

		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					Antenna Gain (dBi)		1
		Output Power			dBd + 2.17 = dBi	dBi to dBd		2.17
Tx Frequency (MHz)	915		(Watts)	0.0010		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			