Report No.: NTC1809081FV00

FCC ID: 2AQ7Z-CJ001



# RADIO TEST REPORT

The device described below is tested by Dongguan Nore Testing Center Co., Ltd. to determine the maximum emission levels emanating from the device, the severe levels which the device can endure and E.U.T.'s performance criterion. The test results, data evaluation, test procedures, and equipment of configurations shown in this report were made in accordance with the procedures in ANSI C63.10(2013).

Applicant : Cjing Lighting Co.,Ltd

Address : Gangjian Road, Tutang Village, Changping Town, Dongguan City,

Guangdong Province, China.

Manufacturer/Factory : Cjing Lighting Co.,Ltd

Address : Gangjian Road, Tutang Village, Changping Town, Dongguan City,

Guangdong Province, China.

E.U.T. : Wireless charger base

Brand Name : CJ

Model No. : CJ-TX5VA1-V0

FCC ID : 2AQ7Z-CJ001

Measurement Standard: FCC PART 15 Subpart C

Date of Receiver : September 10, 2018

Date of Test : September 10, 2018 to September 17, 2018

Date of Report : September 17, 2018

This Test Report is Issued Under the Authority of :

Prepared by

Sundiy jiang / Engineer

Approved Mathorize Congressioner

Iori Fan Authorized Signatory

This test report is for the customer shown above and their specific product only. This report applies to above tested sample only and shall not be reproduced in part without written approval of Dongguan Nore Testing Center Co., Ltd.

Dongguan Nore Testing Center Co., Ltd. Report No.: NTC1809081FV00 FCC ID: 2AQ7Z-CJ001



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# **Revision History of This Test Report**

Report Number	Description	Issued Date
NTC1809081FV00	Initial Issue	2018-09-17

Report No.: NTC1809081FV00

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## 1. GENERAL INFORMATION

## 1.1 Product Description for Equipment under Test

Product name : Wireless charger base

Main model : CJ-TX5VA1-V0

Additional model : N/A

Brand name : CJ

Power Supply : AC100-240V ~50/60Hz

Output: 5W(5V 1A)

Test voltage : AC 120V ~60Hz

Adapter : Manufacturer: JINGYA

M/N: JP-0502000

Input: AC100-240V ~50/60Hz

Output: DC5V 2A

Cable : N/A

Software version : V1.0

Hardware version : V1.0

Note : N/A

## **Technical Specification:**

Frequency Range : 110.5-205KHz Test Channel : 112.20KHz

Type of Modulation : ASK

Type of Antenna : induction coil

Antenna Gain : 0 dBi

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# 1.2 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: **2AQ7Z-CJ001** filing to comply with FCC Part 15 (2017), Subpart C Rule.

#### 1.3 Test Methodology

Both AC mains line-conducted and radiated emission measurements were performed according to the procedures in ANSI C63.10 (2013). Radiated emission measurement was performed in semi-anechoic chamber and conducted emission measurement was performed in shield room. For radiated emission measurement, preliminary scans were performed in the semi-anechoic chamber only to determine the worst case modes. All radiated tests were performed at an antenna to EUT distance of 3 meters.

### 1.4 Equipment Modifications

Not available for this EUT intended for grant.

#### 1.5 Support Device

Inductive load : Provided by the laboratory

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# 1.6 Test Facility and Location

Site Description

EMC Lab : Listed by CNAS, August 13, 2018

The certificate is valid until August 13, 2024

The Laboratory has been assessed and proved to

be in compliance with CNAS/CL01

The Certificate Registration Number is L5795.

Listed by A2LA, November 01, 2017

The certificate is valid until December 31, 2019 The Laboratory has been assessed and proved to

be in compliance with ISO17025

The Certificate Registration Number is 4429.01

Listed by FCC, November 06, 2017 The Designation Number is CN1214 Test Firm Registration Number: 907417

Listed by Industry Canada, June 08, 2017

The Certificate Registration Number. Is 46405-9743

Name of Firm : Dongguan Nore Testing Center Co., Ltd.

