### FCC PART 15C TEST REPORT FOR CERTIFICATION On Behalf of

NLU Products, LLC dba BGZ brands

Wireless Charger

Model Number: PWQ15-00MXY-NEO

Additional Model: PWQS5-00MXY-NEO

FCC ID:2ALQR-PWQ15

Prepared for:	NLU Products, LLC dba BGZ brands		
	2801 N Thanksgiving Way, Ste 300 Lehi, UT 84043, USA		
Prepared By:	EST Technology Co., Ltd.		
Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China			
Tel: 86-769-83081888-808			

Report Number:	ESTE-R1810080		
Date of Test:	Oct. 12 ~ 24, 2018		
Date of Report:	Oct. 27, 2018		



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# EST Technology Co., Ltd.

Model Number: Additional Model:	District, Shenzhen , China Wireless Charger  PWQ15-00MXY-NEO  PWQS5-00MXY-NEO  Note: The two models have the same diagram, PCB Layout, components an	hilong Tsai Community,Shiyan Street,Bao' technical construction including circuit				
E.U.T:  Model Number:  Additional Model:	PWQ15-00MXY-NEO  PWQS5-00MXY-NEO  Note: The two models have the same diagram, PCB Layout, components are construction and mechanical construction.	nd component layout, all electrical				
Additional Model:	PWQS5-00MXY-NEO Note: The two models have the same diagram, PCB Layout, components ar construction and mechanical construction.	nd component layout, all electrical				
	Note: The two models have the same diagram, PCB Layout, components are construction and mechanical construction.	nd component layout, all electrical				
	DC 5V From Adapter					
Power Supply:						
Test Voltage:	DC 5V From Adapter Input AC 120V DC 5V From Adapter Input AC 240V					
Trade Name:	Moxyo	Serial No.:				
Date of Receipt:	Oct. 11, 2018	Date of Test: Oct. 12 ~ 24, 2018				
Test Specification:	FCC Rules and Regulations Part 15 S ANSI C63.10:2013	Subpart C:2018				
Test Result:	The device described above is tested by EST Technology Co., Ltd. The measurement results were contained in this test report and EST Technology Co., Ltd. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the FCC Rules and Regulations Part 15 Subpart C requirements.					
	This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd.					
		<b>Date:</b> Oct. 27, 2018				
Prepared by:	Reviewed by:	Approved by:				
Ring / Assistant	Tony / Engineer	Iceman Hu/Manager				
	Tony / Engineer	recinali riti / wanagei				
Other Aspects: None.						

Abbreviations: OK/P=passed

fail/F=failed

n.a/N=not applicable

E.U.T=equipment under tested

This test report is based on a single evaluation of one sample of above mentioned products, It is not permitted to be duplicated in extracts without written approval of EST Technology Co., Ltd.

## 1. GENERAL INFORMATION

# 1.1. Description of Device (EUT)

Product Name	:	Wireless Charger
FCC ID	:	2ALQR-PWQ15
Model Number	:	PWQ15-00MXY-NEO
Operation frequency	:	110-205kHz
Number of channel	:	20
Antenna	:	Coil, 0 dBi.
Modulation	:	MSK
Max output power	:	5W
Sample Type		Prototype production



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# 2. SUMMARY OF TEST

# 2.1. Summary of test result

Description of Test Item	Standard	Results
Power Line Conducted Emission	FCC Part 15: 15.207 ANSI C63.10:2013	PASS
Radiated Emission	FCC Part 15: 15.209 ANSI C63.10:2013	PASS



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# 2.2. Test Facilities

EMC Lab		Certificated by CNAS, CHINA Registration No.: L5288 Date of registration: November 13, 2017  Certificated by A2LA, USA Registration No.: 4366.01 Date of registration: November 07, 2017  Certificated by FCC, USA Designation Number: CN1215 Registration No.: 722932 Date of registration: November 21, 2017  Certificated by Industry Canada Registration No.: 9405A Date of registration: December 03, 2015  Certificated by VCCI, Japan Registration No.: R-13663; C-14103 Date of registration: July 25, 2017 This Certificate is valid until: July 24, 2020  Certificated by TUV Rheinland, Germany Registration No.: UA 50195514 0001 Date of registration: February 07, 2015  Certificated by TUV/PS, Shenzhen Registration No.: SCN1017 Date of registration: January 27, 2011  Certificated by Intertek ETL SEMKO
		Date of registration: February 07, 2015  Certificated by TUV/PS, Shenzhen Registration No.: SCN1017  Date of registration: January 27, 2011
		Certificated by Nemko, Hong Kong Registration No.: 175193 Date of registration: May 4, 2011
Name of Firm	:	EST Technology Co., Ltd.
Site Location	:	Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China



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### 2.3. Measurement uncertainty

Test Item	Uncertainty		
Uncertainty for Conduction emission test	±3.48dB		
Uncertainty for spurious emissions test	±4.60 dB(Polarize: H)		
(30MHz-1GHz)	±4.68 dB(Polarize: V)		
Uncertainty for spurious emissions test (1GHz to 18GHz)	±4.96dB		
Uncertainty for radio frequency	7×10 <sup>-8</sup>		
Uncertainty for conducted RF Power	0.20dB		
Uncertainty for Power density test	0.26dB		

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

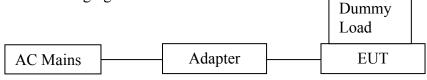
### 2.4. Assistant equipment used for test

#### 2.4.1. Adapter

M/N	:	A1443
Input	:	AC 100-240V~50/60Hz 0.15A
Output	:	DC 5V/1A
Manufacturer	:	Apple

#### 2.5. Block Diagram

For radiated emissions test: EUT was placed on a turn table, which is 0.8 meter high above ground. EUT was beset into wireless charging mode before test.



