

# Analysis Report

Report No.: 22071396HKG-001

The Equipment Under Test is a Dongle of Gaming Headset with dongle. The EUT operates at frequency range of 2402MHz to 2480MHz. The EUT is powered by USB port (5VDC).

Antenna Type: Internal, Integral, PCB trace antenna  
Printed Inverted-F Antenna (PIFA)  
Maximum Antenna gain: 1.72 dBi  
Conducted peak power range: -5 dBm to +13 dBm  
Conducted average power range: -25 dBm to -5 dBm

According to the KDB 447498:

Conducted Power (maximum)  
= -5 dBm (0.32 mW)

The SAR Exclusion Threshold Level:  
=  $3.0 * (\text{min. test separation distance, mm}) / \text{sqrt}(\text{freq. in GHz})$   
=  $3.0 * 5 / \text{sqrt}(2.480)$  mW  
= 9.53 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.