MPE Limit: EUT's operating frequencies; **Limit for Uncontrolled exposure: 1 mW/cm^2 or 10 W/m^2**

Equation from page 18 of OET 65, Edition 97-01

$S = PG / 4\pi R^2$ or $R = \sqrt{(PG / 4\pi S)}$

where, S = Power Density (mW/cm^2)

P = Power Input to antenna (mW)

G = Antenna Gain (numeric value)

R = Distance (cm)

FCC									
Frequency (MHz)	**Con. Pwr. (dBm)**	**Con. Pwr. (mW)**	**Ant. Gain (dBi)**	**Ant. Gain numeric**	**Pwr. Density (mW/cm^2)**	**Limit (mW/cm^2)**	**Margin**	**Distance (cm)**	**Result**
10000	1.63	1.455	14	25.119	0.00727	1	0.99273	20	Pass
24000	-6.27	0.236	14	25.119	0.00118	1	0.99882	20	Pass
5240	16.932	49.34	0	1	0.00982	1	0.99018	20	Pass
2437	22.668	184.842	0	1	0.03677	1	0.96323	20	Pass

The total power density for all the collocated antennas is 0.05504 **(mW/cm^2)**