

INTERTEK TESTING SERVICES

RF Exposure

The equipment under test (EUT) is a Glow with BT5.0 (Single Mode) function operating in 2402-2480MHz, The EUT is powered by DC 11.1V rechargeable Battery and charge via an adapter 100-240VAC, 50/60Hz input, DC 13.0V 1.8A output. For more detail information pls. refer to the user manual.

Bluetooth Version: 5.0 BLE

Modulation Type: GFSK

Antenna Type: Integral antenna.

Antenna Gain: 0dBi.

The nominal conducted output power specified: -4dBm (+/-3dB).

The nominal radiated output power (e.i.r.p) specified: -4dBm (+/- 3dB).

According to the KDB 447498:

The maximum peak radiated emission for the EUT is 92.5dBμV/m at 3m in the frequency 2402MHz

The EIRP = $[(FS \cdot D)^2 / 30]$ mW = -2.73dBm
which is within the production variation.

The minimum peak radiated emission for the EUT is 90.9dBμV/m at 3m in the frequency 2440MHz

The EIRP = $[(FS \cdot D)^2 / 30]$ mW = -4.33dBm
which is within the production variation.

The maximum conducted output power specified is -1dBm = 0.79 mW

The source- based time-averaging conducted output power

= 1 * Duty factor mW (where Duty Factor ≤ 1)

= 1 mW

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.