

INTERTEK TESTING SERVICES

RF Exposure

The equipment under test (EUT) is a dongle with 2.4G function operating in 2402-2480MHz. The EUT is powered by DC 5V by USB. For more details information pls. refer to the user manual.

2.4G function:

Antenna Type: Integral antenna

Antenna Gain: 1.92 dBi max

Modulation Type: GFSK

The nominal conducted output power specified: -4.15 dBm (+/-2dB).

The nominal radiated output power (e.i.r.p) specified: -2.23dBm (+/-2dB).

According to the KDB 447498 V07:

The maximum peak radiated emission for the EUT is 93.0dBμV/m at 3m in the frequency 2480MHz

The EIRP = $[(FS \cdot D)^2 / 30]$ mW = -2.23dBm

which is within the production variation.

The maximum conducted output power specified is -4.15 dBm = 0.384592mW

The source- based time-averaging conducted output power
= 0.384592mW

1-mW Test Exemption:

Since the source-based time-averaging conducted output power is well below 1-mW Test Exemption, per KDB 447498 V07 and §1.1307 (b) (3) (i) (A), the EUT is considered to comply with SAR requirement without testing and no evaluation is required.