(EUT: Wireless Charger)

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## 2.6. Test mode

Mode		
	Full Load	
TX + Wireless Charging	Half Load	
	Empty Load	
Remark: The "Full Load" is worst case, will be recorded in the report.		

### 2.7. Channel List

Channel No.	Frequency (kHz)
1	110
2	115
3	120
4	125
5	130
6	135
7	140
8	145
9	150
10	155
11	160
12	165
13	170
14	175
15	180
16	185
17	190
18	195
19	200
20	205



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## 2.8. Test Equipment

### 2.8.1. For conducted emission test

Equipment	Manufacturer	Model No.	Serial No.	Calibration	Last Cal.	Next Cal.
				Body		
EMI Test Receiver	Rohde	ESHS30	832354	CEPREI	June 15,18	1 Year
	& Schwarz					
Artificial Mains Network	Rohde	ENV216	101260	CEPREI	June 15,18	1 Year
	& Schwarz					
Pulse Limiter	Rohde	ESH3-Z2	101100	CEPREI	June 15,18	1 Year
	& Schwarz					
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A

### 2.8.2. For radiated emission test(9 kHz-30MHz)

Equipment	Manufacturer	Model No.	Serial No.	Calibration	Last Cal.	Next Cal.
				Body		
EMI Test	Rohde	ESR7	101780	CEPREI	June 15,18	1 Year
Receiver	& Schwarz					
Active Loop Antenna	SCHWAREB	FMZB 1519B	1519B-088	CEPREI	Aug. 01,18	1 Year
	ECK					
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A

#### 2.8.3. For radiated emissions test (30-1000MHz)

Equipment	Manufacturer	Model No.	Serial No.	Calibration	Last Cal.	Next Cal.
				Body		
EMI Test	Rohde	ESR7	101780	CEPREI	June 15,18	1 Year
Receiver	& Schwarz					
Bilog Antenna	Teseq	CBL 6111D	27090	CEPREI	June 15,18	1 Year
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A

#### 2.8.4. For radiated emission test(above 1GHz)

Equipment	Manufacturer	Model No.	Serial No.	Calibration	Last Cal.	Next Cal.
				Body		
Horn Antenna	SCHWARZB	BBHA 9120 D	BBHA912	CEPREI	June 18,18	1 Year
	ECK		0D1002			
Horn Antenna	SCHWARZB	BBHA9170	BBHA917	CEPREI	June 18,18	1Year
	ECK		0242			
Signal Amplifier	SCHWARZB	BBV9718	9718-212	CEPREI	June 15,18	1 Year
	ECK					
Spectrum Analyzer	Rohde	FSV	103173	CEPREI	June 15,18	1 Year
	&Schwarz					
PSA Series Spertrum	Agilent	E4447A	MY50180	CEPREI	June 15,18	1Year
Analyzer			031			
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A

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### 2.8.5. For connect EUT antenna terminal test

Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
Spectrum Analyzer	Rohde &Schwarz	FSV	103173	CEPREI	June 15,18	1 Year
Spectrum Analyzer	Agilent	E4408B	MY44211 139	CEPREI	June 15,18	1 Year



#### 3 POWER LINE CONDUCTED EMISSION TEST

#### 3.1Limit

	Maximum RF Line Voltage				
Frequency	Quasi-Peak Level	Average Level			
	$dB(\mu V)$	dB(µV)			
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*			
500kHz ~ 5MHz	56	46			
5MHz ~ 30MHz	60	50			

Notes: 1. \* Decreasing linearly with logarithm of frequency.

#### 3.2 Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). This provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs). The 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 ANSI C63.10: 2013 on Conducted Emission Test.

The bandwidth of test receiver (R & S ESHS30) is set at 10kHz.

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

#### 3.3. Test Result

**PASS.** (All emissions not reported below are too low against the prescribed limits.)



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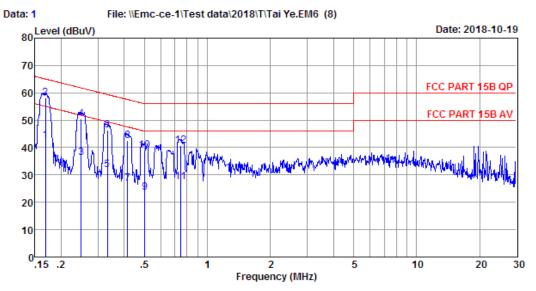
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<sup>2.</sup> The lower limit shall apply at the transition frequencies.

