

RF Exposure Calculation

The EUT will only be used with a separation of 20 centimeters or greater between the antenna and the body of the user.

The MPE calculation for this exposure is shown below.

Power density at the specific separation

$S = P G / (4 R^2 \pi)$	- Note S = Maximum power density(mW/cm²) P = Power input to the antenna(mW) G = Numeric power gain of the antenna R = Distance to the center of the radiation of the antenna(20cm)
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	2.4GHz Band DTS	5GHz Band NII
Target power & Tolerance	Target Power : 25.0 dBm Tolerance : ± 3 dB 22.0 dBm ~ 28.0 dBm	Target Power : 13.9 dBm Tolerance : ± 3 dB 10.9 dBm ~ 16.9 dBm
Aggregated Power (P)	Max. 28.000 dBm 630.958 mW	Max. 16.900 dBm 48.978 mW
Antenna gain (G)	Max. -2.949 dBi 0.508 numeric Directional antenna gain	Max. 0.612 dBi 1.152 numeric Directional antenna gain
Calculated power density	0.064 mW/cm ²	0.012 mW/cm ²

Conclusion : The exposure condition of this device is compliant with FCC rules.

The maximum permissible exposure(MPE) of the general population/Uncontrolled for this device is 1.0 mW/cm²

The power density at 20cm does not exceed the 1.0mW/cm².