Rhein Tech Laboratories, Inc. 360 Herndon Parkway Suite 1400 Herndon, VA 20170 http://www.rheintech.com Client: L3 Communications
Model #: FAP5010-001
Standards: FCC 15.247
FCC ID: XG8-TB100001
Report #: 2009239

Appendix A: RF Exposure Compliance

Using FCC 1.1310 Table 1B as guidance, the maximum permissible RF exposure for an uncontrolled environment is 0.61 mW/cm² for the frequencies used in this device (903.0 to 927.0 MHz). The worst case power is used for the calculation below.

The actual power density for the EUT calculated as shown below.

$$S = (P \times G)/(4 \times \pi \times d^2)$$

where:

S = power density

P = transmitter conducted power in (W)

G = antenna numeric gain

d = distance to radiation center (m)

| Frequency (MHz) | Antenna Gain | Conducted | Calculated Power | Power Density |
|-----------------|--------------|-----------|------------------|----------------|
| | (dBi) | Power (W) | Density (mW/cm²) | Limit (mW/cm²) |
| 915 | 0 | 0.014 | 0.003 | 0.61 |

Notice:

Radiation Exposure Statement

The calculated power density is well below the limit. Nonetheless, the minimum separation distance for this equipment, which is a mobile/fixed device, is 20 cm.