

蓝牙天线规格书

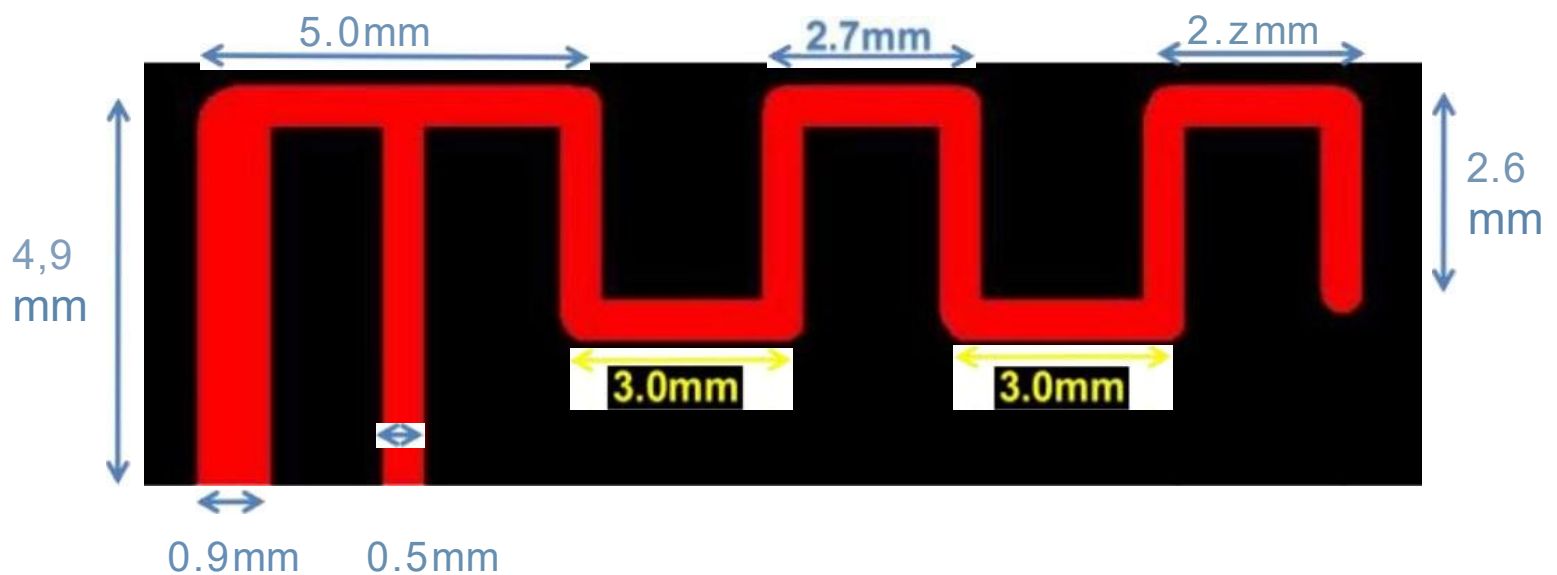
Specification of Bluetooth antenna

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	
	PCB 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

四、天线增益检测 Antenna gain detection

Spectrum Detector:

PK

Test Date :

June 8, 2013

Test By:

Andy

Temperature :

28℃

Test Result:

PASS

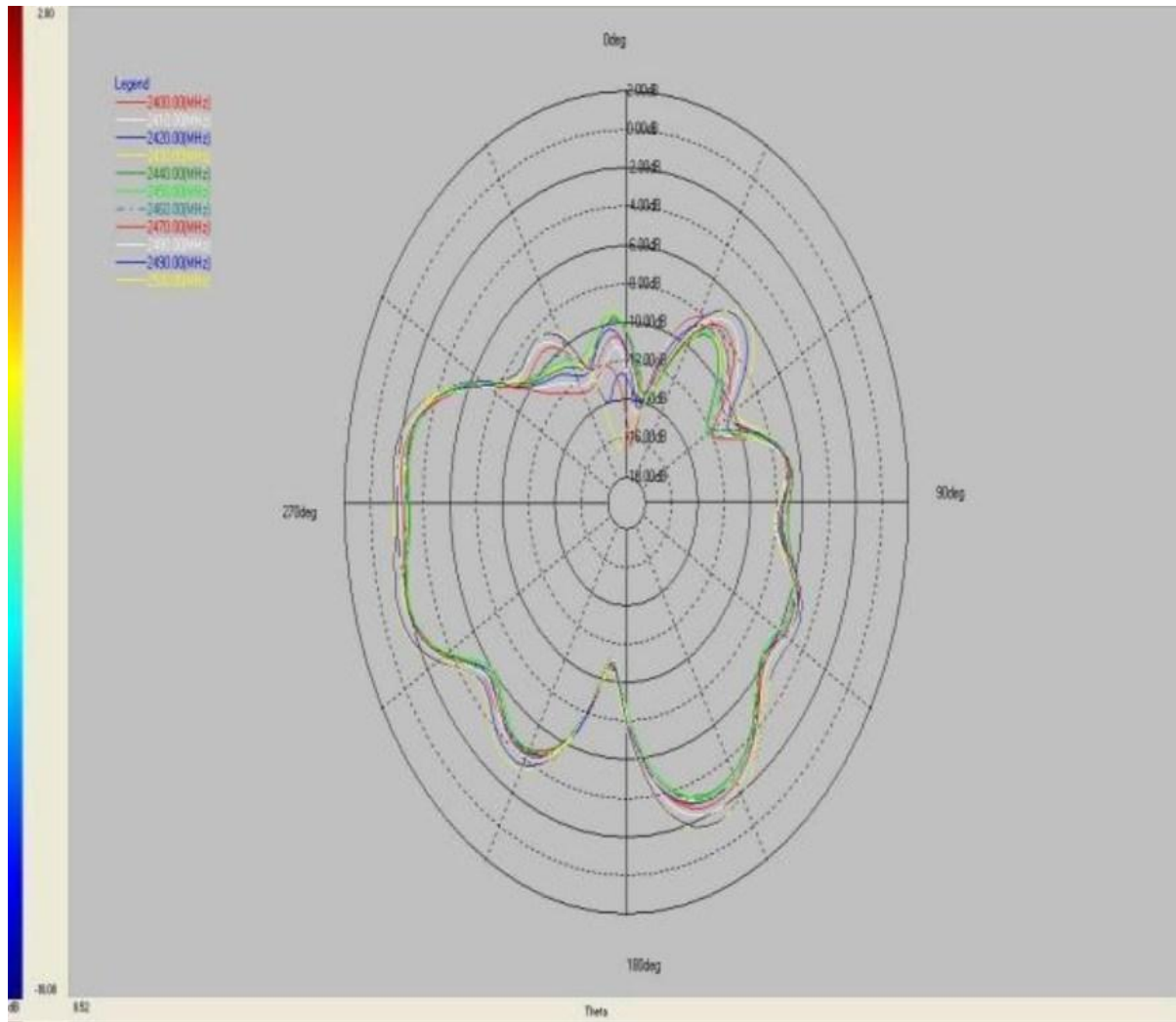
Humidity :

55 %

Modulation:

GFSK

Frequency VNA (MHz)	E Total. dB(dB)
2400MHz	0.0403503
2410MHz	0.0886264
2420MHz	0.267381
2430MHz	0.193012
2440MHz	0.26366
2450MHz	0.0723139
2460MHz	0.36895
2470MHz	0.551525
2480MHz	0.640702
2490MHz	1.05232
2500MHz	1.08443



PHI 90 度

PHI 90 °

