## Limits for General population / Uncontrolled Exposure

| Frequency (f) (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) ($mW/cm^2$) | Averaging Time $|E|^2$, $|H|^2$ or S (minutes) |
|---|---|---|---|---|
| 2440 | -- | -- | 1 | 30 |

## MPE Calculation

| MPE(m) | Antenna Gain in dBi | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Conducted Power (Watt) | 5 | 6 | 8 | 10.5 | 12 | 14 | 14.5 | 15 |
| 1 | 0.159 | 0.178 | 0.224 | 0.299 | 0.355 | 0.447 | 0.474 | 0.502 |
| 2 | 0.224 | 0.252 | 0.317 | 0.423 | 0.502 | 0.632 | 0.67 | 0.709 |
| 25 | 0.793 | 0.89 | 1.12 | 1.494 | 1.776 | 2.235 | 2.368 | 2.508 |
| 40 | 1.003 | 1.126 | 1.417 | 1.89 | 2.246 | 2.828 | 2.995 | 3.173 |
| Or EIRP | | | | | | | | |
| 4 | 0.178 | | | | | | | |
| 0.1862 | 0.038 | | | | | | | |

Back Reset

$$E(V/m) = \frac{\sqrt{30 \times P \times G}}{d} \qquad \text{Power density: } P_d(mW/cm^2) = \frac{E^2}{3770}$$