

Minimum Safe Distance to Antennas

Based upon FCC OET Bulletin 65 and other FCC Sources

INPUT DATA

Frequency MHz	896
Pout Watts	1.0000
Duty Cycle Percent	33.3%
Ant. Gain dBi	6.12
Coax Loss dB	4.00

RESULTS

Min. Distance Inches	3.35
Min. Distance Centimeters	8.50
ERP (Watts)	0.3308
EIRP (Watts)	0.5426

REFERENCE DATA

Antenna Gain(non-log)	4.09
Coax loss (non-log)	0.40
Calculated limit (mw/cm ²)	0.60
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 devices provided that calculated ERP < 1.5 watts for frequencies equal to or below 1.5GHz, and ERP < 3 watts for frequencies above 1.5 GHz.
- (3) Mobile antenna distances shall be no less than 8 inches.
- (4) No predefined distance limitations for fixed outside (building) equipment (see #5).
- (5) Indoor building antenna criteria is same as for mobile antennas.

SUMMARY

For Amplifier Model Number:	2B4310
Mobile or Building?	Mobile
Outside/Inside Antenna?	Outside
Antenna Type:	Magnet-Mount 900 MHz
Safe Distance (inches):	8
Signature:	
Date:	1/3/2008