



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

July 24, 2003

RE: FCC ID: Q9R-5100

Attention: Arnie Rowe

I have a few comments on this Application.

1. Please clearly identify the rf transmitter section on the photos. The photos are not clear enough to make a sure determination of the rf circuitry. -
2. Please provide a block diagram of the transmitter section. The block diagram of the system is inconclusive in evaluation of the intentional radiator. -
3. Please verify if the sole purpose of the intentional radiator portion of this device is to read/recognize RFID tags. -
4. The documentation states that the device senses the hand piece to determine if it supports cutter recognition. It then states that the RFID section searches for a tag. It appears that the 'tag' is located in the 'cutter' which is inserted into the hand piece. And that the RFID transceiver recognizes the particular cutter tag. Is this correct? -
5. Please note that the test method on page 25 of the report states a conducted range of 450kHz to 309 MHz was done. The plots however, show testing from 150kHz to 30MHz. Please change the test measurement note on page 25 to reflect the actual frequencies tested. -
6. Please note that in the measurement result tables for conducted emissions, you have a column labeled "transd dB". However, this factor does not appear to have been included in the results. Please explain what this column represents and why it was not included. Is it to be added or subtracted to the reading? -
7. Please note that many of the frequency ranges listed in your table of equipment are incorrect (see pages 22 and 23 of the report). For example you state that the LISNs used are from 10MHz to 30MHz, the loop frequency range also appears incorrect. Please correct the frequency ranges listed to reflect the actual range of the test equipment used. -
8. Please clearly identify the antenna in the schematics. -
9. FYI – no action needed. The non-modification statement does not have to be placed on the product but only in the manual. While you may leave this statement on the product if you wish, it does not need to be there. -
10. Please note that the manual does not appear to contain the 15.105 statements concerning interference. Please include this required statement in the manual -

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.