



MAXIMUM PERMISSIBLE EXPOSURE FOR SUBPART C
 OET Bulletin 65 Edition 97-01, Edition 97-01 - Equation from page 19

900 MHz Band Calculations

For Model: Vivint CP01

908.4 MHz Z-Wave Transceiver

MPE Limit Calculation: EUT's operating frequencies @ **908.4 MHz**; highest conducted power = **0dBm** (peak) therefore, limit for uncontrolled exposure: **0.6 mW/cm²**

$$S = PG / (4\pi R^2)$$

EUT maximum antenna gain = **0 dBi**.

where, S = Power Density (mW/cm²)

P = Power Input to antenna (1mW)

G = Antenna Gain (1 numeric)

$$S = (1 * 1) / (4 * 3.14 * 20.0^2) = \mathbf{0.0002mW/cm^2} @ 20cm separation$$

MPE Summary:

| Frequency Range | MPE Result (mW/cm ²) | Limit (mW/cm ²) |
|-----------------|----------------------------------|-----------------------------|
| 910 – 920 MHz | 0.0199 | 0.6 |
| 908.4 MHz | 0.0002 | 0.6 |
| TOTAL | 0.0201 | 0.6 |

$$\mathbf{0.0201mWcm^2 < 0.6 mW/cm^2}$$