



RF EXPOSURE REPORT

FOR

Walnut Casing Wireless Fast Charging Pad

Model: AW1500, AW1500-BC (B=0-9, C=0-9)

Trade Mark: Aeromax MOLT

Issued to

Aeromax MOLT Corporation
16F-2, No.77, Sec.1, Sintai 5th RD., Sijhih Dist., New Taipei City,
Taiwan 22101

Issued by

WH Technology Corp.

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1. GENERAL INFORMATION

Applicant : Aeromax MOLT Corporation

Address : 16F-2, No.77, Sec.1, Sintai 5th RD., Sijhih Dist.,
New Taipei City, Taiwan 22101

Manufacturer : Aeromax MOLT Corporation

Address : 16F-2, No.77, Sec.1, Sintai 5th RD., Sijhih Dist.,
New Taipei City, Taiwan 22101

EUT : Walnut Casing Wireless Fast Charging Pad

Model Name : AW1500, AW1500-BC (B=0-9, C=0-9)


Model Differences : For marketing purpose.

Standard : FCC Part 1 (Section 1.1307(b), 1.1310)

Receipt Date: 06/24/2019

Final Test Date: 07/15/2019

Tested by:



Bing Chang/ Engineer

Reviewed by:



Bell Wei / Manager
Designation Number: TW2954



1.1 TEST MODE:

154kHz

1.2 DESCRIPTION OF THE TESTED SAMPLES

EUT Name : Walnut Casing Wireless Fast Charging Pad
Model Number :: AW1500
FCC ID Number Z6K-MOLTAW1500
Receipt Date : 06/24/2019
Input Voltage : DC 5V/2A; DC9V/1.67A
Operate Frequency : 110KHz-205KHz
Antenna Type : Coil Antenna



2. LIST OF TEST AND MEASUREMENT INSTRUMENTS

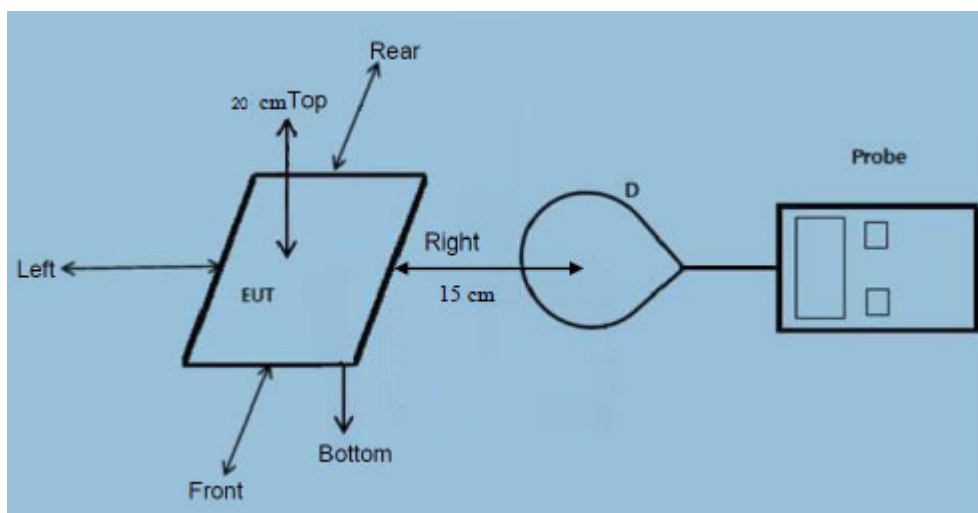
Equipment	Model	Manufacture	Last Cal.	Next Cal.
EMF Meter	ELT-400	NARDA	Oct. 22, 2018	Oct. 21, 2019
Probe E-Field	EF0691	Narda Safety Test Solutions	Jul. 13, 2019	Jul. 12, 2020

3. METHOD OF MEASUREMENT

3.1 APPLICABLE STANDARD

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission’s guidelines. According to §1.1310 and §2.1093 RF exposure is calculated. According KDB680106 D01 RF Exposure Wireless Charging Apps v03.

3.2 TEST SETUP



3.3 TEST PROCEDURE:

- a. For devices designed for typical desktop applications, such as wireless charging pads, RF exposure evaluation should be conducted assuming a user separation distance of 20 cm from the top, and 15 cm from other directions (Left, Right, Front, Rear, Bottom). E and H field strength measurements or numerical modeling may be used to demonstrate compliance. Measurements should be made from all sides and the top of the primary/client pair, with the 15 cm measured from the center of the probe(s) to the edge of the device.



