

MPE Calculation

For Shanghai Leadigi Information Technology CO.,LTD

Model: M551

FCC ID: XHLM551

EUT Frequency Band: 2412MHz-2462MHz

Power Density Limit: $1.0\text{mW}/\text{cm}^2$

Equation: $S=PG/4\pi R^2$

Where, S=Power Density

P=Power Input to Antenna

G=Antenna Gain

R=distance to the center of radiated antenna

Low Channel (2412MHz): Maximum Power=23.6dBm, Antenna Gain=1dBi

$S=0.07224\text{ mW}/\text{cm}^2$

Result:

The above result had shown that device complied with $1.0\text{mW}/\text{cm}^2$ power density requirement for distance of 20cm.

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