

July 20, 2008

RE: ATCB006507 – Original Equipment/Single Certification

FCC ID: DE4-3301T & IC: 2998A-3301T for Lamson & Sessions

The following is in response to the comments made on the above referenced application.

1. A. Meyer is listed as the contact person for Lamson & Sessions on the FCC Grantee Code Database for Grantee Code DE4. As such, he is the authorized person to sign the FCC agency letter for Lamson & Sessions. Unfortunately Mark Roesch has signed this letter giving Val Liepa power of attorney on this application. Please provide either a letter signed by A. Meyer giving Mark Roesch the authority to sign the agency letter for Lamson & Sessions on this application or submit a new agency letter signed by A. Meyer. Alternatively you can have the FCC Database changed to list Mark Roesch as the contact person for Lamson & Sessions. For help changing the contact person for Lamson & Sessions, you may contact Ms. Marianne Bosley of ATCB by email at Marianne@atcb.com.

The FCC Database has been updated to reflect Mark Roesch as the Lamson & Sessions contact.

2. The FCC ID label for this device is located on the battery compartment cover. The FCC does not allow location of the ID label on a cover that is removable without tools. Slip on-and-off or snap on-and-off covers get broken or lost and when they do the FCC ID is lost too. Please provide another location for the FCC ID label for this device.

The FCC ID label is now proposed on the interior plastic surface near the PCB, and meets the requirements of the FCC's new labeling guidelines. An updated labeling exhibit has been provided for your review.

3. Please provide an internal photo of the top of the PCB with the potting material (black dot) removed to show the components underneath it. Page 3 of 4 of the internal photo exhibit (close-up top view of PCB) shows a black dot of material covering components underneath it.

The “black dot” covers a silicon integrated circuit, and its removal is equivalent to removing the IC packaging. The black dot and the silicon integrated circuit it covers are a single digital component.

4. Please provide a copy of the installation and operating instructions to be furnished the user of this device in accordance with Section 2.1033(b)(3) of the FCC Rules. This is not a product that is sold to OEM installers like a garage door opener or car security alarm so the partial manual provided is not acceptable.

The user's manual for this product is not yet complete, and a revised draft has been uploaded for your review. Per FCC correspondence (see attached) a draft statement detailing the information that will be included in the manual is sufficient. The manufacturer is willing to supply the actual manual once it has been completed.

5. The second plot of the duty cycle plots on page 8 of 14 of the test report seems to indicate that the middle of each word contains a center (wide) pulse that is on continuously during a 100 millisecond

interval. The third plot on this page also implies this. Please show the interval/duty cycle of this pulse during a 100 millisecond window to validate the duty cycle calculations.

The middle dataset has a pulse width of 150 microseconds and period of 1.125 ms (as reported). When viewed on the spectrum analyzer in a long timebase, the spectrum analyzer's peak detection algorithm displays only the largest sample measured in each extended sample bin, making the plot appear continuous. When observed in a proper timebase, see figure 6.1(c), the modulation is evident.

6. Please Note - The frequency band 225-399.9 MHz is allocated for Government of Canada usage. There are different types of operations in different parts of this band of frequencies, including communications with aircraft and operations using high power transmitters. Besides avoiding the frequency bands of Table 1 of RSS-210 Issue 7, designers of low-power devices are strongly recommended to avoid wherever possible the entire 225 – 399.9 MHz band.



Joseph Brunett <jdbrunett@gmail.com>

Response to Inquiry to FCC (Tracking Number 629757)

Generic Office of Engineering Technology <oetech@fccsun27w.fcc.gov>

Fri, May 4, 2007 at 1:59
PM

To: jdbrunett@gmail.com

Inquiry:

---Reply from Customer on 05/01/2007---

To clarify, you imply that detailing all necessary regulatory statements to be included in the users manual is insufficient, and more information is required for certification. Is this correct?

Response:

You only need a draft copy of the user's installation and operating instructions before application pending a detailed copy that will be sent to FCC afterwards. If your "necessary regulatory statements" include at least a scanty description of the user's installation and operating instruction, then you are good to go.

Thanks

Do not reply to this message. Please select the [Reply to an Inquiry Response](#) link from the OET Inquiry System to add any additional information pertaining to this inquiry.
