RF Exposure Evaluation

FCC ID:2BVC9-LHC311

Applicant Name	:	ALAM ALTAWASOL ELECTRONICS LLC
Address	:	OFFICE 110 AL MULLA BUILDING AL MUTHEENA
Manufacturer Name	:	ALAM ALTAWASOL ELECTRONICS LLC
Address	:	OFFICE 110 AL MULLA BUILDING AL MUTHEENA
Product	:	Wireless Charger & Dock
Model(s)	:	LHC311
Additional Model(s)	:	/
Trademark	:	Levore
Model Difference	:	/
Prepared by	:	Guangdong Zhonghan Testing Technology Co., Ltd.
Address	:	Room 104/201, Building 1, Yibaolai Industrial Park, Qiaotou, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Date of Receipt	:	Mar. 27, 2026
Date of Test(s)	:	Mar. 27, 2026 to Apr. 10, 2026
Date of Issue	:	Apr. 10, 2026
Test Requested	:	Select test(s) as requested by the client.
Test Standard(s)	:	KDB 680106 D01 Wireless Power Transfer v04

In the configuration tested, the EUT complied with the standards specified above.

Prepared by:	Reviewed by:	Approved by:
Kimi Lu	Baret.Wu	
Kimi Lu/ Engineer	Baret Wu/ Director	Levi Lee/ Manager

Note: The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report shall not be reproduced except in full, without prior written approval of ZHT. This document may be altered or revised by ZHT, personnel only, and shall be noted in the revision of the document.

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1. GENERAL INFORMATION

1.1. GENERAL DESCRIPTION OF EUT

Product Name:	Wireless Charger & Dock
Test Model No.:	LHC311
Hardware version:	V1.0
Software version:	V1.0
Operation Frequency:	Coil Antenna 1: 111-205kHz, 360KHz Coil Antenna 2: 111-205kHz
Modulation type:	MSK
Antenna Type:	Inductive loop coil Antenna
Antenna gain:	0dBi
Ratings:	USB-C input: 12V⎓ 3A, 20V⎓ 5A USB-A1/A2 output: 5V⎓ 0.9A USB-C1 output: 5V⎓ 0.9A, 20V⎓ 3A USB-C2 output: 5V⎓ 0.9A Wireless Charger of phone output: 5W/7.5W//15W Wireless Charger of airpods output: 5W Wireless Charger of airpods+USB-C1 output: 65WMax Wireless Charger of airpods+USB-A1+USB-A2+USB-C2 output: 18.5W USB-A1+USB-A2+USB-C2 output: 13.5W
Sample Number:	260327114YP001
Remark:The antenna gain is provided by the customer, if the data provided by the customer is not accurate, Guangdong Zhonghan Testing Technology Co., Ltd. does not assume any responsibility.	

