

Description Of Circuit

This wireless module(RDA5876A) complies with Bluetooth 2.1 + EDR specification and it could achieve up to a speed of 3Mbps with EDR mode. The integrated module provides UART HCI interface for Bluetooth.

It supports $\pi/4$ DQPSK and 8DPSK modulation and operates in 2402~2480 MHz bands.

And this device provided of transmitting speed:

GFSK (1Mbps), $\pi/4$ -DQPSK (2Mbps), 8DPSK (3Mbps) for bluetooth.

The device of RF carrier is DPSK,DQPSK for bluetooth.

This device uses an PCB Antenna with peak gain is 2dBi. For more antenna information as below:

	Antenna Name	Specifications	
	Antenna information:	2.4G Buletooth Antenna	Frequency
Impedance			50 Ohm Nominal
Frequency Range:			2.4GHz~2.5GHz
Connector Type/ Maximum Gain			soldering /2dBi
Antenna Type/ Pattern:			PCB Antenna
Measurement:			L=60mm(Tin)
Antenna Material			FR4

The other instruction, please have a look at the user's manual.