



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

July 1, 2003

RE: Itronix Corporation

FCC ID: KBCIX260RIM902

I have a few comments on the above referenced Application.

- 1) Please provide photographs underneath the shields of the RF Module.
- 2) Section 11.1 appears to use $43 + 10 \log (P)$. However, given that mask J was used, this should be $50 + 10 \log P$ (-20 dBm). Note that this also affects the Test plots in Appendix A. It would be best to add a note to the plots that show -13 dBm as the limit. Please correct.
- 3) Please explain why the dipole gain varied in section 10.1, even though the same frequencies were measured for each configuration.
- 4) Please provide the test photographs as a separate exhibit.
- 5) The operational description provided by RIM mentions that the device may transmit up to 902 MHz (pages 1, 5). This is not consistent with this application which has specified a frequency range of 896.0 - 901 MHz. Please explain and if necessary have RIM provide a revised operational description.
- 6) Z-axis scans do not show value of the x component. It is therefore not possible to verify the requirement that the first 2 measurements points in a zoom scan, closest to the phantom surface, should be within 1 cm of the surface.
- 7) It took a while to ascertain which side was defined as the right side and which was the left side. It is recommended that the plots that show the left side have additional notes added that explains that these plots are for the side of the laptop opposite the antenna or that this is clearly shown somewhere within the report (i.e. photographs that shows left side/right side).
- 8) Reviewing the photographs yields concerns regarding how close the antenna was located to the edge of the phantom during certain tests. However careful review of the data appears to support the fact that the test photos show the EUT as tested in the course scans. It appears that the device may have been repositioned after certain course scans in an effort to center the hot spot (i.e. review of the perpendicular antenna for back of the LCD tests). Please comment. Additionally, if this was done, are photographs available for these configurations as well?

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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.