

Trimble Navigation Ltd.									
FCC ID: JUP-ELIZABETH35									
Calculate mW/cm2 here. Enter frequency in MHz:									
RF Hazard Distance Calculation					Calculation of Limits from 1.1310 Table 1				
							Controlled	Uncontrolled	
							Ave 6 min	Ave 30 min	
mW/cm2 from Table1:		0.20			F(MHz)	Actual F, MHz	Occ, mW/c2	Gen, mW/cm2	
					0.3-3	0.5	100.0	100.0	
Max RF Power	TX Antenna	MPE	MPE, inches	Comment	3.0 - 30.0	4	225.0	45.0	
P, dBm	G, dBi	Safe Distance, cm			30.0-300	30	1.0	0.2	
					300-1500	555	1.9	0.37	
56.020	1.5	474.1	186.7		1500-100000	5555	5.0	1.0	
					Enter P(mW)	Equivalent dBm	Enter dBm	Equivalent Watts	
Basis of Calculations:					400000	56.0206	56.021	400.0	
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)						
NOTE: For mobile or fixed location transmitters, minimum separation distance is for FCC compliance is 20 cm, even if calculations indicate MPE distance is less									