

Date: February 23, 2024

# To Whom It May Concern

## Subject: Product Variants Attestation

### Applicant: Digi International Inc FCC ID: MCQ-XB9XR

Dear Sir/Madam:

Digi attests that there will be five variants listed in the filing for the XBee XR 900, Model: XB9XR, under FCC ID: MCQ-XB9XR.

The variants to be included in the family listed are:

PN	Description
XB-9XR-DMCS-001	XBee XR 900 MHz DigiMesh, Chip Antenna, Surface Mount
XB-9XR-DMUS-001	XBee XR 900 MHz DigiMesh, U.FL, Surface Mount
XB-9XR-DMUT-001	XBee XR 900 MHz DigiMesh, U.FL, Through Hole
XB-9XR-DMST-001	XBee XR 900 MHz DigiMesh, SMA, Through Hole
XB-9XR-DMUM-001	XBee XR 900 MHz DigiMesh U.FL Antenna, MMT

Details are provided in the following pages.

Regards

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Paul Dahl Sr. Manager of Engineering Digi International Inc.



XB-9XR-DMUM-001 XBee XR 900 MHz DigiMesh U.FL Antenna, MMT	XBee 900XR. Micro surface mount form factor, U.FL connector for RF output, 19 dBm.
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RF IC: EFR32FG13P231F512GM48

same RF match including BALUNS, inductors, Capacitors, filters, LNA

RF output to U.FL connector

Photograph





XB-9XR-DMUS-001	XBee XR 900 MHz DigiMesh, U.FL, Surface Mount	XBee 900XR. Surface mount form factor, U.FL on the micro mount for RF output, 19 dBm
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RF IC: EFR32FG13P231F512GM48

same RF match including BALUNS, inductors, Capacitors, filters, LNA

This product is a surface mount carrier with a production tested radio module mounted. The mounted module has the U.FL connector. There is no RF routed by trace on the carrier board. Photograph





XB-9XR-DMUT-001	XBee XR 900 MHz DigiMesh, U.FL, Through Hole	XBee 900XR. Through hole pins form factor, U.FL for RF output, 19 dBm
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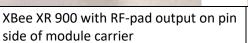
RF IC: EFR32FG13P231F512GM48

same RF match including BALUNS, inductors, Capacitors, filters, LNA

This product is a through hole carrier with a production tested radio module mounted. The RF routed by trace on the carrier board to a U.FL connector on the reverse side of the carrier.

Photographs







U.FL on reverse side of carrier



XB-9XR-DMST-001	XBee XR 900 MHz DigiMesh, SMA, Through Hole	XBee 900XR. Through hole pins form factor, RP-SMA for RF output, 19 dBm
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RF IC: EFR32FG13P231F512GM48

same RF match including BALUNS, inductors, Capacitors, filters, LNA

This product is a through hole carrier with a production tested radio module mounted. The RF routed by trace on the carrier board to a RP-SMA connector on the reverse side of the carrier.

## Photographs



XBee XR 900 with RF-pad output on pin side of module carrier



RP-SMA on reverse side of carrier



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

XB-9XR-DMCS-001	XBee XR 900 MHz DigiMesh, Chip Antenna, Surface Mount	XBee 900XR. Surface mount form
		factor, Ceramic chip antenna for RF
		output, 19 dBm

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RF IC: EFR32FG13P231F512GM48

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same RF match including BALUNS, inductors, Capacitors, filters, LNA

This product is a surface mount carrier with a production tested radio module mounted. The RF routed by trace on the carrier board to a ceramic chip antenna with a matching network.

#### Photographs

