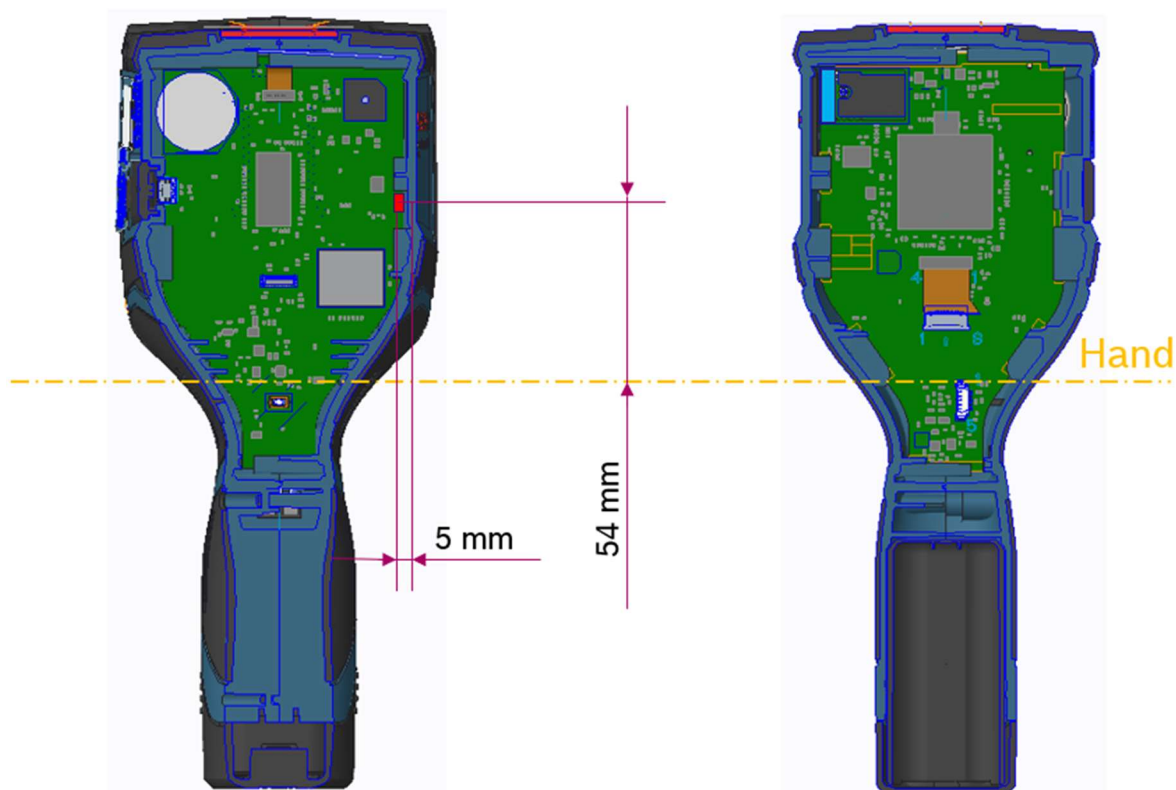


GTC400C RF Exposure Assessment

1. ANTENNA POSITION

The dimensions of the product GTC400C, shown above, are: 233mm x 95mm x 63 mm (length x width x height). Radio module has been assessed for compliance with RF Exposure requirements in the mobile condition (at more than 20 cm from a person). The maximum possible output power, based on the highest rated power including tune-up tolerance, is 69.99 mW in the 2.4 GHz band. The WLAN antenna is 54 mm from the closest part of the user's hand. To be conservative, we base our assessment on 50 mm distance from the transmitter.



2. FCC PORTABLE SAR EXEMPTION

Based on handheld use of the device. For the FCC, section 4.3 of KDB 447498:

$(\text{output power in mW} / \text{distance in mm}) \times (\sqrt{\text{frequency in GHz}}) \leq 7.5$

$(69,66 / 50) \times \sqrt{2.48} \leq 7.5$ (for extremity use at 50 mm)

$1,39 \times 1.575$

$2.19 \leq 7.5$ (for extremity use at 50 mm to the nearest transmitter antenna)

3. ISED PORTABLE SAR TEST EXCLUSION

Based on handheld use of the device. For ISED Canada, section 2.5.1 of RSS-102 issue 5:

The total power of transmitter in the thermal camera (based on the worst case of output power or EIRP):

WLAN: $(18.43 \text{ dBm} + 1.6 \text{ dBi}) = 20.03 \text{ dBm} = 100.69 \text{ mW}$, EIRP

The ISED SAR test exclusion at 50 mm distance from the hand: 772.5 mW

Therefore, SAR testing is not required.