Analysis Report

Report No.: 16080858HKG-001

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Stuffed Elephant) operating at the frequency range of 2423-2473MHz with the following occupied channels, 2423MHz, 2442MHz, 2449MHz and 2473MHz.

The EUT is powered by 3*1.5V AAA battery. After switching on the controller and pressing the button, the EUT will produce sound.

Antenna Type: Internal integral antenna
Antenna Gain: 0dBi
Nominal rated field strength: 76.7dBμV/m at 3m
Maximum allowed field strength of production tolerance: +/- 3dB

According to the KDB 447498:

Based on the Maximum allowed field strength of production tolerance was 79.7dBμV/m at 3m in frequency 2.4GHz, thus;

The EIRP = [(FS*D) ^2*1000 / 30] = 0.028mW

Conducted power = Radiated Power (EIRP) – Antenna Gain
So;

Conducted Power = 0.028mW.

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