RF Exposure Evaluation Report

1. Product Information

FCC ID:	2AOM3R11
Product Name	Wireless charging
Model Number	R11
Serial Model	N/A
Power Supply	Input: 5V Output : 5V⎓15mA Wireless Charging: 5W(Max)
Modulation Type	CW (Continuous Wave)
WPT Operation Frequency	251.8kHz
Antenna Type	Internal Antenna
Exposure category	General population/uncontrolled environment

2. Evaluation Limit

2.1 Refer Evaluation Method

According to the KDB680106 D01 Wireless Power Transfer v04:

Does the device for the device authorization program operate at less than 4MHz?	Yes, the EUT operates at 251.8kHz
Mobile Device or Portable ?	Yes, The device satisfies the description in § 2.1091 and is Mobile Device
Do you meet KDB680106 D01 Wireless Power Transfer v04 Section 3.3 test requirements	Yes, please refer to Section 7 of this report for detailed data

2.2 Limit

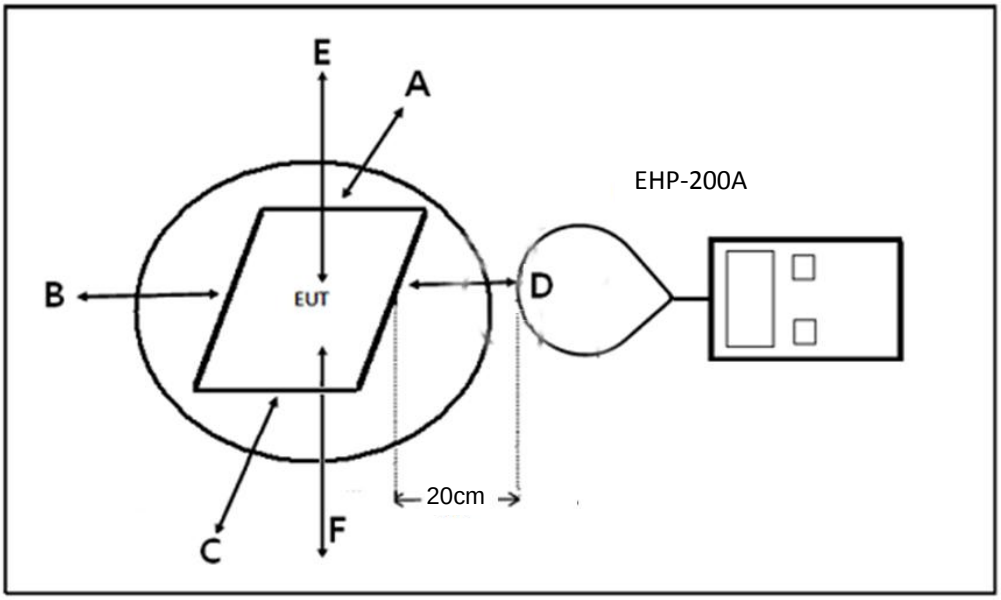
The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

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).

3. Test Structure Diagram



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4. Test Equipment

Equipment	Manufacturer	Model	Serial no.	Calibrated date	Calibrated Due
electric and magnetic field analyzer	Narda	EHP-200A	180ZX40222	2024.09.05	2025.09.04

5. Test Procedure

a.The RF exposure test was performed in an echoic chamber;

b. The measurement probe was placed at test distance (20 cm) which is between the edge of the charger and the geometric center of probe.

c.The highest emission level laws recorded and compared with limit as soon as measurement of each points (A, B, C, D, E, F)were completed;

d. The EUT was measured according the dictates of KDB 680106 D01 v04.

6. RF Exposure Evaluation Results

Note: EUT mode: wireless output 5 W

1%, 50%, 100% load all have been tested, only worse case Max load (<100%) is reported.

