

Input-Output									
FCC ID: MCV-CRU101									
217-219 MHz Base Station Transmitter					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 distance	Comment		3.0 - 30.0	5	180.0		36.0
P, dBm	G, dBi	cm			30.0-300	55	1.0		0.2
					300-1500	902	3.0		0.60
31.52	8.20	61.1	Peak		1500-100000	5555	5.0		1.0
24.5	8.20	27.3	20%duty cycle						
					Enter P(mW)	Equivalent dBm	Enter dBm	Equivalent Watts	
Basis of Calculations:					895.4	29.52	29.52	895.4	
E^2/3770 = S, mW/cm2									
E, V/m = (Pwatts*Ggain*30)^.5/d, meters									
d = ((Pwatts*G*30)/3770*S)^0.5									
S@20cm = 20 log (MPE dist/20cm)									