

MPE CALCULATION

RF Exposure Requirements: 47 CFR §1.1307(b)
RF Radiation Exposure Limits: 47 CFR §1.1310
RF Radiation Exposure Guidelines: FCC OST/OET Bulletin Number 65
EUT Frequency Band: 1500 ~100,000MHz
Power Density Limit: 1 mW/ cm²

Equation: $S = PG / 4\pi R^2$ or $R = \sqrt{PG / 4\pi S}$

Where, S = Power Density

P = Power Input to Antenna

G = Antenna Gain

R = distance to the center of radiated antenna

MPE test Result

Radio Mode	Output Power (mW)	Antenna (numeric)	Power Density (mw/cm2)	Power Density Limit(mw/cm2)
UMTS Band II	1227.439	1.78	0.43	1