

APPLICANT: CRS ELECTRONIC (SHEN ZHEN) CO., LTD
FCC ID: T8O27830526

Circuit Description

Transmitter intended 2.4GHz ISM band FM modulator, The RF modulator block, Which is frequency Synthesizer based with integrated 2.4GHz vco, Y1 the 8 MHz crystal oscillator .Easy channels selection by slide switch.The RF output has the matching network consisting of L3, L4,C02,C03,F1 Coupling to the antenna.

The antenna board 27*24.8mm. There is no external connection. The ground is only that of the printed circuit board. Electric current is supplied by batteries AAx3 DC4.5Volt.

The RTC6701 is a FM/FSK transmitter intended for application on 2.4GHz ISM band analog FM or digital FSK transmission. The chip includes a RF modulator, two channels of audio modulator and a power amplififier with up to +11.5dBm power outut. The RF modulator block, which is frequency-synthesizer based with an integrated 2.4GHz VCO, generates the 2.4GHz FM signal modulated from stereo audio L(left)/R(left) signals. On-chip two audio modulators with stereo audio input signals provide the FM audio modulated signal at 6 MHz and 6.5MHz, respectively, Monaural application is also possible by turning off one of two audio modulators.

Transmission frequency can be set by internal Register via SPI programming , or by selecting among 4 fixed channels using three dedicated pins. Output power of +1.5dBm or +11.5dBm can be configured via pins 28 and 29 to fit CE/FCC requirement easily. The device is available in a 32-pin QFN package.