

# American Telecommunications Certification Body Inc.

6731 Whittier Ave, McLean, VA 22101

June 12, 2001

RE: Multi-Tech System, Inc.  
FCC ID: AU790U01E04510

I have reviewed the Application and have the following comments.

- 1.) Please confirm that only one antenna type will be used with this device. If possible identify with manufacturer and part / model number.
- 2.) Is the RF safety warning in the manual? If so, please identify where it is located. These instructions must be readily available to users and installers alike. It would be valuable to have it listed in the Table of Contents and Index.
- 3.) The Form 731 and test report identify this as a 63mW (+18dBm) device. However, Section 3.1 of your test report identifies it as a +13dBm device. Which is correct?
- 4.) Your integration technique for measurement of RF Pout is sound, but if possible I would appreciate a comparison with a broadband power meter.
- 5.) Is there any way to condense the three part Test Report from it's current size to a single document under 4 MB? I tried to do so as a courtesy using Acrobat Distiller, but the documents were write protected and I was unable to shrink them.
- 6.) Maximum antenna gain listed in the manual is 2dBi max. The value used in RF exposure report is 1dBi. Which is correct?

The following conditions will appear on the Grant:

- "The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance."



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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.