



191004641 Si4464 B1B/B1C EZRadioPRO Transceivers Freq Range 479-640 MHz not Supported

PCN Issue Date: 10/4/2019

Effective Date: 1/9/2020

PCN Type: Errata

Description of Change

Silicon Labs announces an errata concerning Si4464 RevB1B/B1C EZRadioPRO transceivers. Please see below for more details.

Reason for Change

Center band frequencies 479-640 MHz is not supported.

Impact on Form, Fit, Function, Quality, Reliability

There is no change to form, fit, quality or reliability. Function is impacted as described below:

Using the radio at a center frequency in the 470-639 MHz band requires the use of the divide by 6 output divider (DIV6) of the synthesizer. The divider is selected by setting the BAND field of the MODEM_CLKGEN_BAND property to 1. Depending on runtime conditions, such as supply voltage, DIV6 can go into a failure state and stay there until it is reset by restarting RX state.

In the failure state, the receiver cannot receive. Restarting the receive state (by using START_RX API command) can recover the receiver, but it can get halted again after running for some time. As a result, the 470-639 MHz band cannot be used. This affects only the Si4464-B1B.

For the 470-479MHz band, the DIV8 divider can be used alternatively. For details see the frequency control section in the data sheet. No workaround exists for the 479-639 MHz band.

There is no change to form, fit, quality or reliability.

Product Identification

Si4060-B1B-FM
Si4460-B1B-FM
Si4461-B1B-FM
Si4063-B1B-FM
Si4463-B1B-FM
Si4362-B1B-FM
Si4438-B1C-FM
Si4464-B1B-FM

Last Date of Unchanged Product: 1/9/2020

Qualification Samples

NA

Customer Response

Lack of acknowledgment of the PCN within 30 days constitutes acceptance of the change, Ref. JEDEC-J-STD-046.

To request further data or inquire about this notification, please contact your Silicon Labs sales representative. A list of Silicon Labs sales representatives is available at <http://www.silabs.com>.

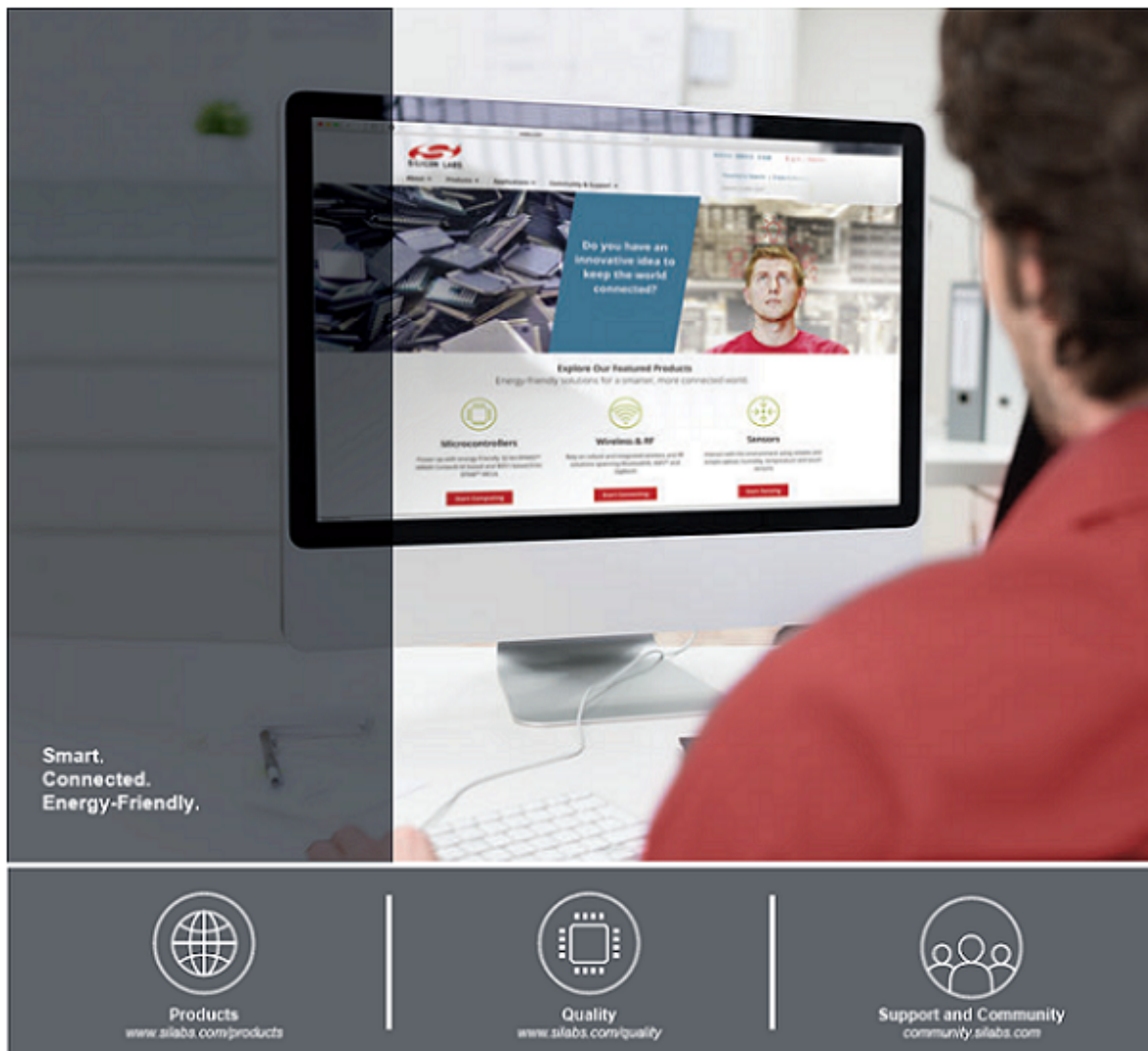
Customers may approve early PCN acceptance by emailing approval, along with PCN # to PCNEarlyAcceptance@silabs.com

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Qualification Data

NA



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