



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

August 13, 2004

RE: Fujitsu Ten Limited

FCC ID: BAB27000297

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

- 1) Is a photograph of the PCB layout Photo-2 (RF-unit solder-side ) available without the metal "bar" across the board?
- 2) It appears that only part of the RF schematics may have been provided. Please explain and/or provide as necessary.
- 3)
- 4) Please provide an appropriate labeling exhibit for this device.
- 5) According to the mm wave procedures, the EWB should be based on the 26 dB bandwidth, not 20 dB. Please provide the proper EWB. Note that the application mentions several modulations, including FM and CW. What is the worse case EWB for each modulation, especially CW. First impressions is that the EBW is close to 110 MHz. Is this actually the EWB?
- 6) It appears that the emissions were not adjusted by 10 log (EWB/RBW). Please correct or explain why this was not necessary.
- 7) Mobile RF exposure information was calculated for safe distance. Note that the FCC is not interested in should be calculated for 20 cm distance, not safe distance.
- 8) None of the plots appear to be labeled. Plot 5.6 is referenced as if showing both FM and CW. No such plot appears to be provided. Please explain.
- 9) Plot 5.6 is referenced as if showing both FM and CW. No such plot appears to be provided. Please explain.
- 10) It appears that the Peak to Average Ratio given in 6.1 is based upon the 2/3 TX On/Off time. How does the CW modulation affect this calculation in 6.1.
- 11) Regarding the duty cycle, is there circuitry to determine if there is a mechanical problem with the positioner of the device. For instance, if the positioner stops working, what will be the duty cycle?
- 12) Page 14 mentions Class A limits. Class A does not appears to be relevant. Additionally, please explain the test distance associated with "Digital Device Emissions".
- 13) Please explain the derivation of dBm/cm<sup>2</sup> to uW/cm<sup>2</sup>. and dBuV/m to dBm/cm<sup>2</sup>.

IC Issues

- 14) The application form specifies P0N on the 731 and PQN on the IC form. Please justify or correct as necessary.

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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.