

INTERTEK TESTING SERVICES

RF Exposure

The Equipment under Test (EUT) is a Bluetooth audio car kit model WBTCCK which has Bluetooth function. It is powered by DC 3.7V rechargeable battery which can be charged by DC 5V USB port . For more detail information please refer to the user manual.

Antenna Type: Integral antenna.

Antenna Gain: 0dBi.

Modulation Type: GFSK, $\pi/4$ -DQPSK and 8-DPSK.

The nominal conducted output power specified: -10dBm (Tolerance: ± 3 dB)

The nominal radiated output power specified: -10dBm (Tolerance: ± 3 dB)

The maximum Radiated output power for the EUT is -7.93dBm in the frequency 2402MHz of BT4.2 which is within the production variation.

The minimum Radiated output power for the EUT is -8.13dBm in the frequency 2480MHz of BT4.2 which is within the production variation.

According to the KDB 447498:

The maximum conducted output power specified is -7.0dBm = 0.2mW

The source- based time-averaging conducted output power

= $0.2 * \text{Duty Cycle mW}$ (where Duty cycle ≤ 1)

$\leq 0.2\text{mW}$

The SAR Exclusion Threshold Level:

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

= $3.0 * 5 / \sqrt{2.480}$ 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.