

Maximum Permissible Exposure(MPE) evaluation

February 5, 2026

- Band = Lower 700 MHz
- Transmitting frequency = 729 MHz ~ 746 MHz
- Min. test separation distance = 5300 mm
- Max. Antenna Gain = 17 dBi
- Max. power with turn-up tolerance = 42.00 dBm = 15849.0 mW

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

$$= 0.225030 \text{ mW/cm}^2$$

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 = 0.486000 mW/cm² (f/1500)

Maximum Permissible Exposure(MPE) evaluation

February 5, 2026

- Band = Upper 700 MHz
- Transmitting frequency = 746 MHz ~ 758 MHz
- Min. test separation distance = 5300 mm
- Max. Antenna Gain = 17 dBi
- Max. power with turn-up tolerance = 42.00 dBm = 15849.0 mW

$$S = P G / (4 R^2 \pi) , \text{ mW/cm}^2$$
$$= 0.225030 \text{ mW/cm}^2$$

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 = 0.497333 mW/cm² (f/1500)

Maximum Permissible Exposure(MPE) evaluation

February 5, 2026

- Band = FirstNet
- Transmitting frequency = 758 MHz ~ 768 MHz
- Min. test separation distance = 5300 mm
- Max. Antenna Gain = 17 dBi
- Max. power with turn-up tolerance = 42.00 dBm = 15849.0 mW

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

$$= 0.225030 \text{ mW/cm}^2$$

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 = 0.505333 mW/cm² (f/1500)