#### 3.4. Test data

### EST Technology

Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China Tel:+86-769-83081888 Fax:+86-769-83081878



: 844 Shield Room Data no.

Env. / Ins. : Temp:24.2'C Humi:53% Press:101.50kPa LINE Phase : NEUTRAL

: FCC PART 15B QP : Viking Limit

Engineer

EUT : Wireless Charger

: DC 5V From Adapter Input AC 120V/60Hz Power

M/N : PWQ15-00MXY-NEO Test Mode : TX Mode+Charging

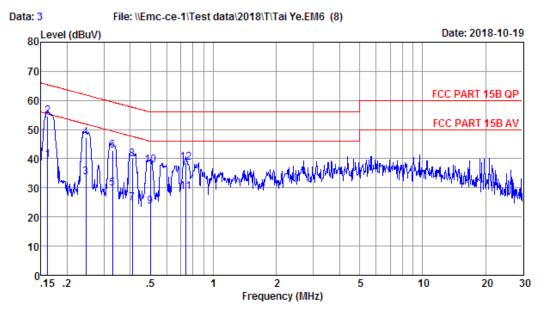
	Freq.	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuv)	Limits (dBuv)	Margin (dB)	Remark
1	0.17	9.61	9.69	23.20	42.50	55.03	12.53	Average
2	0.17	9.61	9.69	38.75	58.05	65.03	6.98	QP
3	0.25	9.62	9.92	16.90	36.44	51.78	15.34	Average
4	0.25	9.62	9.92	31.07	50.61	61.78	11.17	QP
5	0.33	9.63	9.92	12.20	31.75	49.40	17.65	Average
6	0.33	9.63	9.92	26.87	46.42	59.40	12.98	QP
7	0.41	9.64	9.92	7.17	26.73	47.55	20.82	Average
8	0.41	9.64	9.92	22.96	42.52	57.55	15.03	QP
9	0.50	9.65	9.92	4.07	23.64	46.00	22.36	Average
10	0.50	9.65	9.92	19.50	39.07	56.00	16.93	QP
11	0.74	9.69	9.93	7.74	27.36	46.00	18.64	Average
12	0.74	9.69	9.93	21.03	40.65	56.00	15.35	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.

- 2. Margin= Limit Emission Level.
- 3. If the average limit is met when useing a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China Tel:+86-769-83081888 Fax:+86-769-83081878



: 844 Shield Room Data no. : 3 Env. / Ins. : Temp:24.2'C Humi:53% Press:101.50kPa LINE Phase : LINE

: FCC PART 15B QP : Viking Limit

Engineer

EUT : Wireless Charger

Power : DC 5V From Adapter Input AC 120V/60Hz

M/N : PWQ15-00MXY-NEO Test Mode : TX Mode+Charging

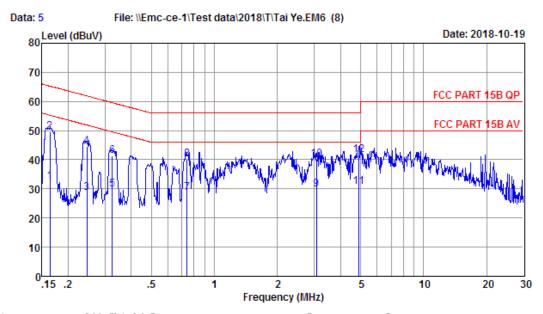
	Freq.	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuv)	Limits (dBuv)	Margin (dB)	Remark
1	0.16	9.73	9.69	20.20	39.62	55.38	15.76	Average
2	0.16	9.73	9.69	35.07	54.49	65.38	10.89	QP
3	0.25	9.72	9.92	13.90	33.54	51.91	18.37	Average
4	0.25	9.72	9.92	27.55	47.19	61.91	14.72	QP
5	0.33	9.72	9.92	10.20	29.84	49.44	19.60	Average
6	0.33	9.72	9.92	23.06	42.70	59.44	16.74	QP
7	0.41	9.72	9.92	5.13	24.77	47.64	22.87	Average
8	0.41	9.72	9.92	20.36	40.00	57.64	17.64	QP
9	0.50	9.72	9.92	4.07	23.71	46.01	22.30	Average
10	0.50	9.72	9.92	18.14	37.78	56.01	18.23	QP
11	0.74	9.72	9.93	9.07	28.72	46.00	17.28	Average
12	0.74	9.72	9.93	19.04	38.69	56.00	17.31	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.

