

Applicant: Lightcomm Technology Co., Ltd.

FCC ID: XMFF902

Operation Description of FM Transmission

FM transmission is achieved by MTK IC MT1389P to control ROHM IC BH1411 via interface I2C. Its working voltage is 3.3 V. Oscillator frequency is 16 MHz. There are 16 frequencies of transmission. IC BH1411 has functions of audio stereo modulation and RF modulation, the RF stability is controlled by internal phase-lock loop circuit. The RF signal is output to match network and bandpass filter and then is transmitted by antenna.

The antenna is made of copper wire which length is about 35mm. Common grounding on PCB is not connected to real external ground. Power supply is DC 12V.