(Dongguan NTC Co., Ltd.)

Site Location : Building D, Gaosheng Science & Technology Park,

Zhouxi Longxi Road, Nancheng District, Dongguan

City, Guangdong Province, China

# 1.7 Summary of Test Results

FCC Rules	Description Of Test	Uncertainty	Result
§15.35	20dB Bandwidth	±1.42 x10 <sup>-4</sup> %	Compliant
§15.207 (a)	AC Power Conducted Emission	±1.06dB	Compliant
§15.209	Radiated Emission	±3.70dB	Compliant

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# 2. System Test Configuration

# 2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

#### 2.2 Pecial Accessories

Not available for this EUT intended for grant.

## 2.3 Description of test modes

The EUT has been tested under operating condition. Test program used to control the EUT for staying in continuous transmitting and normal mode is programmed. The Lowest, middle and highest channel were chosen for testing.

#### 2.4 EUT Exercise

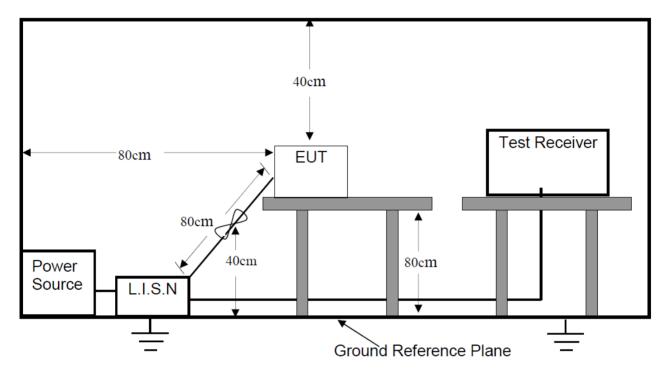
The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements.

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# 3. Conducted Emissions Test

# 3.1 Test SET-UP (Block Diagram of Configuration)



## 3.2 Test Condition

Test Requirement: FCC Part 15.207

Frequency Range: 150KHz ~ 30MHz

Detector: RBW 9KHz, VBW 30KHz

**Operation Mode: Energy transmissions, Standby** 

#### 3.3 Measurement Results

Please refer to following plots of the worst case: Energy transmissions

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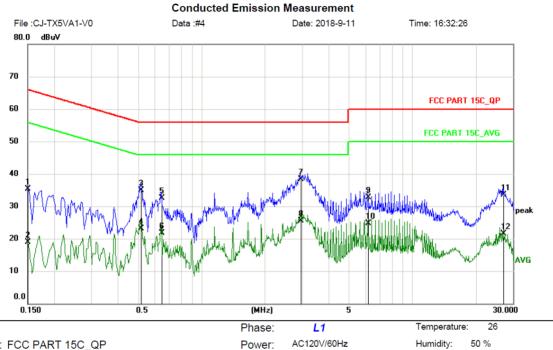




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Tel: +86-769-22022444 Fax: +86-769-22022799

Web: Http://www.ntc-c.com



Limit: FCC PART 15C\_QP EUT: Wireless charger base M/N: CJ-TX5VA1-V0

Mode: Energy transmissions

Note:

Site

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu∨	dBu∀	dB	Detector	Comment
1		0.1500	24.69	10.61	35.30	66.00	-30.70	QP	
2		0.1500	8.39	10.61	19.00	56.00	-37.00	AVG	
3		0.5180	24.38	10.62	35.00	56.00	-21.00	QP	
4		0.5180	12.48	10.62	23.10	46.00	-22.90	AVG	
5		0.6460	21.87	10.63	32.50	56.00	-23.50	QP	
6		0.6460	11.17	10.63	21.80	46.00	-24.20	AVG	
7	*	2.9500	27.65	10.65	38.30	56.00	-17.70	QP	
8		2.9500	14.85	10.65	25.50	46.00	-20.50	AVG	
9		6.1817	22.14	10.66	32.80	60.00	-27.20	QP	
10		6.1817	14.04	10.66	24.70	50.00	-25.30	AVG	
11		27.1020	22.92	10.68	33.60	60.00	-26.40	QP	
12		27.1020	10.82	10.68	21.50	50.00	-28.50	AVG	

