

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.”

It is possible that some device configurations are less than 20 cm from the user. Therefore, the device can be considered a portable transmitter per 47 CFR 2.1093(b). The maximum antenna gain is -1.37 dBi. The maximum peak conducted output power is 2.79 mW.

The maximum peak radiated power is 2.04 mW (EIRP) for FCC ID: LF53537. The transmit frequency is in the 2400 – 2483.5 MHz band, therefore the EUT does not require routine SAR evaluation because it falls below the low power threshold of $60/f(\text{GHz})$ 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 $\leq 60/f(\text{GHz})$ mW or all measured 1-g SAR are < 0.4 W/kg.”

The applicant's radio, FCC ID: LF53537, is compliant with the requirements of 15.247(i).