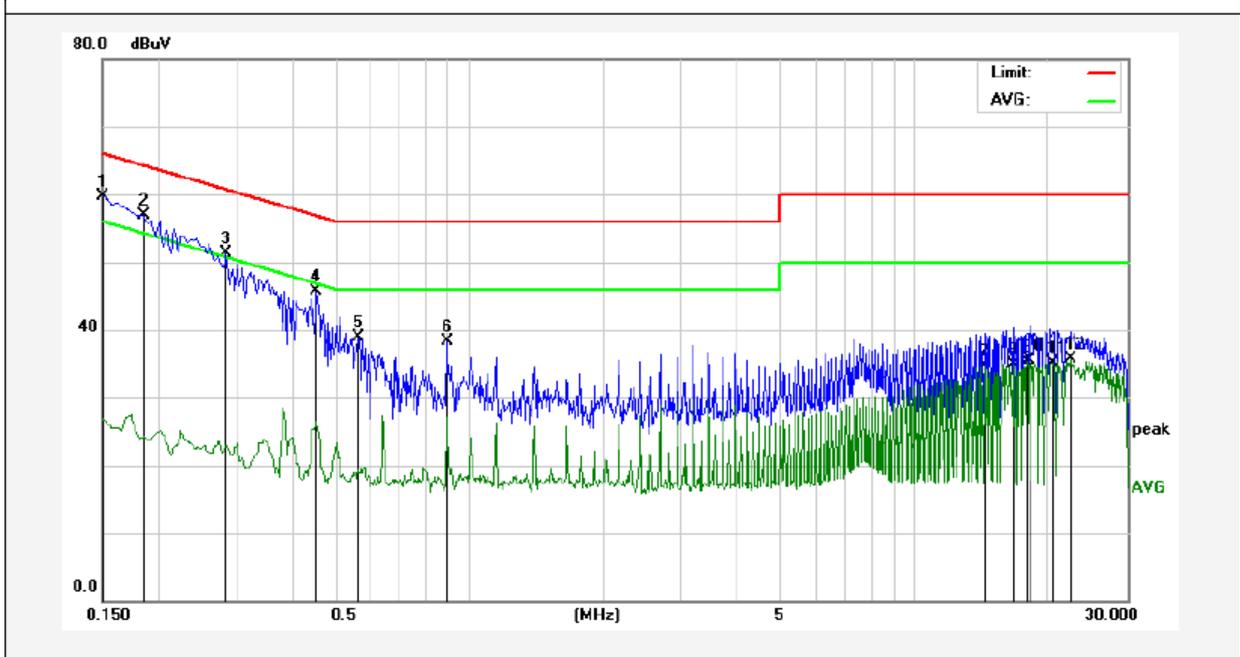
The frequency range from 150kHz to 30MHz is checked.

#### 3.4. Test Data

Please to see the following pages

**Conducted Emission Test Data**

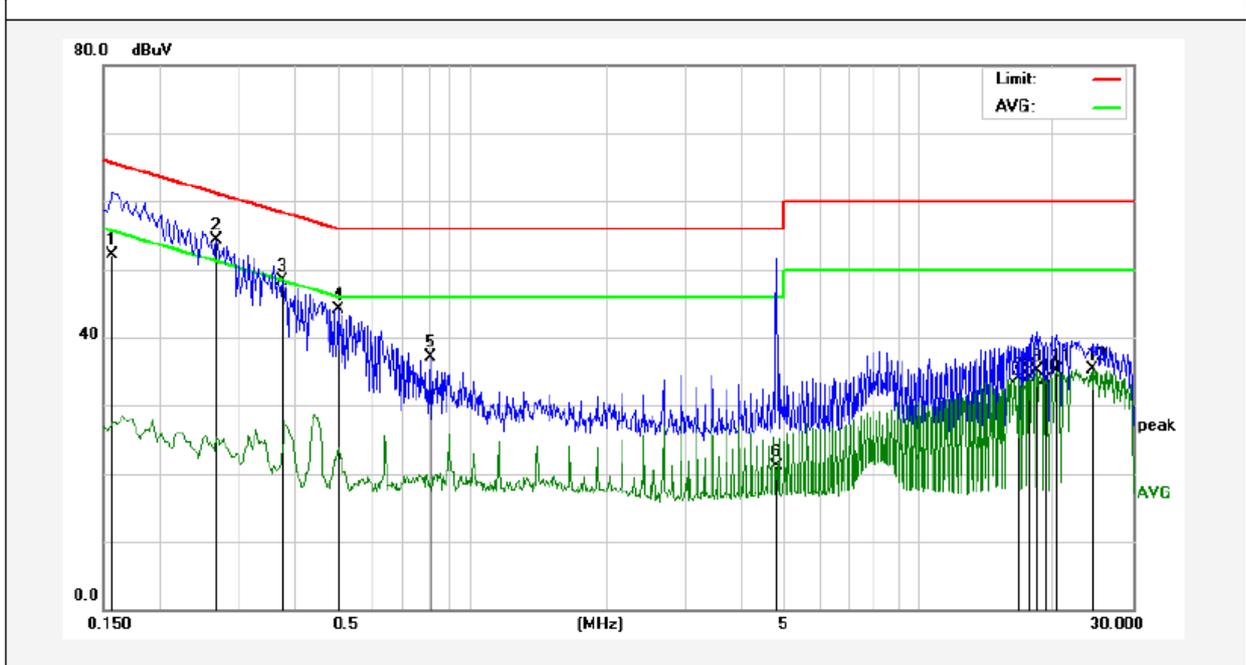
Test Site: 1# Shielded Room  
 Operating Condition: Keeping TX mode  
 Test Specification: AC 240V, 60Hz for adapter  
 Comment: Live Line  
 Tem.: 24.3°C Hum.: 60%



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Over Limit (dB)	Detector	Remark
1	0.1500	39.79	19.90	59.69	65.99	-6.30	QP	
2	0.1860	37.04	19.90	56.94	64.21	-7.27	QP	
3	0.2860	31.42	19.89	51.31	60.64	-9.33	QP	
4	0.4540	25.67	19.96	45.63	56.80	-11.17	QP	
5	0.5660	18.96	20.00	38.96	56.00	-17.04	QP	
6	0.8940	18.30	20.09	38.39	56.00	-17.61	QP	
7	14.3100	14.43	20.27	34.70	50.00	-15.30	AVG	
8	16.6100	14.56	20.29	34.85	50.00	-15.15	AVG	
9	17.8860	15.04	20.31	35.35	50.00	-14.65	AVG	
10	18.1420	15.14	20.31	35.45	50.00	-14.55	AVG	
11	20.4420	14.73	20.33	35.06	50.00	-14.94	AVG	
12	22.3580	15.41	20.31	35.72	50.00	-14.28	AVG	

**Conducted Emission Test Data**

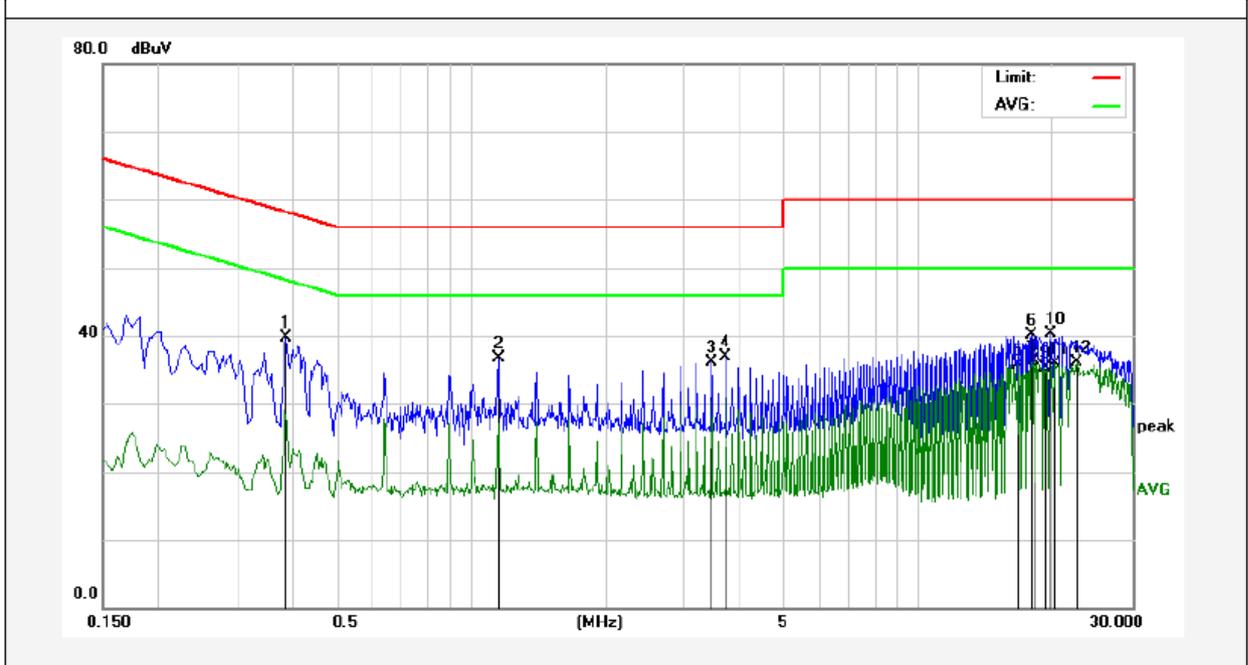
Test Site: 1# Shielded Room  
 Operating Condition: Keeping TX mode  
 Test Specification: AC 240V, 60Hz for adapter  
 Comment: Neutral Line  
 Tem.: 24.3°C Hum.: 60%



