

Analysis Report

The Equipment Under Test (EUT), is a 433.92MHz Transmitter for a Remote Device of Door/Window Sensor Alarm. The sample supplied operated on a single channel, 433.92MHz. The EUT is powered by 1 x 3.0V CR2032 Lithium Cell.

433MHz Portion

Antenna Type: Internal integral antenna

Nominal rated field strength: 79.9dB μ V/m at 3m (Peak)

Maximum allowed field strength of production tolerance: +/- 3dB

According to the KDB447498 D01 v06:

Radiated Power (maximum)

= 82.9 dB μ V/m (0.06 mW)

The SAR Exclusion Threshold Level:

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

= $3.0 * 5 / \sqrt{0.43392}$ mW

= 22.77 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.