

US Tech  
Client  
Issue Date  
Model:  
FCC ID:  
IC ID:

11-0207  
Nivis LLC  
10-06-2011  
VN310  
SQB-VN3104034R5  
65465A-VN3104034R5

### **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/cm<sup>2</sup> at a distance, d, of 20 cm from the EUT.

Therefore, for:

### **Highest Gain Antenna= 2 dBi**

Peak Power (Watts) = 0.05623 (from Table 9 of Test Report)

Gain of Transmit Antenna = 2 dBi = 1.585, numeric (from Table 4 of Test Report)

d = Distance = 20 cm = 0.2 m

$$\begin{aligned} S &= (PG / 4\pi d^2) = EIRP / 4A = 0.05623(1.585) / 4\pi * 0.2 * 0.2 \\ &= 0.0891 / 0.503 = 0.1772 \text{ W/m}^2 \\ &= (\text{W/m}^2) (1\text{m}^2/\text{W}) (0.1 \text{ mW/cm}^2) \\ &= 0.01772 \text{ mW/cm}^2 \end{aligned}$$

which is << less than 1 mW/cm<sup>2</sup>