

Analysis Report

Report No.: HK21111014HKG-001

The Model: 4.5 is Electronic Price Tag with Bluetooth BLE feature.

The Equipment Under Test (EUT) operates at frequency range of 2402MHz to 2480MHz with 1Mbit and 2Mbit data rate.

Bluetooth portion

Antenna Type: Internal, Integral

Antenna Gain: 2dBi

Bluetooth 4.0 BLE

Modulation Type: GFSK

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

RF conducted power range: 0dBm to +8dBm

According to the KDB 447498:

Conducted Power (maximum)

= 8 dBm (6.3 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.