3.4 EQUIPMENT APPROVAL CONSIDERATIONS:

The EUT does comply with item 5 of KDB 680106 D01v03

- (1) Power transfer frequency is less than 1 MHz.
(Conform)
- (2) Output power from each primary coil is less than or equal to 15 watts.
(Conform)
- (3) 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.
(Conform)
- (4) Client device is placed directly in contact with the transmitter.
(Conform)
- (5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).
(Intended for desk top use)
- (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.

4. TEST DATA

E-Filed Strength							
Charging	Probe from EUT Side	Test Distance (cm)	Calculated Value (A/m)	Calculated Value (V/m)	50% Limits Test(V/m)	Limits Test (V/m)	Result
< 1% Battery	Front	15	0.112	0.463	307	614	PASS
< 1% Battery	Rear	15	0.117	0.415			PASS
< 1% Battery	Left	15	0.121	0.422			PASS
< 1% Battery	Right	15	0.130	0.413			PASS
< 1% Battery	Bottom	15	0.131	0.245			PASS
< 1% Battery	Top	20	0.107	0.431			PASS
H-Filed Strength							
Charging	Probe from EUT Side	Test Distance (cm)	Measured Value(uT)	Calculated Value (A/m)	50% Limits Test(A/m)	Limits Test (A/m)	Result
< 1% Battery	Front	15	0.141	0.118	0.815	1.63	PASS
< 1% Battery	Rear	15	0.142	0.113			PASS
< 1% Battery	Left	15	0.151	0.126			PASS
< 1% Battery	Right	15	0.140	0.114			PASS
< 1% Battery	Bottom	15	0.161	0.131			PASS
< 1% Battery	Top	20	0.157	0.132			PASS

Note: The aggregate H-filed strengths at 15cm surrounding the device and 20cm above the top surface.
 $A/m = uT / 1.25$



E-Filed Strength							
Charging	Probe from EUT Side	Test Distance (cm)	Calculated Value (A/m)	Calculated Value (V/m)	50% Limits Test(V/m)	Limits Test (V/m)	Result
50% Battery	Front	15	0.112	0.440	307	614	PASS
50% Battery	Rear	15	0.123	0.415			PASS
50% Battery	Left	15	0.118	0.423			PASS
50% Battery	Right	15	0.124	0.401			PASS
50% Battery	Bottom	15	0.119	0.402			PASS
50% Battery	Top	20	0.124	0.422			PASS
H-Filed Strength							
Charging	Probe from EUT Side	Test Distance (cm)	Measured Value(uT)	Calculated Value (A/m)	50% Limits Test(A/m)	Limits Test (A/m)	Result
50% Battery	Front	15	0.141	0.111	0.815	1.63	PASS
50% Battery	Rear	15	0.146	0.123			PASS
50% Battery	Left	15	0.148	0.122			PASS
50% Battery	Right	15	0.140	0.112			PASS
50% Battery	Bottom	15	0.144	0.115			PASS
50% Battery	Top	20	0.153	0.135			PASS

Note: The aggregate H-filed strengths at 15cm surrounding the device and 20cm above the top surface. $A/m = uT/1.25$

E-Filed Strength							
Charging	Probe from EUT Side	Test Distance (cm)	Calculated Value (A/m)	Calculated Value (V/m)	50% Limits Test(V/m)	Limits Test (V/m)	Result
>99% Battery	Front	15	0.127	0.447	307	614	PASS
>99% Battery	Rear	15	0.119	0.441			PASS
>99% Battery	Left	15	0.123	0.422			PASS
>99% Battery	Right	15	0.117	0.463			PASS
>99% Battery	Bottom	15	0.117	0.433			PASS
>99% Battery	Top	20	0.110	0.452			PASS
H-Filed Strength							
Charging	Probe from EUT Side	Test Distance (cm)	Measured Value(uT)	Calculated Value (A/m)	50% Limits Test(A/m)	Limits Test (A/m)	Result
>99% Battery	Front	15	0.148	0.118	0.815	1.63	PASS
>99% Battery	Rear	15	0.131	0.107			PASS
>99% Battery	Left	15	0.143	0.122			PASS
>99% Battery	Right	15	0.135	0.108			PASS
>99% Battery	Bottom	15	0.132	0.123			PASS
>99% Battery	Top	20	0.133	0.106			PASS

Note: The aggregate H-filed strengths at 15cm surrounding the device and 20cm above the top surface. $A/m = uT/1.25$