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 minutes then receive for 1 minutes (and repeat).
- Antenna Gain (dBi): 2.15
- Operating Frequency (MHz): 14

☑ 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): 4.5918
Minimum Compliance Distance (feet): 1.3995
Minimum Compliance Distance (meters): 0.4266

For an uncontrolled environment:

Maximum Allowed Power Density (mW/cm^2): 0.9184
Minimum Compliance Distance (feet): 3.1294
Minimum Compliance Distance (meters): 0.9538

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