August 27, 2007

MLWI01– A6 – Meshlinx Multi-Radio Access Point MWI5000

Maximum Permissible Exposure Calculations

FCC, Part 15 Subpart C §15.407(f)
Industry Canada RSS-Gen §5.5

Calculations for Maximum Permissible Exposure Levels
Power Density = Pd (mW/cm^2) = EIRP/(4πd^2)
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^2

Frequency Band (MHz)	Antenna Gain (dBi)	Numeric Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Calculated safe distance @ max limit 1mW/ cm^2 (d=cm)
5150 – 5250	9.0	7.94	+14.0	25.2	4.0
5250 – 5350 5470 - 5725	9.0	7.94	+16.9	49.0	5.6