

**From:** Kirby Munroe [kmunroe@acstestlab.com]

**Sent:** Friday, December 09, 2005 4:42 PM

**To:** tei@timcoengr.com

**Subject:** SUBJECT: LXE, INC. - FCC ID: KDZLXEMX7P1, REFERENCE: JOB 2406UC5

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REFERENCE: JOB 2406UC5

The following is a response to the request for additional information for the above referenced job number.

1. SAR: Part 15 test report, section 1.2.1, and user's manual refer to two versions of this handheld with 55 key-keypad vs. 32key. Which version was tested for SAR and EMC? No rational was found in the reports as to the compliance of these two versions.

**Response:** The 55key-keppad was tested for both EMC and SAR. The MX7 keypad consists of patterns of gold traces on the CPU circuit board, and carbon pills on the keypad elastomer. When a key is pressed the carbon pill contacts the gold traces on the CPU board and is sensed by the system. The MX7 design uses a single CPU board for both the 32 and 55 key versions. The only difference between the two versions is the keypad elastomer that is installed into the system. This sharing of the same CPU board for both versions is accomplished by very creative placement of the keypad contacts (gold traces) on the CPU board such that both keypad elastomers have contacts for all their keys. The result of this design is that a single electrical design is able to handle both keypads.

2. Sections 7.6.3.1 and 7.6.3.3: 7.6.3.1 explains that the Avg is calculated from the Peak value. However, 7.6.3.3-1 table shows a larger difference between the avg and pk value. Please explain or revise. If the avg. was measured, please specify the measurement settings and the EUT test mode (e.g. EUT modified for continuous transmission, TDD or pulsed modulation disable, etc.)

**Response:** Average measurements were performed with the EUT modified for continuous transmission. The measurement settings consisted of a 1MHz RBW and 10Hz VBW. A revised test report has been uploaded to the Timco website with the above referenced sections corrected.

3. Duty cycle 7.6.3.2: Please justify in more details the 30ms on time (e.g. TDD, communication protocol, etc.). Please provide analysis or plot to justify duty cycle.

**Response:** The duty cycle was determined to be 12% worst case for this device. A detailed analysis of the duty cycle has been uploaded to the Timco website as well as a revised test report with the above referenced sections corrected. The 30ms on time was provided by the third party radio manufacturer and found not to be accurate for the application of this device.

4. Ext. photo: Please provide a photo of the AC/DC adapter.

**Response:** A revised external photograph exhibit has been uploaded to the Timco website to include photos of the AC/DC adaptor.

5. Typo section 7.6.1.2-1: The title should be for 802.11g. Do not send a new report, just update your copy.

**Response:** A revised test report has been uploaded to the Timco website with the above referenced sections corrected.

Best Regards,  
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