

INTERTEK TESTING SERVICES

RF Exposure

The equipment under test (EUT) is a Headphone with Bluetooth function operating in 2402-2480MHz. The EUT is powered by DC 3.7V internal rechargeable battery and can be charged through USB interface. For more detail information pls. refer to the user manual.

Antenna Type: Integral antenna.

Antenna Gain: 0 dBi.

Modulation Type: GFSK.

The nominal conducted output power specified: 3dBm +/-3dB.

The maximum tested conducted output power is 4.35dBm in the frequency 2.440GHz.

The minimum tested conducted output power is 3.66dBm in the frequency 2.480GHz.

According to the KDB 447498:

The maximum conducted output power specified is 6.0 dBm = 4.0mW

The source- based time-averaging conducted output power
= 4.0 * Duty Cycle mW <= 4.0 mW (Duty Cycle<=100%)

The SAR Exclusion Threshold Level:

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

= 3.0 * 5 / sqrt (2.480) mW

= 9.5 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.