

# Analysis Report

Report No.: HK13020275-2

The Equipment Under Test (EUT) is a portable 9-inch Tablet PC with Android Operating System. The EUT equipped with a 9-inch LCD display (with touch screen), camera, HDMI, USB, SD interface, microphone, stereo loudspeaker and headphone output. The EUT contains a WiFi module complying with IEEE 802.11b/g/n(HT20)/n(HT40) standards that operating in 2.4GHz ISM frequency band (2400MHz – 2483.5MHz). The EUT is powered by an external AC/DC adaptor with 5VDC output. The adaptor accepts 100-240VAC. The applicant declared that the EUT does not contain Bluetooth RF module.

Antenna Type: Internal, integral

Antenna Gain: 0dBi

Nominal rated field strength: 96.9dB $\mu$ V/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 99.9dB $\mu$ V/m at 3m in frequency 2.4GHz, thus;

The EIRP =  $[(FS \cdot D)^2 \cdot 1000 / 30] = 2.9\text{mW}$

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

Conducted Power = 2.9mW.

The SAR Exclusion Threshold Level:

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

=  $3.0 \cdot 5 / \sqrt{2.462} \text{ mW}$

= 9.56 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.