



# RF Exposure Report

Maximum Possible Exposure based on FCC OET Bulletin 65

**FCC ID:** NK73100176

**Band:** 850 MHz

**Type:** Occupational/Controlled. Authorized use by trained professionals only.

**Description:** Cellular Transceiver System connected to magnetic mount omni-directional antenna (Laird TRAB806/17103) positioned on a vehicle roof. Antenna is connected with a 10 ft coax cable.

**Date:** July 20, 2010

## Input Data

Frequency at mid-band	881.5	MHz
Pout to Antenna	0.347	Watts
Antenna Gain	0.0	dBi
Antenna Gain	1.00	(non-log)
Distance to Antenna Center	20	cm

## Results of Calculations

Power Density Calculated	0.0690	mW/cm <sup>2</sup>
FCC Limit Occupational	2.94 (f/300)	mW/cm <sup>2</sup>
FCC Limit General Public	0.59 (f/1500)	mW/cm <sup>2</sup>

## Reference Data

Duty Cycle	100	%
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## Notes:

- 1) Cable loss for standard 10 ft coax cable is included in Antenna Gain calculation.
- 2) Valid only between 300 MHz - 100,000 MHz.
- 3) 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.