

		Model: CDR-915LX							
The CDR-915LX module is a frequency hopping spread spectrum transmitter operating in the frequency band of 902 MHz to 928 MHz with 0.001 watt or less of output power.									
MPE uses EIRP for calculation. EIRP is based on TX power added to the antenna gain in dBi.									
dBi = dB gain compared to an isotropic radiator.									
S = power density in mW/cm^2									
Output Power				dBd + 2.17 = dBi		Antenna Gain (dBi)		1	
(Watts)				0.0010		dBi to dBd		2.17	
Tx Frequency (MHz)	915					Antenna Gain (dBd)		2.83	
Cable Loss (dB)	0.0	(dBm)		0.00		Antenna minus cable (dBi)		1.00	
Calculated ERP (mw)		0.764				Radiated (ERP) dBm		-1.170	
Calculated EIRP (mw)		1.259				Radiated (EIRP) dBm		1.000	
Occupational Limit		Power density (S) EIRP ----- = mW/cm^2 4 p r^2 r (cm) EIRP (mW)							
3.05	mW/cm^2								
General Public Limit									
0.61	mW/cm^2								
FCC radio frequency radiation exposure limits per 1.1310									
Frequency (MHz)			Occupational Limit		Public Limit				
300-1,500			f/300		f/1500				
1,500-10,000			5		1				
EIRP			Distance		Distance		S		
watts			cm		inches		mW/cm^2		
1.259			100.00		39.37		0.00001		
1.259			75.00		29.53		0.00002		
1.259			50.00		19.69		0.00004		
1.259			40.00		15.75		0.00006		
1.259			35.00		13.78		0.00008		
1.259			30.00		11.81		0.00011		
1.259			25.00		9.84		0.00016		
1.259			20.00		7.87		0.00025		
1.259			15.00		5.91		0.00045		
1.259			10.00		3.94		0.00100		
1.259			9.00		3.54		0.00124		
1.259			8.00		3.15		0.00157		
1.259			7.00		2.76		0.00204		
1.259			6.00		2.36		0.00278		
1.259			5.00		1.97		0.00401		
1.259			4.00		1.57		0.00626		
1.259			3.00		1.18		0.01113		
1.259			2.00		0.79		0.02505		
1.259			1.00		0.39		0.10018		
1.259			0.75		0.30		0.17810		
1.259			0.50		0.20		0.40073		
1.259			0.25		0.10		1.60291		
1.259			0.20		0.08		2.50455		
1.259			0.19		0.07		2.77513		
1.259			0.18		0.07		3.09204		
1.259			0.17		0.07		3.46651		
1.259			0.15		0.06		4.45254		