1.2. TEST MODES

Test Modes:	
Mode 1	AC Mains + WPT + Phone (15W Battery Status:≤1%)+ Earphone (5W Battery Status:≤1%)
Mode 2	AC Mains + WPT + Phone (15W Battery Status:≤50%)+ Earphone (5W Battery Status:≤50%)
Mode 3	AC Mains + WPT + Phone (15W Battery Status:≤99%)+ Earphone (5W Battery Status:≤99%)
Mode 4	AC Mains + WPT + Phone (7.5W Battery Status:≤1%)+ Earphone (5W Battery Status:≤1%)
Mode 5	AC Mains + WPT + Phone (7.5W Battery Status:≤50%)+ Earphone (5W Battery Status:≤50%)
Mode 6	AC Mains + WPT + Phone (7.5W Battery Status:≤99%)+ Earphone (5W Battery Status:≤99%)
Mode 7	AC Mains + WPT + Phone (5W Battery Status:≤1%)+ Earphone (5W Battery Status:≤1%)
Mode 8	AC Mains + WPT + Phone (5W Battery Status:≤50%)+ Earphone (5W Battery Status:≤50%)
Mode 9	AC Mains + WPT + Phone (5W Battery Status:≤99%)+ Earphone (5W Battery Status:≤99%)
Mode 10	AC Mains + WPT + Phone (15W Battery Status:≤1%)
Mode 11	AC Mains + WPT + Phone (15W Battery Status:≤50%)
Mode 12	AC Mains + WPT + Phone (15W Battery Status:≤99%)
Mode 13	AC Mains + WPT + Phone (7.5W Battery Status:≤1%)
Mode 14	AC Mains + WPT + Phone (7.5W Battery Status:≤50%)
Mode 15	AC Mains + WPT + Phone (7.5W Battery Status:≤99%)
Mode 16	AC Mains + WPT + Phone (5W Battery Status:≤1%)
Mode 17	AC Mains + WPT + Phone (5W Battery Status:≤50%)
Mode 18	AC Mains + WPT + Phone (5W Battery Status:≤99%)
Mode 19	AC Mains + WPT + Earphone (5W Battery Status:≤1%)
Mode 20	AC Mains + WPT + Earphone (5W Battery Status:≤50%)
Mode 21	AC Mains + WPT + Earphone (5W Battery Status:≤99%)
Mode 22	Standby
Note: All modes were tested, only the worst-case was recorded in the report. Mode 1 is the worst mode.	

1.3. AUXILIARY EQUIPMENT

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	AC Adapter	Lanto Electronic Ltd.	191106C	/	AE
E-2	Mobile phone	Apple Inc.	iPhone 15	/	AE
E-3	Earphone	Apple	A2031	/	AE

2. RF EXPOSURE TEST

2.1. MEASURING STANDARD

KDB 680106 D01 Wireless Power Transfer v04

2.2. REQUIREMENTS

According to the item 3 of KDB 680106 D01 v04:

Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation.

Requirements of item 3 of KDB 680106 D01	Yes/ No	Description
Mobile Device and Portable Device Configurations	Yes	Mobile Device
Equipment Authorization Procedures for Devices Operating at Frequencies Below 4 MHz	Yes	The device operate in the frequency range phone: 111-205kHz, 360 kHz, earphone:111-205kHz
RF Exposure compliance may be ensured only for a minimum conditions at smaller distances can still be considered unlikely.separation distance that is greater than 20 cm, while use	Yes	The EUT H-field and E-field strengths at 20 cm surrounding the device.
A client device providing the maximum permitted load is placed in physical contact with the transmitter (i.e., the surfaces of the transmitter and client device enclosures need to be in physical contact).	Yes	the surfaces of the transmitter and client device enclosures are in physical contact.

2.3. LIMITS

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

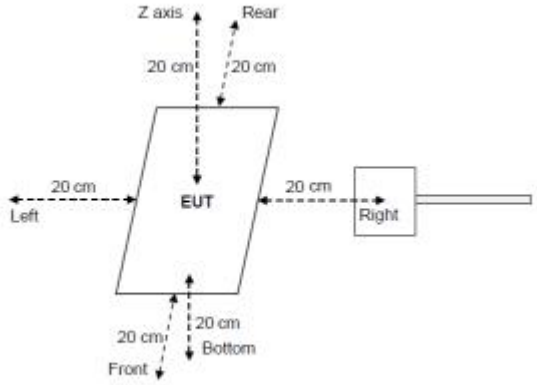
Limits for Maximum Permissible Exposure (MPE)

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 Exposures				
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
300-1500	/	/	f/300	6
1500-100,000	/	/	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
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

F=frequency in MHz
*=Plane-wave equivalent power density
RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

2.4. TEST SETUP

For mobile exposure conditions:



2.5. TEST PROCEDURE

1) The RF exposure test was performed in anechoic chamber.
2) The measurement probe was placed at test distance (20 cm from all sides and 20 cm from the top) which is between the edge of the charger and the geometric center of probe.
3) The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E) were completed.
4) The EUT was measured according to the dictates of KDB 680106 D01 v04.
Remark：The EUT's test position A, B, C, D and E is valid for the E and H field measurements.

