

Analysis Report

The Equipment Under Test (EUT) is a Azzaro Wanted By Night Headphones 2021 with Bluetooth audio playback feature, which occupies a frequency range of 2402MHz to 2480MHz. The EUT supports Bluetooth 3.0 and BLE. The EUT is powered by 3.7V internal rechargeable battery (3.7VDC)

2.4GHz Bluetooth:

Modulation Type: GFSK

Antenna Type: Integral, Internal (PCB Trace)

Antenna gain is 0dBi

Frequency Range: 2402MHz - 2480MHz

Conducted RF Power range is -4dBm to 4dBm

According to the KDB 447498:

Conducted Power (max) = 4dBm (2.51 mW)

The SAR Exclusion Threshold Level:

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

$$= 3.0 * 5 / \sqrt{2.480} \text{ mW}$$

$$= 9.53 \text{ mW}$$

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.