Minimum Safe Distance to Antennas
Based upon FCC OET Bulletin 65 and other FCC Sources

INPUT DATA

Frequency MHz	1850
Pout Watts	1.0000
Duty Cycle Percent	100.0%
Ant. Gain dBi	6.12
Coax Loss dB	6.70

RESULTS

Min. Distance Inches	3.29
Min. Distance Centimeters	8.34
ERP (Watts)	0.5335
EIRP (Watts)	0.8750

REFERENCE DATA

Antenna Gain(non-log)	4.09
Coax loss (non-log)	0.21
Calculated limit (mw/cm2)	1.00
FCC Limit (mw/cm2)	1.00

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 1900 MHz
Safe Distance (inches):	8
Signature:	
Date:	1/3/2008