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Over Limit (dB)	Detector	Remark
1	0.1580	32.16	19.90	52.06	65.56	-13.50	QP	
2	0.2700	34.36	19.89	54.25	61.12	-6.87	QP	
3	0.3780	28.44	19.93	48.37	58.32	-9.95	QP	
4	0.5020	24.06	19.98	44.04	56.00	-11.96	QP	
5	0.8100	17.08	20.07	37.15	56.00	-18.85	QP	
6	4.8100	0.81	20.20	21.01	56.00	-34.99	QP	
7	16.6100	13.62	20.29	33.91	50.00	-16.09	AVG	
8	17.6299	13.90	20.30	34.20	50.00	-15.80	AVG	
9	18.3980	14.86	20.31	35.17	50.00	-14.83	AVG	
10	19.1660	13.40	20.33	33.73	50.00	-16.27	AVG	
11	20.3140	14.71	20.34	35.05	50.00	-14.95	AVG	
12	24.4020	15.09	20.29	35.38	50.00	-14.62	AVG	

**Conducted Emission Test Data**

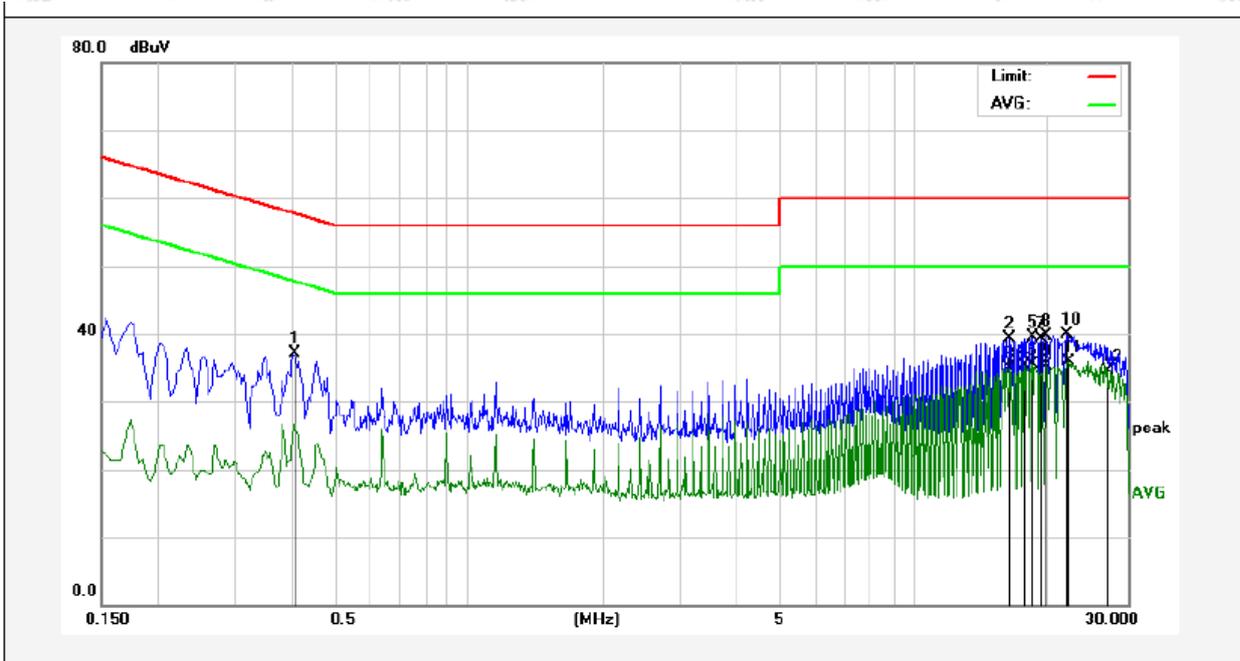
Test Site: 1# Shielded Room  
 Operating Condition: Keeping TX mode  
 Test Specification: AC 120V, 60Hz for adapter  
 Comment: Live Line  
 Tem.: 24.3°C Hum.: 60%



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Over Limit (dB)	Detector	Remark
1	0.3860	19.84	19.93	39.77	58.15	-18.38	QP	
2	1.1500	16.64	20.12	36.76	56.00	-19.24	QP	
3	3.4500	16.02	20.17	36.19	56.00	-19.81	QP	
4	3.7060	16.66	20.17	36.83	56.00	-19.17	QP	
5	16.6100	15.42	20.29	35.71	50.00	-14.29	AVG	
6	17.8860	19.74	20.31	40.05	60.00	-19.95	QP	
7	17.8860	15.70	20.31	36.01	50.00	-13.99	AVG	
8	18.1420	16.06	20.31	36.37	50.00	-13.63	AVG	
9	19.0380	14.90	20.32	35.22	50.00	-14.78	AVG	
10	19.6740	20.04	20.33	40.37	60.00	-19.63	QP	
11	20.1860	15.64	20.34	35.98	50.00	-14.02	AVG	
12	22.6140	15.79	20.31	36.10	50.00	-13.90	AVG	

**Conducted Emission Test Data**

Test Site: 1# Shielded Room  
 Operating Condition: Keeping TX mode  
 Test Specification: AC 120V, 60Hz for adapter  
 Comment: Neutral Line  
 Tem.: 24.3°C Hum.: 60%



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Over Limit (dB)	Detector	Remark
1	0.4100	17.13	19.94	37.07	57.65	-20.58	QP	
2	16.3540	19.05	20.28	39.33	60.00	-20.67	QP	
3	16.3540	14.68	20.28	34.96	50.00	-15.04	AVG	
4	17.6299	15.05	20.30	35.35	50.00	-14.65	AVG	
5	18.3980	19.15	20.31	39.46	60.00	-20.54	QP	
6	18.3980	15.23	20.31	35.54	50.00	-14.46	AVG	
7	19.1660	19.03	20.33	39.36	60.00	-20.64	QP	
8	19.6740	19.44	20.33	39.77	60.00	-20.23	QP	
9	19.6740	15.07	20.33	35.40	50.00	-14.60	AVG	
10	21.8460	19.56	20.32	39.88	60.00	-20.12	QP	
11	22.1020	15.62	20.31	35.93	50.00	-14.07	AVG	
12	27.2140	14.31	20.28	34.59	50.00	-15.41	AVG	

## 4. Radiation Spurious Emission and Band Edge

### 4.1. Test Standard and Limit

Test Standard	FCC Part15 C Section 15.209 and 15.205				
Test Limit	Frequency (MHz)	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz~0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz~88MHz	100	40.0	Quasi-peak	3
	88MHz~216MHz	150	43.5	Quasi-peak	3
	216MHz~960MHz	200	46.0	Quasi-peak	3
	960MHz~1000MHz	500	54.0	Quasi-peak	3
	Above 1000MHz	500	54.0	Average	3
-		-	74.0	Peak	3

**Remark:**

(1)The lower limit shall apply at the transition frequency.

