

July 25, 2007

**ARUB11-A2 Aruba Networks – 802.11 a/b/g Wireless Access Point AP-60 & AP 61**

Maximum Permissible Exposure Calculations

**FCC, Part 15 Subpart C §15.247(i)**

**Calculations for Maximum Permissible Exposure Levels**

Power Density = Pd (mW/cm<sup>2</sup>) = EIRP/(4πd<sup>2</sup>)

EIRP = P \* G

P = Peak output power (mW)

G = Antenna numeric gain (numeric)

d = Separation distance (cm)

Numeric Gain = 10 ^ (G (dBi)/10)

Because the EUT belongs to the General Population/Uncontrolled Exposure the limit of power density is 1.0 mW/cm<sup>2</sup>

Freq. Band (GHz)	Antenna Gain (dBi)	Numeric Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Calculated Safe Distance @ 1mW/cm <sup>2</sup> Limit (cm)
2.4(b)	12	15.85	+20.7	117.5	12.2
2.4(g)	12	15.85	+24.0	251.2	17.8
5.8	14	25.12	+22.0	158.5	17.8