



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

April 22, 2004

RE: Motorola, Inc.  
FCC ID: ACQWPS870G

I have a few comments on the above referenced Application.

General Requirements

- 1) The application, label, and FRN number appear to match Motorola, however, Grantee code "ACQ" is listed under General Instrument Corp. Please explain. It appears the incorrect Grantee code may be given. Attached is a list of valid Motorola Grantee codes on the following page.
- 2) Please provide additional top and bottom photographs of the RF card with the vinyl and shields removed.
- 3) Will all the "copper tape" seen in the internal photographs be integrated into all production models? Please explain how the modifications will be implemented into manufactured units such that the modifications will be equivalent to the ones shown. Please note that if the manufactured units will be implemented differently than the modifications shown, then a Permissive Change (Class 1 or 2 depending on the results obtained from the data) should be performed on a production equivalent unit to account for these changes.
- 4) For mobile devices, please note that the FCC no longer desires that the safe distance be calculated in the RF exposure exhibit if the safe distance is < 20 cm, but instead prefers the power density results to be calculated at 20 cm and compared to the power density limit.
- 5) Additionally, please provide RF exposure calculations for the highest output power (16.33 dBm).
- 6) The schematics do not include the RF mini-PCI card. Note that a schematic for the TX portion of the device is required as specified 2.1033(b)(5) for the RF section. Please provide either a schematic for the mini-PCI card or as an alternative, you may provide a parts list that lists that shows that this part is provided by another manufacturer. Please provide either a schematic or parts list as specified. If necessary, please update the confidentiality letter to include the parts list.
- 7) Please explain the difference between the data on pages 60 & 61. They appear to be for the same modulation.
- 8) For the data on page 60 and 61, the data appears to only be taken at the bandedge. Note that the maximum power in the restricted band (which does not always occur at the bandedge, but further into the restricted band) is expected to be measured. Please comment.
- 9) It can not be determined if the device contains an antenna connector or not. If so, it must be compliant to 15.203. Please explain.

A handwritten signature in black ink, appearing to read "Timothy R. Johnson".

Timothy R. Johnson  
Examining Engineer

[mailto: tjohnson@AmericanTCB.com](mailto:tjohnson@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.