

RF exposure information

FCC ID: 2ALYRHG-C01B

Product name: Amigo Wireless Remote Control

Models names: HG-C01B

1. Introduction:

This product is Amigo Wireless Remote Control with Wi-Fi function (2412~2462MHz).

2. Output power considerations:

Worst case output power: 8.65dBm = 7.328mW (at 2412MHz for Wi-Fi mode)

3. Compliance criteria:

According to 447498 D01 General RF Exposure Guidance v05 the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$\left[\frac{\text{max. power of channel, including tune-up tolerance, mW}}{\text{min. test separation distance, mm}} \right] \cdot \sqrt{f(\text{GHz})} \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR,}$$

Where:

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

Calculate:

$$(7.328/5) \cdot \sqrt{2.412} = 2.276 < 3 \text{ for 1g SAR}$$

Then SAR evaluation is not required.