



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

May 10, 2002

RE: IDAFAB Engineering

FCC ID: P63SALO010

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

- 1) It does not appear that confidentiality was requested on any exhibits. Please confirm that this is NOT requested for any exhibits.
- 2) The test report states the frequency range is 260-470 (page 5 of 27). The frequency range listed here and on the 731 should be the actual tuning or transmission range of the TX. If 315 MHz is the only operational frequency, please adjust both the 731 and test report from "260-470" to "315" MHz.
- 3) Please provide a block diagram of the TX that includes the frequencies as specified in CFR 2.1033(a)(5).
- 4) Please confirm that this device was positioned in 3 orthogonal planes to obtain worse case results.
- 5) Please provide plots showing that the duty cycle is repeats approximately every 60 msec as stated by the operational description.
- 6) For the table on page 14 of 27, please explain which type of detector was used to obtain the original meter reading (Peak, QP, Average) and the associated bandwidth settings used.
- 7) Please explain the difference between the 315 MHz data listed on page 14 and 15.
- 8) The 5<sup>th</sup> harmonic on page 15 of 27 appears to be taken with an average detector according to the table. The RBW and VBW settings state they are 1 MHz, while page 13 of 27 states that RBW = 1 MHz and the VBW = 3MHz. Please clarify the actual settings used. Please note that for OOK type devices measurements should be made with a peak detector (for > 1 GHz, this is defined as RBW=VBW=1MHz) and corrected by the duty cycle for comparison to the average limits. There is not actually an average measurement.
- 9) FYI, This application only covers the transmitter. The receiver portion of this system must be approved using a DoC or a separate application for certification.
- 10) FYI, For future applications, please include an separate exhibit that only shows the test photographs.

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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.