

XVI. Exposure Evaluation

The table below compares the measured fields to an occupational exposure limit. The unit does not produce significant electric or magnetic fields that would create an exposure hazard. Above 300 MHz the power density in mW/cm² is related to the electric field in V/m by: $S = E^2/3770$.

Freq MHz	H-field A/m	Limit A/m	Dev A/m	E-Field V/m	Limit V/m	Dev V/m	Power (S) mW/cm ²	Limit mW/cm ²	Dev mW/cm ²
0.3	< 0.1	1.63	-1.53	< 0.1	614	-613.9			
0.5	0.1	1.63	-1.53	0.1	614	-613.9			
1	0.1	1.63	-1.53	0.1	614	-613.9			
3	0.1	1.63	-1.53	0.1	614	-613.9			
5	0.1	0.98	-0.88	0.1	368	-367.9			
10	0.1	0.49	-0.39	0.1	184	-183.9			
30	0.01	0.163	-0.153	0.1	61.4	-61.3			
50	0.01	0.163	-0.153	0.1	61.4	-61.3			
100	0.01	0.163	-0.153	0.1	61.4	-61.3			
156	0.01	0.163	-0.153	0.1	61.4	61.3			
163	0.01	0.163	-0.153	0.1	61.4	61.3			
300	0.01	0.163	-0.153	0.1	61.4	-61.3			
500							< 0.1	1.7	-1.6
600							0.1	2.0	-1.9
800							0.1	2.7	-2.6
1000							0.1	3.3	-3.2
1200							0.1	4.0	-3.9
1500							0.1	5.0	-4.9
1630							0.1	5.4	-5.3

Table 3 – Exposure Evaluation Results - Model AISA6-000-10

Note: Measurements made radially at 20 cm.

