RF Exposure Calculator 12/6/21, 3:35 PM

RF Exposure Calculator

Parameters

• Power at Antenna: 100 (watts)
Mode duty cycle:
Conversational CW (duty cycle=40%)
• Transmit duty cycle: (time transmitting)
You transmit for 5 minutes then receive for 1 minutes (and repeat).
Antenna Gain (dBi): 2
• Operating Frequency (MHz): 29
✓ Include Effects of Ground Reflections
Results for a controlled environment:
Maximum Allowed Power Density (mw/cm ²): 1.0702
Minimum Safe Distance (feet): 3.2902
Minimum Safe Distance (meters): 1.0028
For an uncontrolled environment:
Maximum Allowed Power Density (mw/cm ²): 0.2140
Minimum Safe Distance (feet): 7.3570
Minimum Safe Distance (meters): 2.2424

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