RF Exposure

The equipment under test (EUT) is a Remote Control Device with Bluetooth 5.4 (BLE Mode) function operating in 2402-2480MHz. The EUT is powered by 2x1.5V AAA batteries. For more detail information pls. refer to the user manual.

Bluetooth Version: 5.4 (BLE Mode)
Modulation Type: GFSK
Antenna Type: Integral antenna
Antenna Gain: 3.04dBi
The nominal conducted output power specified: -11.04dBm (+/-2dB).
The nominal radiated output power (e.i.r.p) specified: -8dBm (+/- 2dB).

According to the KDB 447498 D04 V01:

The maximum peak radiated emission for the EUT is 88.1dBµV/m at 3m in the frequency 2402MHz
The EIRP = [(FS*D) ^2 / 30] mW = -7.13dBm
which is within the production variation.

The minimum peak radiated emission for the EUT is 86.9dBµV/m at 3m in the frequency 2480MHz
The EIRP = [(FS*D) ^2 / 30] mW = -8.33dBm
which is within the production variation.

The maximum conducted output power specified is -9.04dBm = 0.12 mW
The source- based time-averaging conducted output power
= 0.12 mW

1-mW Test Exemption:

Since the source-based time-averaging conducted output power is well below 1-mW Test Exemption, per KDB 447498 D04 V01 and §1.1307 (b) (3) (i) (A), the EUT is considered to comply with SAR requirement without testing and no evaluation is required.