

Technical Description

The Equipment Under Test is a Gaming Headset of 2.4GHz Wireless Headphone with corresponding Dongle. The EUT operates at frequency range of 2402MHz to 2480MHz. There are total 79 channels with 1MHz channel spacing. The USB port on the Headphone is for charging purpose only. The EUT is powered by 3.7V rechargeable battery. After pairing with corresponding dongle, then the headphone will communicate with dongle for receiving the sounds and related commands.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0.6dBi

Nominal rated field strength is 107.4dB μ V/m at 3m (Peak), 82.8dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (AB1568) acts as MCU
2. X2 acts as 26MHz Oscillator
3. R88, R89, C98 and C99 act as antenna matching circuit