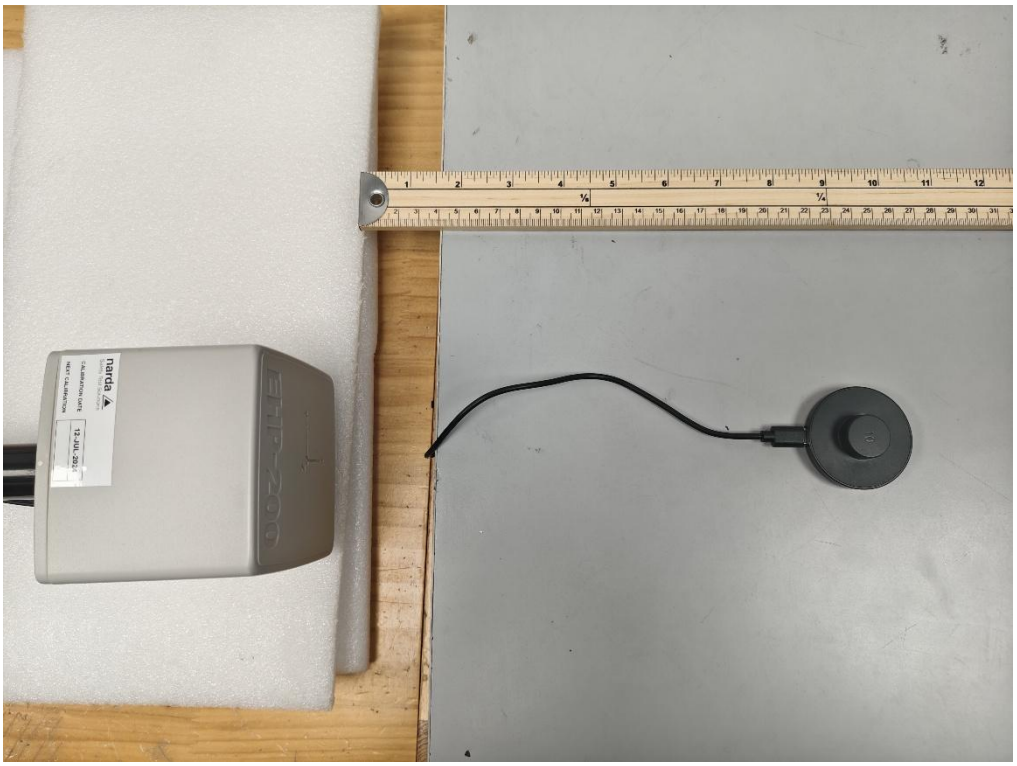
H-Filed Strength at (distance of 20cm)surrounding the EUT (A/m)

Test Result

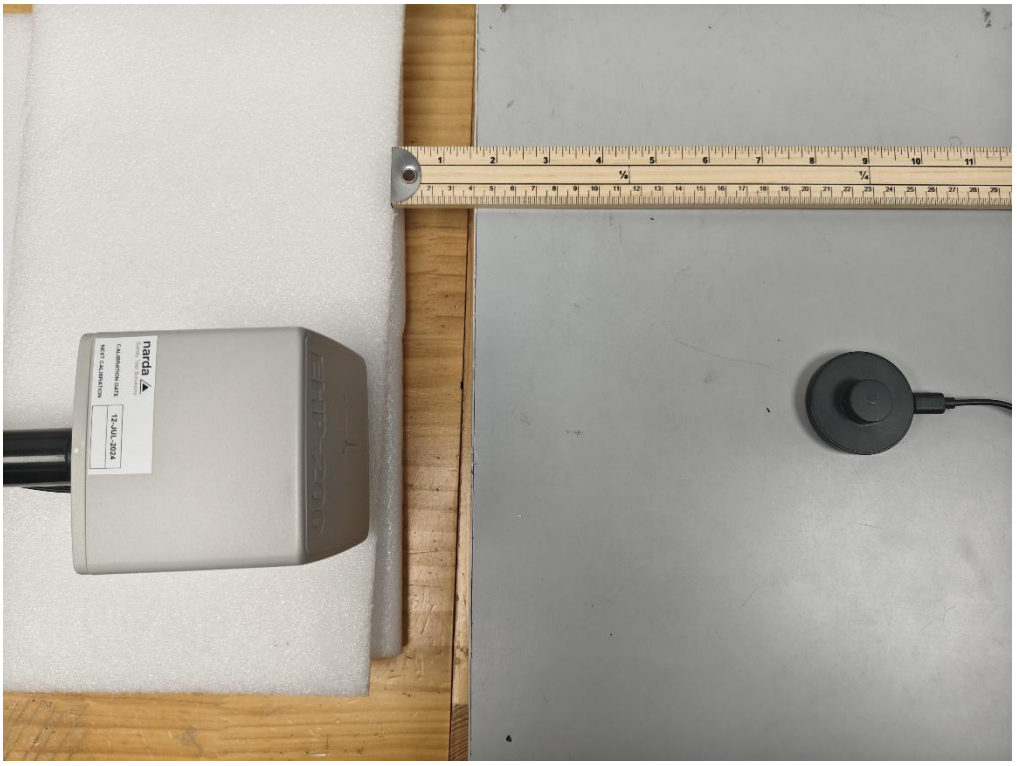
Test distance (cm)	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limit
20	0.000835	0.092712	0.092712	0.092712	0.093965	0.000782	1.63