(2) 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

### 4.2. Test Setup

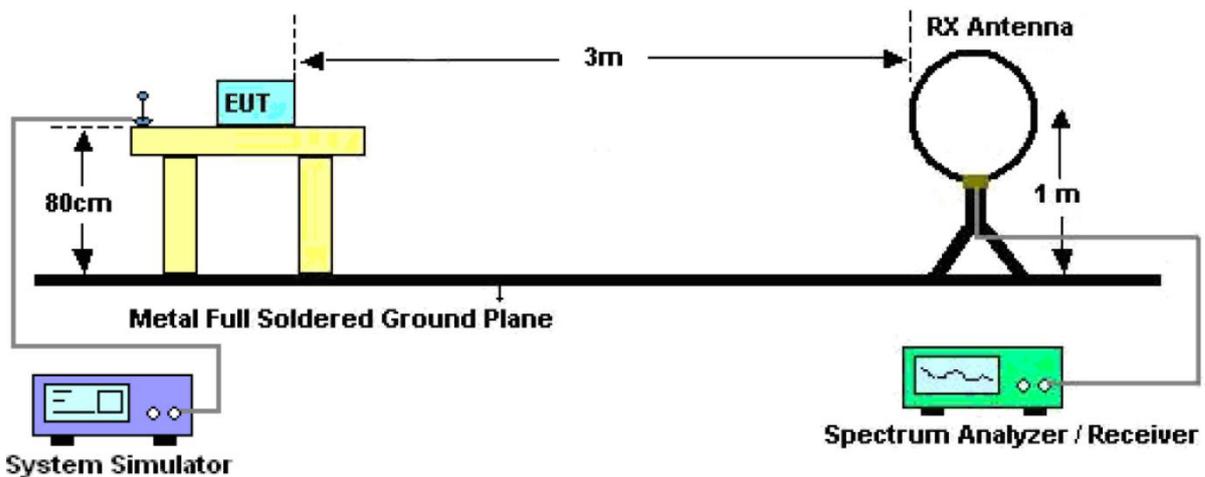


Figure 1. Below 30MHz

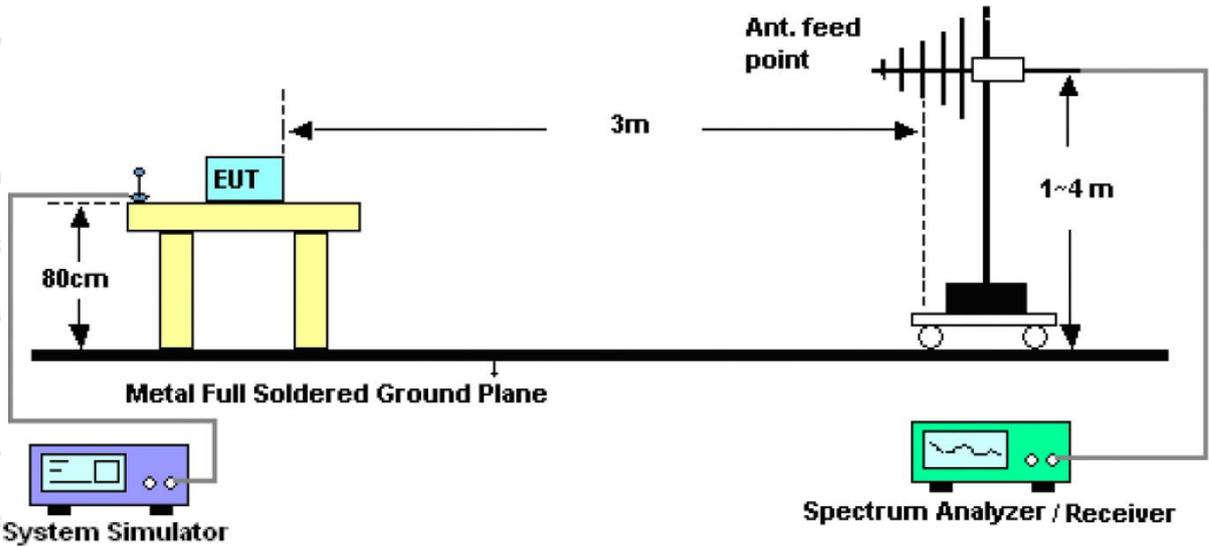


Figure 2. 30MHz to 1GHz

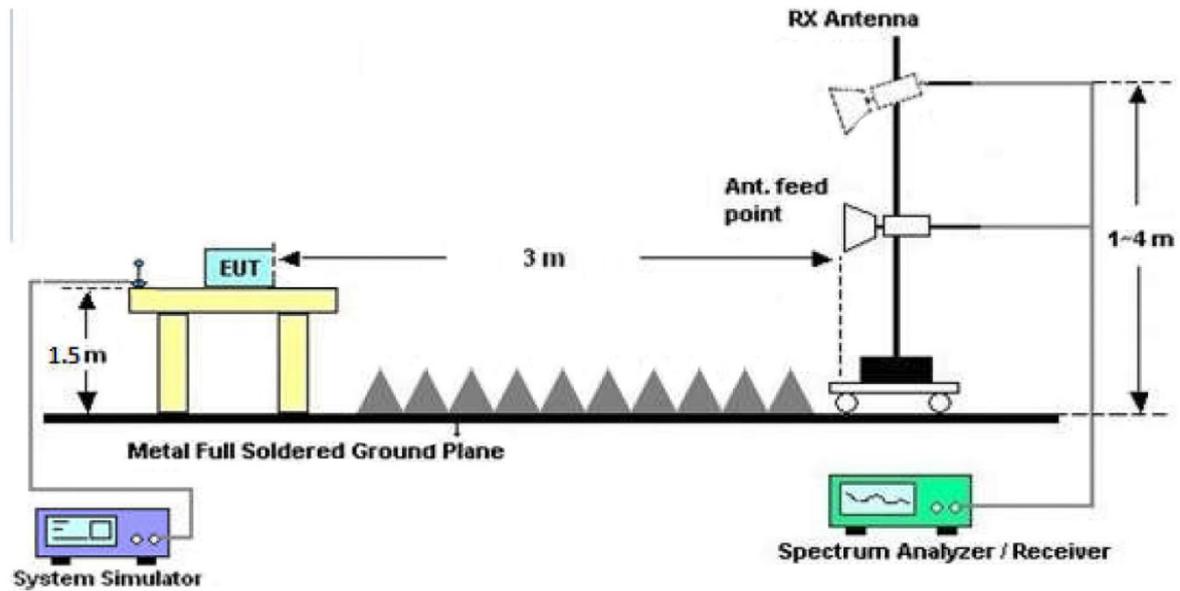


Figure 3. Above 1 GHz

### 4.3. Test Procedure

For below 1GHz: The EUT is placed on a turntable, which is 0.8m above the ground plane.

For above 1GHz: The EUT is placed on a turntable, which is 1.5m above the ground plane.

The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on a antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. Rotated the EUT through three orthogonal axes to determine the maximum emissions, both horizontal and vertical polarization of the antenna are set on test. The EUT is tested in 9\*6\*6 Chamber. The device is evaluated in xyz orientation.

For 9kHz to 150kHz, Set the spectrum analyzer as:

RBW = 200Hz, VBW =1kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 150kHz to 30MHz, Set the spectrum analyzer as:

RBW = 9KHz, VBW = 30kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 30MHz to 1000MHz, Set the spectrum analyzer as:

RBW = 100kHz, VBW = 300kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

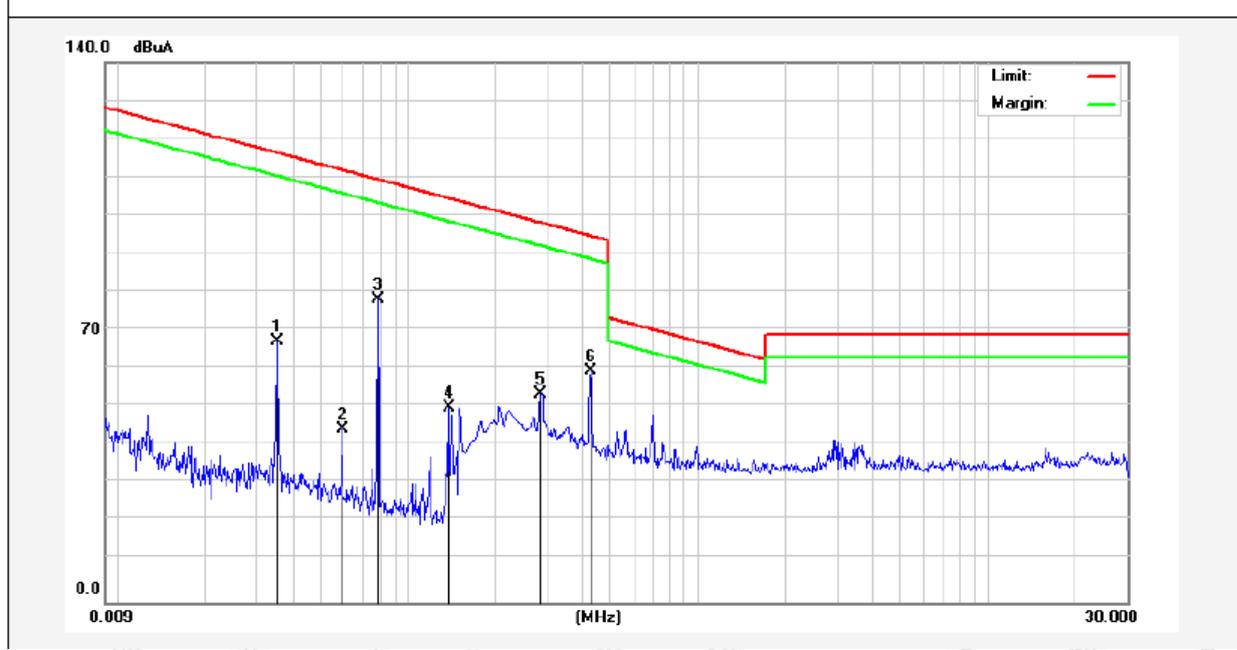
#### **4.4. Test Data**

**PASS**

**Test Results**

(Between 9KHz – 30MHz)

