



4655 Great America Parkway
Santa Clara, California 95054
www.nortelnetworks.com

To: Mr. Tim Johnson, American TCB
From: David Waitt
Subject: FCC ID RVW2230 compliance with FCC Part 15.407 (c),(d),(e),(g)
Date: 28 Feb 2004

This letter attests to the compliance of models 2230 and 2230 INT access point to the above referenced FCC specification. If there are any questions or if additional information is required, please contact me at david@waitt.us

On behalf of Alcatel,

A handwritten signature in black ink, appearing to read "David Waitt".

David Waitt

15.407 (c) The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

Data transmission is always initiated by software, which is then pass down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets (ACKs, CTS, PSpoll, etc...) are initiated by the MAC. There are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets are being transmitted.

In addition, the product incorporates a watchdog timer. If the radio were to "lock up" the timer would reboot the radio where it would come up in the receive mode.

15.407(d) Any U-NII device that operates in the 5.15-5.25 GHz band shall use a transmitting antenna that is an integral part of the device.

There are no external antennas currently certified for use with the VAP1200. The VAP1200 is only certified for use with the antennas integral to the unit. In the future, if use of external antennas is authorized by the FCC for use with the VAP1200, the firmware will disable the 5.15 - 5.25GHz band if external antennas are selected.

15.407(e) Within the 5.15-5.25 GHz band, U-NII devices will be restricted to indoor operations to reduce any potential for harmful interference to co-channel MSS operations.

The access point is not intended for outdoor use. The manual will be modified to include a statement stating that outdoor use is not allowed. Additionally, the enclosure of the VAP is not weatherproof.

15.407(g) Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

The transmit frequency of the access point has been monitored while the device has been temperature cycled over its specified operating temperature range. Concurrently, the supply voltage was varied throughout its specified operating range. In all cases, no portion of the transmitted signal of the device drifted out of band.