

		HVIN: E6V2		Test Number: 240416			
MPE Calculator	RF Exposure 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						
	Transmitter Output power (mW)		1977.0				
	Transmitter Output power (W)		1.98				
Output Power for % duty Cycle operation (Watts)	100		1.98		Antenna Gain (dBi)	14	
	Output Power for 100% duty Cycle operation (Watts)		1.98		Antenna Gain (Numeric)	25.12	
Tx Frequency (MHz)	915	Calculation power (Watts)	1.98	dBd + 2.17 = dBi	dBi to dBd	2.17	
					Antenna Gain (dBd)	11.83	
Cable Loss (dB)	0.0	Adjusted Power (dBm)	32.96		Antenna minus cable (dBi)	14.00	
					Antenna Gain (Numeric)	25.12	
	Calculated ERP (mw)	30130.060			EIRP = Po(dBm) + Gain (dB)		
	Calculated EIRP (mw)	49659.232			Radiated (EIRP) dBm	46.960	
	<div>Power density (S) mW/cm² = <math>\frac{\text{EIRP}}{4 \pi r^2}</math></div> <div>r (cm)    EIRP (mW)</div>				ERP = EIRP - 2.17 dB		
					Radiated (ERP) dBm	44.790	