

Ningbo WeiJia Electronics Technology Co., Ltd.

MPE ASSESSMENT REPORT

Report Type:

FCC MPE assessment report

Model:

JF2117

REPORT NUMBER:

230400031HAN-002

ISSUE DATE:

May 25, 2023

DOCUMENT CONTROL NUMBER:

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Applicant : Ningbo WeiJia Electronics Technology Co., Ltd.
Simen Town, Yuyao City, Zhejiang 315470, P. R. China

Manufacturer : Ningbo WeiJia Electronics Technology Co., Ltd.
Simen Town, Yuyao City, Zhejiang 315470, P. R. China

Factory : Ningbo WeiJia Electronics Technology Co., Ltd.
Simen Town, Yuyao City, Zhejiang 315470, P. R. China

FCC ID : 2BAZE-JF2117

SUMMARY:

The equipment complies with the requirements according to the following standard(s) or Specification:

FCC PART 1 SECTION 1.1310

PREPARED BY:**REVIEWED BY:**

Project Engineer
Offa Zhou

Reviewer
Wakeyou Wang

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Revision History

Report No.	Version	Description	Issued Date
230400031HAN-002	Rev. 01	Initial issue of report	May 25, 2023

Measurement result summary

TEST ITEM	FCC REFERENCE	TEST RESULT	NOTE
RF Exposure	1.1310	Pass	-

Notes: 1: NA =Not Applicable

2. Determination of the test conclusion is based on IEC Guide 115 in consideration of measurement uncertainty.

3: Additions, Deviations and Exclusions from Standards: None.

1 GENERAL INFORMATION

1.1 Description of Equipment Under Test (EUT)

Product name:	Wireless Charger
Type/Model:	JF2117
Description of EUT:	The EUT covered in the report is wireless charger and has only one model.
Rating:	Input: 5-12VDC, 20W Output: Max. 10W+5W
Category of EUT:	Class B
EUT type:	☒ Table top ☐ Floor standing
Software Version:	/
Hardware Version:	/
Sample received date:	April 3, 2023
Sample identification No.:	1230329-16-005
Date of test:	April 10, 2023 ~ April 20, 2023

1.2 Technical Specification

Frequency Range:	110kHz – 205kHz
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TEST REPORT

1.3 Description of Test Facility

Name:	Intertek Testing Services Shanghai
Address:	Building 86, No. 1198 Qinzhou Road(North), Shanghai 200233, P.R. China
Telephone:	86 21 61278200
Telefax:	86 21 54262353

The test facility is recognized, certified, or accredited by these organizations:	CNAS Accreditation Lab Registration No. CNAS L0139
	FCC Accredited Lab Designation Number: CN0175
	IC Registration Lab CAB identifier.: CN0014
	VCCI Registration Lab Registration No.: R-4243, G-845, C-4723, T-2252
	A2LA Accreditation Lab Certificate Number: 3309.02

2 TEST SPECIFICATIONS

2.1 Standards or specification

FCC PART 1 SECTION 1.1310

KDB 680106 D01 RF Exposure Wireless Charging App v03

2.2 Mode of operation during the test

Within this test report, EUT was tested under all modes and tested under its rating voltage and frequency. Other voltage and frequency are specified if used. The worst data was listed in the report.

2.3 Test peripherals list

Item No.	Name	Band and Model	Description
1	Wireless load	/	100% power level
2	Wireless load	/	50% power level
3	Wireless load	/	0% power level

2.4 Record of climatic conditions

Test Item	Temperature (°C)	Relative Humidity (%)	Pressure (kPa)
RF Exposure	25°C	50% RH	101

2.5 Instrument list

Used	Equipment	Manufacturer	Type	Internal no.	Due date
☒	Probe (100k-3G)	Narda	EF0391	EC 6113-1	2024-04-11
☒	Broadband Field Meter	Narda	NBM-550	EC 6113	2023-11-17

TEST REPORT

3 RF Exposure Assessment

Test result: Pass

3.1 Assessment Limit

Reference: 47 CFR §1.1310, KDB 680106

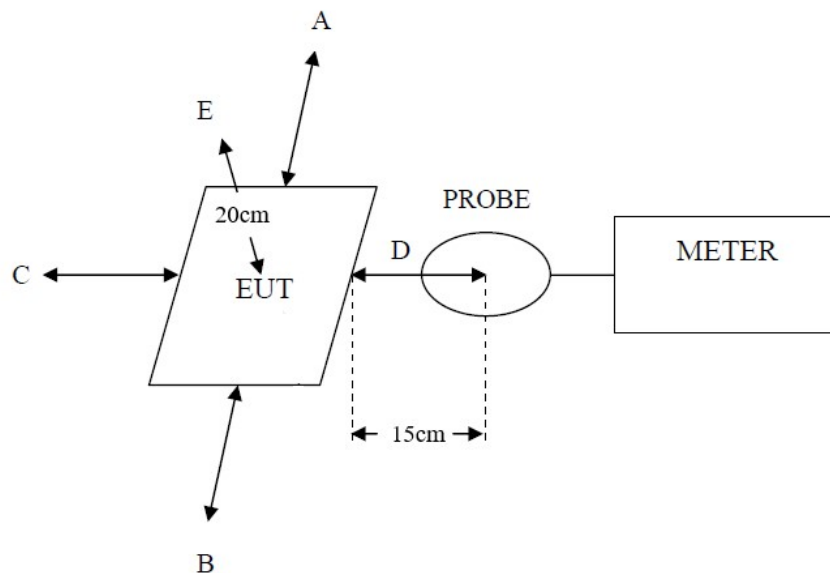
Limits for General Population/Uncontrolled Exposure

Frequency range [MHz]	Electric field strength [V/m]	Magnetic field strength [A/m]	Power density [mW/cm ²]	Averaging time [minutes]
0.1 – 0.3	614	1.63	*100	30
0.3 – 1.34	614	1.63	*100	30
1.34 – 30	824/f	2.19/f	*180/f ²	30
30 – 300	27.5	0.073	0.2	30
300 – 1 500	-	-	f/1500	30
1 500 – 100 000	-	-	1.0	30

Limits for Occupational/Controlled Exposure

Frequency range [MHz]	Electric field strength [V/m]	Magnetic field strength [A/m]	Power density [mW/cm ²]	Averaging time [minutes]
0.1 – 0.3	614	1.63	*100	6
0.3 – 3.0	614	1.63	*100	6
3.0 – 30	1842/f	4.89/f	*900/f ²	6
30 – 300	61.4	0.163	1.0	6
300 – 1 500	-	-	f/300	6
1 500 – 100 000	-	-	5	6

3.2 Assessment Configuration



3.3 Assessment Results

Test result of Magnetic Field Strength:

Test Position	Test distance (cm)	Test result (A/m)	Limit (A/m)	Result (Pass/Fail)
A: Right	15	0.0064	1.63 *0.5	Pass
B: Left	15	0.0043	1.63 *0.5	Pass
C: Front	15	0.0127	1.63 *0.5	Pass
D: Back	15	0.0058	1.63 *0.5	Pass
E: Top	20	0.0085	1.63 *0.5	Pass

Test result of Electric Field Strength:

Test Position	Test distance (cm)	Test result (V/m)	Limit (V/m)	Result (Pass/Fail)
A: Right	15	1.82	614 *0.5	Pass
B: Left	15	1.60	614 *0.5	Pass
C: Front	15	4.49	614 *0.5	Pass
D: Back	15	1.67	614 *0.5	Pass
E: Top	20	3.08	614 *0.5	Pass

***** END *****