US TECH Test Report Type: Report Number: 07-0245

Customer: Model:

FCC ID: SQB-NIVISAN0010 FCC Spread Spectrum Radio Issue Date: 27 December 2007 Nivis, LLC 2.4 GHz Ainode

## **Maximum Public Exposure to RF (MPE)** 2.16

The maximum exposure level to the public from the RF power of the RUT 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:

Peak Power (Watts) = 0.186 (from paragraph 2.6, herein) Gain of Transmit Antenna =  $5dB_1$  = 3.16 numeric (Paragraph 2.5, herein) Distance = 20 cm

$$S = (PG/4\pi d^2) = EIRP/4A$$

Where: A = The area of the circle of radius d = 20cm.

$$= 0.186x3.16 / 4x3.14 x (20)^{2} = 0.59/5026 = 0.117 \text{ mW/cm}^{2}$$

which is well below the limit.