

# Maximum Permissible Exposure(MPE) evaluation

February 5, 2026

- Band = Broadband PCS
- Transmitting frequency = 1930 MHz ~ 1995 MHz
- Min. test separation distance = 5300 mm
- Max. Antenna Gain = 17 dBi
- Max. power with turn-up tolerance = 45.00 dBm = 31622.8 mW

$$S = P G / (4 R^2 \pi) , \text{ mW/cm}^2$$
$$= 0.448992 \text{ mW/cm}^2$$

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/cm<sup>2</sup>

# Maximum Permissible Exposure(MPE) evaluation

February 5, 2026

- Band = AWS-2&4
- Transmitting frequency = 1995 MHz ~ 2020 MHz
- Min. test separation distance = 5300 mm
- Max. Antenna Gain = 17 dBi
- Max. power with turn-up tolerance = 45.00 dBm = 31622.8 mW

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

$$= 0.448992 \text{ mW/cm}^2$$

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/cm<sup>2</sup>