

Analysis Report
Report No.: 13061471HKG-001

The Equipment Under Test (EUT) is Retro Turntable/CD With Radio And Bluetooth Connection. It can accept analog audio input sources: FM radio, Audio CD play back, 3.5mm phone-jack line-in, and digital audio input source: wireless Bluetooth device. The EUT support the analog audio output sources: 3.5mm headphone jack and Audio Line out. The Bluetooth module in the EUT operates in the frequency range from 2402MHz to 2480MHz (79 channels with 1MHz channel spacing).

Antenna Type: Internal integral (PCB Trace)

Antenna Gain: 0dB

Nominal rated field strength: 90.4dB μ V/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 93.4dB μ V/m at 3m in frequency 2.4GHz, thus;

The EIRP = $[(FS \cdot D)^2 \cdot 1000 / 30] = 0.656mW$

Conducted power = Radiated Power (EIRP) - Antenna Gain

So;

Conducted Power = 0.656mW.

The SAR Exclusion Threshold Level:

= $3.0 \cdot (\text{min. test separation distance, mm}) / \sqrt{\text{freq. in GHz}}$

= $3.0 \cdot 5 / \sqrt{2.480} \text{ mW}$

= 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.