RF Exposure

The Equipment Under Test (EUT) is a Doberman Skelly Dog operating at 433.92MHz. The EUT is powered by DC 3.0V (2 x 1.5V AAA batteries). For more detailed features description, please refer to the user's manual.

Antenna Type: Integral Antenna (PCB Antenna)
Modulation: ASK
Antenna Gain: 0dBi
The normal peak radiated output power (e.i.r.p) is: -15.0dBm (tolerance: +/- 3dB).
The normal peak conducted output power is -15.0dBm (tolerance: +/- 3dB).

According to the KDB 447498 V06:

The Maximum peak radiated emission for the EUT is 79.5 dBμV/m at 3m in the frequency 433.92MHz
The EIRP = [(FS*D) ^2 / 30] mW = -15.73dBm
which is within the production variation.

The maximum conducted output power specified is -12dBm= 0.06310mW
The source- based time-averaging conducted output power
=0.06310mW

The SAR Exclusion Threshold Level:
= 3.0 * (min. test separation distance, mm) / sqrt(freq. in GHz)
= 3.0 * 5 / sqrt (433.92) mW
= 22.77mW

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.