<sup>\*:</sup>Maximum data x:Over limit !:over margin

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FCC ID: 2AQ7Z-CJ001

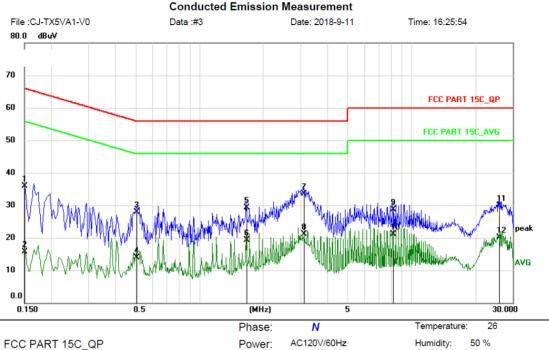




Dongguan NTC Co., Ltd.

Tel: +86-769-22022444 Fax: +86-769-22022799

Web: Http://www.ntc-c.com



Limit: FCC PART 15C\_QP EUT: Wireless charger base M/N: CJ-TX5VA1-V0

Mode: Energy transmissions

Note:

Site

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBu∨	dB	Detector	Comment
1	0.1500	25.29	10.61	35.90	66.00	-30.10	QP	
2	0.1500	5.19	10.61	15.80	56.00	-40.20	AVG	
3	0.5060	17.38	10.62	28.00	56.00	-28.00	QP	
4	0.5060	3.38	10.62	14.00	46.00	-32.00	AVG	
5	1.6700	18.75	10.65	29.40	56.00	-26.60	QP	
6	1.6700	8.75	10.65	19.40	46.00	-26.60	AVG	
7 *	3.0940	22.85	10.65	33.50	56.00	-22.50	QP	
8	3.0940	10.45	10.65	21.10	46.00	-24.90	AVG	
9	8.1899	18.13	10.67	28.80	60.00	-31.20	QP	
10	8.1899	10.53	10.67	21.20	50.00	-28.80	AVG	
11	25.8460	19.22	10.68	29.90	60.00	-30.10	QP	
12	25.8460	9.52	10.68	20.20	50.00	-29.80	AVG	

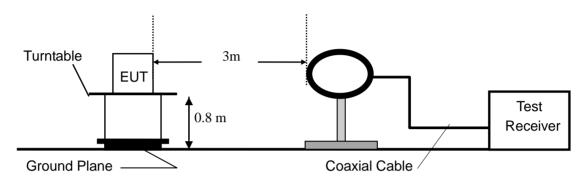
<sup>\*:</sup>Maximum data x:Over limit !:over margin

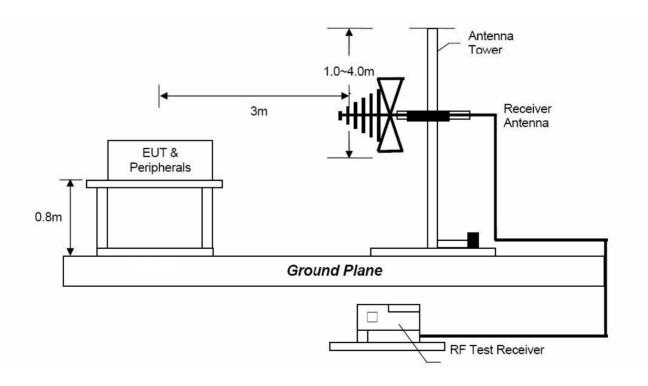


# 4. Radiated Emission Test

# 4.1 Test SET-UP (Block Diagram of Configuration)

4.1.1 Radiated Emission Test Set-Up, Frequency below 30MHz



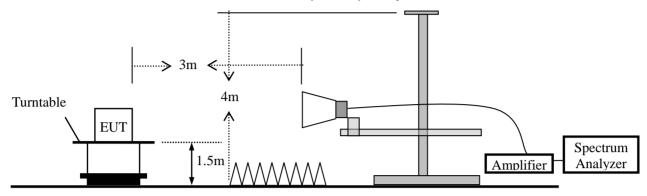


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# 4.1.2 Radiated Emission Test Set-Up, Frequency above 1GHz



