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14 July, 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 IWS radio modules WM11Ae and WM11Ge contain either an 802.11a or an 802.11b/g radio, respectively. An IWS system may be configured with up to 2 radio modules (one WM11Ae and one WM11Ge). The installation instructions require that the system be installed such that a minimum of 20cm separates the antennas and any person. The maximum possible EIRP values and power densities at 20cm 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=20 cm where $Pd=Pout/(4*\pi*r^2)$, Pout is EIRP in mW.

2.4 GHz ISM, 4.0 dBi Omnidirectional Antenna:
Maximum conducted power: 110 mW (20.4dBm)
EIRP: 20.4dBm + 4.0dBi= 24.4dBm
Power Density at 20cm: $0.055mW/cm^2$

5.2 GHz U-NII, 5.0 dBi Omnidirectional Antenna:
Maximum conducted power: 37 mW (15.7dBm)
EIRP: 15.7dBm + 5.0dBi= 20.7dBm
Power Density at 20cm: $0.023mW/cm^2$

5.8 GHz ISM, 4.5 dBi Omnidirectional Antenna:
Maximum conducted power: 27 mW (14.4dBm)
EIRP: 14.4dBm + 4.5dBi= 18.9dBm
Power Density at 20cm: $0.015mW/cm^2$

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.