

[illegible]

Honeywell	Model: KSN 770	Test Number:	121210			
MPE Calculator	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					
	Transmitter maximum Output power operating at 100% (Watts)	20.0447		Antenna Gain (dBi)	1	
	Output Power for 50% duty Cycle operation (Watts)	10.0224	dBd + 2.17 = dBi	dBi to dBd	2.2	
Tx Frequency (MHz)	127	Calculation power (Watts)	10.0224	Antenna Gain (dBd)	-1.17	
Cable Loss (dB)	0.0	(dBm)	40.01	Antenna minus cable (dB)	1.00	
	Calculated ERP (mw)	7655.437		EIRP = Po(dBm) + Gain (dB)		
	Calculated EIRP (mw)	12617.404		Radiated (EIRP) dBm	41.010	
				ERP = EIRP - 2.17 dB		
				Radiated (ERP) dBm	38.840	
Occupational Limit		Power density (S) EIRP ----- = mW/cm^2 4 p r^2 r (cm) EIRP (mW)				
1.00000	mW/cm^2					
10.00000	W/m^2					
General Public Limit						
0.20000	mW/cm^2					
2.00000	W/m^2					
	</					