

APPLICANT: CRS ELECTRONIC (SHEN ZHEN) CO., LTD
FCC ID: T8027830526

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 amplifiyer 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(ledft)/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.