



Minimum Safe Distance From Antennas

Based upon FCC OET Bulletin 65 and other FCC Sources

INPUT DATA

| | |
|--------------------|--------|
| Frequency MHz | 869 |
| Pout Watts | 0.0195 |
| Duty Cycle Percent | 100.0% |
| Ant. Gain dBi | 3.00 |
| Coax Loss dB | 0.00 |

RESULTS OF CALCULATIONS

| | |
|---------------------------|--------|
| Min. Distance Inches | 0.91 |
| Min. Distance Centimeters | 2.31 |
| ERP (Watts) | 0.0237 |
| EIRP (Watts) | 0.0389 |

REFERENCE DATA

| | |
|--|--------|
| Antenna Gain (non-log) | 2.00 |
| Coax loss (non-log) | 1.00 |
| Calculated limit (mw/cm ²) | 0.58 |
| FCC Limit (mw/cm ²) | f/1500 |

NOTES:

- (1) Valid only between 300 MHz - 100,000 MHz
- (2) Calculations are sufficient for determining antenna safe distance for mobile antennas provided that calculated ERP < 1.5 watts for frequencies equal to or below 1.5 GHz, and calculated ERP < 3 watts for frequencies above 1.5 GHz.
- (3) Mobile antenna distances shall be no less than 8 inches.
- (4) There are no predefined ERP and distance limitations for fixed outside (building) antennas (see #5).
- (5) Indoor building antenna criteria is the same as the criteria for mobile antennas (see #2 & #3).

SUMMARY FOR PUBLICATION

| | |
|-----------------------------|--|
| For Amplifier Model Number: | 271240 |
| Frequency Band (MHz) | 800 |
| Mobile or Building? | Mobile & Building |
| Outside or Inside Antenna? | Inside |
| Antenna Type: | Self-contained antenna, Ultra-slim, Cradle Plus, or any antenna whose gain does not exceed 3 dBi |
| Safe Distance (inches): | 8 |
| Signature: | |
| Date: | 2/29/2008 |