

scott

To: kyle@celectronics.com
Cc: mike@celectronics.com
Subject: FCC ID: SJH-LEAKFINDERRT

Mr. Fujimoto,

In order for processing of this application (FCC ID: SJH-LEAKFINDERRT) to continue, the following issue(s) will have to be addressed:

- 1) The test report states that ANSI C63.4: 2001 was used as the test procedure. As of September 7th of this year, the 2003 version of the standard is in effect. Please indicate whether all tests were in accordance with the new document.
- 2) The loop antenna used for the testing appears to not be within its calibration cycle. Please explain.
- 3) For the fundamental emission, please indicate the detector functions used for the measurement equipment.
- 4) Does the device transmit while it is connected to the AC mains? If so, please indicate whether conducted emissions tests were performed with the transmit signal active, and indicate whether the device complies with section 15.31(e) of the rules.
- 5) Please provide evidence that the device complies with the band edges at 902 and 928 MHz.
- 6) What type of modulation does the device utilize? Also indicate whether the average readings were calculated or measured, and explain in detail the methods used.
- 7) Parts 3 and 7 of the user's manual indicate that the signal level is automatically adjusted by the transmitter. Please indicate whether this is in reference to the input signal to the device, or the intentionally transmitted signal out of the device.

The item(s) indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 60 days of the original e-mail date may result in application dismissal and forfeiture of the filing fee. Also, please note that partial responses increase processing time and should not be submitted. Please upload responses and/or exhibits to the electronic filing website. Your correspondence number is P2E3TPMW2-1.

If you have any questions, feel free to contact me.

Best Regards,

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Best regards,

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Correspondence by Project

Project Number:

Correspondence Number	Memo
P2E3TPMW2-1	<p>1. The test report has been revised to say ANSI C63.4: 2003. This procedure was used, just not reflected in the original test report.</p> <p>2. The test report had the wrong loop antenna in the equipment list. The test report has been revised to show the correct antenna used.</p> <p>3. A peak detector was used -- The data sheet has been revised to note this.</p> <p>4. The AC Adapter is ONLY used to charge the EUT. The EUT does NOT transmit in charging mode. Please note that in transmit mode -- a sensor would be plugged into that port instead of an AC Adapter.</p> <p>5. Attached is the bandwidth for the low channel. The middle and high channels also had the same bandwidth. Also, at 902 MHz and 928 MHz it was verified that no emission was found. Note that the emissions is gone before you get to 902 MHz.</p> <p>6. The device uses FSK modulation -- This means that the average readings were measured -- The exhibit uploaded will explain in detail the measurement used.</p> <p>7. The signal level refers to the input signal. The output of the transmitter cannot be adjusted unless the attenuation pad between the RF output and antenna is changed,</p>

**which cannot be done unless
somebody opens the unit and and re-
solders the resistors.**

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