<b>Job No.:</b>	<b>SZAWW181114007-01</b>	<b>Power Source:</b>	<b>AC 120V, 60Hz for adapter</b>
<b>Standard:</b>	<b>FCC PART15 C _3m</b>	<b>Temp.(C)/Hum.(%RH):</b>	<b>24.3°C/60%RH</b>
<b>Test item:</b>	<b>Radiation Test</b>	<b>Distance:</b>	<b>3m</b>
<b>Test Mode:</b>	<b>Mode 1</b>		

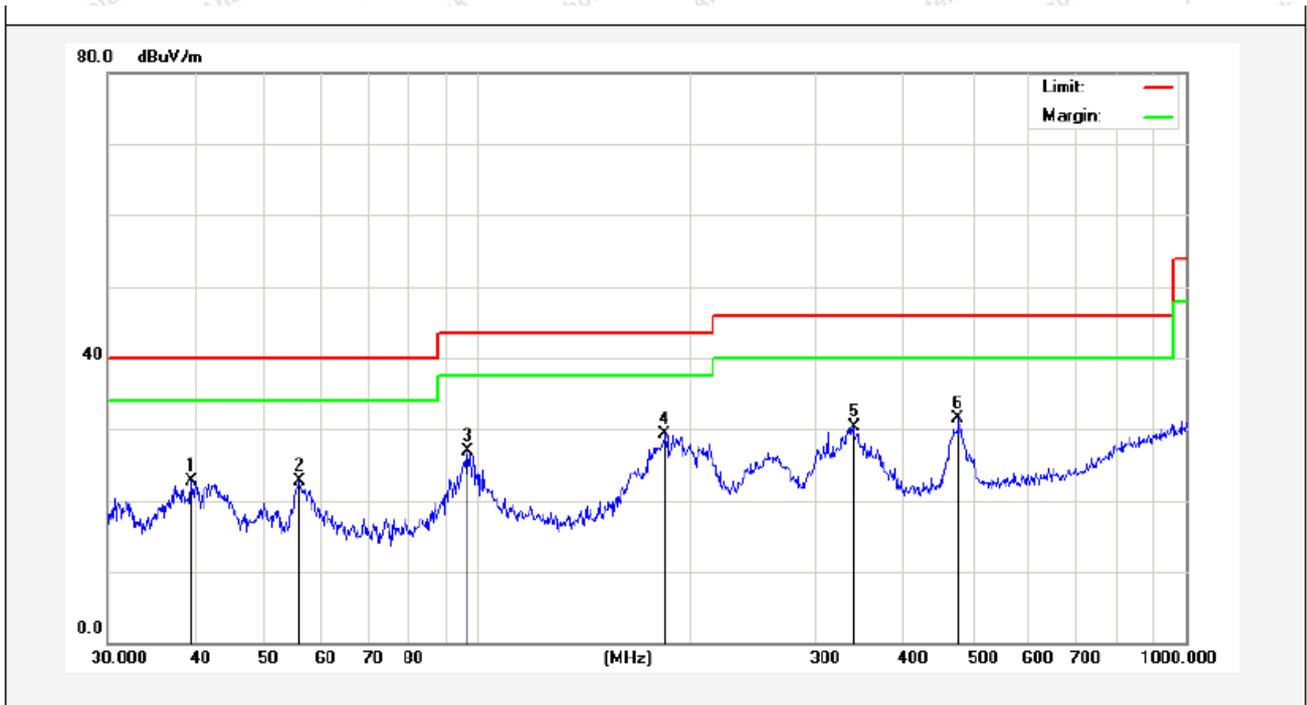


Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	degree (dge)
0.0353	55.71	19.30	2.53	0	77.54	136.52	-58.98	Peak	144
0.0353	45.75	19.30	2.53	0	67.58	116.52	-48.94	AV	144
0.0593	47.65	19.35	2.55	0	69.55	132.04	-62.49	Peak	96
0.0593	23.23	19.35	2.55	0	45.13	112.04	-66.91	AV	96
0.0790	68.31	19.35	2.55	0	90.21	129.56	-39.35	Peak	241
0.0790	56.85	19.35	2.55	0	78.75	109.56	-30.81	AV	241
0.1378	42.40	20.01	2.60	0	65.01	124.76	-59.75	Peak	0
0.1378	28.13	20.01	2.60	0	50.74	104.76	-54.02	AV	0
0.2860	46.33	20.83	2.72	0	69.88	118.45	-48.57	Peak	122
0.2860	30.53	20.83	2.72	0	54.08	98.45	-44.37	AV	122
0.4260	47.14	21.03	2.72	0	70.89	115.01	-44.12	Peak	100
0.4260	36.35	21.03	2.72	0	60.10	95.01	-34.91	AV	100

**Remark:** According to FCC PART 15.209 (d), the emission limits for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz, Radiated emission limits in these three bands are based on measurements employing an average detector.

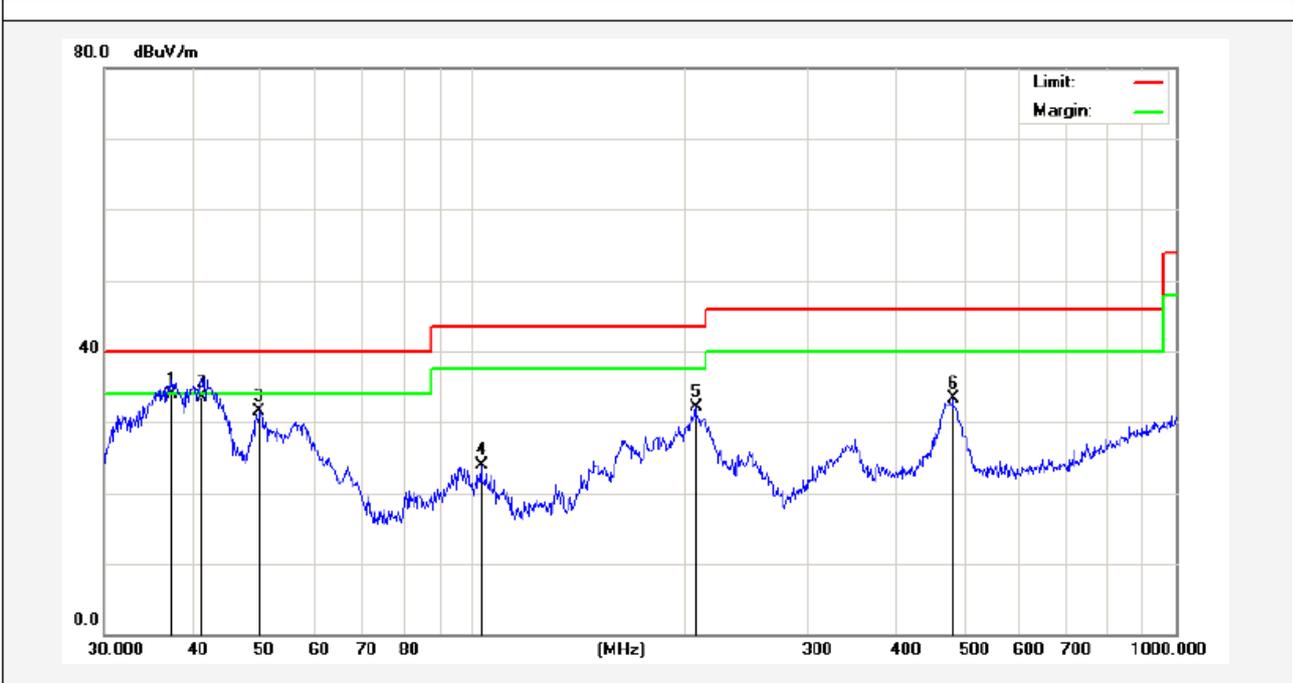
(Between 30MHz -1000 MHz)

