

Dynastream		Model: 01715	Test Number:	110526		
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					
		Output Power	dBd + 2.17 = dBi	Antenna Gain (dBi)	1	
TxFrequency (MHz)	2457	Maximum (Watts)	0.00059	dBi to dBd	2.2	
Cable Loss (dB)	0.0	(dBm)	-2.53	Antenna Gain (dBd)	-1.17	
Calculated ERP (mw)	0.427		EIRP = Po(dBM) + Gain (dB)			
Calculated EIRP (mw)	0.703		Radiated (EIRP) dBm		-1.529	
			ERP = EIRP - 2.17 dB			
Occupational Limit		Power density (S) EIRP ----- = mW/cm^2 4 p r^2 r (cm) EIRP (mW)		Radiated (ERP) dBm	-3.699	
5.00000 mW/cm ²						
50.00000 W/m ²						
General Public Limit						
1.00000 mW/cm ²						
10.00000 W/m 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		
		FCC radio frequency radiation exposure limits per 1.1310				
		Frequency (MHz)	Occupational Limit @ Tx Freq	Public Limit @ Tx Freq		
		300-1,500 (mW/cm2)	8.19	1.638		
		300-1,500 (W/m2)	81.9	16.38		
		1,500-10,000 (mW/cm2)	5	1		
		1,500-10,000 (W/m2)	50	10		
EIRP	S	S	Distance	Distance	Distance	Distance
milliwatts	mW/cm ²	W/m ²	cm	meter	inches	Feet
0.703	0.00056	0.00560	10.00	0.10	3.94	0.01
0.703	0.00069	0.00691	9.00	0.09	3.54	0.01
0.703	0.00087	0.00874	8.00	0.08	3.15	0.01
0.703	0.00114	0.01142	7.00	0.07	2.76	0.01
0.703	0.00155	0.01555	6.00	0.06	2.36	0.01
0.703	0.00224	0.02239	5.00	0.05	1.97	0.00
0.703	0.00350	0.03498	4.00	0.04	1.57	0.00
0.703	0.00622	0.06218	3.00	0.03	1.18	0.00
0.703	0.01399	0.13991	2.00	0.02	0.79	0.00
0.703	0.05596	0.55964	1.00	0.01	0.39	0.00
0.703	0.06909	0.69092	0.90	0.009	0.35	0.001
0.703	0.08744	0.87444	0.80	0.008	0.31	0.001
0.703	0.11421	1.14213	0.70	0.007	0.28	0.001
0.703	0.15546	1.55457	0.60	0.006	0.24	0.001
0.703	0.22386	2.23857	0.50	0.005	0.20	0.000
0.703	0.34978	3.49777	0.40	0.004	0.16	0.000
0.703	0.62183	6.21826	0.30	0.003	0.12	0.000
		Frequency (MHz)	Occupational Limit minimum Distance (meters)	Occupational Limit minimum Distance (cm / inches)	Public Limit minimum distance (meters)	Public Limit minimum distance (cm / inches)
		300-1,500	N/A	N/A	N/A	N/A
		1,500-10,000	N/A	N/A	N/A	N/A