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/ cm^2

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	Frequency (MHz)	Meas Output Power (dBm)	Antenna Gain (dBi)	Power Density (mw/cm2)	Max tune-up Power (dBm)	Scaled Power Density (mw/cm2)	Power Density Limit(mw/cm2)
UMTS Band 2	1930-1995	24.24	3	0.105	24.5	0.112	1
LTE Band 4	2110-2155	24.346	3	0.108	24.5	0.112	1

Total Power density= 0.112 mW/cm^2 + 0.112 mW/cm^2 = 0.224 mW/cm^2 < 1mW/ cm^2

The Above Result had shown that Device complied with MPE requirement.

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