Minimum Safe Distance From Antennas

Based upon FCC OET Bulletin 65 and other FCC Sources

INPUT DATA

Frequency MHz	824
Pout Watts	1.41300
Duty Cycle Percent	100.0%
Ant. Gain dBi	5.12
Coax Loss dB	2.72

RESULTS OF CALCULATIONS

Min. Distance Inches	7.43
Min. Distance Centimeters	18.86
ERP (Watts)	1.4973
EIRP (Watts)	2.4555

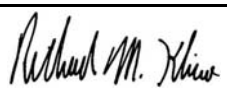
REFERENCE DATA

Pout dBm	31.50
FCC Limit (mw/cm^2)	f/1500
Calculated limit (mw/cm^2)	0.55

NOTES:

(1) Valid only between 300 MHz - 100,000 MHz.
(2) Calculations are sufficient for determining antenna safe distance for mobile antennas and fixed inside 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 and fixed indoor antenna distances shall be no less than 8 inches.
(4) There are no predefined ERP and distance limitations for fixed outside (building) antennas.
(5) Mobile/portable stations are limited to 2 watts EIRP peak power in the 1900 MHz band (FCC rules §24.232[c]).

SUMMARY FOR PUBLICATION

For Amplifier Model Number:	2B1225
Frequency Band (MHz)	800 MHz
Mobile or Fixed?	Mobile and Fixed
Outside or Inside Antenna?	Outside
Antenna Type:	Any antenna whose gain less cable loss does not exceed 2.4 dBi.
Safe Distance (inches):	8 Inches
Signature:	
Date:	January 31, 2011