

RE: Savi Technology  
FCC ID: KL7-600SP-V2

*1) Photographs may not be held confidential based only upon on the basis of trade secrets. Please remove this justification from the letter of confidentiality or provide a better justification. As an alternative, you may use a black marker to "black out" the top of any readable components and provide new internal photographs. Please provide comments with respect to this issue.*

The photographs do not have to be held confidential. The confidentiality letter has been updated and uploaded to the ATCB website under the filename *Confidentiality Letter (Revised)*

*2) Please supply a clearer exhibit for the label.*

A new label drawing has been uploaded to ATCB under the filename Label (Revised)

*3) The product documentation (users manual) refers to 2 different model signposts, each with different antennas (internal vs. external). Please confirm that this application is only for the model with external antenna.*

The application is only for the model tested. The other model, with internal antenna has yet to be tested. The data may be submitted for a Class 2 permissive change or as a new device. This has still to be determined.

*4) Please correct the test summary on page 4 of 13 (for radiated interference field strength) to match the test data obtained.*

The summary is correct. The worst-case level (highest reading with respect to the 15.209 limit) for emissions below 30MHz was the harmonic at 22 MHz (22,631 kHz). This signal was 7.3dB below the limit. The fundamental signal was 21dB below the 15.209 limit.

*5) All testing was performed with the antenna positioned in the horizontal axis only. Please comment on if the unit is ever expected to be installed in the vertical axis.*

The antenna may be installed in a vertical axis. Preliminary testing was performed that showed the levels to be higher with the antenna lying horizontally than when the antenna was oriented vertically. Final tests were, therefore, performed with the antenna horizontal.

6) Please explain derivation of the limit and/or frequencies used for Run #2, Page 6 of 10.

The limit is taken directly from 15.209 and is for a test distance of 30m. Extrapolation of the data from the test distance of 3m to the specification distance of 30m was made using a 40 Log (3/30) correction factor as detailed in the FCC's rules for measurements below 30 MHz.

The extrapolation factor for the fundamental signal was calculated from three measurements at 5m, 10m and 20m. The lowest factor was used to determine the expected field strength at a distance of 300m.

All emissions are at high order harmonics of the fundamental and were radiating from the attached cables. Signals at the lower order harmonics were not observed.

Hopefully this answers all of your questions. Please contact me via [doc@elliottlabs.com](mailto:doc@elliottlabs.com) if you require more information.

Regards,



Mark Briggs  
Director of Engineering