<b>Job No.:</b>	<b>SZAWW181114007-01</b>	<b>Polarization:</b>	<b>Horizontal</b>
<b>Standard:</b>	<b>FCC PART15 C _3m</b>	<b>Power Source:</b>	<b>AC 120V, 60Hz for adapter</b>
<b>Test item:</b>	<b>Radiation Test</b>	<b>Temp.(C)/Hum.(%RH):</b>	<b>24.5°C/53%RH</b>
<b>Test Mode:</b>	<b>Mode 1</b>	<b>Distance:</b>	<b>3m</b>



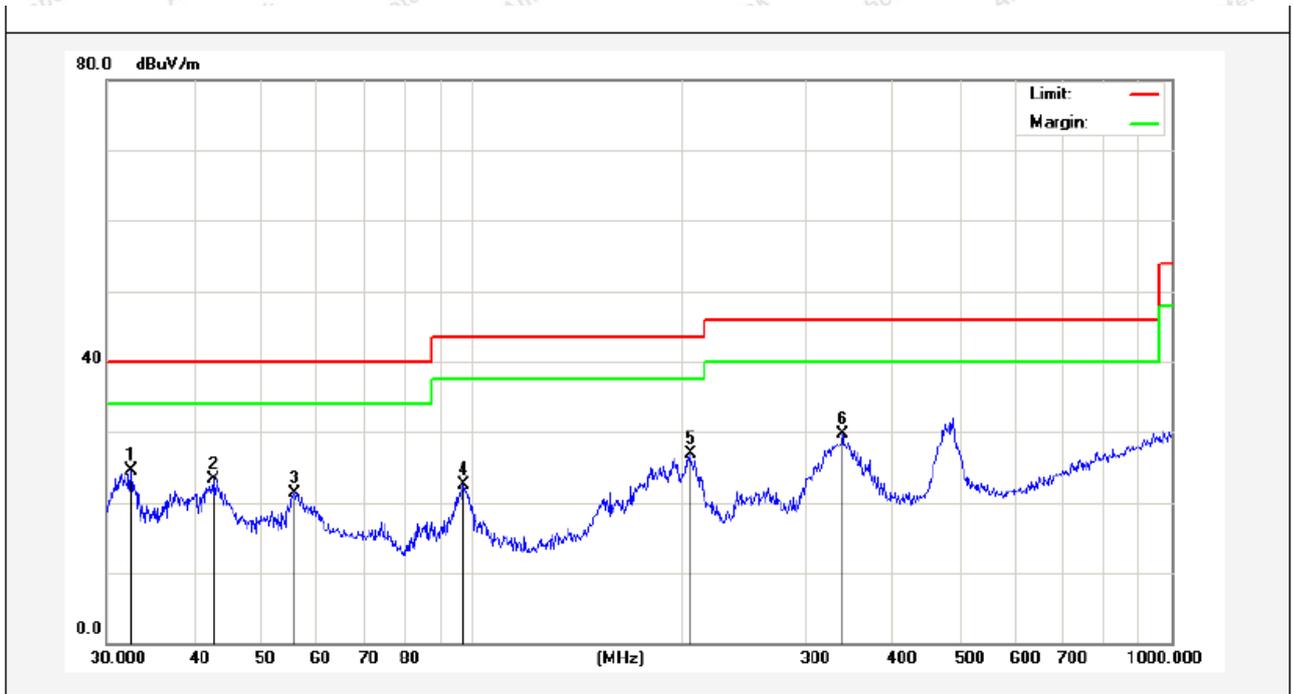
No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	39.4371	37.47	-14.67	22.80	40.00	-17.20	QP	300	123	
2	56.0007	40.45	-17.79	22.66	40.00	-17.34	QP	300	241	
3	96.7749	48.87	-22.06	26.81	43.50	-16.69	QP	300	321	
4	183.8440	50.27	-20.88	29.39	43.50	-14.11	QP	300	26	
5	339.5888	45.29	-14.93	30.36	46.00	-15.64	QP	300	114	
6	477.1694	43.15	-11.62	31.53	46.00	-14.47	QP	300	222	

**Job No.:** SZAWW181114007-01      **Polarization:** Vertical  
**Standard:** FCC PART15 C \_3m      **Power Source:** AC 120V, 60Hz for adapter  
**Test item:** Radiation Test      **Temp.(C)/Hum.(%RH):** 24.5°C/53%RH  
**Test Mode:** Mode 1      **Distance:** 3m



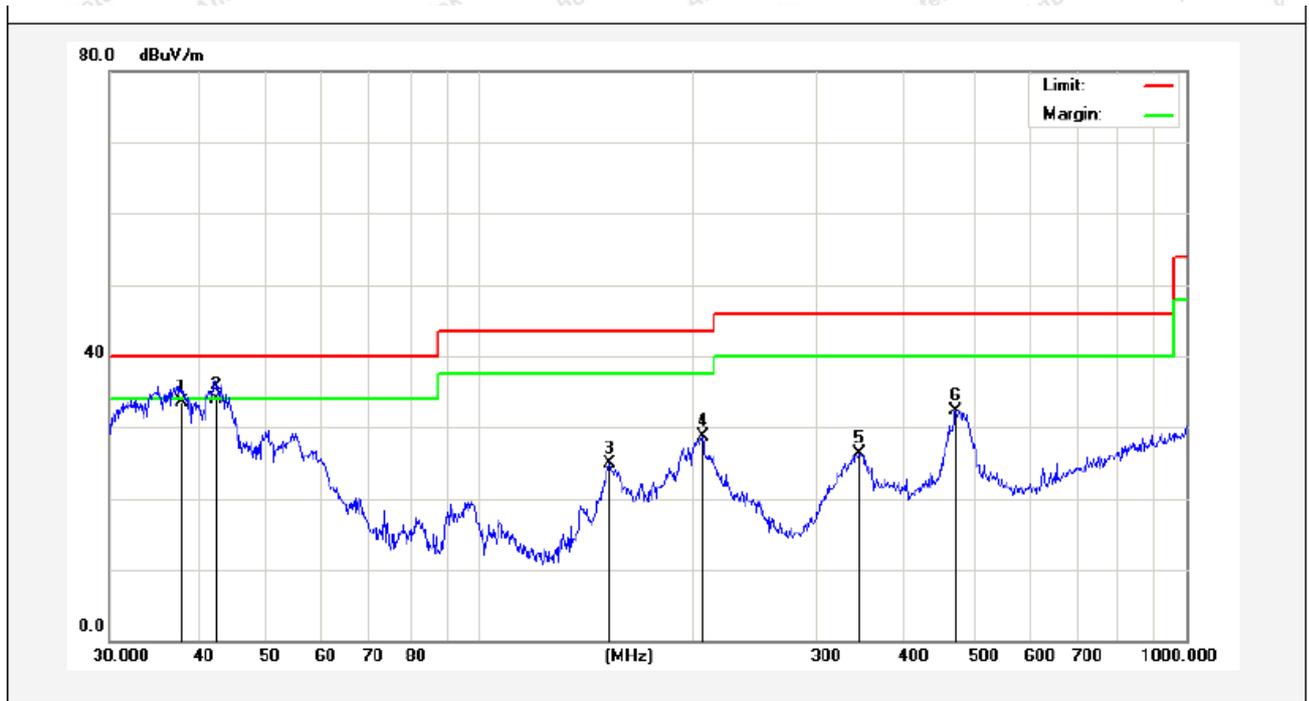
No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	37.4165	48.69	-14.77	33.92	40.00	-6.08	QP	300	45	
2	41.2765	47.19	-13.74	33.45	40.00	-6.55	QP	300	123	
3	49.8814	47.96	-16.52	31.44	40.00	-8.56	QP	300	241	
4	103.0800	39.56	-15.72	23.84	43.50	-19.66	QP	300	350	
5	207.8501	47.68	-15.65	32.03	43.50	-11.47	QP	300	296	
6	482.2156	44.84	-11.47	33.37	46.00	-12.63	QP	300	23	

<b>Job No.:</b>	<b>SZAWW181114007-01</b>	<b>Polarization:</b>	<b>Horizontal</b>
<b>Standard:</b>	<b>FCC PART15 C _3m</b>	<b>Power Source:</b>	<b>AC 240V, 60Hz for adapter</b>
<b>Test item:</b>	<b>Radiation Test</b>	<b>Temp.(C)/Hum.(%RH):</b>	<b>24.5°C/53%RH</b>
<b>Test Mode:</b>	<b>Mode 1</b>	<b>Distance:</b>	<b>3m</b>



