

INTERTEK TESTING SERVICES

RF Exposure

The equipment under test (EUT) is a Candy Con USB Dongle with Bluetooth 5.2 EDR function operating in 2402-2480MHz. The EUT is powered by USB 5V. For more detail information pls. refer to the user manual.

Antenna Type: Integral antenna

Modulation Type: GFSK

Antenna Gain: 0 dBi

Bluetooth Version: 5.2 EDR (Single Mode)

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

The nominal radiated output power (e.i.r.p) specified: -10 dBm (± 3 dB)

According to the KDB 447498 V07:

The Maximum peak radiated emission for the EUT is 85.3 dB μ V/m at 3m in the frequency 2402MHz

The EIRP = $[(FS^*D)^2 / 30]$ mW = -9.93dBm
which is within the production variation.

The Minimum peak radiated emission for the EUT is 82.9 dB μ V/m at 3m in the frequency 2480MHz

The EIRP = $[(FS^*D)^2 / 30]$ mW = -12.33dBm
which is within the production variation.

The maximum conducted output power specified is -7dBm= 0.200mW

The source- based time-averaging conducted output power
= 0.200 * Duty factor mW (where Duty Factor ≤ 1)
= 0.200mW

1-mW Test Exemption:

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