

RF Exposure

The equipment under test (EUT) is a WIRELESS HEADPHONE with BT function operating in 2402-2480MHz. The EUT is powered by DC 3.7V rechargeable battery. The Bluetooth transmitter function will be disabled while charging. For more detail information pls. refer to the user manual.

Modulation Type: GFSK, $\pi/4$ -DQPSK

Antenna Type: Integral antenna.

Antenna Gain: 1.2dBi Max

The nominal conducted output power specified: 4dBm (± 1 dB).

The nominal radiated output power (e.i.r.p) specified: 5.2dBm (± 1 dB).

According to the KDB 447498:

The maximum conducted output power for the EUT is 4.19dBm in the frequency 2480MHz which is within the production variation.

The minimum conducted output power for the EUT is 3.50dBm in the frequency 2402MHz which is within the production variation.

The maximum conducted output power specified is 5dBm = 3.16mW

The source- based time-averaging conducted output power

= 3.16 * Duty factor mW (where Duty Factor ≤ 1)

= 3.16 mW

The SAR Exclusion Threshold Level:

= 3.0 * (min. test separation distance, mm) / sqrt(freq. in GHz)

= 3.0 * 5 / sqrt (2.480) mW

= 9.53 mW

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.