To: Joe Dichoso
Joe.Dichoso@fcc.gov
FCC Equipment Authorization Branch
From: Rod Thorne, Savi Technology

Re: FCC ID: KL7-65XSP-V2

Applicant: Savi Technology Inc
Correspondence Reference Number: 21793
731 Confirmation Number: TC138909
Date of Original Email: 07/21/2005

Subject: FCC Equipment Authorization System

Dear Mr. Dichoso:
In response to your request, we are pleased to submit as a separate exhibit a set of diagrams as a supplement to the Theory of Operation illustrating the several modes of operation compliant with Sections 15.231(a) and 15.231(e). We respectfully request that these diagrams be treated under our Request for Confidentiality.

In addition, we would like to affirm the following operational behavior in compliance with the appropriate sections of the regulation:

(1.)   The device transmits bursts of commands under 15.231(a) and data transmissions under 15.231(e).

(2.) With regard to command transmission bursts under 15.231(a), all command transmissions bursts are less than 5 seconds and are independently triggered. For example, the "wake up / hello" and the "find tag" commands that each total less than 5 seconds are initiated by the user or by an external trigger such as a vehicle proximity sensor, and subsequent tag/write commands that total less than 5 seconds are separately triggered by the random tag responses. The random tag responses cause subsequent command transmissions to occur at random intervals.

(3.) With regard to the data transmission bursts under 15.231(e), the entire burst varies from 330 msec to 1000 msec with each burst followed by a silent period from 10 seconds to 30 seconds as appropriate. The silent period is 30 times the duration but is never less than 10 seconds. In no case does another transmission, either another data transmission or a command transmission, occur during the silent period.

We trust that this information will clarify the issues under discussion. Please do not hesitate to contact me if any additional questions arise.

Yours truly,

Rod Thorne
VP, Hardware Engineering
Savi Technology