

蓝牙天线规格书

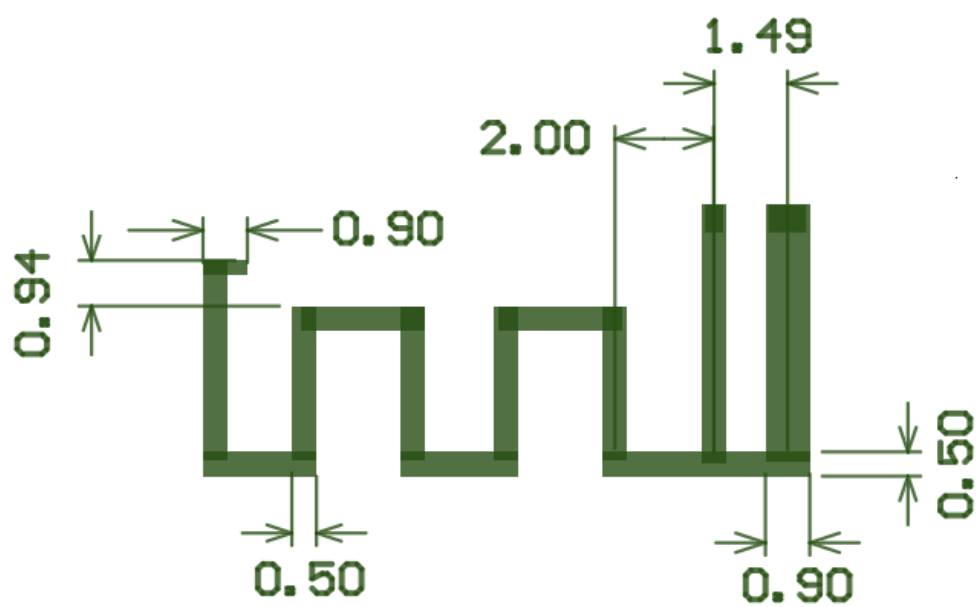
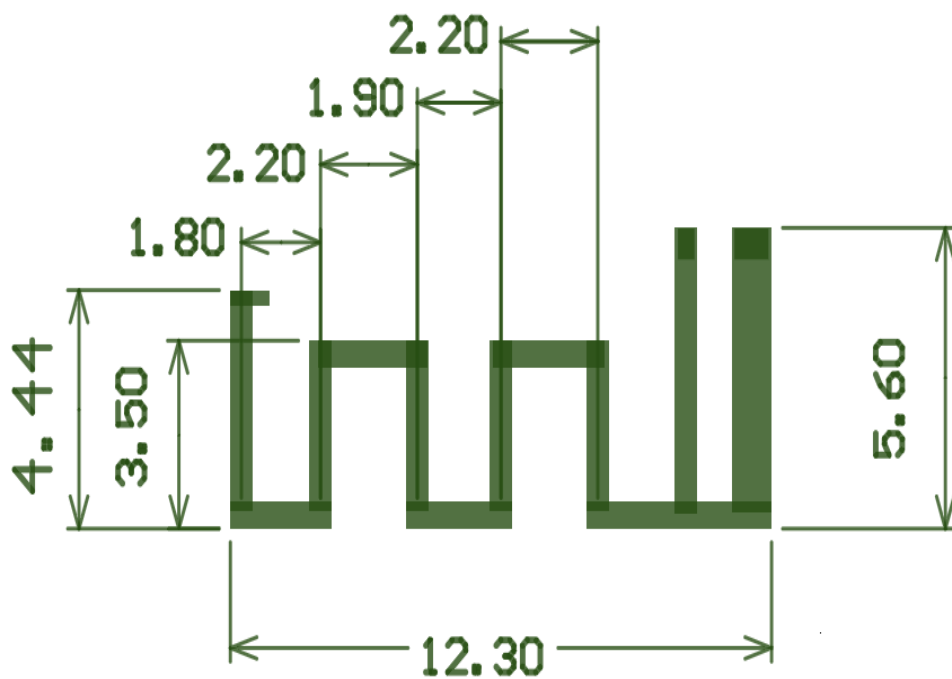
BT Antenna Product Approval

一、Antenna Introduction

PCB printed antenna, applicable to single-sided and multi-layer PCB boards.

二、Antenna Outline

1、 Dimension Drawing: 12.3mm*5.6mm



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)	-0.347 dBi
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

