

Analysis Report

Report No.: 22071396HKG-001

The Equipment Under Test is a Gaming Headset of Gaming Headset with dongle. The EUT operates at frequency range of 2402MHz to 2480MHz. The USB port on the Headphone is for charging purpose only. The EUT is powered by 3.7V rechargeable battery.

Antenna Type: Internal, Integral, PCB trace antenna
Printed Inverted-F Antenna (PIFA)
Maximum Antenna gain: 4.75 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.