7. Test Setup Photos

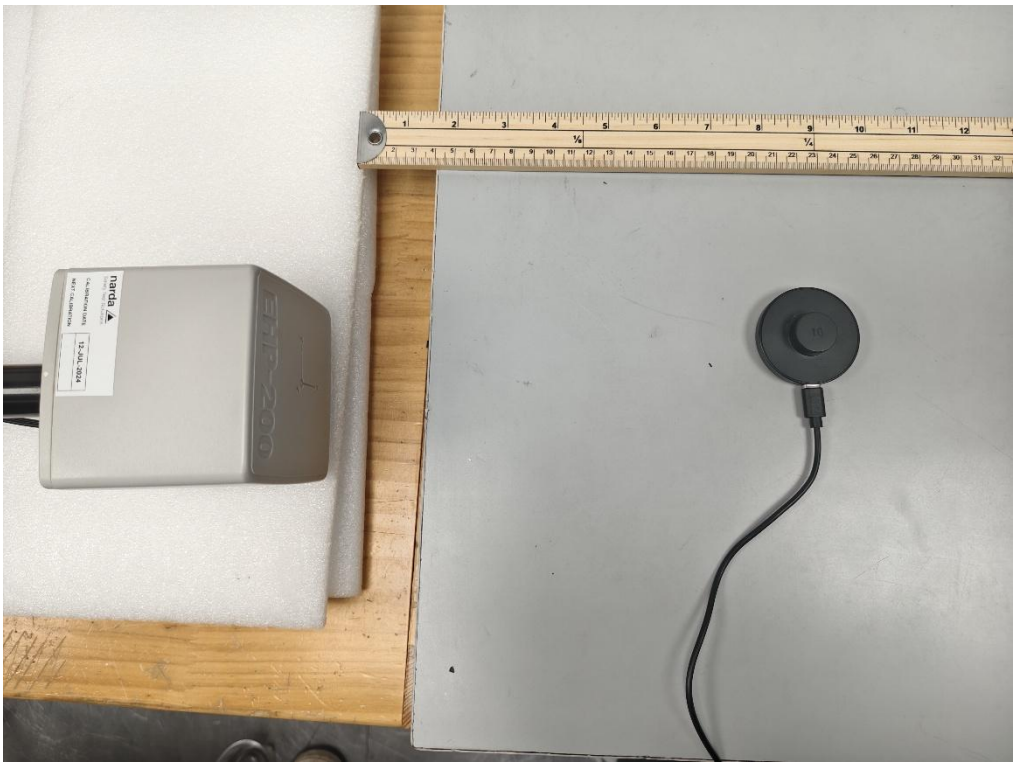
20cm_A



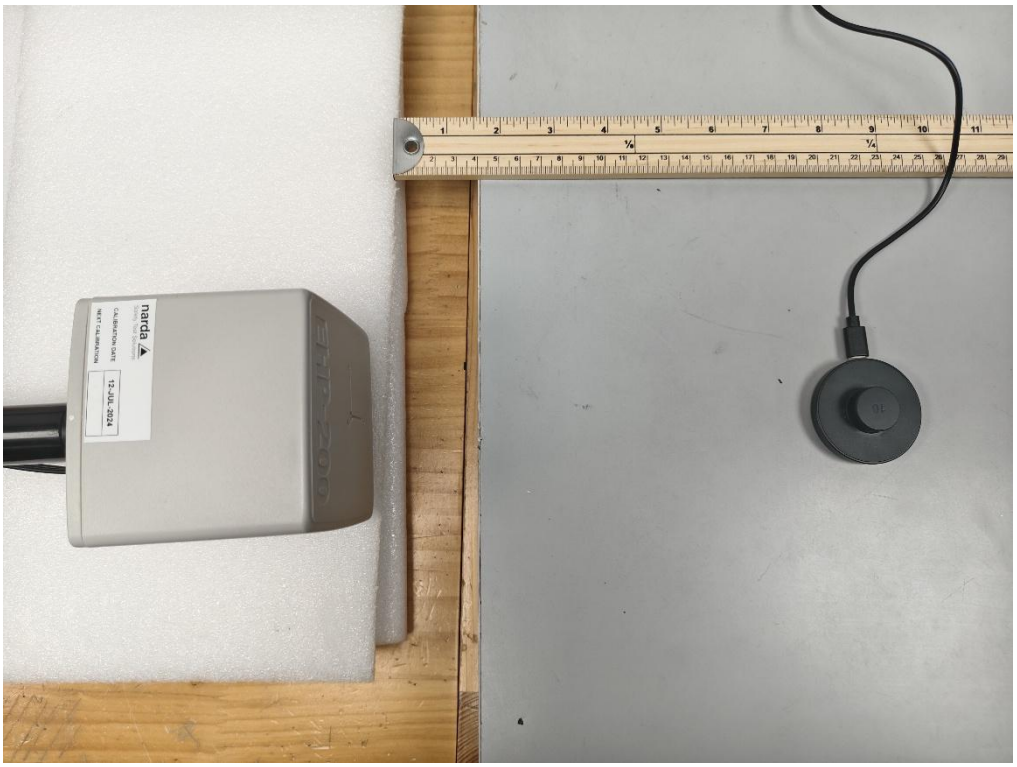
