

Input-Output									
FCC ID: MCVCRU101									
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			
									Control
									Ave 6
mW/cm2 from Table1:		0.20				F(MHz)	Actual F, MHz		Occ,
						0.3-3	0.5		10
Max RF Power	TX Antenna	MPE distance	S, mW/cm@	Comment		3.0 - 30.0	5		18
P, dBm	G, dBi	cm	at 20 cm			30.0-300	55		1
						300-1500	902		3
31.52	2.20	30.6	0.47	Peak		1500-100000	5555		5
14.5	2.20	4.3	0.01	2%duty cycle					
						Enter P(mW)	Equivalent dBm	Enter dBm	Equiva
Basis of Calculations:						895.4	29.52	29.52	
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)							
S@20cm = 20 log (MPE dist/20cm)									