RF Exposure Calculator

Parameters

• Power at Antenna: 50 (watts)
Mode duty cycle:
For all others, or if unknown, assume worst case scenario (duty cycle=100%) 🗸
Transmit duty cycle: (time transmitting)
You transmit for 1 \checkmark minutes then receive for 1 \checkmark minutes (and repeat).
Antenna Gain (dBi): 2.15
• Operating Frequency (MHz): 28
✓ Include Effects of Ground Reflections This calculator should not be used for antennas that are less than 20 cm (8 in) from a person.
Results for a controlled environment:
Maximum Allowed Power Density (mW/cm ²): 1.1480
Minimum Compliance Distance (feet): 2.7990
Minimum Compliance Distance (meters): 0.8531
For an uncontrolled environment:
Maximum Allowed Power Density (mW/cm ²): 0.2296
Minimum Compliance Distance (feet): 6.2588
Minimum Compliance Distance (meters): 1.9077

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