



DIGI INTERNATIONAL
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www.digi.com

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

Paul Dahl
Sr. Manager of Engineering
Digi International Inc.



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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.

RF IC: EFR32FG13P231F512GM48

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

RF output to U.FL connector

Photograph





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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

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







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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
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		
		
XBee XR 900 with RF-pad output on pin side of module carrier	U.FL on reverse side of carrier	



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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
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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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

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 RF routed by
trace on the carrier board to a ceramic chip antenna with a matching network.

Photographs

