

TEST REPORT

Reference No..... : WTX21X07076607W-2
FCC ID : 2AJXA-3N12021
Applicant : AX Technologies LLC
Address..... : 1441 Broadway 27th Floor, NEW YORK, NY 10018
Product Name : Wireless Charger Station
Test Model. : 900374B-42-G02
Standards : KDB 680106 D01 V03
Date of Receipt sample : Jul. 29, 2021
Date of Test..... : Jul. 29, 2021 to Aug. 23, 2021
Date of Issue : Aug. 23, 2021
Test Result..... : **Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

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Report version

Version No.	Date of issue	Description
Rev.00	Aug. 23, 2021	Original
/	/	/

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant: AX Technologies LLC
 Address of applicant: 1441 Broadway 27th Floor, NEW YORK, NY 10018

Manufacturer: China Etech Groups Ltd .
 Address of manufacturer: 16/F, Block C, 2nd Phase of Central Avenue,
 Haihong Industrial Area, Xixiang Road, Baoan
 District, Shenzhen,China

General Description of EUT	
Product Name:	Wireless Charger Station
Trade Name:	/
Model No.:	900374B-42-G02
Adding Model(s):	900375R-42-C12, 900375R-42-C10, 900375R-42-C02, 900374B-51-G02, 900375R-51-C12, 900375R-51-C10, 900375R-51-C02
<p><i>Note: The test data is gathered from a production sample, provided by the manufacturer. The appearance of others models listed in the report is different from main-test model 900374B-42-G02, but the circuit and the electronic construction do not change, declared by the manufacturer.</i></p>	

Technical Characteristics of EUT	
Frequency Range:	112~205kHz
Power adapter	FSK
Antenna Type:	Coil Antenna
Antenna Gain	0dBi
Rated Voltage:	Input : 5V/3A, 9V2A Wireless 1 Output : 5W, 10W Wireless 2 Output : 5W Max USB-A Output : 5V/1A
Rated Current:	Input : 1.5A/ 1.65A Output : 1.0A/1.1A
Rated Power:	Wireless 1 Output : 5W, 10W Wireless 2 Output : 5W Max

Auxiliary Equipment List and Details

Description	Manufacturer	Model	Serial Number
wireless charging tester	YBZ	YBZ wireless charging tester	/

1.2 Test Equipment List and Details

Description	Manufacturer	Model	Serial No.	Cal Date	Due Date
ELECTRIC AND MAGNETIC FIELD ANALYZER	Narda	EHP-200AC	180ZX10226	2021-05-20	2024-05-19

2. RF Exposure Test Report

2.1 Standard Applicable

According to § 1.1310 system operating under the provisions of this section shall be operating in a manner that the public is not exposed to radio frequency energy level in excess limit for maximum permissible exposure.

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

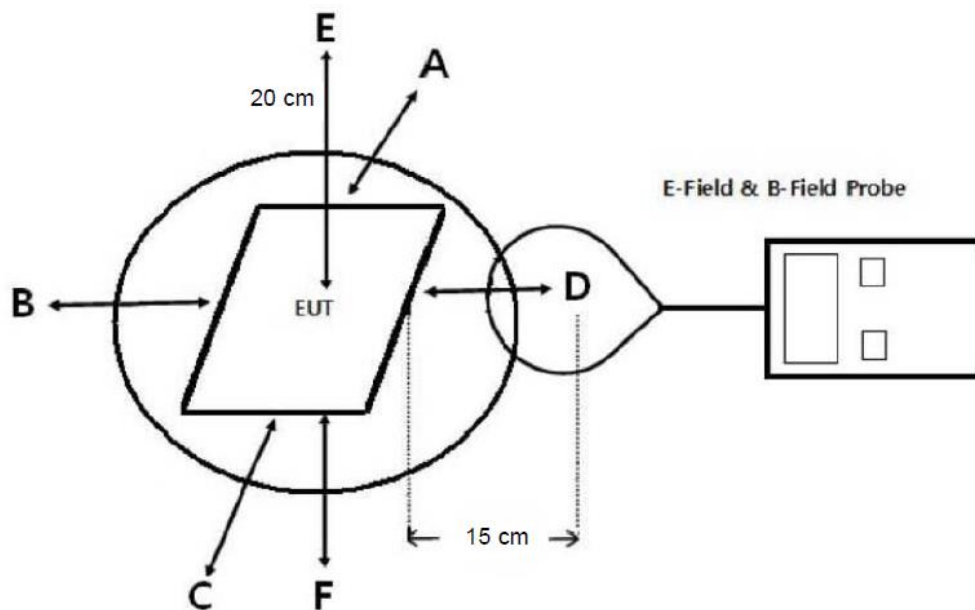
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	*900/f ²	6
30-300	61.4	0.163	1.0	6
300-1,500			f/300	6
1,500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
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

