

RF Exposure Report

Maximum Possible Exposure based on FCC OET Bulletin 65

FCC ID: NK73226316

Band: 700 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	742	MHz
Pout to Antenna	0.010	Watts
Antenna Gain	3.5	dBi
Antenna Gain	2.24	(non-log)
Distance to Antenna Center	20	cm

Results of Calculations

Power Density Calculated	0.0043	mW/cm ²
FCC Limit Occupational	2.47 (f/300)	mW/cm ²
FCC Limit General Public	0.49 (f/1500)	mW/cm ²

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.