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Digi XBee 3 Cellular LTE-M/NB-IoT Global Regulatory Firmware Release Notes

Digi XBee 3 Cellular LTE-M/NB-IoT Global REGULATORY FIRMWARE

Version F141C (December, 2023)

INTRODUCTION

These are the release notes for Digi XBee 3 Cellular LTE-M/NB-IoT Global REGULATORY FIRMWARE.

This firmware is intended to be used for regulatory compliance testing.

This firmware has a restricted set of features. Only features required for testing and updating the XBee are available.

This firmware is provided for regulatory and emissions testing only and must not be used in production devices. Use of this firmware beyond regulatory testing is not authorized or supported, and will void the products warranty.

SUPPORTED PRODUCTS

- [Digi XBee 3 Cellular LTE-M/NB-IoT Global](#)

KNOWN ISSUES

N/A

UPDATE CONSIDERATIONS

This firmware is used for regulatory testing, but can still be updated to and from through XCTU or Digi Remote Manager.

UPDATE BEST PRACTICES

Digi recommends the following best practices:

1. Only deploy this firmware on module designated for regulatory or in-house testing.

Digi recommends Digi Remote Manager for automated device updates. For more information, go to <https://www.digi.com/products/iot-platform/digi-remote-manager>.

If you prefer manually updating one device at a time, follow these steps:

1. [Update to latest firmware from XCTU](#)

TECHNICAL SUPPORT

Get the help you need via our Technical Support team and online resources. Digi offers multiple support levels and professional services to meet your needs. All Digi customers have access to product documentation, firmware, drivers, knowledge base and peer-to-peer support forums.

Visit us at <https://www.digi.com/support> to find out more.

CHANGE LOG

F141C (December, 2023)

This is a recommended release.

NEW FEATURES

- Updated BLE DTM to the 5.4 specification. Note that the specification did change the commands relating to setting the transmit power and selecting the constant unmodulated tone as a packet type. Existing test setups should adapt to the new specification.

BUG FIXES

- Fixed an issue with BLE DTM where the TX power would not change for an unmodulated carrier and PN9 packet type. [XBCELL-8269, XBCELL-9722]
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F141A (September, 2022)

This is a recommended release. This firmware is for regulatory testing only (NOT FOR PRODUCTION).

BUG FIXES

1. Fixed reliability issue with the regulatory testing commands including the AT%5 (start modulated transmit) and AT%6 (stop modulated transmit) commands. [XBCELL-7126]
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F1417 (November, 2020)

This is a recommended release. This firmware is for regulatory testing only (NOT FOR PRODUCTION).

NEW FEATURES

NA

BUG FIXES

1. Fixed an issue where the module would enter an invalid state if an attempt was made to start a test prior to entering test mode.
 2. Fixed inconsistent mapping of certain EARFCN channel values.
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F1416 (September 18, 2020)

This firmware is for regulatory testing only (NOT FOR PRODUCTION).

FEATURES

- Added access to the Bluetooth DTM protocol on the primary UART when configured (ATAP=0).
 - Added commands to perform Cellular regulatory tests (AT%#, AT%1..%D). See documentation for more information.
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*Release Notes Part Number: 93001342