

# INTERTEK TESTING SERVICES

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## RF Exposure

The equipment under test (EUT) is a ACTIVITY TRACKER PRO with Bluetooth function. The EUT was powered by a 3.85 VDC Li-ion rechargeable battery which is charged by USB Power Adapter with AC 120V, 60Hz. For more detail information pls. refer to the user manual.

Bluetooth Version: 4.0 (single mode) Low Energy Standard

Modulation Type: GFSK

Antenna Type: Integral antenna.

Antenna Gain: 0dBi.

The nominal conducted output power specified: -3dBm (+/-2dB)

The nominal radiated output power (e.i.r.p) specified: -3dBm (+/- 2dB)

According to the KDB 447498:

The maximum peak radiated emission for the EUT is 94.0dB $\mu$ V/m at 3m in the frequency 2402MHz

The EIRP =  $[(FS^*D)^2 / 30]$  mW = -1.3dBm  
which is within the production variation.

The minimum peak radiated emission for the EUT is 92.0dB $\mu$ V/m at 3m in the frequency 2480MHz

The EIRP =  $[(FS^*D)^2 / 30]$  mW = -3.3dBm  
which is within the production variation.

The maximum conducted output power specified is -1.0dBm = 0.8mW

The source-based time-averaging conducted output power

= 0.8 \* Duty Cycle mW (where Duty Cycle  $\leq 1$ )  
 $\leq 0.8$  mW

The SAR Exclusion Threshold Level:

= 3.0 \* (min. test separation distance, mm) / sqrt(freq. in GHz)  
= 3.0 \* 5 / sqrt (2.480) mW  
= 9.5 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.