2.6. MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y ± U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	H-field	0.7dB
2	E-field	1.06dB

Decision Rule

☒ Uncertainty is not included

☐ Uncertainty is included

2.7. TEST INSTRUMENTS LIST

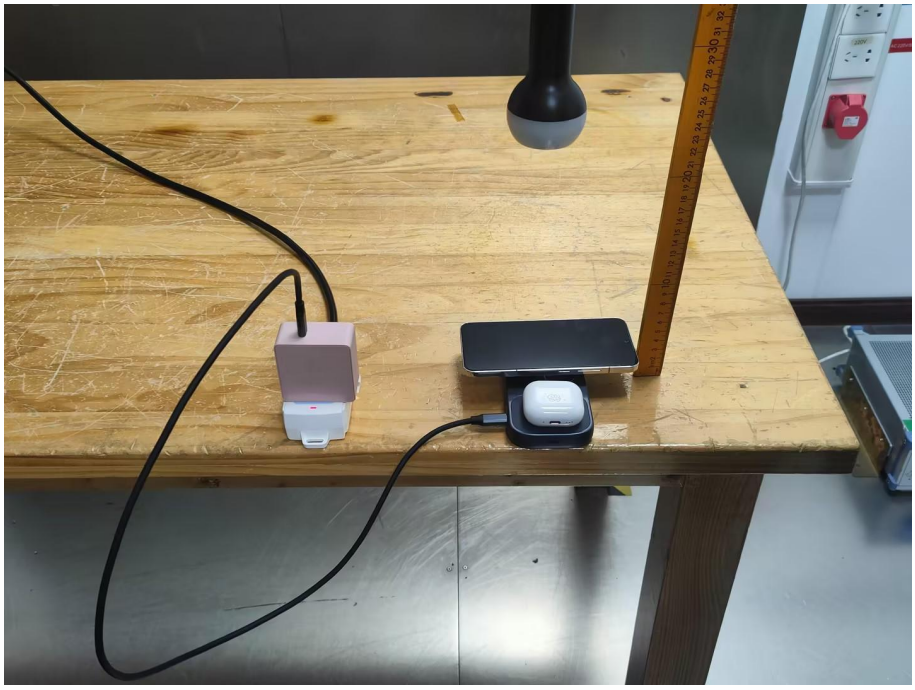
Test Equipment	Manufacturer	Model	Serial No.	Last Cal.	Next Cal.
Near-field Electric and Electric Field Sensor System	Schmid & Partner Engineering AG	MAGPy-8H3D+E3D V2	3127	September 09, 2025	September 08, 2026
Near-field Electric and Electric Field Sensor System	Schmid & Partner Engineering AG	MAGPy-DASV2	3121	September 09, 2025	September 08, 2026

