# RF Exposure

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| Test Report #: | **3103930** | Test Area: | | Temperature: | 20 | °C |
| Test Method: | FCC CFR47 Part 1.1310 | Test Date: | 13-Sep-2006 | Relative Humidity: | 30.2 | % |
| EUT Model #: | 10-001 | EUT Power: | 120 VAC 60 Hz | Air Pressure: | 102 | kPa |
| EUT Serial #: | | | | | | |
| Manufacturer: | Goliath Solutions | | | | | |
| EUT Description: | SpiderIII T4 -R16 System | | | | | |
| Notes: | | | | | | |

The following limit was calculated from table 1 (B) Limits for General Population/Uncontrolled
Exposure in FCC part 1.1310:

L=f/1500

Using the lowest transmit frequency from the EUT of 905MHz

L=0.603mW/cm²

The following calculation was used to determine compliance to the above limit. The calculation is from FCC OET bulletin 65.
The following assumes the gain of the antenna to be ≤1.

$S=EIRP/4\pi R^2$

Where:
S=power density (in appropriate units, e.g. mW/cm²)
R=distance to the center of radiation of the antenna (appropriate unit, e.g., cm)
In this case 20cm will be used.
EIRP=equivalent (or effective) isotropically radiated power
In this case .306mW will be used.

S=.0608 mW/cm²