

MODULAR APPROVAL LETTER



11/27/2024

Dear Application Examiner:

Digi International Inc.

XBLR

MQC-XBLR

is seeking modular approval. The radio meets the requirements for modular approval as detailed in FCC 15.212. Compliance to each of the requirements is described below:

Item	FCC 15.212 Requirement	Y/N	Comments
1	The radio elements of the modular transmitter must have their own shielding.	Y	All relevant radio elements are under a rectangular shield seen on the top of the device.
2	The modular transmitter must have buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with part 15 requirements under conditions of excessive data rates or over-modulation.	Y	Data sent to the device for transmit is buffered through a software stack that determines whether or not to transmit based on the operating region and past transmit operations.
3	The modular transmitter must have its own power supply regulation.	Y	The microcontroller and radio combination IC includes a regulator to regulate incoming power which is then used by the radio.
4	The modular transmitter must comply with the antenna and transmission system requirements of §§ 15.203, 15.204(b) and 15.204(c).	Y	The supplied antenna is designed to be detachable with a U.FL connector, so not all antennas readily compatible. The device regulatory compliance was evaluated using the highest gain antenna for each type to be certified.
5	The modular transmitter must be tested in a stand-alone configuration, <i>i.e.</i> , the module must not be inside another device during testing for compliance with part 15 requirements.	Y	The module was tested in a stand-alone configuration.
6	The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.	Y	The module will ship with a label affixed to the shield on top of the device to display its FCC ID number.
7	The modular transmitter must comply with any specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements.	Y	The device user manual includes instructions to explain any regulatory requirements. The device complies with rules that apply to a complete transmitter.
8	The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	Y	The device user manual includes instructions to explain any regulatory requirements with regards to the requirements to RF exposure so that users know how to deploy the product such that it complies with the grant.

Please contact me if you have additional questions. Your attention to this matter is greatly appreciated.

Best regards,

A handwritten signature in black ink, appearing to read "Daniel Kobylarz", with a stylized flourish at the end.

Daniel Kobylarz
VP Engineering
Digi International Inc.