

Compliance with 47 CFR 15.247(b)(5)

“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 handheld remote that controls room lighting and operates in the 902-928 MHz band as a 15.247(f) hybrid system. Although not typical, it is small enough to be placed into a large coat pocket. Therefore, it can be considered a portable transmitter per 47 CFR 2.1093(b). The antenna is a PCB etch internal to the unit and therefore permanently attached. The antenna has a gain of 2.0 dBi. The maximum peak conducted output power is 2.1mW.

The maximum peak power is 3.4 mW (EIRP) for FCC ID: Q4B-TDHHR. The transmit frequency is 904.86 to 924.87 MHz, therefore the EUT does not require routine SAR evaluation per “TCB Exclusions List”, footnote 3 (dated July 17, 2002). See below:

The exposure category is “General Population”. The distance is < 2.5 cm. Therefore the “Low Threshold” is 64.9 mW (EIRP) – above which routine SAR evaluation would be required. Since the maximum peak power of the EUT is 3.4 mW (EIRP), routine SAR evaluation is not required.

The applicant's handheld remote, FCC ID: Q4B-TDHHR, is compliant with the requirements of 15.247(b)(5).