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 u

The MPE calculation for this exposure is shown below.

Power density at the specific separation

$S = PG / (4R^2\pi)$	**- Note** S = Maximum power dencity(mW/cm^2) 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)

	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/cm^2

The power desity at 20cm does not exceed the 1.0mW/cm^2.