Compliance with 47 CFR 15.247(i)

> *“Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines. See § 1.1307(b)(1) of this chapter.”*

The EUT is a USB dongle that contains a Zigbee transceiver. It can be considered a portable transmitter per 47 CFR 2.1093 because it can be connected to a notebook computer that is placed in the user’s lap. This configuration may place the remote within 20cm of the user’s torso. The antenna is internal to the unit and permanently attached. The antenna is a monopole ceramic chip antenna with 2.0 dBi of gain. The maximum peak conducted output power is 2.12 mW.

The maximum peak radiated power is 3.36 mW eirp for FCC ID: Y38TE1002. The transmit frequency is 2405 to 2480MHz, therefore the EUT does not require routine SAR evaluation because it falls below the low power threshold of 60/f(GHz)mW. Please see this excerpt from KDB 447498D01 Mobile Portable RF Exposure v04, item 2)(a)(i):

> *"a device may be used in portable exposure conditions with no restrictions on host platforms when either the source-based time-averaged output power is <=60/f(GHz)mW or all measured 1-g SAR are <0.4W.kg."*

The applicant’s wireless radio, FCC ID: Y38TE1002, is compliant with the requirements of FCC 15.247(i).