



To: Mr. Tim Johnson, American TCB
From: David Waitt, Airespace
Subject: FCC ID QTZWNA1200AB compliance with FCC Part 15.407 (c),(d),(e),(g)
Date: 17 Aug 2003

This letter attests to the compliance of the VAP1200 to the below referenced FCC specifications. If there are any questions or if additional information is required, please contact me at david@waitt.us

On behalf of Airespace,

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 signalling 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 Airespace 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 Airespace VAP 1200 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 VAP1200 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 the transmit frequency of the product did not drift out of band.