MPE Exposure Formula:

S = (P X G) / (4 X π X d^2)

where:
S = power density
P = transmitter conducted power in (mW)
G = antenna numeric gain
d = distance to radiation center (m) or (.02^2) = .020 m

		Enter Data in Linear Units			
Gain =	7.1	Numeric		9.2	dBi
Power =	5012	mW		37	dBm
Frequency =	**221**	**MHz**		0.200	mW/cm^2
Cable Loss =	**0**	**dB**			
EIRP =	35584.29	mW		41686.94	mW
R (cm) =	118.9896657		S (20cm) =		8.293

Note: Microwave Data Systems will be using different antennas so only the highest gain antenna to be used with transmitter is stated. For worse case scenario this does not include any cable loss. The calculated safe distance is 1.2 meters.