

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 head mounted, battery powered, cordless transceiver which is designed to be worn over the ear of the user to enable a two-way transmission with a Bluetooth compatible cellular telephone. It can be considered a portable transmitter per 47 CFR 2.1093(b). The antenna is internal to the unit and permanently attached. The antenna is a printed quarter wave meander antenna with 2.96 dBi gain. The maximum peak conducted output power is 2.89 mW.

The maximum peak power is 5.71 mW (EIRP) for FCC ID: DZLF0228A. 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). 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 2.89 mW (peak conducted) and 5.71 mW (Peak EIRP), routine SAR evaluation is not required.

The applicant’s Bluetooth radio, FCC ID: DZLF0228A, is compliant with the requirements of 15.247(i).