California Eastern Laboratories

Date: April 16, 2014
To: CEL MeshConnect Module Customers
Subject: ZBP20140416A +20dBm Mini Modules - Firmware Update Notification

This Product Change Notification is to inform CEL customers that a firmware change will be made to the following part numbers:

- ZICM357SP2-1 and ZICM357SP2-1C
- ZICM357SP2-2 and ZICM357SP2-2C
- ZICM3588SP2-1 and ZICM3588SP2-1C

This change will take effect no sooner than 90 days from the date of this notification.

What is changing?

Firmware changes will ensure the module is able to transmit in busy RF environments.

What does this mean to CEL Customers?

Hardware

- No changes to the modules foot-print or pin-outs
- No changes to the customer's system hardware
- No changes to the modules performance

Software

- **No changes to the customer's software are required.** In the Ember CIB manufacturing tokens pre-programmed by CEL, the token "TOKEN_MFG_CCA_THRESHOLD" is being changed to 0xFEC0. This will change the effective CCA threshold from -86dBm to -75dBm for customers using EmberZNet 4.7 and greater, which is the value recommended by Silicon Labs and will prevent the module from not being able to transmit in a busy RF environment.

Certification

- No changes to the certifications of these modules

If you have any inquiries, please contact your CEL sales representative.
Thank you for your business,

CEL Product Marketing and Quality Assurance
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