

## Circuit Description

Product	Radar Module
Frequency Range	57.9978-60.5935 GHz
Modulation Technique:	FMCW
Antenna Type	Microstrip Array Antenna
Antenna Gain(Max)	5

It consists of the television audio transmitter-JY9031 (JL6976M chip) and host-302002-JY; the 24MHz crystal oscillator drives 302002-JY's JL6976N8、JY9031's JL6976M chip ; The television audio is modulated into an audio carrier by JY9031 JL6976M chip , and is sended to 302002-JY JL6976N8 chip by JY9031 JL6976M chip , and television audio carrier is received and demodulated into television audio signal by 302002-JY JL6976N8 chip,the television audio signal is sended to 302002-JY AC6955F BT channel , and then entry to power amplifier; 302002-JY and JY9031 there are no external ground connection, The ground is only that of the printed circuit board; 302002-JY and JY9031 is one-to-one audio carrier's transmitter and receiver, and this antenna's transmission and receive has limits the harmonic content and effect ; 302002-JY Electric current is supplied by 3.7V lithium power supply, and JY9031 Electric current is supplied by 5V adapter , the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form pulse modulating signal on the carrier frequency. 302002-JY blue light there is 2 status indicator , transmission & receive is successful connection when host-302002-JY blue indicator lights come on but slow flash, transmitter & the receiver is exit connection when host-302002-JY blue indicator lights is fast flash