



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.





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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



Matching Network Antenna

XB-9XR-DMCS-001