

蓝牙天线规格书

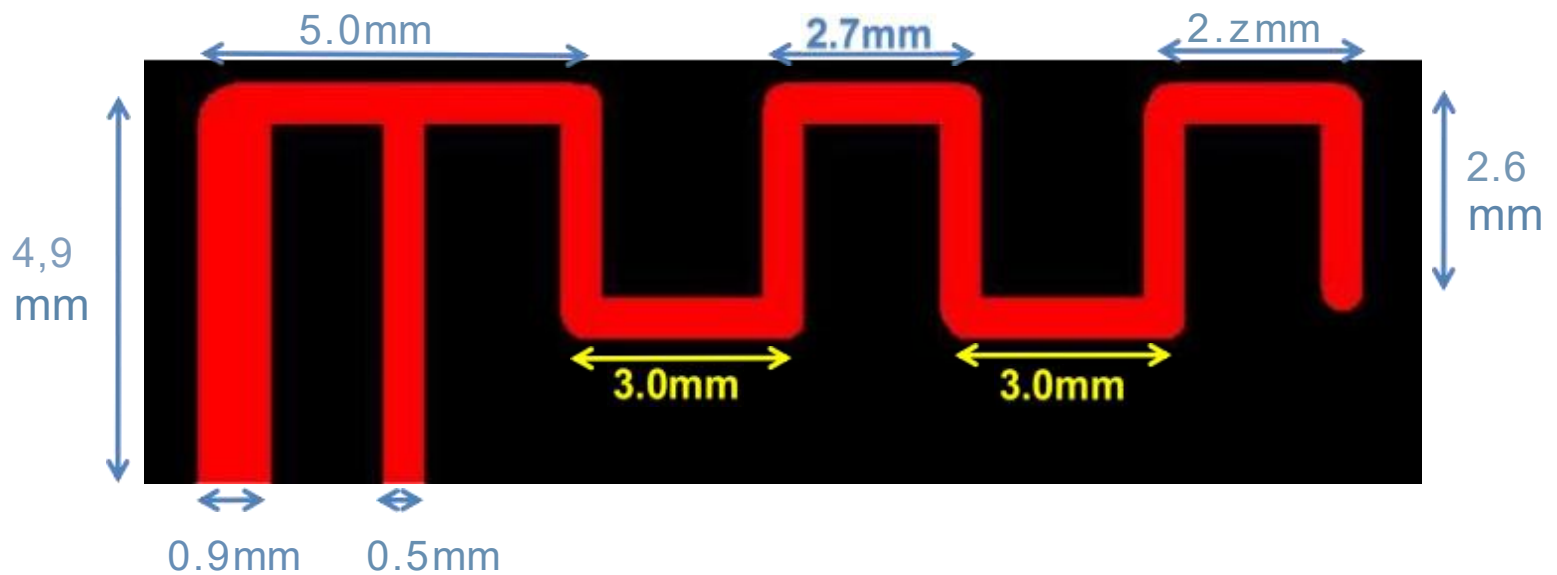
Specification of Bluetooth antenna

一、天线简介 Introduction of antenna

蓝牙模块天线直接采用做在 PCB 板上的方式。

The antenna of bluetooth module is directly made on PCB board.

二、天线外形 Antenna Shape



三、天线参数 Antenna parameters

蓝牙天线工作频率在2402-2480MHz，在此频段产生谐振。下表为天线的主要参数。The Bluetooth antenna operates at 2402-2480 MHz and resonates in this band. The following table shows the main parameters of the antenna.

蓝牙内置天线 Bluetooth built-in antenna	
Frequency (MHz)	2402 ~ 2480 MHz
VSWR	≤ 1.92
Impedance	50 Ohm Nominal
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	1.08dBi
Polarization	Linear, Vertical
Admitted Power	2W
Connector	Tin
Manufacturer	Shenzhen Aositong Technology Co., Ltd.
	Room 1001, Building 5, 10th Industrial Zone, Tianliao Community, Yutang Street. Guangming District, Shenzhen

四、天线增益检测报告 Antenna gain detection report

Spectrum Detector:	PK	Test Date :	June 8, 2013
Test By:	Andy	Temperature :	28℃
Test Result:	PASS	Humidity :	55 %
Modulation:	GFSK		

Frequenc (MHz)	Gain Total. (dBi)
2400MHz	0.04
2410MHz	0.09
2420MHz	0.27
2430MHz	0.19
2440MHz	0.26
2450MHz	0.07
2460MHz	0.39
2470MHz	0.55
2480MHz	0.64
2490MHz	1.05
2500MHz	1.08

