



Utilizing Test Code for XBee Product Integration

Document Information	
Document Ref:	XBee Module Test Code Instructions
Document Version:	1.3
Date:	8/11/2020

Contents [KB1]

Overview	2
Obtaining test modules.....	2
Obtaining test code for installation on your existing XBee® radio	3
Obtaining or enabling test mode on newer XBee3® models.....	3
XBee3® cellular radios.....	3



DIGI INTERNATIONAL
9350 Excelsior Blvd, Suite 700
Hopkins, MN 55343
952-912-3444 / 877-912-3444
www.digi.com

Overview

Completing regulatory testing is an important step in wireless product deployment.

The XBee module is already certified as a wireless device in many countries and carries the appropriate labels and [Digi Certifications](#).

The host product manufacturer is responsible to ensure that when your product operates as intended it does not have any electronic emissions present that are excessive or out of compliance. It should not be necessary for the host installer to re-test all of the available transmitter modes or settings of the XBee module.

When integrating the module into a final application, additional testing may be needed or required to complete your product. To accommodate these testing scenarios, Digi can provide test code that will transmit a modulated (continuous test data) or un-modulated (tone) signal for in house testing purposes. The host manufacturer should address the interpretation of FCC requirements and recommendations with an FCC-certified test lab.

For more information regarding FCC requirements:

[FCC Modular Integration Page](#)

[FCC Modular Integration Guide](#)

Obtaining test modules

XBee modules can be provided to you with pre-loaded test code. These new modules must first be shipped to Digi where we will load the test code and return the modules to you with operating instructions. An NDA required.

The part number for ordering or requesting a quote for this service is:

DG-PSTC-RF

Contact Digi International for further information.

Eligible Modules:

[Digi XBee Wi-Fi](#)

[Digi XBee SX 900](#)

[Digi XBee SX 868](#)

[Digi XTend 900 MHz](#)

[Digi XBee-PRO XSC](#)



Obtaining test code for installation on your [\[KB2\]](#) existing XBee® radio

With specific XBee radios, the test code can be sent electronically under a non-disclosure agreement (NDA) directly to your certified testing facility. Instructions will be provided for installing and operating the test code.

Cost:

No charge if sent under NDA directly to your test house.

Eligible modules:

[Digi XBee-PRO 900HP](#)

[Digi XBee Zigbee\(S2C, S1\)](#)

[Digi XBee 802.15.4 \(S2C, S1\)](#)

[Digi XBee DigiMesh 2.4 \(S2C, S1\)](#)

Obtaining or enabling test mode on newer XBee3® models

The newer Digi XBee3 radios can run in test mode after executing a specific set of commands that are built into the firmware. Instructions will be provided. An NDA is required to receive the command and instructions.

Cost:

No charge under NDA

[\[KB3\]](#)

Eligible Modules:

[Digi XBee 3 Zigbee 3](#)

[Digi XBee 3 802.15.4](#)

[Digi XBee 3 DigiMesh 2.4](#)

XBee3® cellular radios

The test modes of the XBee3 Cellular radios can be executed with commands sent directly to the cellular chipset on the radio using USB direct communication. Contact Digi for the instructions in using these commands at tech.support@Digi.com

You can reference the radios respective product manual and section for using USB Direct Mode.

[Digi XBee 3 Cellular LTE-M/NB-IoT \(u-blox SARA-R410M-02B\)](#)

[Digi XBee 3 Cellular LTE Cat 1 \(Telit LE866A1-NA \(AT&T\), LE866-SV1 \(Verizon\)\)](#)