

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 battery powered sticker that contains a 915 MHz transmitter. The sticker is placed on household object that in combination with an accelerometer measures things people do. The EUT could be used within a separation distance of 20 centimeters between the antenna and the body of the user or nearby persons. The antenna is a monopole antenna etched on the circuit board of the device. The antenna has a maximum gain of 2 dBi. The maximum peak conducted output power is 16.13 mW.

The maximum peak radiated power (measured) is 25.6 mW (EIRP). Since the transmit frequency is less than 1.5 GHz, and the output power is less than 1.5 W ERP, the EUT is categorically excluded from routine environmental evaluation per 47 CFR 2.1091(c).

The maximum peak radiated power is 25.6 mW (EIRP) for FCC ID: A24-GG32918. The transmit frequency is 915 MHz, therefore the EUT does not require routine SAR evaluation because it falls below the low power threshold of $60/f(\text{GHz})\text{mW}$. For 915 MHz, the low power threshold is 65.57 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 wireless radio, FCC ID: A24-GG32918, is compliant with the requirements of FCC 15.247(i).