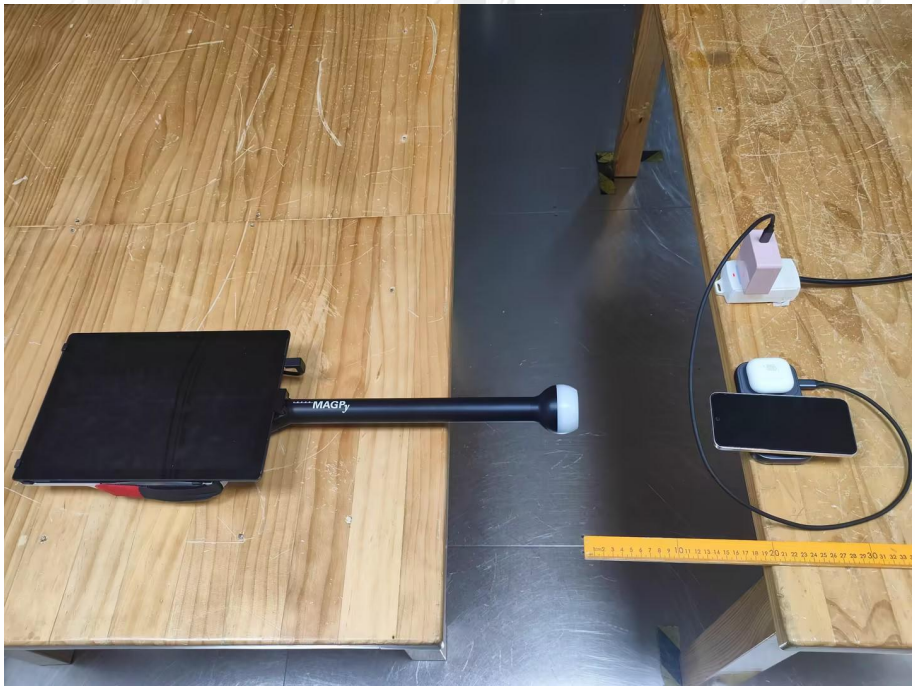
2.8. TEST RESULT

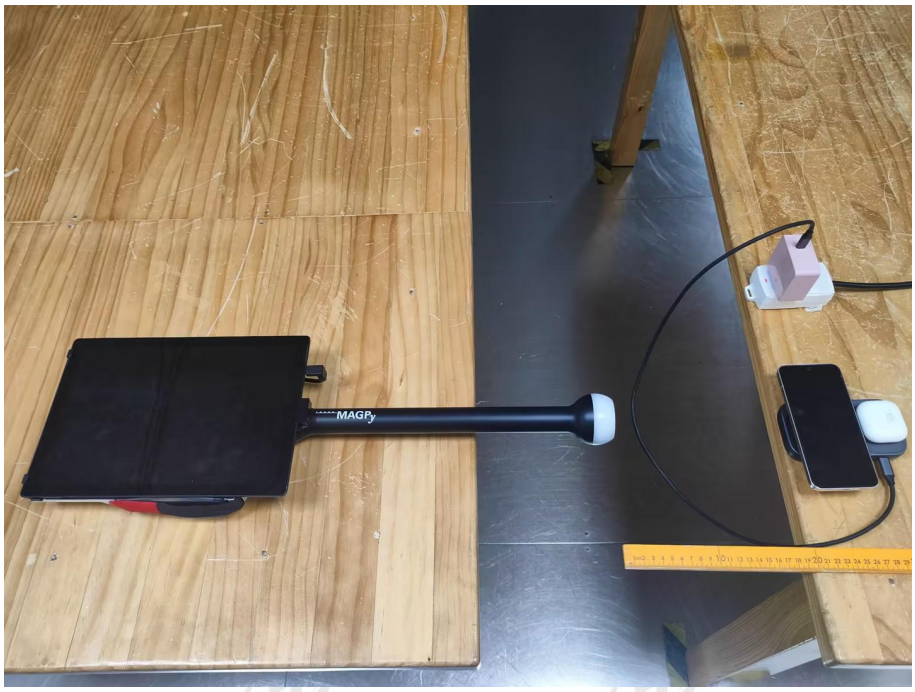
We have evaluated mode 1 to mode 22and the worst mode 1 is showed in this report.

Test Mode	Test Position A (A/m)	Test Position B (A/m)	Test Position C (A/m)	Test Position D (A/m)	Test Position E (A/m)	50% Limits (A/m)	Limits (A/m)	test result
Mode 1	0.05	0.09	0.02	0.05	0.05	0.815	1.63	PASS
Test Mode	Test Position A (V/m)	Test Position B (V/m)	Test Position C (V/m)	Test Position D (V/m)	Test Position E (V/m)	50% Limits (V/m)	Limits (V/m)	test result
Mode 1	0.98	2.74	1.20	1.88	1.74	307	614	PASS