- 2. Margin= Limit Emission Level.
- 3. If the average limit is met when useing a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China Tel:+86-769-83081888 Fax:+86-769-83081878



: 844 Shield Room Data no. Env. / Ins. : Temp:24.2'C Humi:53% Press:101.50kPa LINE Phase : LINE

: FCC PART 15B QP : Viking Limit

Engineer

EUT : Wireless Charger

: DC 5V From Adapter Input AC 240V/60Hz Power

M/N : PWQ15-00MXY-NEO Test Mode : TX Mode+Charging

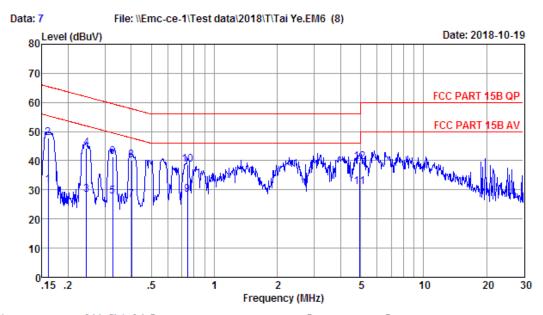
	Freq.	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuv)	Limits (dBuv)	Margin (dB)	Remark
1	0.16	9.73	9.69	13.20	32.62	55.30	22.68	Average
2	0.16	9.73	9.69	30.05	49.47	65.30	15.83	QP
3	0.25	9.72	9.92	8.90	28.54	51.91	23.37	Average
4	0.25	9.72	9.92	24.79	44.43	61.91	17.48	QP
5	0.33	9.72	9.92	10.20	29.84	49.57	19.73	Average
6	0.33	9.72	9.92	21.58	41.22	59.57	18.35	QP
7	0.74	9.72	9.93	9.07	28.72	46.00	17.28	Average
8	0.74	9.72	9.93	20.60	40.25	56.00	15.75	QP
9	3.07	9.75	9.98	9.94	29.67	46.00	16.33	Average
10	3.07	9.75	9.98	20.48	40.21	56.00	15.79	QP
11	4.90	9.77	10.00	11.06	30.83	46.00	15.17	Average
12	4.90	9.77	10.00	21.86	41.63	56.00	14.37	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.

- 2. Margin= Limit Emission Level.
- 3. If the average limit is met when useing a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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: 844 Shield Room Data no. : 7 Env. / Ins. : Temp:24.2'C Humi:53% Press:101.50kPa LINE Phase : NEUTRAL

: FCC PART 15B QP : Viking Limit

Engineer

EUT : Wireless Charger

Power : DC 5V From Adapter Input AC 240V/60Hz

M/N : PWQ15-00MXY-NEO Test Mode : TX Mode+Charging

	Freq.	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuv)	Limits (dBuv)	Margin (dB)	Remark
1	0.16	9.61	9.69	12.20	31.50	55.43	23.93	Average
2	0.16	9.61	9.69	28.61	47.91	65.43	17.52	QP
3	0.24	9.62	9.92	8.90	28.44	51.95	23.51	Average
4	0.24	9.62	9.92	24.71	44.25	61.95	17.70	QP
5	0.33	9.63	9.92	8.20	27.75	49.53	21.78	Average
6	0.33	9.63	9.92	21.85	41.40	59.53	18.13	QP
7	0.40	9.64	9.92	7.13	26.69	47.81	21.12	Average
8	0.40	9.64	9.92	20.68	40.24	57.81	17.57	QP
9	0.74	9.69	9.93	8.74	28.36	46.00	17.64	Average
10	0.74	9.69	9.93	19.09	38.71	56.00	17.29	QP
11	4.93	9.92	10.00	11.17	31.09	46.00	14.91	Average
12	4.93	9.92	10.00	19.57	39.49	56.00	16.51	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.

- 2. Margin= Limit Emission Level.
- 3. If the average limit is met when useing a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



#### 4 RADIATED EMISSION TEST

#### 4.1 Limit

#### 4.1.1 15.209 limits

Frequency (MHz)	Field Strength(μV/m)	Distance(m)		
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		

Remark : (1) Emission level  $dB\mu V = 20 \log Emission level \mu V/m$ 

- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

#### 4.1.2 15.205 Restricted bands of operation

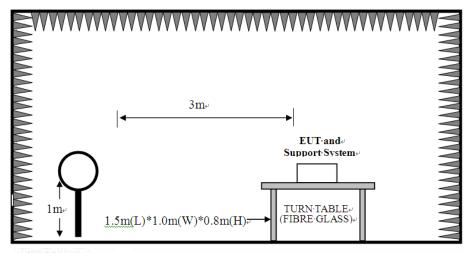
MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
<sup>1</sup> 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	( <sup>2</sup> )

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

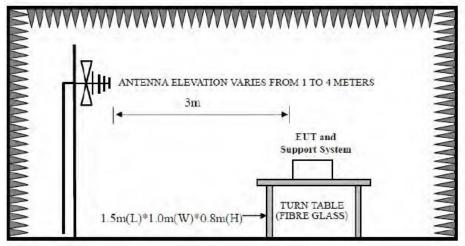


## 4.2. Block Diagram of Test setup

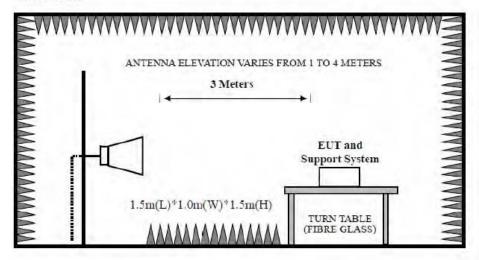
9kHz~30MHz.



30~1000MHz



Above 1GHz





#### 4.3. Test Procedure

EUT was placed on a turn table, which is 0.8 meter high above ground for 9kHz~1000MHz test, and which is 1.5 meter high above ground for above 1GHz test. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it. 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 between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on test.

