

INTERTEK TESTING SERVICES

RF Exposure

The equipment under test (EUT) is a Wireless USB Receiver with Bluetooth 5.4 (EDR Mode) function operating in 2402-2480MHz. The EUT is powered by DC 5V. For more detail information pls. refer to the user manual.

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

Bluetooth Version: 5.4 EDR

Antenna Type: Integral antenna

Antenna Gain: 3.0 dBi (This information is provided by applicant, and the applicant is responsible for the authenticity of the provided information.)

The nominal radiated output power (e.i.r.p) specified: -1dBm (Tolerance: +/- 2dB)

The nominal conducted output power specified: -4dBm (Tolerance: +/- 2dB)

According to the KDB 447498 D04 Interim General RF Exposure Guidance V01:

The maximum peak radiated emission for the EUT is 95.7dB μ V/m at 3m in the frequency 2441MHz

The EIRP = $[(FS \cdot D)^2 / 30]$ mW = 0.47dBm
which is within the production variation.

The minimum peak radiated emission for the EUT is 94.8dB μ V/m at 3m in the frequency 2480MHz

The EIRP = $[(FS \cdot D)^2 / 30]$ mW = -0.43dBm
which is within the production variation.

The maximum conducted output power specified is -2dBm = 0.63 mW

The source- based time-averaging conducted output power
= 0.63 mW

1-mW Test Exemption:

Since the source-based time-averaging conducted output power is well below 1-mW Test Exemption, per KDB 447498 D04 Interim General RF Exposure Guidance V01 and §1.1307 (b) (3) (i) (A), the EUT is considered to comply with SAR requirement without testing and no evaluation is required.