



Product Name:	15W Magnetic Car Charging Kit
Product Model No.:	AW-15W-CZ01
Transmitting mode	Keep the EUT in continuously wireless charging mode
Power supply:	Input:5V---3A, 9V---2.22A (Max)
Output:	Wireless Charging Output Power: 15W/10W/7.5W/5W
Operation frequency :	110.5-205KHz
Antenna Type:	Coil Antenna

Test Modes:

Mode 1	EUT Wireless charging(15W)
Mode 2	EUT Wireless charging(10W)
Mode 3	EUT Wireless charging(7.5W)
Mode 4	EUT Wireless charging(5W)
Note: All test modes were pre-tested, but we only recorded the worst (Mode 1) case in this report.	

Auxiliary Equipment:

Description	Manufacturer	Model No.	S/N	Remark
Adapter	APPLE	A2244	F1625O31EBDPMG9DK	/
Phone	APPLE	iPhone 13	/	/



RF Exposure Evaluation

1 Measuring Standard

KDB 680106 D01 Wireless Power Transfer v04

2 Requirements

According to the item 5 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.

(1) Power transfer frequency is less than 1MHz.

RE: Yes. Operating Frequency is 110.5-205 kHz

(2) Output power from each primary coil is less than or equal to 15 watts.

RE: Yes. The maximum power is 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.

RE: Yes. The system includes one single primary coils and the device is designed to charge a single client

(4) Client device is placed directly in contact with the transmitter.

RE: Yes. The client device is placed directly in contact with the transmitter.

(5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).

RE: Yes. It is a Mobile device.

(6) The aggregate H-field strengths anywhere at or beyond 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.

RE: Yes. Meet the MPE limit below 50%

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)

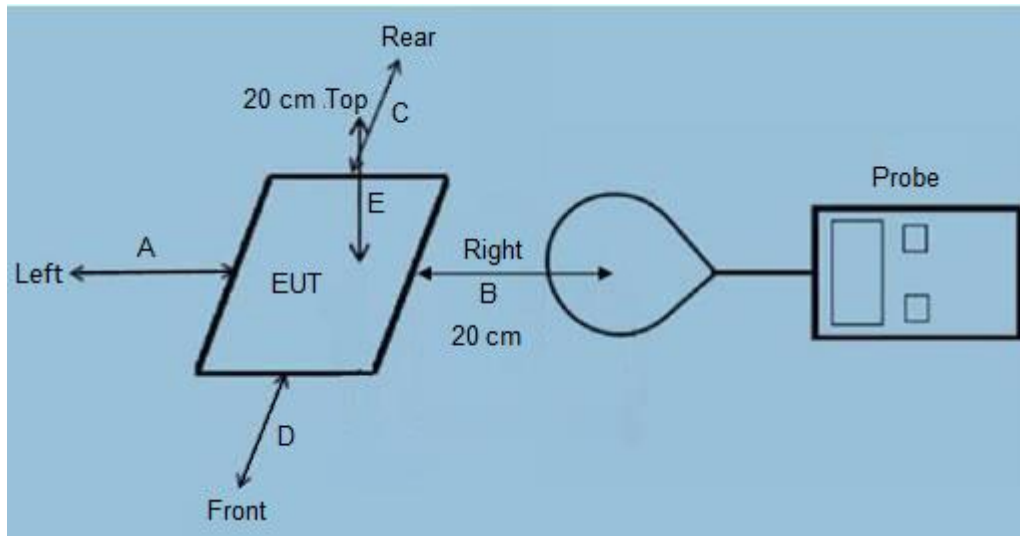
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	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 Setup



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 D01 v04.

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

**5 Test Instruments list**

Test Equipment	Manufacturer	Model No.	SN.	Cal.Date	Cal.Due date
Exposure Level Tester	HIOKI	HIOKI-3470-01	071016320	Dec. 31 2025	Dec. 30 2026
100 cm ² Magnetic Field Sensor	HIOKI	100cm ² sensor	0376-B1	Dec. 31 2025	Dec. 30 2026

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

Frequency Range (kHz)	Test Position A	Test Position B	Test Position C	Test Position D	Limits (V/m)
110.5-205	2.77	2.67	2.71	2.69	614

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

Frequency Range (kHz)	Test Position E	Limits (V/m)
110.5-205	2.70	614

H-Filed Strength at 20 cm from the edges surrounding the EUT (A/m)

Frequency Range (kHz)	Test Position A	Test Position B	Test Position C	Test Position D	Limits (A/m)
110.5-205	0.15	0.13	0.16	0.15	1.63

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

Frequency Range (kHz)	Test Position E	Limits (A/m)
110.5-205	0.19	1.63

Note: The EUT of 1%, 50%, 99% have test, the worst case (Mode 1: 1%) recorded in this report.