#### 4.2 Measurement Procedure

- a. Blow 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi- anechoic chamber room.
- b. For the radiated emission test above 1GHz:
  - The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter full anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation. Place the measurement antenna 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 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.
- c. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to peak detect function and specified bandwidth with maximum hold mode.
- f. A Quasi-peak measurement was then made for that frequency point for below 1GHz test. PK and AV for above 1GHz emission test.

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During the radiated emission test, the spectrum analyzer was set with the following configurations:

Frequency Band (MHz)	Level	Resolution Bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
	Peak	1 MHz	3 MHz
Above 1000	Average	1 MHz	10 Hz

#### 4.3 Limit

Frequency range	Distance Meters	Field Strengths Limit (15.209)
MHz		μV/m
0.009 ~ 0.490	300	2400/F(kHz)
0.490 ~ 1.705	30	24000/F(kHz)
1.705 ~ 30	30	30
30 ~ 88	3	100
88 ~ 216	3	150
216 ~ 960	3	200
Above 960	3	500

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) As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.
- (4) The frequency range scanned is from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or 40 GHz, whichever is lower.

Dongguan Nore Testing Center Co., Ltd. Report No.: NTC1809081FV00 FCC ID: 2AQ7Z-CJ001



# 4.4 Measurement Results

Please refer to following plots of the worst case: Energy transmissions

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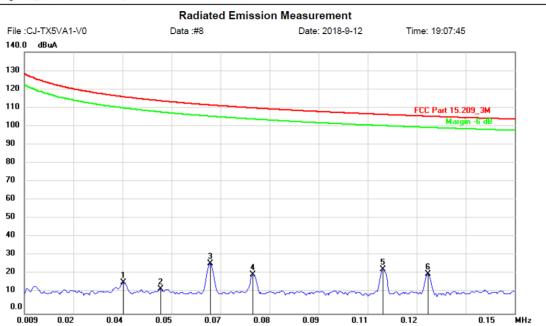
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Web: Http://www.ntc-c.com



Site: 3m Chamber

Limit: FCC Part 15.209\_3M EUT: Wireless charger base

M/N: CJ-TX5VA1-V0

Mode: Energy transmissions

Note:

Polarizat	ion: <b>Vertical</b>	Temperature:	26
Power:	AC120V/60Hz	Humidity: 60	) %

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
	MHz	dBuV	dB/m	dBuA	dBuA	dB	Detector	cm	degree	Comment
1	0.0374	-15.65	32.32	16.67	116.02	-99.35	QP			
2	0.0480	-19.17	32.37	13.20	113.87	-100.67	QP			
3	0.0623	-5.41	32.30	26.89	111.61	-84.72	QP			
4	0.0747	-11.53	32.30	20.77	110.05	-89.28	QP			
5 *	0.1121	-8.78	32.30	23.52	106.54	-83.02	QP			
6	0.1250	-11.02	32.30	21.28	105.60	-84.32	QP			

Report No.: NTC1809081FV00

FCC ID: 2AQ7Z-CJ001





Dongguan NTC Co., Ltd. Tel:+86-769-22022444 Fax:+86-769-22022799

Web: Http://www.ntc-c.com

#### **Radiated Emission Measurement** File: CJ-TX5VA1-V0 Data:#7 Date: 2018-9-12 Time: 18:55:58 140.0 dBuA 130 120 110 FCC Part 15.209 3M Margin -6 dB 100 90 80 70 60 50 40 30 20 10 0.0 0.02 0.04 0.009 0.05 0.07 0.08 0.09 0.11 0.12 0.15 MHz