The test frequency analyzer system was set to Peak Detect (200Hz RBW in 9kHz to 150kHz and 10kHz RBW in 150kHz to 30MHz) Function and Specified Bandwidth with Maximum Hold Mode.

The bandwidth of the EMI test receiver (R&S ESVS10) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the Spectrum's VBW is set at 1MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz

PEAK detector, 1MHz/1MHz for PAEK measurement, PEAK detector, 1MHz/10Hz for Average measurement

#### 4.4. Test Result

#### PASS.

All the emissions from 9kHz to 1000 MHz were comply with 15.209 limits.



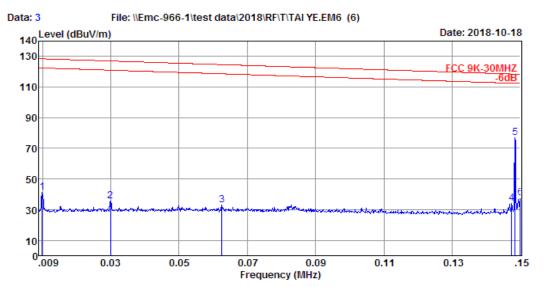
EST Technology Co., Ltd Report No. ESTE-R1810080

#### 4.5. Test Data

#### 9 kHz - 30 MHz

## EST Technology

Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China Tel:+86-769-83081888 Fax:+86-769-83081878



: 1# 966 Chamber Site no. Data no. : 3 Ant. pol. : VERTICAL Dis. / Ant. : 3m FMZB 1519B

: FCC 9K-30MHZ Limit

Env. / Ins. : Temp:24.9'; Humi:52%; Press:101.52kPa

: Viking Engineer

EUT

: Wireless Charger : DC 5V From Adapter Input AC 120V/60Hz Power

: PWQ15-00MXY-NEO M/N Test Mode : TX Mode+Charging

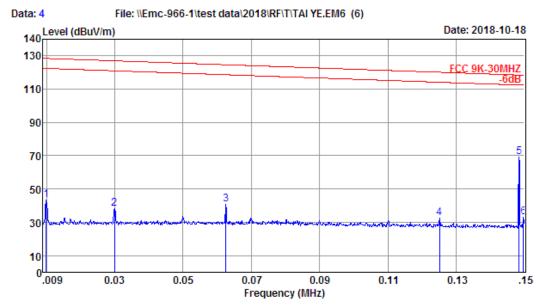
	Freq.	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.01	20.65	0.10	20.50	41.25	128.45	87.20	QP
2	0.03	20.42	0.10	15.12	35.64	127.00	91.36	QP
3	0.06	20.29	0.10	12.84	33.23	124.65	91.42	QP
4	0.15	20.26	0.10	13.66	34.02	118.53	84.51	QP
5	0.15	20.26	0.10	56.73	77.09	118.45	41.36	QP
6	0.15	20.26	0.10	17.12	37.48	118.34	80.86	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

- 2. Margin= Limit Emission Level.
- 3. The emission levels that are 20dB below the official limit are not reported.



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Site no. : 1# 966 Chamber Data no. : 4

Dis. / Ant. : 3m FMZB 1519B Ant. pol. : HORIZONTAL

Limit : FCC 9K-30MHZ

Env. / Ins. : Temp:24.9'; Humi:52%; Press:101.52kPa

Engineer : Viking

EUT : Wireless Charger

Power : DC 5V From Adapter Input AC 120V/60Hz

M/N : PWQ15-00MXY-NEO
Test Mode : TX Mode+Charging

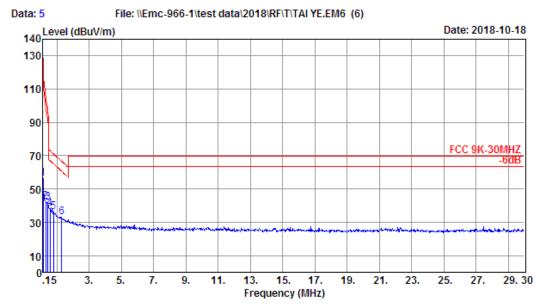
	Freq.	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.01	20.65	0.10	22.57	43.32	128.45	85.13	QP
2	0.03	20.42	0.10	17.50	38.02	127.00	88.98	QP
3	0.06	20.29	0.10	20.57	40.96	124.65	83.69	QP
4	0.13	20.25	0.10	12.19	32.54	120.13	87.59	QP
5	0.15	20.26	0.10	48.86	69.22	118.45	49.23	QP
6	0.15	20.26	0.10	12.56	32.92	118.36	85.44	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

- 2. Margin= Limit Emission Level.
- 3. The emission levels that are 20dB below the official limit are not reported.