f = frequency in MHz * = Plane-wave equivalent power density

2.2 Test Conditions

Test Mode	Description	Remark
TM1	Wireless Charging	Input : 5V/3A, 9V2A Wireless 1 Output : 5W
TM2	Wireless Charging	Input : 5V/3A, 9V2A Wireless 1 Output : 10W
TM3	Wireless Charging	Input : 5V/3A, 9V2A Wireless 2 Output : 5W Max
Measurement Distance:		
		15 cm

2.3 Test Procedure



- The measurement probe was placed at test distance (15 cm for A, B, C, D, F and 20 cm for E) which is between the edge of the charger and the geometric center of probe.
- The highest emission level was recorded at the measurement points (A, B, C, D, E, F).
- The EUT was measured according to the distance of KDB 680106 D01 V03.

2.4 Test Result

The EUT dose comply with item 5.2 of KDB 680106 D01V03

- Power transfer frequency is less than 1 MHz
Yes, the device operate in the frequency range from 100kHz to 205kHz.
- Output power from each primary coil is less than or equal to 15 watts
Yes, the maximum output power of the primary coil is less than 15W.
- The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils
Yes, the client device includes double primary coils.
- Client device is inserted in or placed directly in contact with the transmitter
Yes, Client device is placed directly in contact with the transmitter.
- Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).

Yes, It is mobile exposure conditions only.

6. The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.

Yes, The EUT field strength levels are less than 50% of the MPE limit, refer to test TM1, TM2, TM3 list, and the coils can't transmitted simultaneous.

Test Mode: TM1

Electric Field Emissions			
Test Position	Measure Value (V/m)	Limit(V/m)	50% Limit (V/m)
Point E	5.5022	614	307
Point F	5.1340	614	307
Point A	4.8965	614	307
Point B	5.4501	614	307
Point C	5.2344	614	307
Point D	4.9541	614	307
Magnetic Field Emissions			
Test Position	Measure Value (A/m)	Limit(A/m)	50% Limit (A/m)
Point E	0.2530	1.63	0.815
Point F	0.1465	1.63	0.815
Point A	0.0068	1.63	0.815
Point B	0.0345	1.63	0.815
Point C	0.0789	1.63	0.815
Point D	0.0189	1.63	0.815

Test Mode: TM2

Electric Field Emissions			
Test Position	Measure Value (V/m)	Limit(V/m)	50% Limit (V/m)
Point E	7.1074	614	307
Point F	7.0415	614	307
Point A	7.0136	614	307
Point B	6.9874	614	307
Point C	6.8713	614	307
Point D	6.8601	614	307
Magnetic Field Emissions			
Test Position	Measure Value (A/m)	Limit(A/m)	50% Limit (A/m)
Point E	0.2382	1.63	0.815
Point F	0.1049	1.63	0.815
Point A	0.0897	1.63	0.815

Point B	0.0710	1.63	0.815
Point C	0.0089	1.63	0.815
Point D	0.0812	1.63	0.815

Test Mode: TM3

Electric Field Emissions			
Test Position	Measure Value (V/m)	Limit(V/m)	50% Limit (V/m)
Point E	0.4219	614	307
Point F	0.3459	614	307
Point A	0.1994	614	307
Point B	0.2467	614	307
Point C	0.2014	614	307
Point D	0.3049	614	307
Magnetic Field Emissions			
Test Position	Measure Value (A/m)	Limit(A/m)	50% Limit (A/m)
Point E	0.1930	1.63	0.815
Point F	0.1874	1.63	0.815
Point A	0.1238	1.63	0.815
Point B	0.1406	1.63	0.815
Point C	0.1378	1.63	0.815
Point D	0.1645	1.63	0.815

2.5 Test Photos

Please refer to “ANNEX”

APPENDIX PHOTOGRAPHS

Please refer to “ANNEX”

******* END OF REPORT *******