Site: 3m Chamber

Limit: FCC Part 15.209\_3M EUT: Wireless charger base

M/N: CJ-TX5VA1-V0

Mode: Energy transmissions

Note:

Polarizatio	M.	Horizontai	remperature.		20
Power:	AC1	20V/60Hz	Humidity:	60	%

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
	MHz	dBu∀	dB/m	dBuA	dBuA	dB	Detector	cm	degree	Comment
1	0.0374	-15.65	32.32	16.67	116.02	-99.35	QP			
2	0.0497	-19.17	32.36	13.19	113.57	-100.38	QP			
3	0.0623	-5.51	32.30	26.79	111.61	-84.82	QP			
4	0.0748	-11.22	32.30	21.08	110.03	-88.95	QP			
5 *	0.1121	7.71	32.30	40.01	106.54	-66.53	QP			
6	0.1250	-11.39	32.30	20.91	105.60	-84.69	QP			

<sup>\*:</sup>Maximum data x:Over limit !:over margin \( \text{Reference Only}

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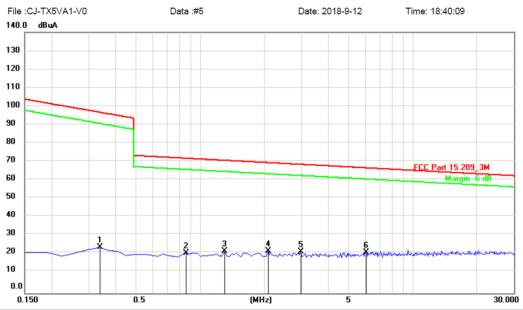




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Web: Http://www.ntc-c.com

Radiated Emission Measurement



Site: 3m Chamber

Limit: FCC Part 15.209\_3M EUT: Wireless charger base

M/N: CJ-TX5VA1-V0

Mode: Energy transmissions

Note:

Polarization	on:	Vertical	Temperature:	2	26
Power:	AC1	20V/60Hz	Humidity:	60 %	,

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
	MHz	dBuV	dB/m	dBuA	dBuA	dB	Detector	cm	degree	Comment
1	0.3366	-7.73	32.25	24.52	97.04	-72.52	QP			
2	0.8588	-10.78	32.17	21.39	72.32	-50.93	QP			
3	1.3065	-9.75	32.17	22.42	71.22	-48.80	QP			
4	2.0901	-9.49	32.17	22.68	69.98	-47.30	QP			
5	2.9857	-10.00	32.17	22.17	69.04	-46.87	QP			
6 *	6.0080	-10.18	32.23	22.05	67.20	-45.15	QP			

<sup>\*:</sup>Maximum data x:Over limit !:over margin \( \text{Reference Only}

Report No.: NTC1809081FV00

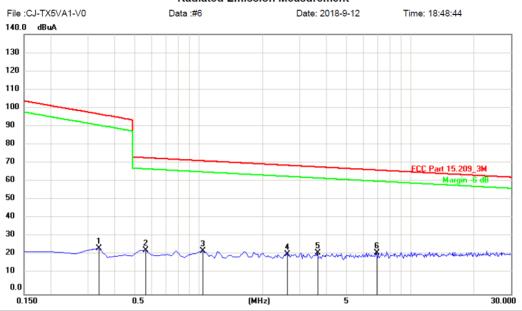
FCC ID: 2AQ7Z-CJ001





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Radiated Emission Measurement



Site: 3m Chamber

Limit: FCC Part 15.209\_3M EUT: Wireless charger base

M/N: CJ-TX5VA1-V0

Mode: Energy transmissions

Note:

Polarizat	ion: <i>Horizontal</i>	Temperature:	26
Power:	AC120V/60Hz	Humidity: 60	) %

