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Maximum Permissible Exposure Statement

Calculations prepared for:

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Calculations prepared by:

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Model Number:	Job Link System
Fundamental Operating Frequency:	824-849 MHz 1850-1990 MHz
Measured Output Power:	800 MHz: 29.9 dBm 1800 MHz: 29.7 dBm
Maximum Antenna Gain:	800 MHz: 10.7* dBi 1800 MHz: 3.3* dBi

Power Output and Operating Frequency Information used for these calculations were from: CKC Laboratories, Test Report # FC08-054 and FC08-056

Device and Antenna Operating Configuration:
* The assumed maximum gain is derived from the mobile power limits of 22.917(a)(2) and 24.232(c).

Test Procedure:
This equipment is evaluated in accordance with the guidelines set forth in OET Guide 65.

Other Considerations:
Gain information stated as a net value including any cable losses; actual antenna gain vary depending on length of cable used. For mobile configurations, the radiated power must not exceed maximum power requirements of 22.917(a)(2) and 24.232(c). This device is designed for installation into commercial construction buildings where exposure to human subjects would be limited by both time and proximity.

MPE Calculations:

MPE Limit in accordance with 1.1310:

Occupational / Controlled Exposure
X General Population / Uncontrolled Exposure

836.5 MHz MPE Limit = F / 1500 (mW/cm^2)
= 0.557 (mW/cm^2)

1880 MHz MPE Limit = 1 (mW/cm^2)

Note: Limit is calculated based on the center of the frequency range of operation.

$$PowerDensity(mW/cm^2) = \frac{EIRP}{4\pi d^2}$$

Given: **EIRP** in *mW* and **d** in *cm*

EIRP (mW)	Distance (cm)	Power Density (mW/cm^2)	Result
11457.72	40.46	0.557	Pass
2000.00	12.62	1.000	Pass

Statement of Compliance:

This device demonstrates compliance under the operating conditions specified in this document. Under normal operating conditions, the antenna is designed to be installed in accordance with the manufacturer's instructions in such a manor to maintain the minimum separation distance. The MPE calculations shown above demonstrate compliance to the provisions of 1.1310 in accordance with the guidelines of OET 65.

As can be seen from the MPE results, this device passes the limits specified in 1.1310 at a distance of 40cm and at a output power of 7 Watts ERP under normal operating conditions.