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	32.5198	42.40	-17.82	24.58	40.00	-15.42	QP	300	123	
2	42.7496	38.45	-15.17	23.28	40.00	-16.72	QP	300	241	
3	55.6094	39.08	-17.76	21.32	40.00	-18.68	QP	300	360	
4	97.1148	44.58	-22.02	22.56	43.50	-20.94	QP	300	76	
5	204.9551	46.81	-19.98	26.83	43.50	-16.67	QP	300	112	
6	338.4001	44.60	-14.99	29.61	46.00	-16.39	QP	300	330	

<b>Job No.:</b>	<b>SZAWW181114007-01</b>	<b>Polarization:</b>	<b>Vertical</b>
<b>Standard:</b>	<b>FCC PART15 C _3m</b>	<b>Power Source:</b>	<b>AC 240V, 60Hz for adapter</b>
<b>Test item:</b>	<b>Radiation Test</b>	<b>Temp.(C)/Hum.(%RH):</b>	<b>24.5°C/53%RH</b>
<b>Test Mode:</b>	<b>Mode 1</b>	<b>Distance:</b>	<b>3m</b>



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	37.9365	48.02	-14.50	33.52	40.00	-6.48	QP	300	123	
2	42.5322	48.07	-14.11	33.96	40.00	-6.04	QP	300	26	
3	152.6641	43.05	-18.22	24.83	43.50	-18.67	QP	300	320	
4	207.1226	44.31	-15.67	28.64	43.50	-14.86	QP	300	263	
5	344.3855	40.11	-13.73	26.38	46.00	-19.62	QP	300	302	
6	472.1760	44.02	-11.76	32.26	46.00	-13.74	QP	300	274	

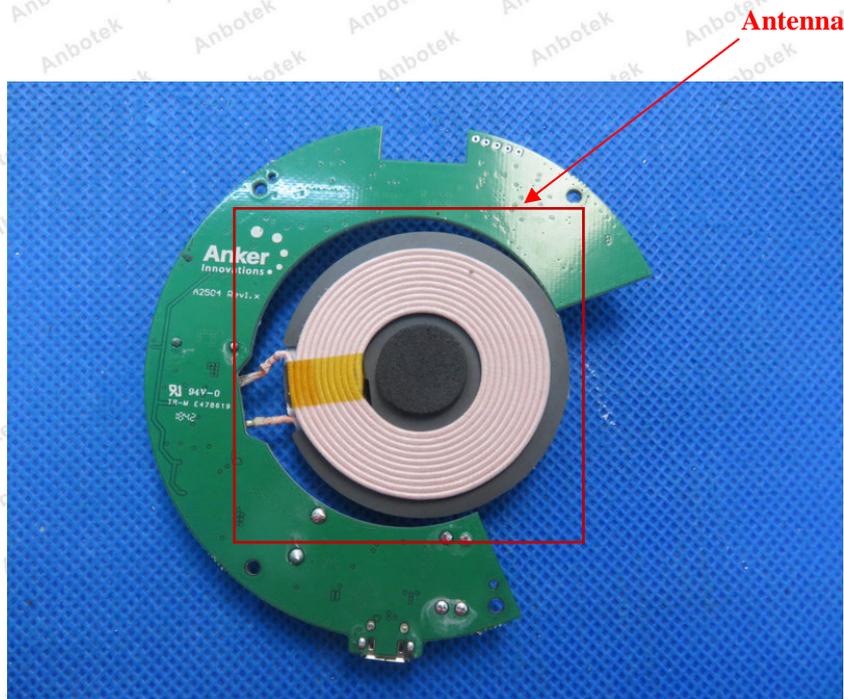
## 5. Antenna Requirement

### 5.1. Test Standard and Requirement

Test Standard	FCC Part15 Section 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

### 5.2. Antenna Connected Construction

The antenna is a Inductive loop coil Antenna which permanently attached, and the best case gain of the antenna is 0 dBi. It complies with the standard requirement.