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Site no. : 1# 966 Chamber Data no. : 5

Dis. / Ant. : 3m FMZB 1519B Ant. pol. : HORIZONTAL

Limit : FCC 9K-30MHZ

Env. / Ins. : Temp:24.9'; Humi:52%; Press:101.52kPa

Engineer : Viking

EUT : Wireless Charger

Power : DC 5V From Adapter Input AC 120V/60Hz

M/N : PWQ15-00MXY-NEO
Test Mode : TX Mode+Charging

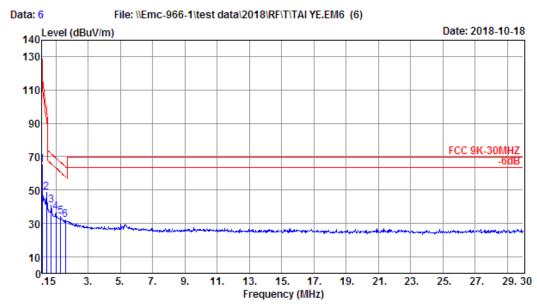
	Freq.	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.15	20.26	0.10	35.74	56.10	118.34	62.24	QP
2	0.33	20.07	0.10	22.28	42.45	105.41	62.96	QP
3	0.45	20.08	0.10	21.73	41.91	96.80	54.89	QP
4	0.60	20.06	0.10	18.20	38.36	72.84	34.48	QP
5	0.81	20.03	0.10	15.85	35.98	70.98	35.00	QP
6	1.31	20.03	0.10	13.07	33.20	66.45	33.25	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

- 2. Margin= Limit Emission Level.
- 3. The emission levels that are 20dB below the official limit are not reported.



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Site no. : 1# 966 Chamber Data no. : 6
Dis. / Ant. : 3m FMZB 1519B Ant. pol. : VERTICAL

Limit : FCC 9K-30MHZ

Env. / Ins. : Temp:24.9'; Humi:52%; Press:101.52kPa

Engineer : Viking

EUT : Wireless Charger

Power : DC 5V From Adapter Input AC 120V/60Hz

M/N : PWQ15-00MXY-NEO
Test Mode : TX Mode+Charging

	Freq.	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.15	20.26	0.10	44.79	65.15	118.34	53.19	QP
2	0.42	20.08	0.10	28.35	48.53	98.95	50.42	QP
3	0.72	20.05	0.10	20.69	40.84	71.78	30.94	QP
4	1.02	20.01	0.10	16.50	36.61	69.11	32.50	QP
5	1.31	20.03	0.10	13.77	33.90	66.45	32.55	QP
6	1.61	19.99	0.11	11.99	32.09	63.79	31.70	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

- 2. Margin= Limit Emission Level.
- 3. The emission levels that are 20dB below the official limit are not reported.

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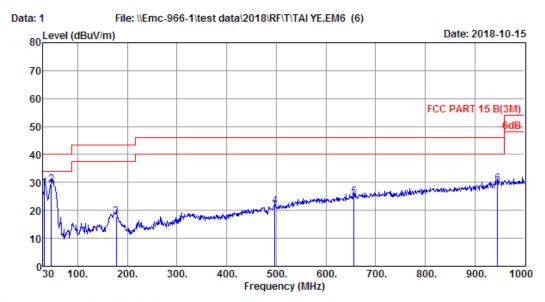


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#### 30-1000 MHz

## EST Technology

Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China Tel:+86-769-83081888 Fax:+86-769-83081878



Site no. : 1# 966 Chamber Data no. : 1
Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL

Limit : FCC PART 15 B(3M)

Env. / Ins. : Temp:24.2'; Humi:50%; Press:101.52kPa

Engineer : Viking

EUT : Wireless Charger

Power : DC 5V From Adapter Input AC 120V/60Hz

M/N : PWQ15-00MXY-NEO
Test Mode : TX Mode+Charging

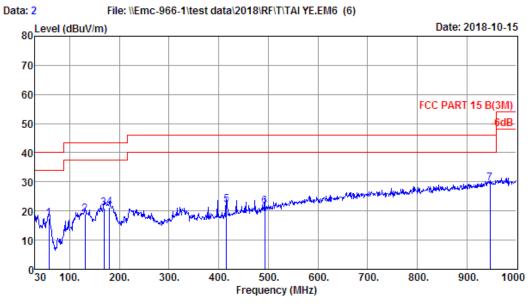
	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	32.91	16.35	0.16	11.42	27.93	40.00	12.07	QP
2	46.49	9.50	0.27	19.55	29.32	40.00	10.68	QP
3	177.44	9.50	1.19	6.94	17.63	43.50	25.87	QP
4	497.54	18.12	2.66	0.91	21.69	46.00	24.31	QP
5	656.62	21.21	3.23	0.48	24.92	46.00	21.08	QP
6	945.68	24.56	4.45	0.62	29.63	46.00	16.37	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

- 2. Margin= Limit Emission Level.
- 3. The emission levels that are 20dB below the official limit are not reported.



Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China Tel:+86-769-83081888 Fax:+86-769-83081878



Site no. : 1# 966 Chamber Data no. : 2

Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B(3M)

Env. / Ins. : Temp:24.2'; Humi:50%; Press:101.52kPa

Engineer : Viking

EUT : Wireless Charger

Power : DC 5V From Adapter Input AC 120V/60Hz

M/N : PWQ15-00MXY-NEO
Test Mode : TX Mode+Charging

	Freq.	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	58.13	5.30	0.40	11.66	17.36	40.00	22.64	QP
2	130.88	11.78	0.98	6.17	18.93	43.50	24.57	QP
3	168.71	9.92	1.20	9.98	21.10	43.50	22.40	QP
4	180.35	9.40	1.23	10.77	21.40	43.50	22.10	QP
5	416.06	16.48	2.16	3.49	22.13	46.00	23.87	QP
6	492.69	17.98	2.66	0.79	21.43	46.00	24.57	QP
7	946.65	24.57	4.47	0.44	29.48	46.00	16.52	QP

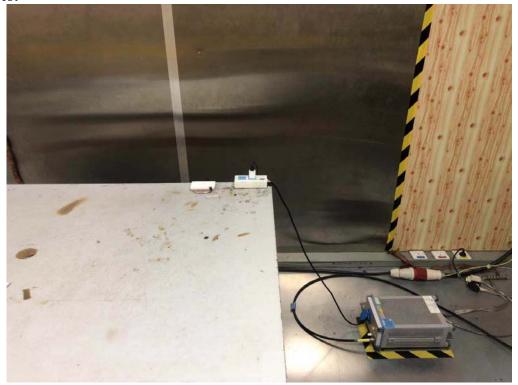
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

- 2. Margin= Limit Emission Level.
- 3. The emission levels that are 20dB below the official limit are not reported.



# 5 TEST SETUPPHOTO

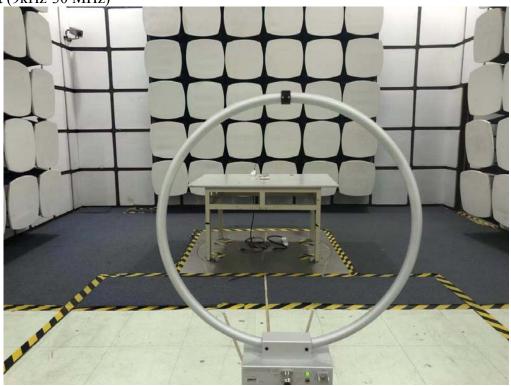
Conducted Test

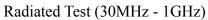


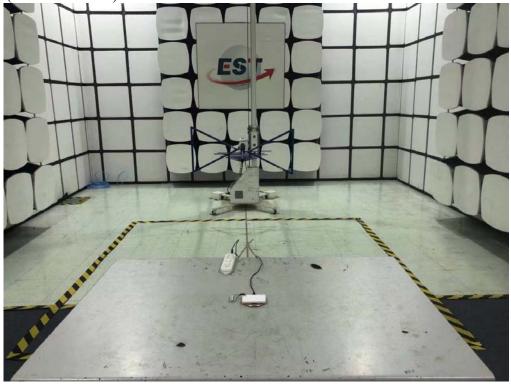




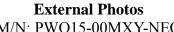
Radiated Test (9kHz-30 MHz)



