

FCC Application Cover Letter



11/27/2024

Dear Application Examiner:

Digi International Inc.

XBLR

MQC-XBLR

is seeking regulatory approval from the FCC for original certification of the Digi XBee LR module. The Digi XBee LR (model: XBLR) radio is a wireless communications module that OEMs can easily incorporate into end-node sensor products – enabling the LoRaWAN protocol for device-to-cloud connectivity.

The radio follows IEEE 802.15.4 specifications, using LoRaWAN Protocol Version 1.0.4 for its networking layer. The device has a max transmission power of 22 dBm. The radio can communicate serially with other devices through a UART interface.

We are seeking to certify the device under the following rule parts: 15.247, 15.212. These parts allow for devices to be certified for operations with the 902-928 MHz band, and for a modular grant to ease integration into larger devices by users.