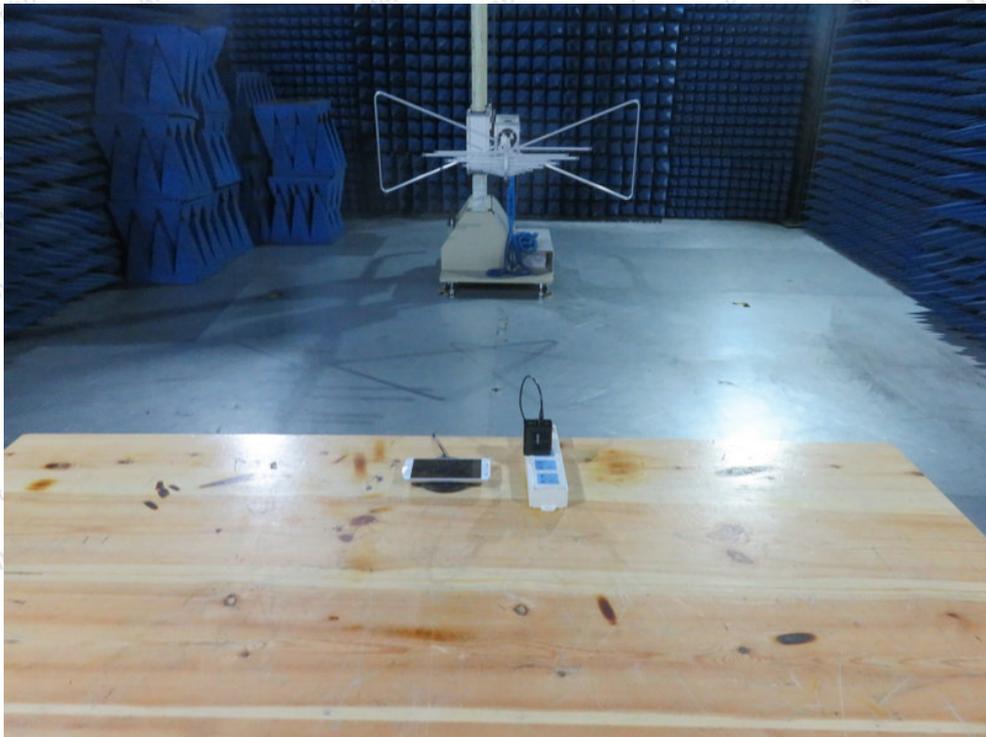


## APPENDIX I -- TEST SETUP PHOTOGRAPH

Photo of Conducted Emission Measurement



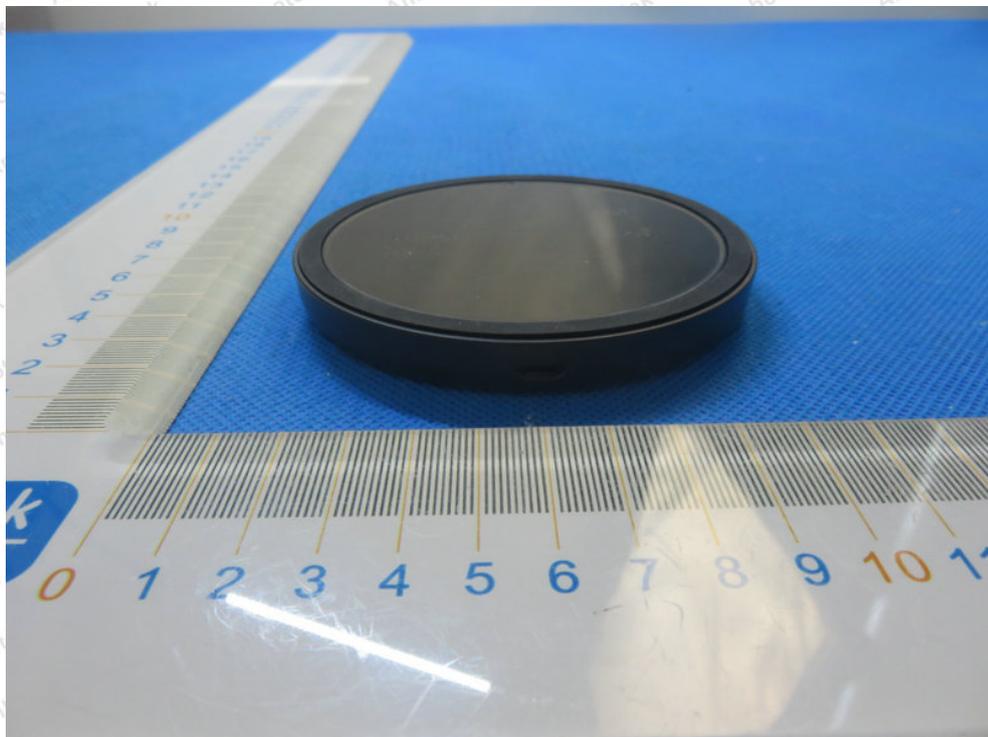
Photo of Radiation Emission Test

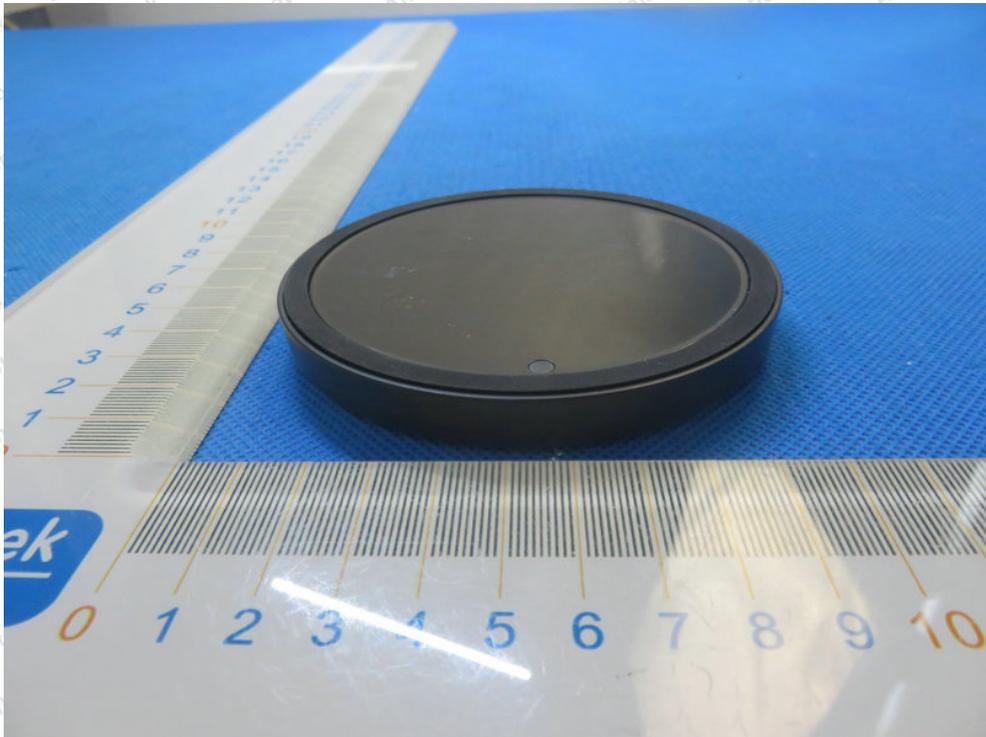
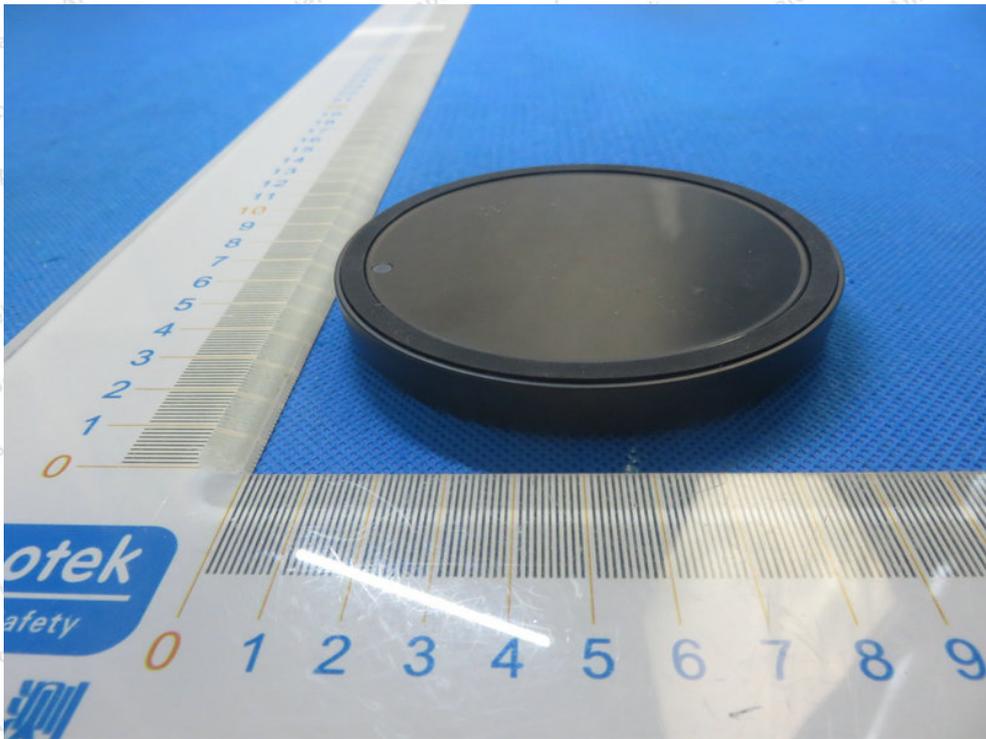


