

CC2630 and CC2650 SimpleLink™ Wireless MCU Errata

32-kHz RC Oscillator Not Working

Description RCOSC_LF (32.768 kHz) may from time to time produce glitches. The most common symptom when using RCOSC_LF as low frequency clock source is that the RTC is advanced or delayed by one SCLK_LF period. However, there may be other consequences such as system lock-up, potentially leading to an erroneous digital state and unpredicted behavior.

Suggested Workaround Use XOSC_LF as low-frequency clock source (32.768-kHz crystal is required).

Affected Devices The issue has been fixed in a minor update of the silicon, which means that production lots newer than the affected lots listed below can safely use the RCOSC_LF.

The following devices/production lots are affected by this issue:

- CC2630F128RSM: All lots marked with revision "A", "B", or "C"
- CC2630F128RHB: All lots marked with revision "A", "B", or "C"
- CC2630F128RGZ: All lots marked with revision "A", "B", or "C"
- CC2650F128RSM: All lots marked with revision "A", "B", or "C"
- CC2650F128RHB: All lots marked with revision "A", "B", or "C"
- CC2650F128RGZ: All lots marked with revision "A", "B", or "C"

Identifying Lot or Revision Standard stickers mark the shipping boxes and plastic reels. [Figure 1](#) shows the revision outlined in red.



Figure 1. Lot Information

Revision History

Revision	Date	Description
SWRZ058B	August 2016	Updated with silicon fix and affected lots
SWRZ058A	December 2015	Changed devices covered to CC2630 and CC2650
SWRZ058*	February 2015	Initial release

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