

# INTERTEK TESTING SERVICES

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## RF Exposure

The Equipment Under Test (EUT) is a Selfiestick with bluetooth & stativ with Bluetooth 5.0 (EDR Mode) function operating in 2402-2480MHz. The EUT is powered by DC3.0V battery. The Key For more detailed features description, please refer to the user's manual.

Bluetooth Version: 5.0 EDR

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

Antenna Type: Integral antenna.

Antenna Gain: -0.58dBi.

The nominal conducted output power specified: -0.58dBm (+/-4dB).

The nominal radiated output power (e.i.r.p) specified: 0dBm (+/- 4dB).

According to the KDB 447498:

The maximum peak radiated emission for the EUT is 98.4dB $\mu$ V/m at 3m in the frequency 2402MHz

The EIRP =  $[(FS \cdot D)^2 / 30]$  mW = 3.2dBm  
which is within the production variation.

The minimum peak radiated emission for the EUT is 92.3dB $\mu$ V/m at 3m in the frequency 2480MHz

The EIRP =  $[(FS \cdot D)^2 / 30]$  mW = -2.9dBm  
which is within the production variation.

The maximum conducted output power specified is 3.42dBm = 2.1978mW

The source-based time-averaging conducted output power  
= 2.1978 \* Duty factor mW (where Duty Factor  $\leq$  1)  
= 2.1978 mW

The SAR Exclusion Threshold Level:

= 3.0 \* (min. test separation distance, mm) / sqrt(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.