RF Exposure Calculator

Parameters

• Power at Antenna: 100 (watts)
Mode duty cycle:
Conversational SSB, heavy speech processing (duty cycle=50%)
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): 14.250
✓ 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): 4.4321
Minimum Compliance Distance (feet): 1.4245
Minimum Compliance Distance (meters): 0.4342
For an uncontrolled environment:
Maximum Allowed Power Density (mW/cm ²): 0.8864
Minimum Compliance Distance (feet): 3.1853
Minimum Compliance Distance (meters): 0.9709

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