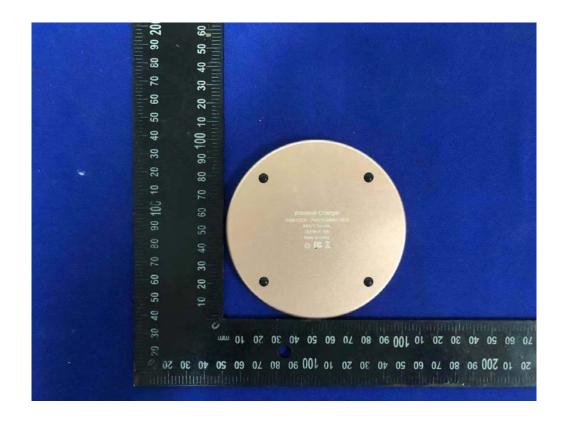




#### 6 PHOTO EUT



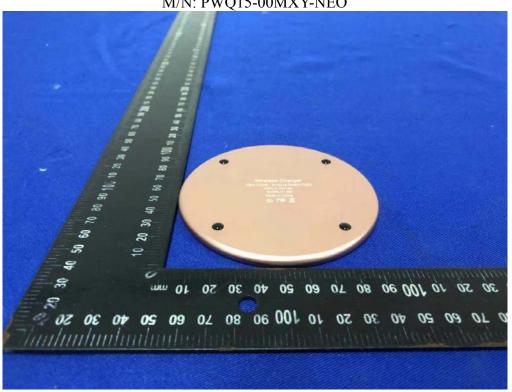


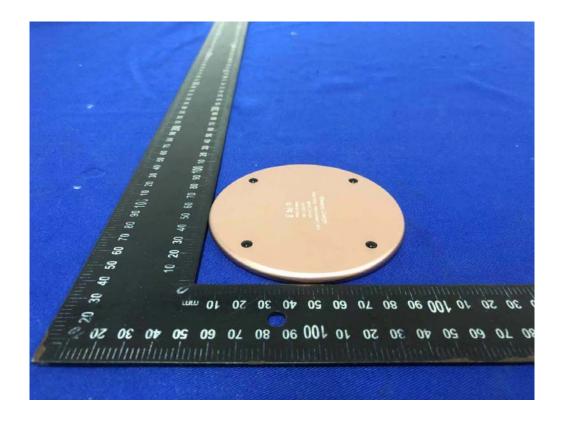




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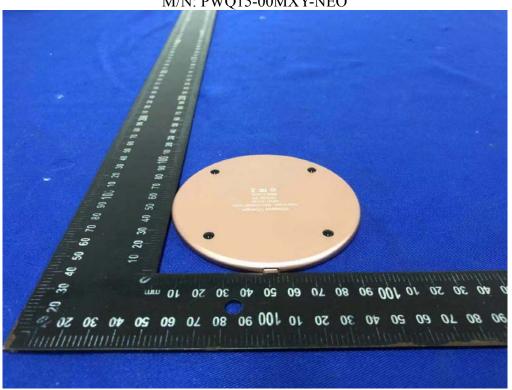
**External Photos** M/N: PWQ15-00MXY-NEO

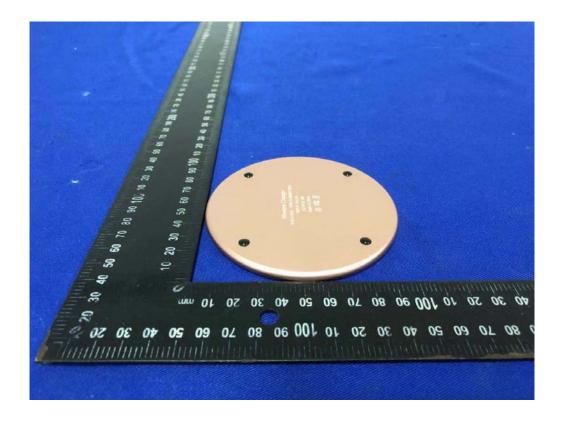






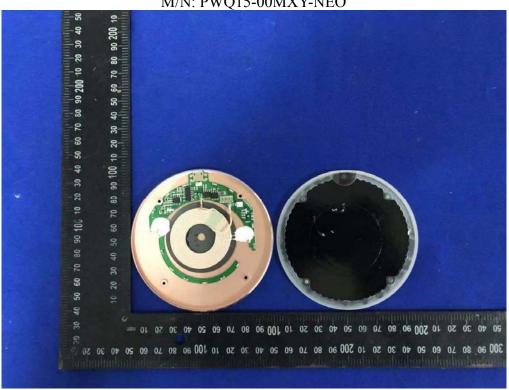
**External Photos** M/N: PWQ15-00MXY-NEO

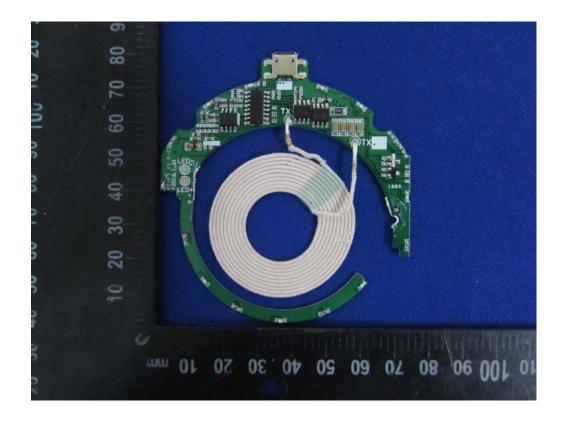






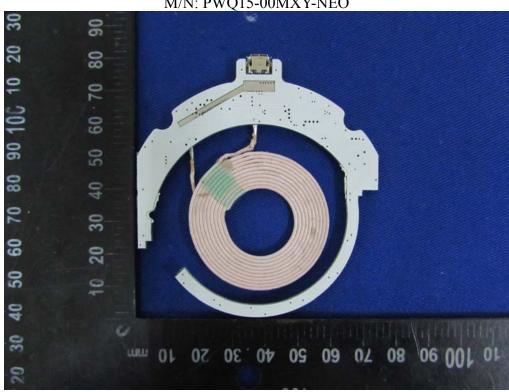
**Internal Photos** M/N: PWQ15-00MXY-NEO

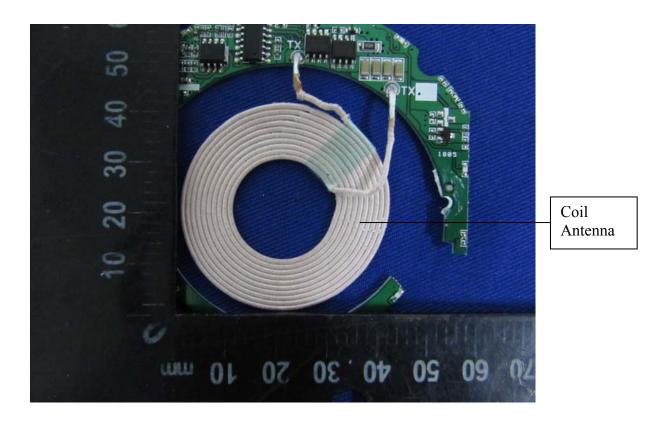






**Internal Photos** M/N: PWQ15-00MXY-NEO





EST,