

8. CO-LOCATED MAXIMUM PERMISSIBLE EXPOSURE

LIMITS

Per OTE Bulletin 65, for frequency bands with the same MPE limits, the Power Densities produced by each transmitter are summed. The summation must be under the limit for the band.

Per OTE Bulletin 65, for frequency bands with different limits the Power Densities are calculated separately for each band, divided by the limit for the band and the results are then summed. The summation must be less than 1.

RESULTS

Mode	MPE Distance (cm)	Output Power (dBm)	Antenna Gain (dBi)	FCC Power Density (mW/cm ²)	FCC Limit (mW/cm ²)	FCC Fraction of Limit Dimensionless
WLAN	20.0	23.88	2.00	0.08	1.00	0.08
800 MHz Cellular	20.0	21.80	-2.14	0.02	0.55	0.03
Colocated						0.11

Mode	MPE Distance (cm)	Output Power (dBm)	Antenna Gain (dBi)	FCC Power Density (mW/cm ²)	FCC Limit (mW/cm ²)
WLAN	20.0	23.88	2.00	0.08	1.00
1900 MHz PCS	20.0	30.40	0.00	0.22	1.00
Colocated				0.29	1.00