

MPE Calculator: Enter frequency, cable loss, antenna gain in dBi and output power in watts						
		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)	14	
				dBi to dBd	2.17	
Tx Frequency (MHz)	915	Output Power (Watts)	2.2803	Antenna Gain (dBd)	11.83	
Cable Loss (dB)	0.0	(dBm)	33.58	Antenna minus cable (dBi)		14.00
		Calculated ERP (mw)			ERP = EIRP - 2.17 dB	
		34673.685			Radiated (ERP) dBm	45.400
					EIRP = Po(dBm) + Gain (dB)	
		Calculated EIRP (mw)			Radiated (EIRP) dBm	47.570