2.9. TEST PHOTOS



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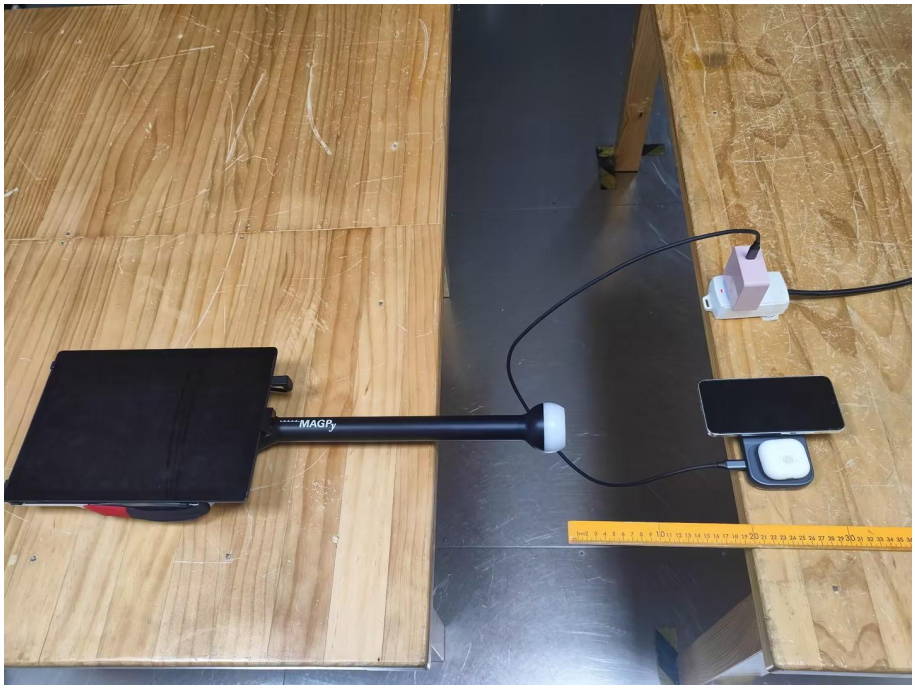
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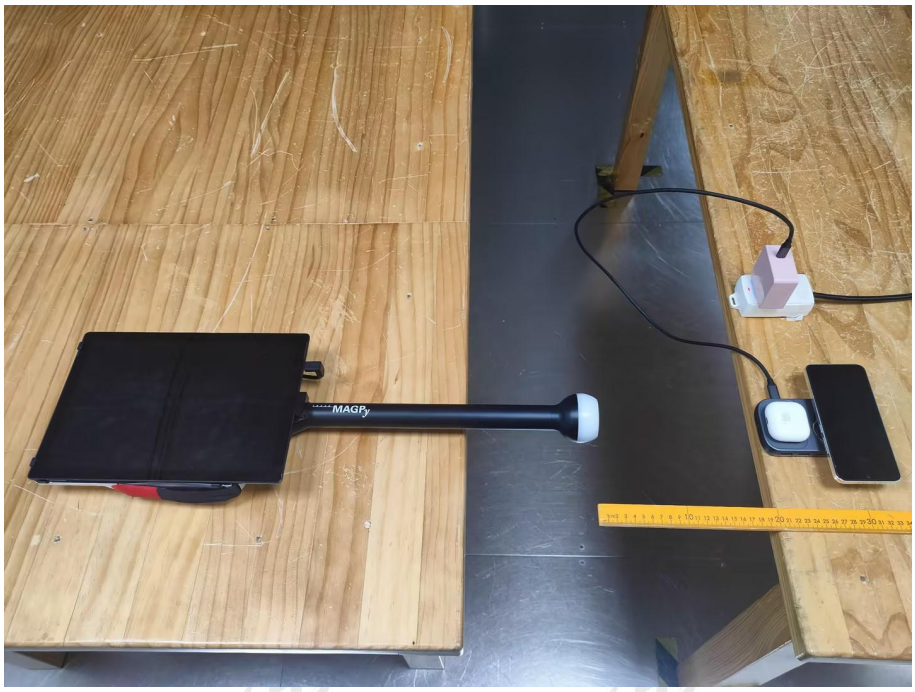

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