

蓝牙天线规格书

BT Antenna Product Approval

时间：2022.11.18

Manufacturer:	Shenzhen Hutianmei Technology Co.,Ltd
Address of Manufacturer:	32 Building, The third Industrial Park, Houting Shajing, Baoan District,Shenzhen, China

一、天线简介

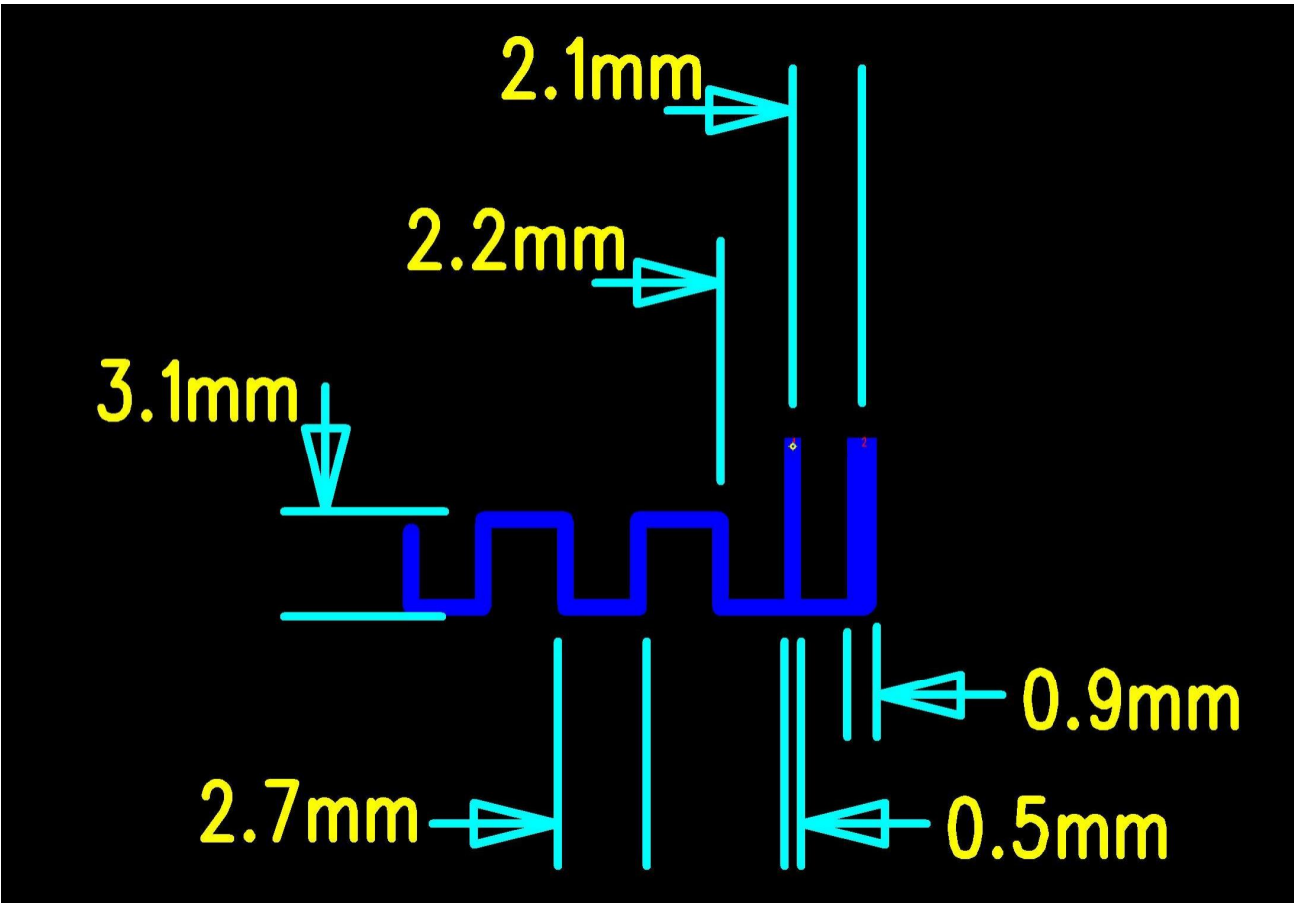
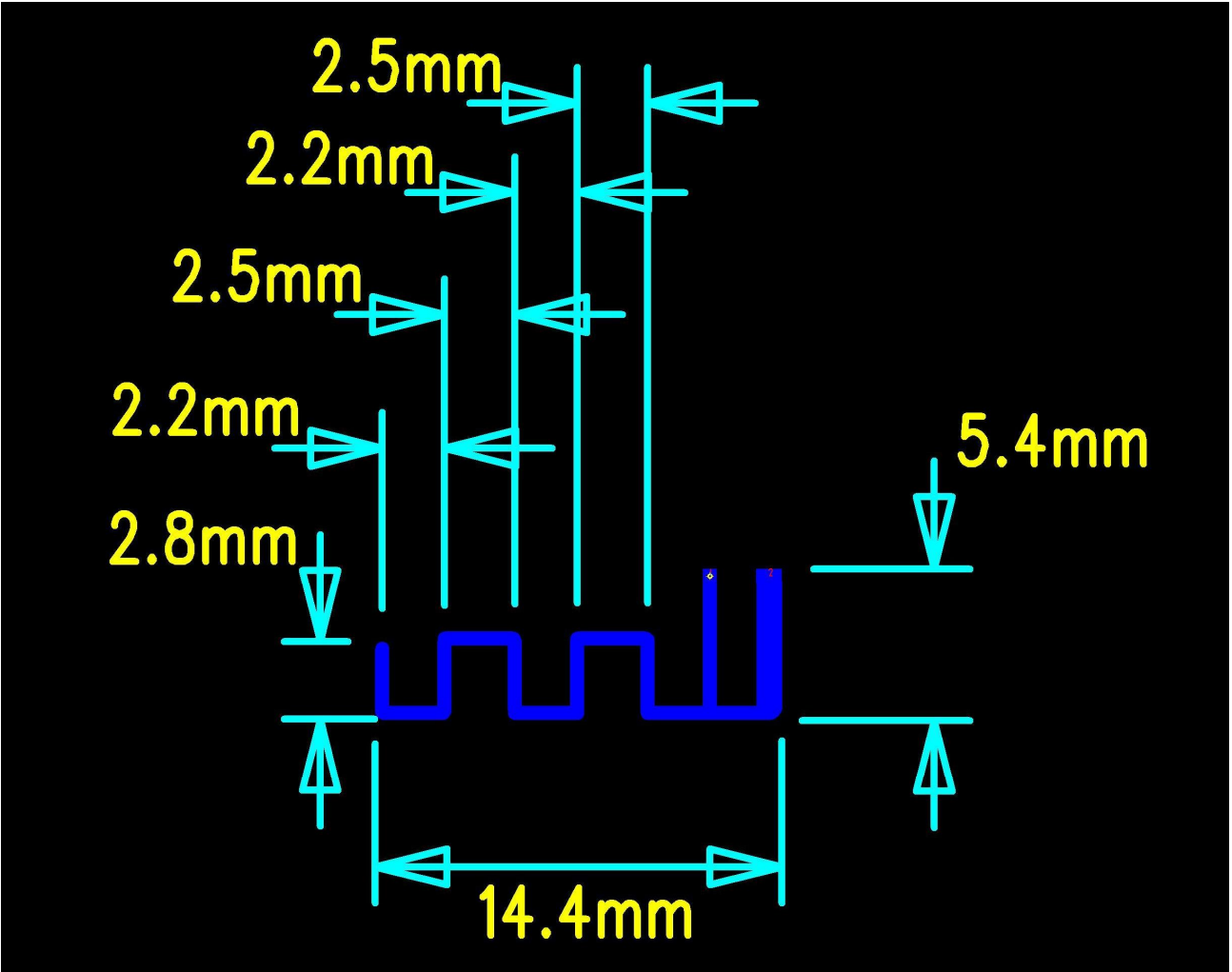
我司蓝牙天线直接采用做在 PCB 板上的板载方式，天线为铜箔加喷锡工艺，铜箔厚度：1OZ，板材为 FR-4 厚度 1.6mm 材料

