RF Exposure

The equipment under test (EUT) is a HS-8AA remote control with Bluetooth(BLE only) function operating in 2402-2480MHz. The EUT is powered by DC 3V for 2*AAA batteries. For more detailed features description, please refer to the user's manual.

Antenna Type: Integral antenna
Modulation Type: GFSK
Antenna Gain: 1.0dBi
Bluetooth Version: 5.0 BLE (Single Mode)
The nominal conducted output power specified: -4.0 dBm (±2dB)
The nominal radiated output power (e.i.r.p) specified: -3.0 dBm (±2dB)

The maximum conducted output power for the EUT is -4.39dBm in the frequency 2402MHz which is within the production variation.

The minimum conducted output power for the EUT is -4.94dBm in the frequency 2480MHz which is within the production variation.

The maximum conducted output power specified is -2dBm= 0.631mW
The source- based time-averaging conducted output power
=0.631

The SAR Exclusion Threshold Level:

P_{th}(mW) = ERP_{20cm} * $(d/20cm)^{x}$ (X= $-\log_{10}\left(\frac{60}{ERP_{20\ cm}\sqrt{f}}\right)$)

= 3060 * $(0.5/20)^{1.9}$ mW

= 2.72 mW

Since max. power of the source-based time-averaging conducted output power and effective radiated power (ERP) is well below the SAR low threshold level, so the EUT is considered to comply with SAR requirement without testing.