

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 Matrix module can be considered a portable transmitter per 47 CFR 2.1093(b). The antenna is internal to the unit and permanently attached. The antenna is a printed F-antenna with +2.8 dBi gain. The maximum peak conducted output power is 8.23 dBm (6.65 milliwatts).

The maximum peak power (EIRP) is 12.68 mW for FCC ID: TFB-MATRIXLP. The transmit frequency is 2405 to 2480 MHz, therefore the unit does not require routine SAR evaluation per “TCB Exclusions List”, footnote 3.

The exposure category is “General Population”. The distance is <2.5cm. Therefore the “Low Threshold” is 24.5 mW (EIRP) – above which routine SAR evaluation would be required. Since the maximum peak power of the EUT is 12.68 mW (peak EIRP), routine SAR evaluation is not required.

This radio is compliant with the requirements of 15.247(i).