Analysis Report
Report No.: HK13030183-1

The Equipment Under Test (EUT) is a Pocket Size Wireless Speaker and Speakerphone. It can pair with a Bluetooth device as the audio source. The Bluetooth module in the EUT is operating in the frequency range from 2402MHz to 2480MHz (79 channels with 1MHz channel spacing). The EUT is powered by internal 3.7VDC Ni-MH rechrgeable battery which can be charged by 5VDC from USB port. The USB cable is integrating with 3.5mm phone plug which can accept external analog input source. Moreover, the EUT can receive phone call when it is pairing with the mobile device by Bluetooth function.

Antenna Type: Internal integral (PCB Trace)
Antenna Gain: +1dB
Nominal rated field strength: 93.9dBμV/m at 3m
Maximum allowed field strength of production tolerance: +/- 2dB
According to the KDB 447498:

Based on the Maximum allowed field strength of production tolerance was 95.9dBμV/m at 3m in frequency 2.4GHz, thus;

The EIRP = [(FS*D) ^2*1000 / 30] = 1.2mW

Conducted power = Radiated Power (EIRP) - Antenna Gain
So;
Conducted Power = 0.9mW.

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 mWm

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.