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Date: April 1st, 2019

To Whom It May Concern

Subject: Description of changes to device

Applicant: Digi International Inc.
FCC ID: MCQ-XBEE3

To Whom It May Concern:

This Class II Permissive Change adds the integration of the XBee3 module into a portable host, namely the "XBee3 USB Adapter". SAR testing was not required, due to output power restrictions on this portable device. This new portable host will have its output power limited, and will have a maximum conducted output power of 6.4mW when using the 802.15.4 physical layer, and 6.44mW when using Bluetooth Low Energy. No other portable application is supported by this action.

Also added in this change, an additional antenna (31000019-01) to the approved antennas list. The new antenna is a PCB trace dipole antenna that has a maximum gain of 0.87dBi. Additional radio testing was undertaken to ensure compliance with this new antenna.

Finally, original certifications for the XBee3 included the use of channels 2402MHz and 2480MHz for Bluetooth Low Energy at the 2Mbits/s data rate. We declare that XBee3 module will not use those two channels at the 2Mbits/s data rate when using Bluetooth Low Energy. This is because these are advertising channels which will never use the 2Mbit/s data rate.

Regards,

Daniel Kobylarz

Director of Engineering