14th February 2007

STR10-A4 Strix Systems Inc, Access One Network OWS 2400 4.9GHz Radio

Maximum Permissible Exposure

FCC, Part 90 Subpart C §90.1217

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)

4 9 GHz 20 MHz Channel = Max. Peak Output Power +30.70 dBm, 1174.89 mW

Max. Antenna Gain = 11.0 dBi, **12.59 numeric**

The EUT belongs to the Occupational/Controlled Exposure class of devices; power density limit is 5.0mW/cm^2

Maximum Gain Antennas – Calculated Safe Distance @ 5 mW/cm^2

Antenna Gain (Numeric)	Peak Output Power (mW)	Calculated Safe Distance at 5 mW/cm^2 (cm)	Limit (mW/cm^2)
12.59	1174.89	15.34	5.0