



American Telecommunications Certification Body Inc.

6731 Whittier Ave, McLean, VA 22101

September 8, 2005

RE: Miltel Communications Ltd.

FCC ID: MLLGLXPT2

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

- 1) The operational description mentions other components of the system. The concentrator appears to only be verified according to information in the operational description. Does this device contain a transmitter? Does it contain a RX. Note that if it contains a RX it would be subject to Certification or DoC as desired by the manufacturer. Please explain.
- 2) Please explain the limit of 118.2 on page 9 of the report.
- 3) Please verify your power results. From your tables I believe you corrected for the dBi of the antenna which would give the results in EIRP, not ERP. If I interpret your results correction, I believe the results would be 14.52 dBm ERP or 16.67 dBm EIRP. However is the correction in the table actually for dBi and not dBd. Please review. Note this may affect information given in the theory of operation, chapter 3 of the users manual, and elsewhere in the test report (page 6, etc.). Please review. Compare sections 7.3.4.5 and 7.1.3.4. Notice the difference between dBi and dBd.
- 4) Please explain the limit of -17.83 dBm on page 22. It was thought the limit is -20 dBm....Note that technically -20 dBm does not apply to 90.217. If the limit is based upon the 30 dB requirement of 90.217, then shouldn't this limit vary for low, middle, and high channels. Please explain.
- 5) Please explain why the wide-span plots on page 33 appear to show much higher results than the independent measurement of each harmonic shown later on the following pages.
- 6) FYI....The table in 7.4.2 appears to assume a center frequency of 450 MHz, while the actual frequency appears to be 450.00625 MHz. A similar problem appears for the high frequency reported (470 assumed vs. 469.99375 MHz). Compliance can still be seen from the table provided however it would be best to report proper results.
- 7) Please provide calculations to support emissions designator.



Examining Engineer

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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.