

MPE CALCULATION

For Intelicis – 802.11 a/b/g Dual Radio AP; Model: Cedar860AG

FCC ID: U3HCEDAR860AG

RF Exposure Requirements: 47 CFR §1.1307(b)

RF Radiation Exposure Limits: 47 CFR §1.1310

RF Radiation Exposure Guidelines: FCC OST/OET Bulletin Number 65

(A) 802.11a/b/g

EUT Frequency Band: 2412 – 2462 MHz and 5750 – 5825 MHz

EUT Maximum Measured Conducted Power: 24.28 dBm (267.9 mW)

EUT Antenna Gain: 3 dBi

Limits for General Population/Uncontrolled Exposure in the band of: 1.5 – 100 GHz

Power Density Limit: 1 mW/ cm²;

Equation: $S = PG / 4\pi R^2$ or $R = \sqrt{PG / 4\pi S}$

Where, S = Power Density

P = Power Input to Antenna

G = Antenna Gain

R = distance to the center of radiated antenna

$$S = 267.9 \text{ mW} * 2.0 / 4 * 3.14 * (20\text{cm})^2 = 0.1066 \text{ mW/cm}^2$$

EUT complies with 20cm distance exposure.