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
	MHz	dBuV	dB/m	dBuA	dBuA	dB	Detector	cm	degree	Comment
1	0.3366	-7.56	32.25	24.69	97.04	-72.35	QP			
2	0.5604	-8.56	32.21	23.65	73.45	-49.80	QP			
3	1.0455	-9.04	32.17	23.13	71.81	-48.68	QP			
4	2.6126	-10.51	32.17	21.66	69.39	-47.73	QP			
5	3.6573	-10.00	32.19	22.19	68.51	-46.32	QP			
6 *	6.9782	-9.93	32.27	22.34	66.81	-44.47	QP			

<sup>\*:</sup>Maximum data x:Over limit !:over margin (Reference Only

Report No.: NTC1809081FV00 FCC ID: 2AQ7Z-CJ001



1000.00 MHz

47 %



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**Radiated Emission Measurement** File: CJ-TX5VA1-V0 Data :#1 Date: 2018-9-11 Time: 21:30:19 80.0 dBuV/m 70 60 FCC Part 15C\_Class B\_3M Margin -6 dB 50 40 30 20 10

515.00

Power:

Polarization:

Distance: 3m

612.00

AC120V/60Hz

Vertical

709.00

806.00

Temperature: Humidity:

30.000 Site: 3m Chamber

0.0

Limit: FCC Part 15C\_Class B\_3M EUT: Wireless charger base

127.00

224.00

321.00

418.00

M/N: CJ-TX5VA1-V0

Note:

Mode: Energy transmissions

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		53.2800	44.47	-13.57	30.90	40.00	-9.10	QP			
2	*	123.1200	53.80	-17.40	36.40	43.50	-7.10	QP			
3		172.5900	45.85	-17.65	28.20	43.50	-15.30	QP			
4		234.6700	41.96	-15.26	26.70	46.00	-19.30	QP			
5		294.8100	28.81	-12.61	16.20	46.00	-29.80	QP			
6		446.1300	33.85	-10.75	23.10	46.00	-22.90	QP			

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

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Web: Http://www.ntc-c.com

#### **Radiated Emission Measurement** File :CJ-TX5VA1-V0 Data :#2 Date: 2018-9-11 Time: 21:38:42 80.0 dBuV/m 70 60 FCC Part 15C\_Class B\_3M Margin -6 dB 50 40 30 20 10 0.0 127.00 224.00 321.00 418.00 612.00 806.00 1000.00 MHz

Site: 3m Chamber

Limit: FCC Part 15C\_Class B\_3M EUT: Wireless charger base

M/N: CJ-TX5VA1-V0 Mode: Energy transmissions

Note:

Polarization: Horizontal
Power: AC120V/60Hz

Temperature: 26
Humidity: 47 %

Distance: 3m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	124.0900	51.31	-14.51	36.80	43.50	-6.70	QP			
2		173.5600	50.78	-14.58	36.20	43.50	-7.30	QP			
3		238.5500	39.80	-12.10	27.70	46.00	-18.30	QP			
4		333.6099	32.69	-9.49	23.20	46.00	-22.80	QP			
5		388.9000	29.26	-9.16	20.10	46.00	-25.90	QP			
6		423.8200	27.05	-8.55	18.50	46.00	-27.50	QP			

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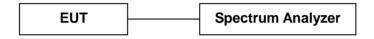
#### 5. 20dB Bandwidth

#### **5.1 Measurement Procedure**

Maximum 20dB RF Bandwidth, FCC Rule 15.35:

The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer RBW was chosen so that the display was a result of the hopping channel modulation. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. Use the spectrum 20dB down delta function to measure the bandwidth.

## 5.2 Test SET-UP (Block Diagram of Configuration)



#### 5.3 Measurement Results

Refer to attached data chart.

