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

September 30, 2002

RE: Savi Technology

FCC ID: KL7-600MR-V3

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

1) The users manual should include the information specified in 15.19(a)(3) according to 15.19(a)(5).
2) The FCC Label does not contain the proper FCC ID. Please correct.
3) The schematics show an oscillator of 5.0 MHz for the microcontroller. According to the block diagram for this model this should be 4.9152 MHz. Please provide the proper schematics.
4) Please explain why the data for the low frequency TX that was used (page 9 of 10 and 4 of 13) was the older test data and not the higher levels that were obtained for the most recent test date?
5) The EUT voltage listed for the general Part 15 Radiated emissions (page 5 of 22) states 230 V / 50 Hz. Please note that the FCC requires testing at the rated voltage in the U.S. for this product (120 V / 60 Hz.
6) Multiple places in the report (page 6 of 17, 8 of 17, 2 of 22 to name but a few) state that the data & control signals were tested again 15.231(e). However the data shows that they were tested against the 15.231(a). Please correct this inconsistency throughout the report.
7) It appears that the data/control signals measured were higher than the wakeup signal. Was this expected since the reports states that the wakeup signals was to meet 15.231(a), while the data/control was to meet 15.231(e) - see above?
8) The theory of operation provided information with respect to meeting the requirements of 15.231(a) & 15.231(e). In specific please address the following concerns:
    a) The information is somewhat ambiguous in relation to the hello and sleep transmission. The information supplied shows that this does transmission does not last longer than 5 seconds. However, does this 5 second limitation always exist, no matter how many tags respond (given that only a certain number of responses will occur in the 5 second window? Please explain
    b) Please give an explanation on how long tags usually take to respond given the anti-collision algorithm. Also, what is the anticipated time that the EUT takes between the wake up command and "hello/sleep" transmissions.
    c) Earlier versions of the EUT also had additional type of transmissions in the case that some tags do not respond. Please explain if this device has this and if so, please provide detail on this transmission classification, plots, etc.
9) FYI, The data on page 19, 20 & 22 of 22 of the UHF report applied the general limits of 15.209 at some frequencies where the limits of 15.231 could have been applied instead (2603 and 3038 MHz).
10) FYI, The correction factor on Note 2, page 21 of 22 was not filled in.

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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.