



To: Mr. Rich Fabina, American TCB  
From: David Waitt  
Subject: FCC: RVW2330 , IC: 332R-2330 C2PC application  
  
Date: 20 June 2007

This letter addresses your technical compliance concerns regarding the FCC / IC application for the access point radio referenced above. If there are any questions or if additional information is required, please contact me at [david@waitt.us](mailto:david@waitt.us)

On behalf of Nortel,

David Waitt

---

ATCB 1. The output power listed in the FCC and IC applications does not agree with the equipment already approved. The FCC grant lists 110 mW of output power for the 2.4 GHz band for this device while the application only lists 8 mW! The copy of the IC Certificate provided lists the output power as 61 mW and the application lists only 8 mW. Please remeasure the output power so it agrees with the already approved grants within measurement tolerances. With an output power so low, the FCC and IC would require a new authorization for the subject device.

Reply: Please note that there are many antennas authorized for use with this device. FCC and IC grants list the highest RF power allowed with the device certified, in this case that power listed corresponds to the power that would be used with an antenna of much lower gain. It is not possible to use the power listed on the grant with the highest gain antenna due to the restricted band emissions requirements at the edges of the 2.4 GHz band. Nor is it possible to use that high power on the center channel simply due to harmonic performance and the high gain antennas. Thus, the power must be reduced to the levels specified in the filing when the device is used with the high gain antennas to remain compliant.

The power level is set by the professional installer. During installation, the installer will select within the configuration software the antenna that is being installed. After this selection is made, the software will only allow a selection of power settings that ensure that the installation is compliant with that particular antenna. These settings are determined during the regulatory testing of the radio. The correlation between power setting and power level is burned into the firmware of the radio. Example, power setting 10 cannot be "assigned" a different / higher power level.

ATCB 2. Please provide a cover letter from Nortel that gives Mr. Waitt the authority to act as their agent on this application.

Reply: An authorization letter has been uploaded to the ATCB site

ATCB 3. The first table on page 25 of the test report is labeled "z" instead of the bandedge and mode being measured for compliance. Please correct this label so we can determine what these measurements represent.

Reply: The table in question is actually the bandedge data for 2390MHz. The table has been corrected and a new report uploaded to the ATCB site.