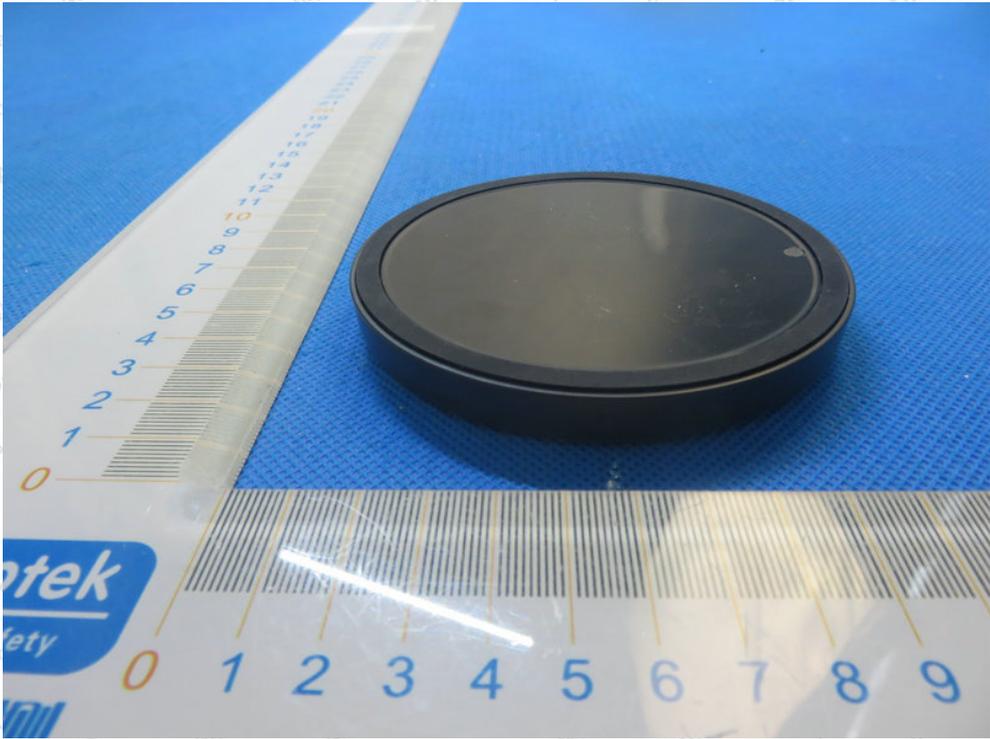


## APPENDIX II -- EXTERNAL PHOTOGRAPH

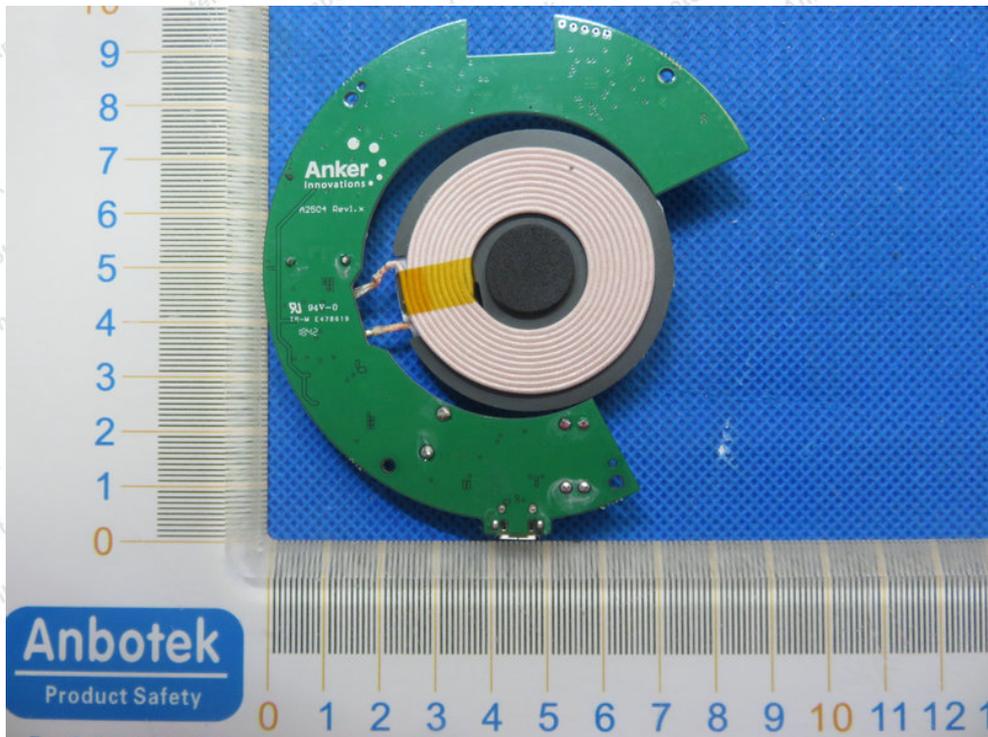


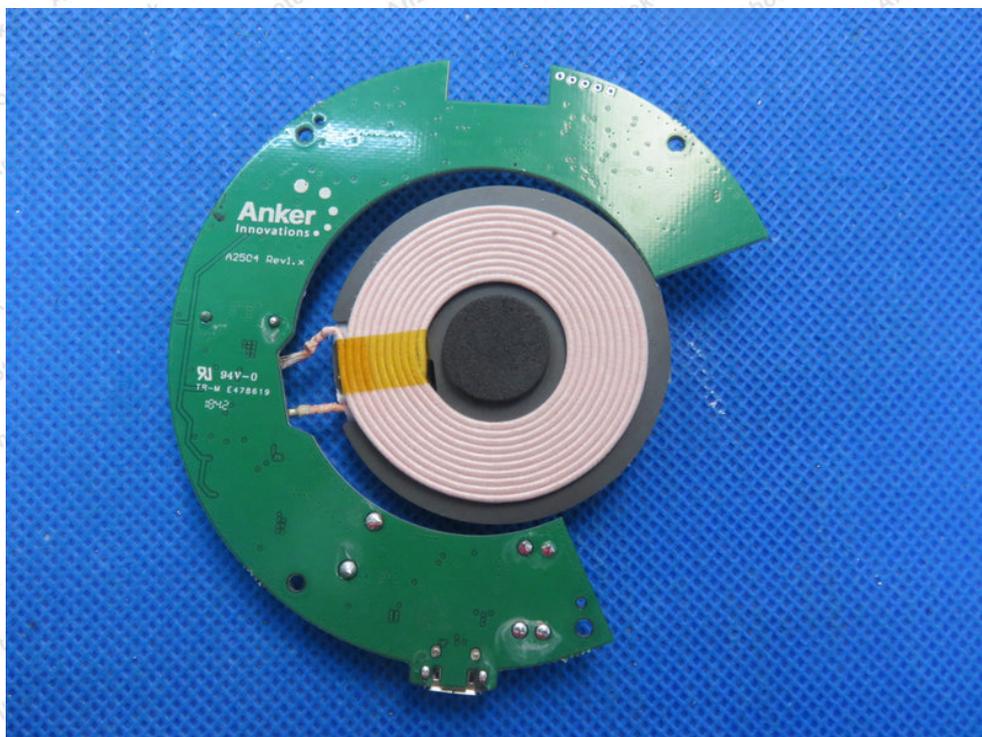
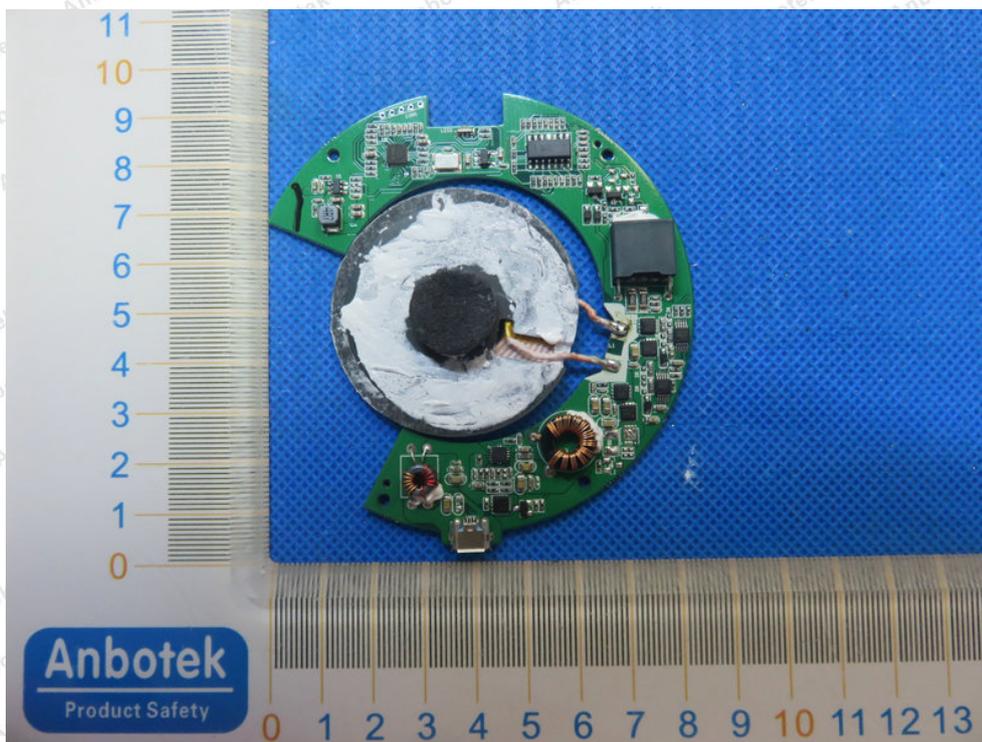


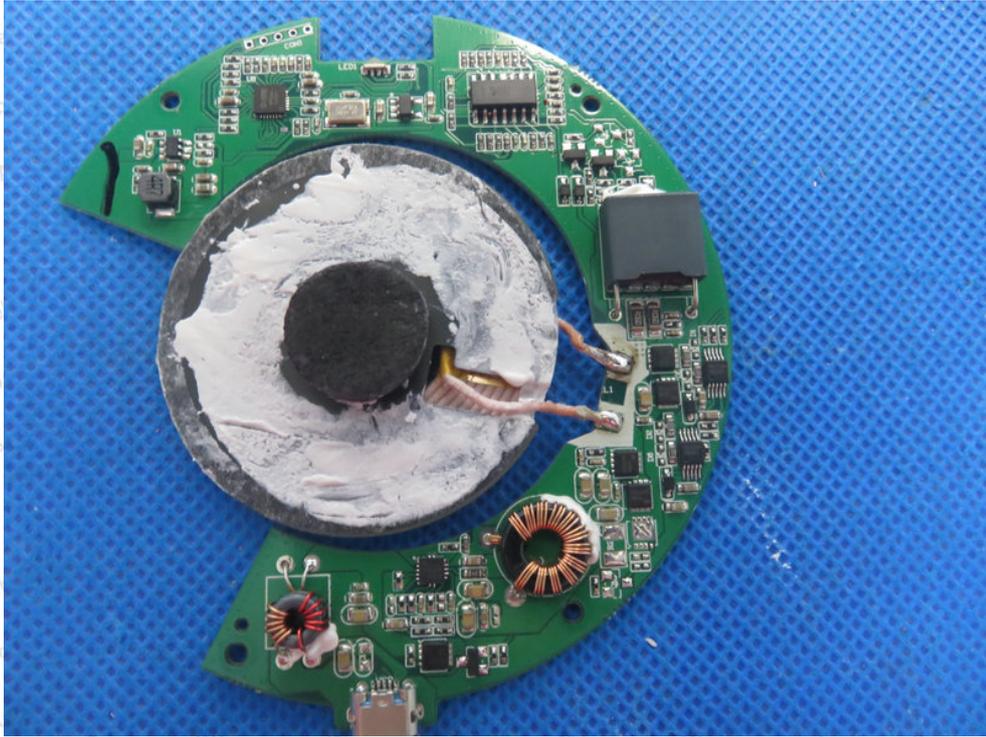




### APPENDIX III -- INTERNAL PHOTOGRAPH







----- End of Report -----