









FCC ID: 2BDHW-CRWXCZJ

Product Name:	Liftable wireless charging laptop stand
Product Model No.:	E7BW, M7
Model Difference:	All models use the same circuit and RF module, but the model name and appearance are different, and all test are based on the E7BW
Test Auxiliary:	Load and Power adapter
Transmitting mode:	Keep the EUT in continuously wireless charging mode
Ratings	Input:5V-9V
	Wireless charging output: 5 W or 7.5 W or 10 W or 15 W Max

RF Exposure Evaluation

Test Modes:					
Mode 1	Wireless charging mode(15W)				
Mode 2	Wireless charging mode(10W)	110			
Mode 3	Wireless charging mode(7.5W)				
Mode 4 Wireless charging mode(5W)					
Note: All	modes were tested, only the worst-case was recorded in the report. Mod	e 1 is the worst mode.			

1 Measuring Standard

KDB 680106 D01 Wireless Power Transfer v04

2 Requirements

According to the item 5 of KDB 680106 v04:

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

- (1) Power transfer frequency is less than 1MHz.
- (2) Output power from each primary coil is less than or equal to 15 watts.
- (3) The system may consist of more than one source primary coils, charging one or more clients. If more than one primary coil is present, the coil pairs may be powered on at the same time.
- (4) Client device is placed directly in contact with the transmitter.
- (5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).
- (6) The aggregate H-field strengths anywhere at or beyond 15 cm surrounding the device, and 20 cm away

from the surface from all coils that by design can simultaneously transmit, and while those coils are simultaneously energized, are demonstrated to be less than 50% of the applicable MPE limit. Remark: Meet all the above requirements.











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/cm²)	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	1	1	5	6					
	(B) Limits for Genera	l Population/Uncontrolle	ed 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	/	1	f/1500	30					
1500-100,000	/	1	1.0	30					

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).









































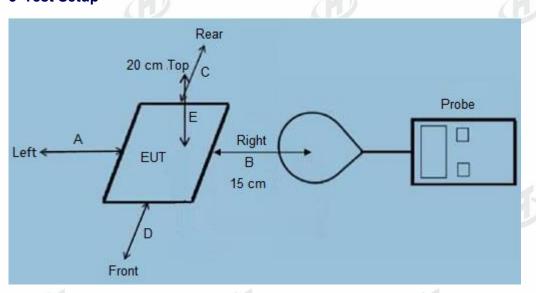




F=frequency in MHz *=Plane-wave equivalent power density







4 Test Procedure

- 1) The RF exposure test was performed in anechoic chamber.
- 2) The measurement probe was placed at test distance (15 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 v04.

Remark: The EUT's test position A, B, C, D and E is valid for the E and H field measurements.























Test Equipment	Manufacturer	Model No.	SN.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
Exposure Level Tester	Narda	ELT-400	N-0231	May 12, 2023	May 11, 2024
Magnetic field probe 100cm ²	Narda	ELT probe 100cm ²	M0675	May 12, 2023	May 11, 2024
Isotropic Electric field probe	Narda	EP-601	611WX70332	May 12, 2023	May 11, 2024

6 Test Result

E-Filed Strength at 15 cm from the edges surrounding the EUT (V/m)

Frequency Range (MHz)	Test	Test	Test	Test	50%Limits	Limits	test result
	Position A	Position B	Position C	Position D	(V/m)	(V/m)	lest result
0.110-0.205	0.59	0.68	0.25	0.356	307	614	PASS

E-Filed Strength at 20 cm from the top of the EUT (V/m)

Frequency Range	Test	50%Limits	Limits	toet result	
(MHz)	Position E	(V/m)	(V/m)	test result	
0.110-0.205	0.73	307	614	PASS	

H-Filed Strength at 15 cm from the edges surrounding the EUT (A/m)

	Frequency Range (MHz)	Test	Test	Test	Test	50%Limits	Limits	test
		Position A	Position B	Position C	Position D	(V/m)	(A/m)	result
	0.110-0.205	0.21	0.21	0.18	0.23	0.815	1.63	PASS

H-Filed Strength at 20 cm from the top of the EUT (A/m)

Frequency Range (MHz)	Test Position E	50%Limits (V/m)	Limits (A/m)	test result
0.110-0.205	0.19	0.815	1.63	PASS























7 Test Photo

