RF Exposure

The equipment under test (EUT) is a remote controller operating at 2.4G Band. The EUT can be powered by DC 3.0V (2 x 1.5V AA batteries). For more detail information pls. refer to the user manual.

Antenna Type: Integral antenna.
Antenna Gain: 0dBi.
The normal radiated output power (e.i.r.p) is: 4.0dBm (tolerance: +/- 3dB).
The normal conducted output power is 4.0dBm (tolerance: +/- 3dB).
Modulation Type: GFSK.

According to the KDB 447498 V06:

The Maximum peak radiated emission for the EUT is 102.1dBμV/m at 3m in the frequency 2467MHz
The EIRP = [(FS*D) ^2 / 30] mW = 6.87dBm
which is within the production variation.

The Minimum peak radiated emission for the EUT is 100.2 dBμV/m at 3m in the frequency 2434MHz
The EIRP = [(FS*D) ^2 / 30] mW = 4.97dBm
which is within the production variation.

The maximum conducted output power specified is 7.0dBm= 5.012mW
The source- based time-averaging conducted output power
=5.012mW

The SAR Exclusion Threshold Level:
= 3.0 * (min. test separation distance, mm) / sqrt(freq. in GHz)
= 3.0 * 5 / sqrt (2.467) mW
= 9.55 mW

Since the source-based time-averaging conducted output power is well below the SAR low threshold level, so the EUT is considered to comply with SAR requirement without testing.