

Operational Description of Transmitter AWD205(TX)

It is a RF audio transmitter operated at 2406-2472MHz to transmit the audio signal to the associated headphone. The EUT is powered by AC/DC adaptor or USB port of PC, and has a audio input jack for audio source feeding.

Circuit theory:

The received stereo audio signal is fed from either USB port or analog audio input jack then into IC: IA2, the audio signal will be modulated on 2.4GHz carrier by GFSK modulation. The RF module is controlled by IA2 to generate pseudorandom frequency hopping sequence. IA2 module RF normal operation mode supports 15 hopping channels.