

# INTERTEK TESTING SERVICES

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## Analysis Report

The equipment under test (EUT) is a transmitter for Remote Key Finder operating at 433.92MHz. The EUT is powered by DC 3V battery. The EUT has ten control Keys, press the corresponding control key on the EUT in order to locate the desired receiver. For more detail information pls. refer to the user manual.

Antenna Type: Integral antenna

Antenna Gain: 0 dBi

Nominal rated field strength: 84.60dB $\mu$ V/m at 3m

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

Modulation Type: ASK

According to the KDB 447498:

Based on the Maximum allowed field strength of production tolerance was 87.60dB $\mu$ V/m at 3m in frequency 433.92MHz, thus;

The EIRP = [(FS\*D) <sup>2</sup> / 30] mW= 0.172mW

Conducted power = Radiated Power (EIRP) – Antenna Gain

So;

Conducted Power = 0.172mW

The SAR Exclusion Threshold Level:

= 3.0 \* (min. test separation distance, mm) / sqrt(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.