Analysis Report
Report No.: 13081180HKG-002

The Equipment Under Test (EUT) is a Portable Wireless Slim Keyboard. It can pair with a corresponding dongle. The 2.4GHz module in the EUT is operating in the frequency range from 2408MHz to 2474MHz (67 channels with 1MHz channel spacing). The EUT is powered by 3.0VDC (2 x 1.5VDC “AAA” size batteries).

Antenna Type: Internal integral (PCB Trace)
Antenna Gain: +1.1dBi
Nominal rated field strength: 96.0dBμV/m at 3m
Maximum allowed field strength of production tolerance: -/+3 dBm
According to the KDB 447498:

Based on the Maximum allowed field strength of production tolerance was 99.0dBμV/m at 3m in frequency 2.4GHz, thus;
The EIRP = [(FS*D) ^2*1000 / 30] = 2.383mW
Conducted power = Radiated Power (EIRP) - Antenna Gain
So;
Conducted Power = 1.85mW.

The SAR Exclusion Threshold Level:
= 3.0 * (min. test separation distance, mm) / sqrt(freq. in GHz)
= 3.0 * 5 / sqrt (2.474) mW
= 9.54 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.