



To: Mr. Tim Johnson, American TCB
From: David Waitt, Airespace
Subject: Inquiries regarding Certification application for FCC ID **QTZVAP1200B**
Date: 1 April 2003

Tim,
Below are the replies to your inquiries regarding this application. The answers are numbered corresponding to your inquiries in your letter dated 24 March 2003. If something is unclear, or if you have additional concerns, please contact me.

Best Regards,

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

David Waitt
Consultant representing Airespace

ATCB 1) Please provide a sample label for this device. The labeling exhibit did not include this.

Airespace: There was an error that occurred when converting to PDF. A new PDF file has been generated which shows the label and has been uploaded to the ATCB site.

ATCB 2) This submittal appears to contain information regarding external antennas. However, it is not certain how the external antennas connect internally to the device. Please explain and provide photographs as necessary.

Airespace: The external antennas do not connect to the device internally. The external antennas will connect to the reverse TNC connectors located on the radio and accessible from the outside of the radio. These connectors are visible on the external product photos.
When an external antenna is connected, the radio configuration (software) will have to be used in order to select the external antenna. This configuration change will switch the radio internal RF switch to connect to the external connectors.

ATCB 3) Please explain if the firmware or software of this device must be upgraded when the 802.11a card is installed. This does not appear to be addressed within the installation information.

Airespace: No. the firmware will automatically detect the presence of a card in the 'A' slot once it is installed. No firmware upgrade is required.

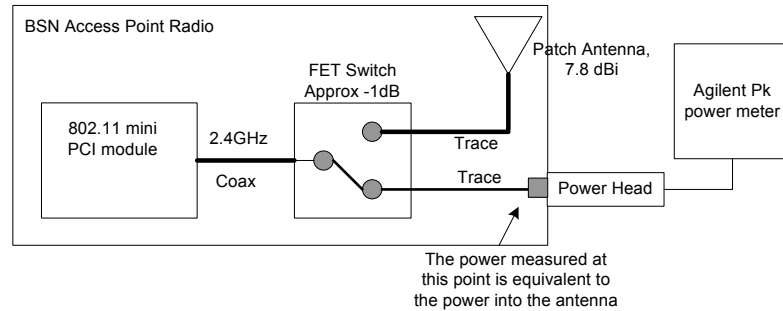
ATCB 4) Please provide a users manual for this device. This manual must include appropriate FCC statements and RF exposure information.

Airespace: The user manual was accidentally omitted from the original application. It has been uploaded to the ATCB site.

ATCB 5) The power measured shown on page 4 of the main report shows measuring at the antenna connector. However the RF exposure lists 6.8 dBi instead of 7.8 dBi gain for the antenna path which is assumed to be before the switch. Please confirm as the last application it was assumed to be measured before the switch. Please updated any exhibits affected.

Airespace:

Correct. The gain should have been 7.8 dBi in the MPE calculation, not 6.8 dBi. The MPE calculation has been re-done and uploaded to the ATCB site.



ATCB 6) The sample calculation given on page 16 of 18 of the external antenna report does not match the table. Additionally, page 17 of 18 does not show plots that it references.

Airespace: The sample calculation has been edited to show the correct values and the missing plots have been inserted into the report.

ATCB 7) The BOM contains 2 RF TX Cards. This device only contains 1 TX card. Please explain.

Airespace: The incorrect BOM was accidentally submitted with this application. The correct BOM has been uploaded to the ATCB site.

ATCB 8) Please provide a schematic for this device. The schematic provided only contained a block diagram.

Airespace: A more detailed schematic has been uploaded to the ATCB site