

## FCC §1.1307&1.1310 – RF EXPOSURE

### Applicable Standard

FCC §1.1307 & 1.1310  
 KDB 680106 D01 RF Exposure Wireless Charging Apps v02

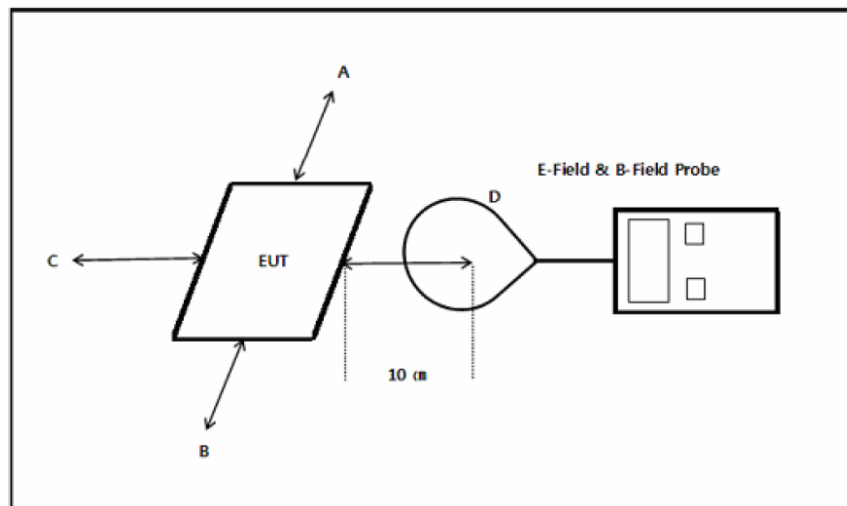
According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307

#### Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
<b>(A) Limits for Occupational/Controlled Exposures</b>				
0.3-3.0	614	1.63	*{100}	6
3.0-30	1842/f	4.89/f	*{900/f <sup>2</sup> }	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
<b>(B) Limits for General Population/Uncontrolled Exposure</b>				
0.3-1.34	614	1.63	*{100}	30
1.34-30	824/f	2.19/f	*{180/f <sup>2</sup> }	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz  
 \* = plane-wave equipment power density

### EUT Setup



**Test Equipment List and Details**

Manufacturer	Description	Model	Calibration Date	Calibration Due Date
Hioki	Magnetic Field Test	3470	2013-03-10	2014-03-09

**Test Result**

Test Mode: Charging mode

1) E-Filed Strength at 10 cm from the edges surrounding the EUT

Frequency Range (MHz)	Probe Position A (A/m)	Probe Position B (A/m)	Probe Position C (A/m)	Probe Position D (A/m)	Limits (A/m)
0.11-0.210	0.056	0.032	0.061	0.028	1.63

2) E-Filed Strength (calculated) at 10 cm from the edges surrounding the EUT

Frequency Range (MHz)	Probe Position A (V/m)	Probe Position B (V/m)	Probe Position C (V/m)	Probe Position D (V/m)	Limits (V/m)
0.11-0.210	21.112	12.064	22.997	10.556	614

Note:

$$E = 377 * H,$$

E = electric field strength (V/m)

H = magnetic field strength (A/m)

According with KDB 680106 D01 RF Exposure Wireless Charging Apps v02, Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m