

Portable use SAR exemption for SmartStand with BT121 Bluetooth module:

Mettler-Toledo Rainin SmartStand SCS-B

FCC ID: 2AJ5V-SS-SCSB1

IC: 22074-SSSCSB1

Bluetooth module FCC ID: QOQBT121; IC: 5123A-BGTBT121

Limited to short term hand or possibly the arm exposures. As described in the operational description, BT and RFID radio operation is not simultaneous.

FCC:

$$\frac{15.4mw}{5mm} * \sqrt{2.48} = 4.9, \text{ which is less than } 7.5$$

For portable use the SAR exclusion condition is fulfilled and SAR evaluation is not required for BT121 with 5 mm separation distance.

Innovation Science and Economic Development Canada:

The maximum power (EIRP in this case as antenna gain is 1 dBi) is 19.4 mW for the Bluetooth transmitter is below the threshold of 37.5 mW for a 2.48 GHz transmitter with a separation distance of 15 mm or more from extremities. The closest distance from the BT radiating element to a surface of the SmartStand is 1.5 cm to the rear housing.

The maximum eirp for the RFID transmitter is 2.2 pW which is below the threshold of 177.5 mW for a 0.125 MHz transmitter with a separation distance of 5mm.