

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 media audio streaming device designed to connect to most media sources including television, radio and MP3. The antenna is internal to the unit and permanently attached. The antenna is a printed circuit board antenna with 2.0 dBi of gain.

The maximum peak radiated power is 23.3 mW eirp for FCC ID: EOA-TV. The transmit frequency is 904.6 – 926.1 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 926 MHz, that threshold is 64.8 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: EOA-TV, is compliant with the requirements of FCC 15.247(i).