BEAMREAC	H NETWORKS					
MAXIMUM PERMISSIBLE EXPOSURE CALCULATIONS						
Calculation of mpe distance per product specifications						
	Average					
	Power into		Average			
	Antenna		Power into			Distance to Center
	during Tx		Antenna, P		Power Density,	of Radiation of
Unit	Interval (dBm)	(dB)	(dBm)	G (dBi)	S (mW/cm ²)	Antenna, R (cm)
ODU CPE	30	-3.89	26.11	18	5	20.24
IDU CPE	30	-3.89	26.11	11	1	20.22
Base (5W)	37	-2.92	34.08	17	5	45.16
Base (10W)	40	-2.92	37.08	17	5	63.78
S = P*G/(4*pi*R^2), far field calculation						
R = SQRT(P)	*G/(4*pi*S))					
Note:						
FCC limit for general population/uncontrolled exposure is 1mW/cm^2.						
2. FCC limit for occupation/controlled exposure is 5mW/cm^2.						
Calculation of mpe distance per product average power measurements						
	Average					
	Power into		Average			
	Antenna		Power into			Distance to Center
	during Tx	Tx Duty Cycle	Antenna, P	Antenna Gain,	Power Density,	of Radiation of
Unit	Interval (dBm)	(dB)	(dBm)	G (dBi)	S (mW/cm ²)	Antenna, R (cm)
ODU CPE	28.5	-3.89	24.61	18	5	17.03
IDU CPE	27	-3.89	23.11	11	1	14.31