

# RF Exposure Report

## Maximum Possible Exposure based on FCC OET Bulletin 65

**FCC ID:** NK73226316

**Band:** 2100 MHz

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

**Description:** Cellular Transceiver System connected to magnetic mount omni-directional antenna (Laird TRA6927M3NB-001) positioned on a vehicle roof. Antenna is connected with a 10 ft coax cable.

**Date:** July 25, 2013

### Input Data

Frequency	2132.5	MHz
Pout to Antenna	0.003	Watts
Antenna Gain	4.6	dBi
Antenna Gain	2.88	(non-log)
Distance to Antenna Center	20	cm

### Results of Calculations

Power Density Calculated	0.0015	mW/cm <sup>2</sup>
FCC Limit Occupational	5	mW/cm <sup>2</sup>
FCC Limit General Public	1	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.