

Circuit Description

This passage is mainly on how TXV2408 wireless A/V transmitter works and is divided into two parts:

The first part is on 2.4GHz A/V transmission: There are two kinds of signals input, one is AV signals from cable TV demodulated by the tuner and the intermediate frequency amplifier. The other is AV signal from external signal source. The two signals are transmitted to 2.4GHz transmitting module to demodulate via CD4053 which is controlled by MCU EM78P447 and then emitted.

The second part is 433MHz ASK signal receiving: when ASK signal is received by 433MHz receiving module of TXV2408, it will directly transmitted to MCU EM78P447 to decode into IR data. Then the IR data will be transmitted to IR emitting tube to convert into IR signal and then transmitted to signal source device.