



# Washington Laboratories, Ltd.

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April 14, 2006

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

RE: Comments of April 10, 2006  
APPLICATION: HP9RD11440 Symbol Technologies, Inc.

Dear Mr. Ward:

Below are the comments that you have provided regarding the application for certification referenced above. Our responses to those comments are in ***bold italic***. Many responses refer you to additional exhibit(s) which has been uploaded to the application folder at the ATCB website.

Thank you for your attention. Please feel free to contact us for any additional information that you may require.

Regards,

*Gregory M. Snyder*  
Chief EMC Engineer, Wireless/Telco Services Manager

*Brian J. Dettling*  
Documentation Specialist

WLL Project: 9081

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1) Please note that the operational description states that the 'roofing filter' is 'set' to the appropriate pass band according to region. The operational description also states that appropriate attenuation is selected to sufficiently attenuate to meet regulations. This appears to be part of the tune up procedure for the specific region. However, nothing appears to be mentioned in the tune up procedure about this. Please explain where this is done and how it is controlled if not done during the tune up of the device.

***R. The exhibit "RD11440 Operational Description revised" addresses this question.***

2) Page 1 of the internal photo exhibit shows a 'mini-PCI' type slot. The schematics indicate that the transmitter module contains the same type connector. It is therefore unclear if the transmitter is on a PCI card plugged into the mother board, or if the transmitter is on one of the larger mother boards. If the transmitter is on a separate card plugged into this mini-PCI slot, then it does not appear that internal photos of the actual transmitter have been provided. Please clearly identify the transmitter portion on the

internal photos. Please explain what this slot is used for and if it is active in this particular application. If not active, please explain how it is disabled.

***R. The PCI slot is located on the digital board. It is not in use in this device. The transmitter portion is the adjacent mother board.***

3) Please note that the MPE power stated is about 7.9 W. The 731 states 19.23W. Please note that as this device is a mobile device and as the antenna(s) can be easily removed, the grant power will be the conducted power delivered to the antenna terminals. Please make all associated power levels consistent throughout the documentation.

***R. The exhibit "RD11440 Application Form- 731 revised" has been corrected to show the conducted output power.***

4) Please provide a manual that contains the appropriate rf exposure information and separation distance as mentioned in the MPE report.

***R. The exhibit "RD11440 User Manual - QRG revised" contains the corrected separation distance as referenced in the MPE report.***

5) Please explain the table on page 11 of the report. The values listed do not appear to coincide with ERP measurement requirements of TIA603. Please note that the listed conducted power added to the 6dBi gain antenna as shown in the table is not the required method for determining ERP. Please provide actual ERP data performed using the antenna substitution method as required in accordance with TIA603.

***R. The power reported in the 731 is the conducted power measured at the antenna terminals. The Table 3 of the test report lists this measured output power. The other data in the table is provided for information only as the 6dBi antenna is the antenna recommended for use by Symbol. The test report has been revised to better clarify this.***

6) Please note that radiated spurious emissions for part 90 devices is an ERP measurement. Please note that the data in the radiated spurious emissions table (page 29 of the pdf document) is listed in EIRP. While the device appears to be compliant, please provide proper measurement units in the report.

***R. Please see exhibit "RD11440 Test Report revised". Table 5 has been corrected to the ERP levels.***