

RF Exposure Requirements

Product Description: Long Remote Control

Model No.: 18-KEY

FCC ID: 2BOYX-18KEY

Tx frequency: 433.92 MHz Type of Modulation: OOK

Antenna Type: PCB Antenna

Nominal rated field strength: 75.87 dB μ V/m at 3 meter

Based on the Maximum allowed field strength was 75.87 dB μ V/m at 3m in frequency 433.92 MHz, thus;

$$\text{The EIRP} = [(FS * D) ^2 * 1000 / 30] = 0.0116 \text{ mW}$$

According to the FCC Part 1.1307(b)(3)(i)(A) and KDB 447498 D04v01, a single RF source is exempt RF device if the available maximum time-averaged power is no more than **1 mW**, regardless of separation distance.

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.