RBW: 300Hz VBW: 1KHz
Test By: Sance Spectrum Detector: PK

Temperature : 24  $^{\circ}$  Test Date : September 12, 2018

Test Result: PASS Humidity: 50 %

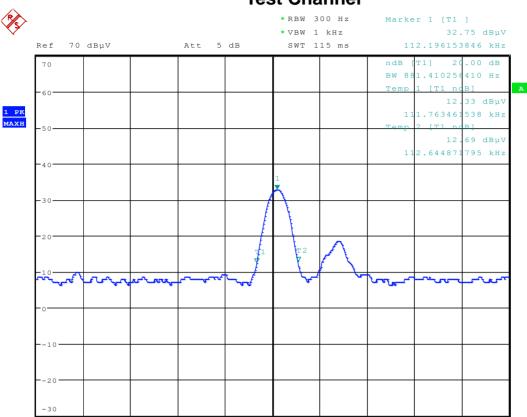
Channel frequency (KHz)	20dB Down BW(Hz)
112.20	881.41

FCC ID: 2AQ7Z-CJ001



Span 10 kHz

# **Test Channel**



1 kHz/

Date: 12.SEP.2018 21:38:49

Center 112.1 kHz

Report No.: NTC1809081FV00

FCC ID: 2AQ7Z-CJ001



# 6. Antenna Application

## 6.1 Antenna requirement

According to of FCC part 15C section 15.203 and 15.240:

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.

#### 6.2 Measurement Results

The antenna is coil antenna that no antenna other than furnished by the responsible party shall be used with the device, and the best case gain of the antenna is 0dBi, So, the antenna is consider meet the requirement.

Dongguan Nore Testing Center Co., Ltd. Report No.: NTC1809081FV00 FCC ID: 2AQ7Z-CJ001



# 7. Test Equipment List

Description	Manufacturer	Model Number	Serial Number	Characteristics	Calibration Date	Calibration Due Date
Test Receiver	Rohde & Schwarz	ESCI7	100837	9KHz~7GHz	Mar. 14, 2018	Mar. 13, 2019
Antenna	Schwarzbeck	VULB9162	9162-010	30MHz~7GHz	Mar. 15, 2018	Mar. 14, 2019
Cable	Huber+Suhner	CBL2-NN-1M	22390001	9KHz~7GHz	Mar. 14, 2018	Mar. 13, 2019
Cable	Huber+Suhner	CIL02	N/A	9KHz~7GHz	Mar. 14, 2018	Mar. 13, 2019
RF Cable	Huber+Suhner	SF-104	MY16559/4	9KHz~25GHz	Apr. 25, 2018	Apr. 25, 2019
Power Amplifier	HP	HP 8447D	1145A00203	100KHz~1.3GHz	Mar. 14, 2018	Mar. 13, 2019
Horn Antenna	Schwarzbeck	BBHA9170	9170-242	15GHz~40GHz	Mar. 14, 2018	Mar. 13, 2019
Horn Antenna	Com-Power	AH-118	071078	1GHz~18GHz	Mar. 15, 2018	Mar. 14, 2019
RF Cable	Huber+Suhner	SF-104	N/A	9KHz~40GHz	Apr. 25, 2018	Apr. 24, 2019
Loop antenna	Daze	ZA30900A	0708	9KHz~30MHz	Apr. 25, 2018	Apr. 24, 2019
Spectrum Analyzer	Rohde & Schwarz	FSU26	200409/026	20Hz~26.5GHz	Apr. 25, 2018	Apr. 24, 2019
Spectrum Analyzer	Rohde & Schwarz	FSV40	101003	10Hz~40GHz	Apr. 06, 2018	April. 05, 2019
Pre-Amplifier	EMCI	EMC 184045	980102	18GHz~40GHz	Nov. 03, 2017	Nov. 02, 2018
Pre-Amplifier	Agilent	8449B	3008A02964	1GHz~26.5GHz	Apr. 25, 2018	Apr. 24, 2019
L.I.S.N.	Rohde & Schwarz	ENV 216	101317	9KHz~30MHz	Mar. 14, 2018	Mar. 13, 2019
Temporary antenna connector	TESCOM	SS402	N/A	9KHz-25GHz	N/A	N/A
Power Meter	Anritsu	ML2495A	1139001	100k-65GHz	Nov. 03, 2017	Nov. 02, 2018
Power Sensor	Anritsu	MA2411B	100345	300M-40GHz	Nov. 03, 2017	Nov. 02, 2018