

Maximum Permissible Exposure(MPE) evaluation

January 23, 2026

- Band = C-Band
- Transmitting frequency = 3700 MHz ~ 3980 MHz
- Min. test separation distance = 200 mm
- Max. Antenna Gain = 6.5 dBi Internal Antenna Type
- Max. power with turn-up tolerance = 27.00 dBm = 501.2 mW

$$S = P G / (4 R^2 \pi) , \text{ mW/cm}^2$$

$$= 0.445391 \text{ mW/cm}^2$$

S = Maximum power density

P = Maximum power with turn-up tolerance

G = Numeric power gain of the antenna

R = Distance from transmitting antenna

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

The limit for maximum permissible exposure = 1.000000 mW/cm²

Maximum Permissible Exposure(MPE) evaluation

January 23, 2026

- Band = C-Band
- Transmitting frequency = 3700 MHz ~ 3980 MHz
- Min. test separation distance = 450 mm
- Max. Antenna Gain = 17 dBi External Antenna Type
- Max. power with turn-up tolerance = 27.00 dBm = 501.2 mW

$$S = P G / (4 R^2 \pi) , \text{ mW/cm}^2$$

$$= 0.987134 \text{ mW/cm}^2$$

S = Maximum power density

P = Maximum power with turn-up tolerance

G = Numeric power gain of the antenna

R = Distance from transmitting antenna

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

The limit for maximum permissible exposure = 1.000000 mW/cm²