

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 Archer Field PC includes a BC04 Bluetooth transceiver that operates in the 2400-2483.5MHz band. The Bluetooth transceiver functions in the Bluetooth EDR modes: GFSK, pi/4-DQPSK, and 8DPSK. It can be considered a portable transmitter per 47 CFR 2.1093(b). The antenna is internal to the unit and has a 0 dBi gain. The maximum peak conducted output power is 10.58 mW.

The maximum peak power is 10.58 mW (EIRP) for FCC ID: VSF19799AR. The transmit frequency is 2402 to 2480 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 2.25 mW (EIRP), routine SAR evaluation is not required.

Our radio, FCC ID: VSF19799AR, is compliant with the requirements of 15.247(i).