Test Report Number: Issue Date:

Customer: Model:

08-0078 10 July 2008 Nivis, LLC 2.4 GHz Mod2

2 **Test and Measurements (Cont'd)**

2.19 Maximum Public Exposure to RF (MPE) CFR 15.247 (i)

The maximum exposure level to the public from the RF power of the EUT shall not exceed a power density, **S**, of 1 mW/cm² at a distance, d, of 20 cm from the EUT.

Therefore, for :

```
Peak Power (Watts) = 0.15849 (from Table 5, herein)
Gain of Transmit Antenna = 2.2 \text{ dB}_i = 1.66, numeric (from Table 3, herein)
d = Distance = 20 cm = 0.2 m
```

```
S = (PG/4\pi d^2) = EIRP/4A = 0.15849(1.66)/4*Pi*0.2*0.2
=0.263/0.503 = 0.523 \text{ w/m}^2
= (0.523 \text{W/m}^2)(1\text{m}^2/\text{W})(0.1 \text{ mW/cm}^2)
= 0.0523 \text{ mW/cm}^2
```

which is << less than 1 mW/cm²