



## Minimum Safe Distance From Antennas

Based upon FCC OET Bulletin 65 and other FCC Sources

### INPUT DATA

Frequency MHz	851
Pout Watts	0.49100
Duty Cycle Percent	100.0%
Ant. Gain dBi	6.90
Coax Loss dB	0.00
Evaluation Distance From Antenna In cm	20.0

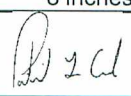
### RESULTS OF CALCULATIONS

Ant. Gain less Coax Loss dBi	6.90
Evaluation Distance From Antenna In Inches	7.87
ERP (Watts)	1.4664
EIRP (Watts)	2.4048
FCC Limit at Above Frequency (mw/cm <sup>2</sup> )	0.57
Calculated Power Density With Above Input Data (mw/cm <sup>2</sup> )	0.48

### REFERENCE DATA

Pout dBm	26.91
Antenna Gain (non-log)	4.90
Coax loss (non-log)	1.00
General FCC Limit (mw/cm <sup>2</sup> )	f/1500

### SUMMARY FOR PUBLICATION

For Amplifier Model Number:	274080
Frequency Band (MHz)	851 - 869 MHz (Downlink)
Mobile or Fixed?	Fixed
Outside or Inside Antenna?	Inside
Antenna Type:	Any antenna whose gain less cable loss does not exceed 6.9 dBi
Safe Distance (inches):	8 inches
Signature:	
Date:	April 10, 2012



## Minimum Safe Distance From Antennas

Based upon FCC OET Bulletin 65 and other FCC Sources

### INPUT DATA

Frequency MHz	806
Pout Watts	3.02000
Duty Cycle Percent	100.0%
Ant. Gain dBi	15.00
Coax Loss dB	0.00
Evaluation Distance From Antenna In cm	120.0

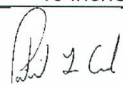
### RESULTS OF CALCULATIONS

Ant. Gain less Coax Loss dBi	15.00
Evaluation Distance From Antenna In Inches	47.24
ERP (Watts)	58.2322
EIRP (Watts)	95.5008
FCC Limit at Above Frequency (mw/cm <sup>2</sup> )	0.54
Calculated Power Density With Above Input Data (mw/cm <sup>2</sup> )	0.53

### REFERENCE DATA

Pout dBm	34.80
Antenna Gain (non-log)	31.62
Coax loss (non-log)	1.00
General FCC Limit (mw/cm <sup>2</sup> )	f/1500

### SUMMARY FOR PUBLICATION

For Amplifier Model Number:	274080
Frequency Band (MHz)	806 - 824 MHz (Uplink)
Mobile or Fixed?	Fixed
Outside or Inside Antenna?	Outside
Antenna Type:	Any antenna whose gain less cable loss does not exceed 15 dBi
Safe Distance (inches):	48 inches
Signature:	
Date:	April 10, 2012