

MPE for TranSystem "In-band" CPE Transceiver							
FCC ID:	OUPP1804-2						
						Calculate mW/cm2 here. Enter frequency	
RF Hazard Distance Calculation						Calculation of Limits from 1.1310 Table	
mW/cm2 from Table1:	1.00				F(MHz)	Actual F, MHz	
					0.3-3	1	
Max RF Power	TX Antenna	MPE			3.0 - 30.0	30	
P, dBm	G, dBi	Safe Distance, cm			30.0-300	20	
					300-1500	869	
24.4	2.1	6.0			1500-100000	1500	
24.4	12.0	18.6					
24.4	15.0	26.3					
24.4	18.0	37.2					
					Enter P(watts)	Equivalent d	Enter dBm
Basis of Calculations:						#VALUE!	24.4
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 20 cm,							
even if calculations indicate MPE distance is less							

ncy in MHz:		
le 1		
Controlled	Uncontrolled	
Ave 6 min	Ave 30 min	
Occ, mW/c2	Gen, mW/cm2	
100.0	100.0	
30.0	6.0	
1.0	0.2	
2.9	0.58	
5.0	1.0	
Equivalent Watts		
0.275		