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 Zigbee radio module used in a vehicle mounted device. It can be considered a mobile transmitter per 47 CFR 2.1091 because it is intended to be used greater than 20 cm from the head or torso of the user. The antenna is permanently attached to the enclosure. The antenna is a ½ wave dipole antenna with 2.5 dBi gain. The maximum peak conducted output power is 1.69 mW.

The maximum peak power is 3.0 mW (EIRP) for FCC ID: YD7-ST-5XX. The transmit frequency is 2405 to 2475 MHz, therefore the EUT does not require routine SAR evaluation or MPE Estimates because it falls below the low power threshold of 60/f(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 <=60/f(GHz)mW or all measured 1-g SAR are <0.4 W.kg."

The applicant's wireless radio, YD7-ST-5XX, is compliant with the requirements of FCC 15.247(i).