Maximum Permissible Exposure(MPE) evaluation

January 23, 2026

- Band = BRS
- Transmitting frequency = 2496 MHz ~ 2690 MHz
- Min. test separation distance = 200 mm
- Max. Antenna Gain = 5.5 dBi Internal Antenna Type
- Max. power with turn-up tolerance = 25.00 dBm = 316.3 mW

$S = P G / (4 R^2 \pi)$, 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

= 0.223269 mW/cm^2

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

The limit for maximum permissible exposure = 1.000000 mW/cm^2

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Maximum Permissible Exposure(MPE) evaluation

January 23, 2026

- Band = BRS
- Transmitting frequency = 2496 MHz ~ 2690 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

$S = P G / (4 R^2 \pi)$, 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

= 0.622966 mW/cm^2

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

The limit for maximum permissible exposure = 1.000000 mW/cm^2

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