MPE Calculations for Litenna Dual-band In-building repeater

Applicant: Foxcom Wireless Inc. FCC ID: OJFLITENNA9B430P4

MPE Calculation, 869 MHz:

1.1310 Radiofrequency radiation exposure evaluation

RF Hazard Distance Calculation

mW/cm2 from Table1:		0.60	
Max RF Power P, dBm	TX Antenna G, dBi	MPE Safe Distance, cm	
20.3	10.0	11.9	
MPE Calculatio	on, 1900 MHz:		
RF Hazard Dist	ance Calculation	I	
mW/cm2 from Table1:		1.00	
Max RF Power P, dBm	TX Antenna G, dBi	MPE Safe Distance, cm	
17.3	10.0	6.5	
Basis of Calculati	ons:		
E^2/3770 = S, mW/cm2 E, V/m = (Pwatts*Ggain*30)^.5/d, meters d = ((Pwatts*G*30)/3770*S))^0.5			Pwatts*Ggain = 10^(PdBm-30+GdBi)/10)

4

NOTE: For mobile or fixed location transmitters, minimum separation distance is 20 cm, even if calculations indicate MPE distance is less