DMP		Model: 734W		Test Number: 120103		
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					
					Antenna Gain (dBi)	2
		Output Power		dBd + 2.17 = dBi	dBi to dBd	2.2
Tx Frequency (MHz)	2437	Maximum (Watts)	0.100000		Antenna Gain (dBd)	-0.17
Cable Loss (dB)	0.0	(dBm)	20.00		Antenna minus cable (dBi)	2.00
	Calculated ERP (mw)	96.161		EIRP = Po(dBM) + Gain (dB)		
	Calculated EIRP (mw)	158.489			Radiated (EIRP) dBm	22.000
				ERP = EIRP - 2.17 dB		
	Occupational Limit				Radiated (ERP) dBm	19.830
5.00000	mW/cm^2					
50.00000	W/m^2					
	General Public Limit					
1.00000	mW/cm^2					
10.00000	W/m^2					

Power density (S)

EIRP
------- = mW/cm^2
4 p r^2

r (cm) EIRP (mW)

FCC radio frequency radiation exposure limits per 1.1310 (mW/cm2)		
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	Public Limit
300-1,500 (mW/cm2)	8.123333333	1.624666667
300-1,500 (W/m2)	81.23333333	16.24666667
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
158.489	0.00126	0.01261	100.00	1.00	39.37	0.08
158.489	0.00156	0.01557	90.00	0.90	35.43	0.08
158.489	0.00197	0.01971	80.00	0.80	31.50	0.07
158.489	0.00257	0.02574	70.00	0.70	27.56	0.06
158.489	0.00350	0.03503	60.00	0.60	23.62	0.05
158.489	0.00504	0.05045	50.00	0.50	19.69	0.04
158.489	0.00788	0.07883	40.00	0.40	15.75	0.03
158.489	0.01401	0.14014	30.00	0.30	11.81	0.03
158.489	0.03153	0.31530	20.00	0.20	7.87	0.02
158.489	0.12612	1.26122	10.00	0.10	3.94	0.01
158.489	0.15571	1.55706	9.00	0.09	3.54	0.01
158.489	0.19707	1.97065	8.00	0.08	3.15	0.01
158.489	0.25739	2.57391	7.00	0.07	2.76	0.01
158.489	0.35034	3.50338	6.00	0.06	2.36	0.01
158.489	0.50449	5.04487	5.00	0.05	1.97	0.00
158.489	0.78826	7.88261	4.00	0.04	1.57	0.00
158.489	1.02957	10.29566	3.50	0.04	1.38	0.00

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	0.04	3.5 / 1.4