

# Analysis Report

The Equipment Under Test (EUT) is a Bluetooth BLE (1Mbps) Transceiver for a balance board. The sample supplied operated on 40 channels, normally at 2402 – 2480MHz. The channels are separated with 2MHz spacing.

The EUT is powered by 1 x 3.0V CR2032 battery. After switching on the EUT, it can be paired up with a smartphone and can be used to play different game through a mobile app.

**Antenna Gain: 0.4 dBi**

**Frequency Range: 2402MHz to 2480MHz, 2MHz channel spacing, 40 channels**

**Conducted power range: -10dBm to 4dBm**

According to the KDB447498 D01 v06:

EIRP (maximum)  
= 4.4 dBm (2.75 mW)

The SAR Exclusion Threshold Level:  
=  $3.0 * (\text{min. test separation distance, mm}) / \sqrt{\text{freq. in GHz}}$   
=  $3.0 * 5 / \sqrt{2.480}$  mW  
= 9.53 mW

Since the above conducted output power is well below the SAR Exclusion threshold level, so the EUT is considered to comply with SAR requirement without testing.