

RF Exposure Requirements

Product Description: Wireless Doorbell

Model No.: CB-21, WA-11, CW-21, CB-12, CW-12, CR-1, CR-2, CB-11, CW-11, BA-11, BA-12, DB-21

FCC ID: 2AU4DDCP

IC: 32919-AAJ

Tx frequency: 433.92 MHz Type of Modulation: OOK

Antenna Type: Spring Antenna

Nominal rated field strength: 84.08 dBμV/m at 3 meter

Based on the Maximum allowed field strength was 84.08 dBμV/m at 3m in frequency 433.92 MHz, thus;

$$\text{The EIRP} = [(FS * D) ^2 * 1000 / 30] = 0.076758 \text{ mW}$$

According to the FCC Part 1.1307(b)(3)(i)(A), 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.

According to the RSS-102 Issue 6 Table 10, a single RF source is an exempt RF device if the maximum time-average power available at a separation distance of 5mm or less does not exceed **32mw**, 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.