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

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

Version F1621 (March, 2026)

INTRODUCTION

These are the release notes for Digi XBee 3 Global LTE-M/NB-IoT 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 Global LTE-M/NB-IoT](#)

KNOWN ISSUES

1. N/A

CELLULAR MODEM HARDWARE COMPATIBILITY

This firmware release (F1621) adds support for Telit ME310 cellular module modem firmware versions 37.00.xx8 and later. These newer modem firmware versions implement the Secure Boot feature with hardware anti-rollback protection. As a result, XBee devices upgraded to modem firmware 37.00.xx8 cannot downgrade to modem firmware 37.00.xx5 or older.

Installing XBee firmware F1621 sets **AT%C** to 4, which prohibits subsequent installation of XBee firmware F1620 and older. This prevents downgrading the XBee firmware to versions that do not support the newer modem firmware, thereby preventing the modem firmware from becoming out of sync with the XBee firmware.

IMPORTANT: FOTA downgrade from modem firmware 37.00.xx8 to 37.00.xx5 (or older) is forbidden by the modem's Secure Boot feature and will result in the module becoming stuck. Ensure you are ready to commit to modem firmware 37.00.xx8 before upgrading.

You can check the **AT%C** value; XBee modules with **AT%C** = 4 can only run XBee firmware version F1621 or newer.

UPDATE BEST PRACTICES

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

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

F1621 (March, 2026)

This is a recommended release.

NEW FEATURES

1. Support for Telit ME310 cellular module modem firmware versions 37.00.xx8 and later.

BUG FIXES

- Fixed problems with modulated transmit and receive commands. Fixed an issue where it was possible to get the modem stuck in testmode. [XBCELL-10417]
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F161C (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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F161A (September, 2022)

This is a recommended release.

BUG FIXES

1. AT%H and AT%I commands to set/read the channel mapping did not work properly. [XBCELL-7450]
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F1618 (September 7, 2021)

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

NEW FEATURES

- Allows access to the Bluetooth DTM protocol on the primary UART when configured (ATAP=0).
 - Provides commands to perform Cellular regulatory tests (AT%#, AT%1..%D). See documentation for more information.
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