Analysis Report
Report No.: 13061472HKG-001

The Equipment Under Test (EUT) is a Portable System with Bluetooth connection. It can accept both analog input sources (FM radio play and 3.5mm headphone-jack in), and wireless Bluetooth device. The Bluetooth module is operating in the frequency range from 2402MHz to 2480MHz (79 channels with 1MHz channel spacing). The EUT is powered by 120VAC.

Antenna Type: Internal integral (PCB Trace)
Antenna Gain: 0dBi
Nominal rated field strength: 93.8dBμV/m at 3m
Maximum allowed field strength of production tolerance: -/+3 dB
According to the KDB 447498:

Based on the Maximum allowed field strength of production tolerance was 96.8dBμV/m at 3m in frequency 2.4GHz, thus;
The EIRP = [(FS*D) ^2*1000 / 30] = 1.436mW
Conducted power = Radiated Power (EIRP) - Antenna Gain
So;
Conducted Power = 1.436mW.

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.