

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 Q HOST is a USB dongle transceiver that is used to communicate between a personal pc and various Qwizdom products. The Q HOST contains a 2.4GHz Direct Sequence Spread Spectrum transceiver that operates in the 2400-2483.5MHz band. It can be considered a portable transmitter per 47 CFR 2.1093(b). The antenna is internal to the unit and has a +2.1 dBi gain. The maximum peak conducted output power is 0.92811 mW.

The maximum peak power is 1.5 mW (EIRP) for FCC ID: SJB-QHOST. The transmit frequency band is 2400 to 2483.5 MHz, therefore the EUT does not require routine SAR evaluation per “TCB Exclusions List”, footnote 3 (dated July 17, 2002, recently revised). See below:

The exposure category is “General Population.” The distance is < 2.5 cm. Therefore the “Low Threshold” is 24.5 mW (EIRP) – above which routine SAR evaluation would be required. Since the maximum peak power of the EUT is 1.5 mW (EIRP), routine SAR evaluation is not required.

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