



American Telecommunications Certification Body Inc.

6731 Whittier Ave, McLean, VA 22101

July 10, 2002

RE: FCC ID: J69CB550

Attention: Denise Godfrey / Tom Tidwell

I have a few comments on this Application.

- 1 What is the purpose of this device and where is it expected to be used? xx
- 2 No Internal photos were provided with the application. Please provide the internal photographs. xx
- 3 The theory of operation states that when multiple buttons are pressed the device transmits separate codes for each button pressed. How does the device prevent the successive transmissions of each button from exceeding the maximum transmit time under 15.231? xx
- 4 When measuring the occupied bandwidth of a Part 15 device ANSI C63.4 states, "the 6dB resolution bandwidth of the measuring instrument shall be set to a value greater than 5% of the bandwidth requirements." The allowable/specified maximum bandwidth of a 303MHz 15.231 transmitter is approximately 750kHz. This means that the RBW should be set to 37.5kHz. Typically it is OK to reduce this to the allowed bandwidth in the chart in ANSI C63.4 (i.e. 10kHz). The test report used a RBW of 1 kHz to measure the Occupied bandwidth. While the device will most likely comply with the bandwidth restrictions, this measurement is incorrect. Please provide a plot using a RBW that is consistent with ANSI C63.4 paragraph 13.1.7 (Occupied bandwidth measurements).
- 5 ANSI C63.4 requires the use of calibrated equipment. According to your calibration chart, the analyzer 1464 was out of cal during the test. While intervals on some equipment may be longer than one year, you provide no evidence that this is the case with the analyzer. Please retest using equipment that is within calibration interval dates.

Dennis Ward

<mailto:dward@AmericanTCB.com>

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.