



American Telecommunications Certification Body Inc.
6731 Whittier Ave, McLean, VA 22101

June 14, 2007

RE: FCC ID: VBNEXTA-01_ATCB005032
Attention: Tom Tidwell

I have a few comments on this Application. Please note that further comments may arise in response to answers provided to the questions below.

1. Please note that as the lower and higher frequencies have to run at reduced power in order to meet spurious emissions compliance issues the installer should have this information. Since MPE and power setup is typically done at the time of installation, this is typically done in the system installation manual. Please explain how the installer is notified of the need for reduced power at the band edges. If necessary, please update the installation manual to address this issue.
2. Perhaps I have overlooked it, but the tune up procedure does not appear to address the required lower power at the low and high frequencies. Please explain and please show the tune up procedures for these lower power settings.
3. FYI - Please note that external photos are not generally given confidentiality. If in processing the application the FCC site will not allow external photos to be confidential, you will have to remove them from the request for confidentiality. As this may take additional time and delay the issuance of the grant, please consider removing the external photos from the confidentiality list.
4. Please note that it does not appear that all sides of the boards in the device have been provided. Please show the top and bottoms of all boards. Please note that this may require disassembly of the unit.
5. Please note that as this is also an application for Industry Canada, you must provide a sample label for Canada. Please provide the Industry Canada label. Please make sure that all aspects of Canadian labeling has been addressed.
6. Please provide that parts list for the transmitter. Please do not use embedded documents within a pdf for this information.
7. Please note that this appears to be a base station and as such MPE would be addressed at the time of licensing. Please note that the report also states that the antenna is specified at the time of licensing. Please explain the 5.5dBi antenna in the MPE report and why an MPE report was provided.
8. Please note that the report shows that the power at the lowest and highest frequency used must be significantly reduced to meet emissions compliance. The report also states that the low mid and high channels were tested. The significant reduction of power at the lowest and highest channels brings into question the potential non-compliance of the channel just above the lowest frequency and the channel just below the highest frequency. Was any power reduction at these channels required for compliance? Please explain how these channels were verified to be compliant at high power levels for both single and combined modes.
9. Please note that the test report states conducted antenna terminal power measurements were performed using a power meter. However, please note that the list of equipment in the report states that an analyzer was used for conducted antenna terminal measurements. Please explain and please provide information on the measuring instrumentation used to perform power measurements.
10. Please note that the plots of the occupied bandwidth show a term IFOVL in red. If this is an indication of an IF overload, please retest in using analyzer settings that do not overload the measurement device. If this is not an IF overload condition, please explain.

Dennis Ward

Dennis Ward

<mailto:dward@AmericanTCB.com>

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information may result in application termination. Correspondence should be considered part of the permanent submission and may be viewed from the Internet after a Grant of Equipment Authorization is issued.

Please do not respond to this correspondence using the email reply button. In order for your response to be processed expeditiously, you must submit your documents through the AmericanTCB.com website. Also, please note that partial responses increase processing time and should not be submitted.

Any questions about the content of this correspondence should be directed to the sender.