

Analysis Report

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Controller Unit) for a RC dinosaur. The sample supplied operated on 71 channels, normally at 2405 - 2475MHz with 1MHz channel spacing.

The EUT is powered by 2 x 1.5V AAA batteries. After switching on the EUT, the dinosaur will move in different directions based on the switches pressed in the controller, emit sound and light.

2.4GHz portion

Antenna Type: Internal, Integral

Antenna Gain: 0dBi

Conducted Power range is -15dBm to 0dBm

According to the KDB 447498 D01 V04:

Conducted Power (max)

= 0 dBm

= 1 mW

The SAR Exclusion Threshold Level:

= $3.0 * (\text{min. test separation distance, mm}) / \text{sqrt}(\text{freq. in GHz})$

= $3.0 * 5 / \text{sqrt}(2.480)$ mW

= 9.53 mW

Since the above conducted output power is well below the SAR Exclusion threshold level, so the EUT is considered to comply with SAR requirement without testing.