

Analysis Report

The Equipment Under Test (EUT), is a toy dinosaur head with a 2.4GHz Transceiver. The sample supplied operated on 4 channels, normally at 2420MHz, 2435MHz, 2450MHz and 2465MHz.

The EUT is powered by 3 x 1.5V AA batteries.

2.4GHz portion

Antenna Type: Internal, Integral

Antenna Gain: 0dBi

Conducted Power range is -15dBm to 0dBm

According to the KDB 447498:

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.