Strix Systems, Inc.
26610 Agoura Road, Suite 110
Calabasas, CA 91302
(818) 251-1000 telephone
(818) 251-1098 facsimile www.strixsytems.com

15 April, 2005

Federal Communications Commission 7435 Oakland Mills Road Columbia, Maryland 21046

Subject: **RF Exposure Information for Strix Systems' DTS and U-NII Devices**
Gentlemen,

The Strix Access/One Network OWS 2400 contains two independent 802.11 a/b/g radios, each transmitting independently in the same or different frequency bands. The system may be configured with 2 omni-directional antennas (one for one channel of 802.11a and one for one channel of 802.11b/g with the other ports terminated) or a system with two directional 802.11a antennas for fixed point-to-point service (one for each radio) and two directional 802.11b/g antennas for fixed point-to-point service (one for each radio). The worst possible case for RF exposure will be with the highest gain antennas. Our system requires professional installation and the installation instructions require that the system be installed such that a minimum of 2meters (200cm) separates the antennas and any person and that the antennas are not to be installed in such a way to allow the beams to overlap. The maximum possible EIRP values and power densities at 2meters (200cm) in each operating band are:

Maximum Possible EIRP Power Density In Each Band
Notes: Maximum conducted power determined by during 15.247 and 15.407 compliance testing.
Pd, power density in mW/cm^2, at r=200 cm where $Pd=Pout/(4*\pi*r^2)$, Pout is EIRP in mW.

2.4 GHz ISM, 16.4dBi Sectored Antenna:
Maximum conducted power: 398 mW (26dBm)
EIRP: 26dBm + 16.4dBi= 42.4dBm
Power Density at 200cm: $0.035mW/cm^2$

5.2 GHz U-NII, 29dBi Parabolic Reflector Antenna for fixed point-to-point service:
Maximum conducted power: 158 mW (22dBm)
EIRP: 22dBm + 29dBi= 51dBm this is limited in software during installation to an EIRP of 30dBm to comply with 15.407a(2)
Power Density at 200cm: $0.002mW/cm^2$

5.8 GHz ISM, 29dBi Parabolic Reflector Antenna for fixed point-to-point service:
Maximum conducted power: 126 mW (21dBm)
EIRP: 21dBm + 29dBi= 50dBm
Power Density at 200cm: $0.2mW/cm^2$

The power density generated by the Strix Access/One Node is well below the $1mW/cm^2$ limit allowed in FCC Title 47 CFR1.1310.

Sincerely,

Leonid Kalika
Chief Operating Officer
Strix Systems, Inc.