

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

May 15, 2001

RE: Matric Unlimited
FCC ID: K5B-TB105

I have the following observations on this application.

- 1.) The Block Diagram is a little bit anemic on details. It does not fit the description as outlined in 2.1033(b)(5).
- 2.) This device appears larger than the palm of the hand, therefore it must have the two-part label statement as found in 15.19(a)(3) on the exterior of the device in addition to the FCC ID. Please address with your client.
- 3.) The manual states that custom labels can be created for many different applications. Please show how this is compliance with 2.925(d) 2.925(d)(1) and 2.925(d)(2)
- 4.) The manual lists eight channels from 903.37 to 921.37. This range must be shown on the 731.
- 5.) Since the operating frequency range is in excess of 10 MHz, the number of operating frequencies tested must comply with 15.31(m).
- 6.) Please provide radiated emissions data to the 10th harmonic on all three channels. Be cautious of the restricted band emission limits of 15.205.
- 7.) Please provide an occupied bandwidth plot with RBW set to 1% of the 20dB BW.
- 8.) The product description says both digital and analog information can be transmitted. Please provide a worst-case occupied bandwidth for each.
- 9.) Please provide details on the RF module identified in the schematic as MOD1 [TXM-900-HP-11]. A specification sheet would suffice.



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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.