二、天线外形

1、实物图



2、尺寸图：14.5mm * 5.4mm



三、天线参数

蓝牙工作频率在 2402-2480MHz，在此频段产生谐振。

下表为天线的主要参数：

蓝牙内置天线	
Frequency (MHz)	2402 ~ 2500 MHz
VSWR	≤ 1.92
Impedance	50 Ohm Nominal
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	0.51dBi
Polarization	Linear, Vertical
Admitted Power	2W
Connector	Tin

四、天线增益检测报告

Spectrum Detector: PK

Test Date : June 8, 2013

Test By: Andy

Temperature : 28°C

Test Result: PASS

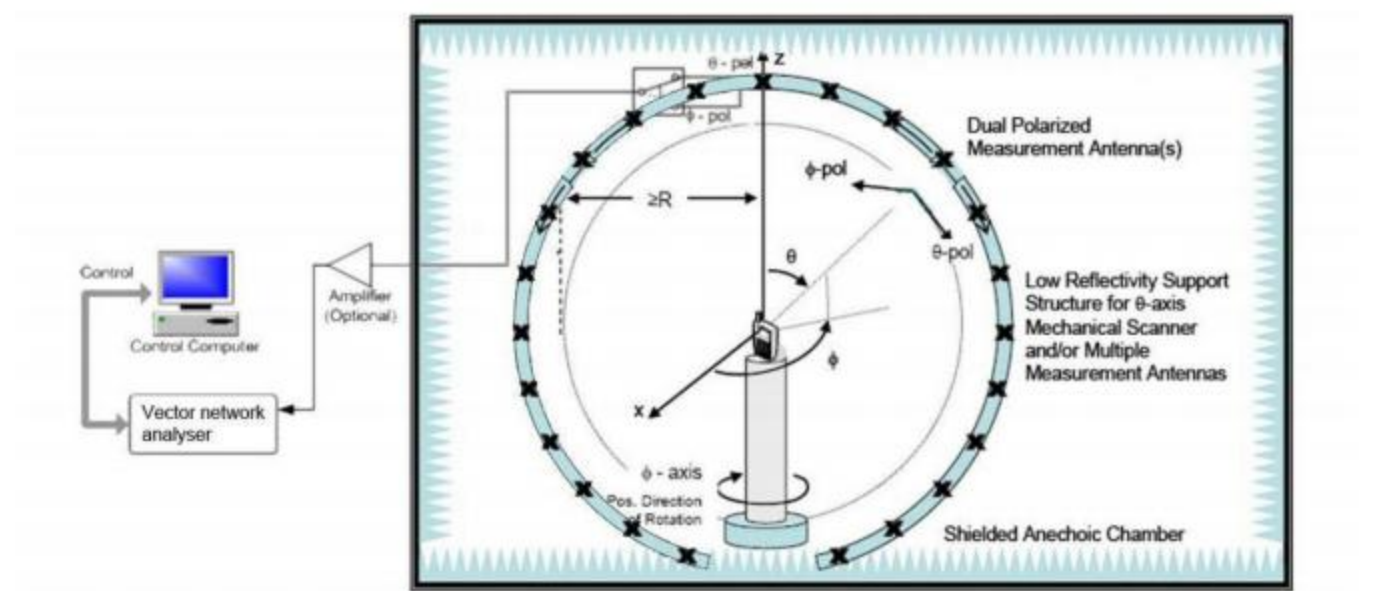
Humidity : 55 %

Modulation: GFSK

最大增益值:

Frequency VNA : (MHz)	E Total. dB(dB)
2400MHz	-0.41
2410MHz	-0.18
2420MHz	0.34
2430MHz	0.51
2440MHz	0.38
2450MHz	-0.01
2460MHz	-0.06
2470MHz	-0.42
2480MHz	-0.74
2490MHz	-0.85
2500MHz	-1.13

五、Test Setup:



六、2D Radiation Pattern

