

## INTERTEK TESTING SERVICES

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### RF Exposure

The equipment under test (EUT) is a Baby Swing with Bluetooth 5.1 (Single Mode EDR) function operating in 2402-2480MHz. The EUT is powered by DC 6.0V by adaptor. For more detail information pls. refer to the user manual.

Antenna Type: Integral antenna

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

Antenna Gain: -0.58dBi Max

Bluetooth Version: 5.1 (Single Mode EDR)

The normal radiated output power (e.i.r.p) is: -1.0dBm (tolerance: +/- 3dB).

The normal conducted output power is -0.42dBm (tolerance: +/- 3dB).

According to the KDB 447498 V06:

The Maximum peak radiated emission for the EUT is 96.3dB $\mu$ V/m at 3m in the frequency 2402MHz

The EIRP =  $[(FS \cdot D)^2 / 30]$  mW = 1.07dBm

which is within the production variation.

The Minimum peak radiated emission for the EUT is 92.8dB $\mu$ V/m at 3m in the frequency 2480MHz

The EIRP =  $[(FS \cdot D)^2 / 30]$  mW = -2.43dBm

which is within the production variation.

The maximum conducted output power specified is 2.58dBm = 1.811mW

The source- based time-averaging conducted output power  
=1.811mW

The SAR Exclusion Threshold Level:

=  $3.0 \cdot (\text{min. test separation distance, mm}) / \sqrt{\text{freq. in GHz}}$

=  $3.0 \cdot 5 / \sqrt{2.480}$  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.