

## 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 an electronic keybox that contains a Bluetooth radio. In most cases it can be considered a mobile transmitter per 47 CFR 2.1091, but due to the low output power, it is also compliant with the exposure requirements for portable devices. The antenna is internal to the unit and etched on the circuit board. The antenna is a tapped meander line with 4.5 dBi of gain. The maximum peak conducted output power is 1.44 mW.

The maximum peak radiated power is 4 mW eirp for FCC ID: TCZ-10102707G1. The transmit frequency is 2402 to 2480MHz, 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 wireless radio, FCC ID: TCZ-10102707G1, is compliant with the requirements of FCC 15.247(i).