

Maximum Permissible Exposure(MPE) evaluation

January 23, 2026

- Band = Broadband PCS
- Transmitting frequency = 1930 MHz ~ 1995 MHz
- Min. test separation distance = 200 mm
- Max. Antenna Gain = 5 dBi Internal Antenna Type
- Max. power with turn-up tolerance = 25.00 dBm = 316.3 mW

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

S = Maximum power density

P = Maximum power with turn-up tolerance

G = Numeric power gain of the antenna

R = Distance from transmitting antenna

$$= 0.198989 \text{ mW/cm}^2$$

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 = AWS-2&4
- Transmitting frequency = 1995 MHz ~ 2020 MHz
- Min. test separation distance = 200 mm
- Max. Antenna Gain = 5 dBi Internal Antenna Type
- Max. power with turn-up tolerance = 25.00 dBm = 316.3 mW

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

S = Maximum power density
 P = Maximum power with turn-up tolerance
 G = Numeric power gain of the antenna
 R = Distance from transmitting antenna

$$= 0.198989 \text{ mW/cm}^2$$

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 = Broadband PCS
- Transmitting frequency = 1930 MHz ~ 1995 MHz
- Min. test separation distance = 450 mm
- Max. Antenna Gain = 17 dBi External Antenna Type
- Max. power with turn-up tolerance = 25.00 dBm = 316.3 mW

$$S = P G / (4 R^2 \pi) , \text{ mW/cm}^2$$
$$= 0.622966 \text{ mW/cm}^2$$

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

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- Min. test separation distance = 450 mm
- Max. Antenna Gain = 17 dBi External Antenna Type
- Max. power with turn-up tolerance = 25.00 dBm = 316.3 mW

$$S = P G / (4 R^2 \pi) , \text{ mW/cm}^2$$
$$= 0.622966 \text{ mW/cm}^2$$

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