



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

July 8, 2003

RE: Telex Communications, Inc.

FCC ID: B5DCPE200MW (???)

After a review of the submitted information, I have a few comments on the above referenced Application.

- 1) Please comment on the antenna. Is this antenna considered to be phased-array or steered-beam antenna? If so, please provide further detailed information regarding the antenna, gain, etc. Please note that if the device does contain either of these, we have been requested to consult the FCC before issuing the grant and may require more detailed information.
- 2) The 731 form shows the FCC ID as B5DCPE200MW, while the labeling shows B5D-CPE200MW. Please confirm the correct FCC ID and correct all affected exhibits.
- 3) Please provide an RF exposure exhibit for this device.
- 4) Please provide a Users Manual Exhibit. This must include all appropriate FCC statements and RF exposure information.
- 5) Please provide test photographs for the radiated tests as a separate exhibit.
- 6) Section 4.3 of the test report states testing to 15.209 but that the TX was not active. Please note that 15.209 is applied only during TX mode of operation, while 15.109 is applied during RX or idle conditions. Please correct the test report as necessary.
- 7) AC conducted emissions must be shown for both Phase and Neutral conductors. Please provide the missing information.
- 8) It is uncertain what the plots found on pages 10-12 of the test report are showing compliance to. Please explain.
- 9) Please confirm that this device will only be sold with the PCMCIA Card specified in this application.
- 10) The device does not appear to have been tested at the lowest and highest available channels (2412 & 2462 MHz) as given on the 731 form and required by 15.31. If these channels are not to be used in the end device, please provide information regarding the lowest and highest TX channels. Additionally, please note that the end user must not be capable of setting channels not approved within this application. Please explain how this is accomplished in the final device (reference 15.15(b)).
- 11) Please provide information regarding the RBW and VBW settings used for all radiated measurements.
- 12) Several of the limits do not appear to be correctly applied. For instance, measurements made in the 4.5 GHz to 5.15 GHz range should have a limit of 54 dBuV/m for AVG and 74 dBuV/m for Peak since they fall in a restricted band of operation. This range on page 13 & 14 does not appear to be correctly shown and it appears to exceed the limits for several measurements.
- 13) Please provide detailed information (including plots) to show compliance in the restricted bands at the band edges (2310-2390 and 2483.5-2500 MHz) to the 54 and 75 dBuV/m limits.
- 14) Even though this device uses a previously approved TX, all applications must be complete and stand on their own. Please note that compliance of the power, 6 dB bandwidth, power spectral density, etc. has not been provide. Please provide this additional test data. Please see that additional attachment which explains appropriate test methods.

Timothy R. Johnson
Examining Engineer

Direct Phone: 404-414-8071
[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.

July 8, 2003

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.