

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 Bluetooth radio module. It can be considered a portable transmitter per 47 CFR 2.1093 because it can be used closer than 20cm to the user. The antenna is a chip antenna soldered to the module with a peak gain of -1 dBi. . The maximum peak conducted output power is 13.9 mW.

The maximum peak radiated power is 11 mW (EIRP) for FCC ID: EHABTS080. The transmit frequency is 2402 to 2480 MHz, therefore the EUT does not require routine SAR evaluation because it falls below the low power threshold of $60/f(\text{GHz})\text{mW}$. 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 $\leq 60/f(\text{GHz})\text{mW}$ or all measured 1-g SAR are $<0.4 \text{ W.kg.}$ "

The applicant's Bluetooth radio module, FCC ID: EHABTS080, is compliant with the requirements of 15.247(i).