20cm_B



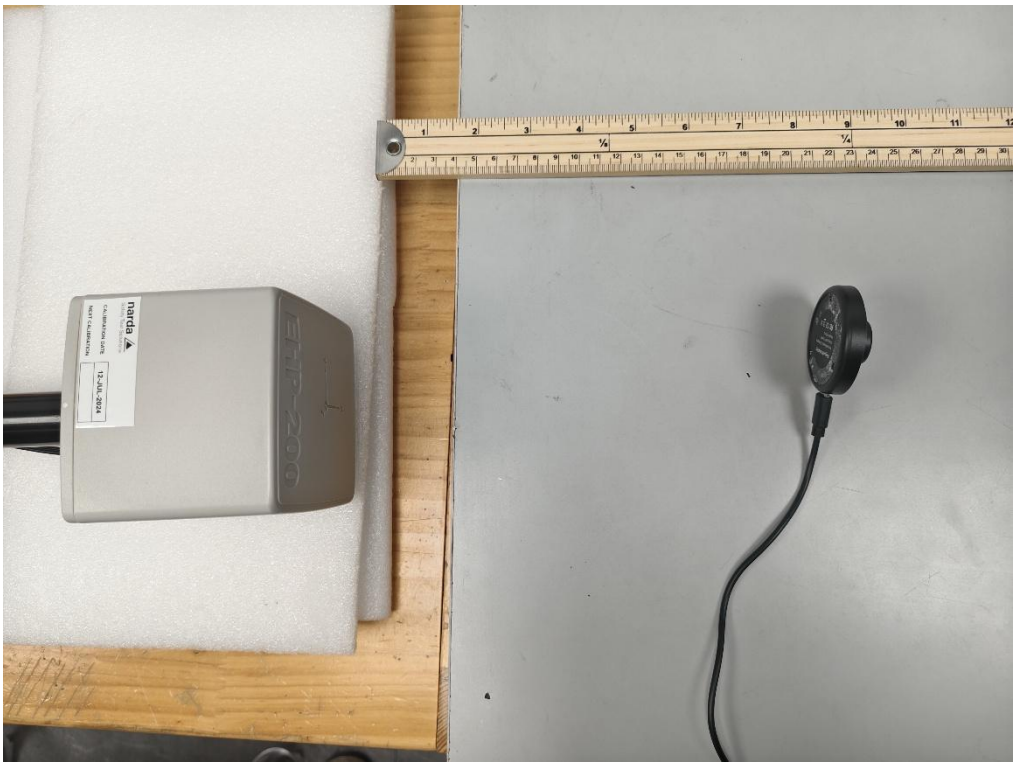
20cm_C



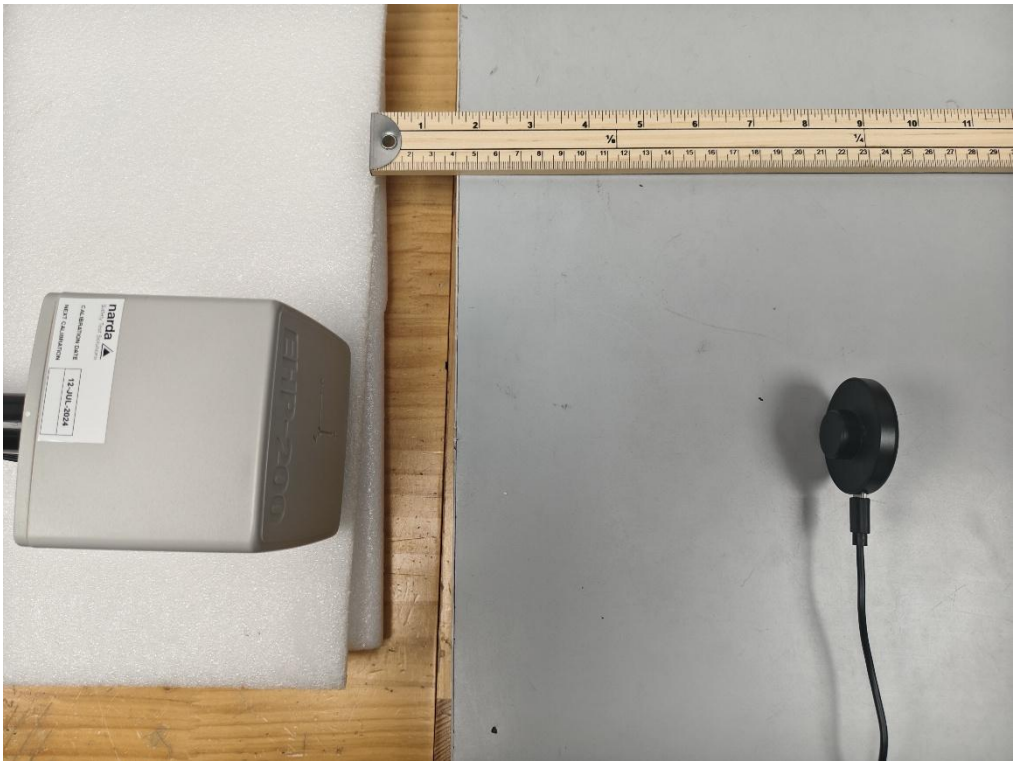
20cm_D



20cm_E



20cm_F



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