

Technical Description

The Equipment Under Test is a Gaming Headset Dongle of 2.4GHz Wireless Headphone with Dongle and Docking (Cradle). The EUT operates at frequency range of 2403.35MHz to 2479.35MHz. There are total 39 channels with 2MHz channel spacing. The EUT is powered by USB port (5VDC). The EUT has two antenna.

2.4GHz portion

(Antenna 1 and 2)

Antenna Type: Internal, Integral

Antenna Gain: 0dBi

EIRP peak power range: -10 dBm to +5 dBm

The main components are described below:

1. U3 (AV6301) is 2.4GHz RF Transceiver IC
2. XT2 (16MHz) crystal provide system clock for U3 (AV6301)
3. U1 (AV6430) is Audio CODEC with MCU
4. XT1 (24.576MHz) crystal provide operating clock for U1 (AV6430)