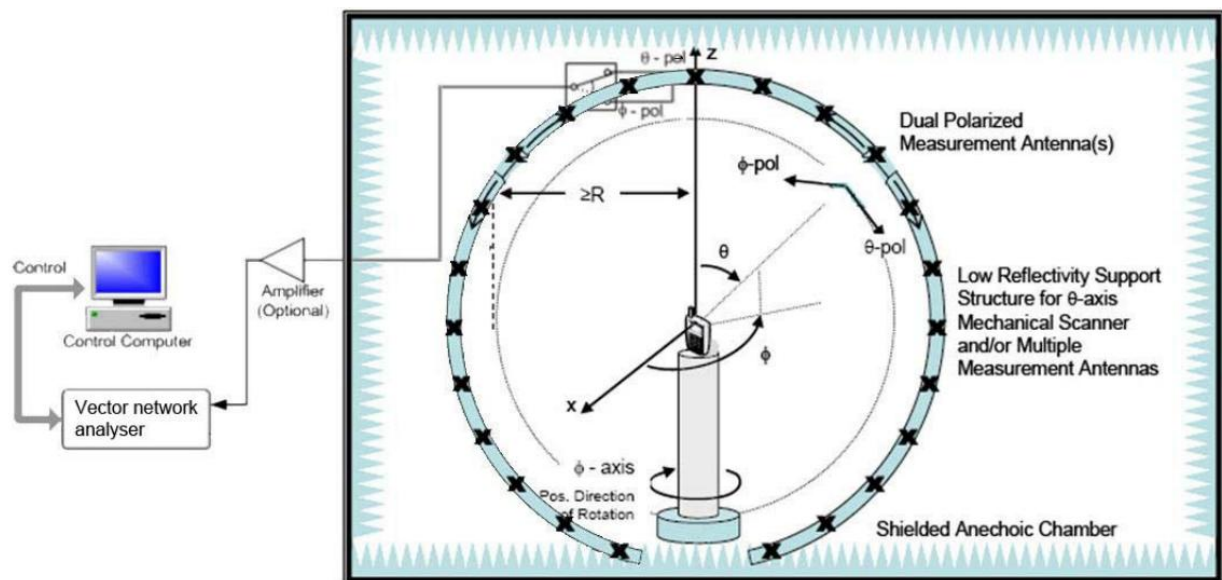
Humidity : 55 %

Modulation: GFSK

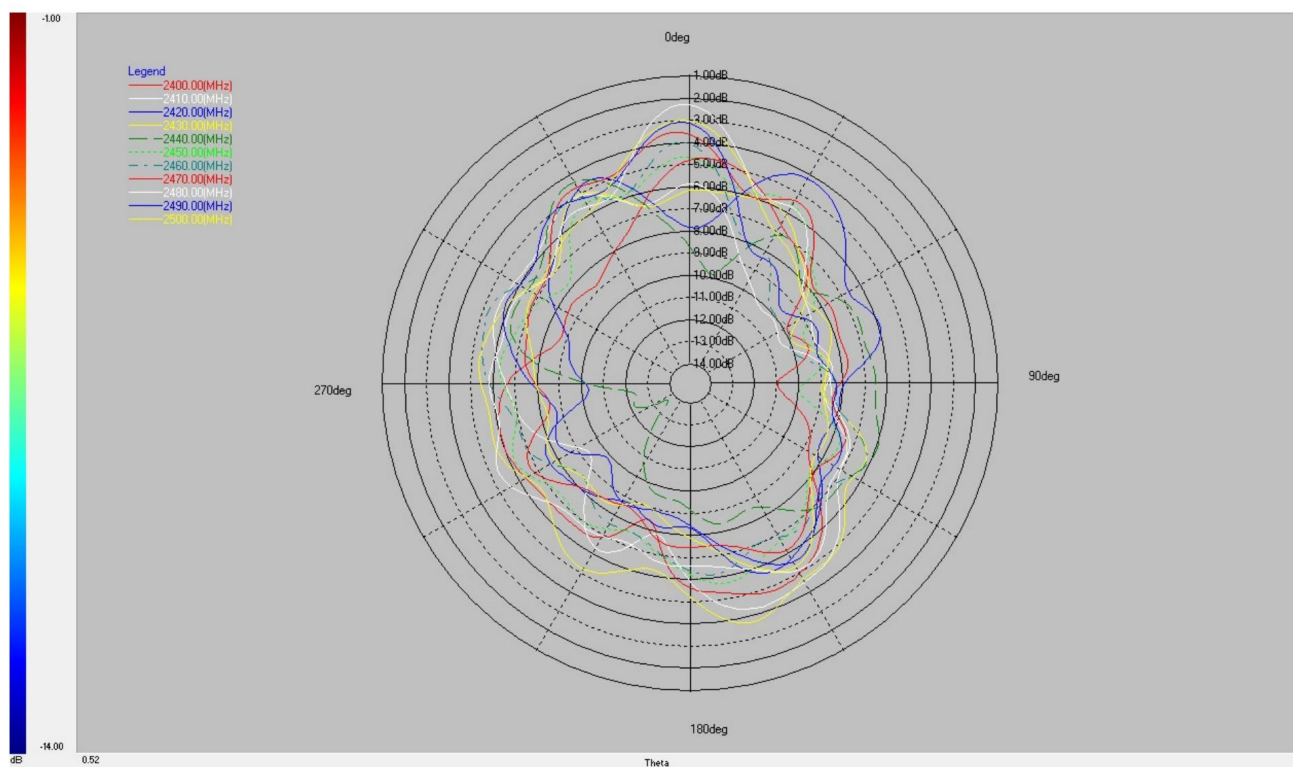
GAIN:

Frequency VNA : (MHz)	Gain(dBi)
2400MHz	-0.347483
2410MHz	-0.502625
2420MHz	-0.772879
2430MHz	-0.955555
2440MHz	-1.23072
2450MHz	-1.94066
2460MHz	-1.90725
2470MHz	-2.01968
2480MHz	-2.30721
2490MHz	-2.28333
2500MHz	-2.8728

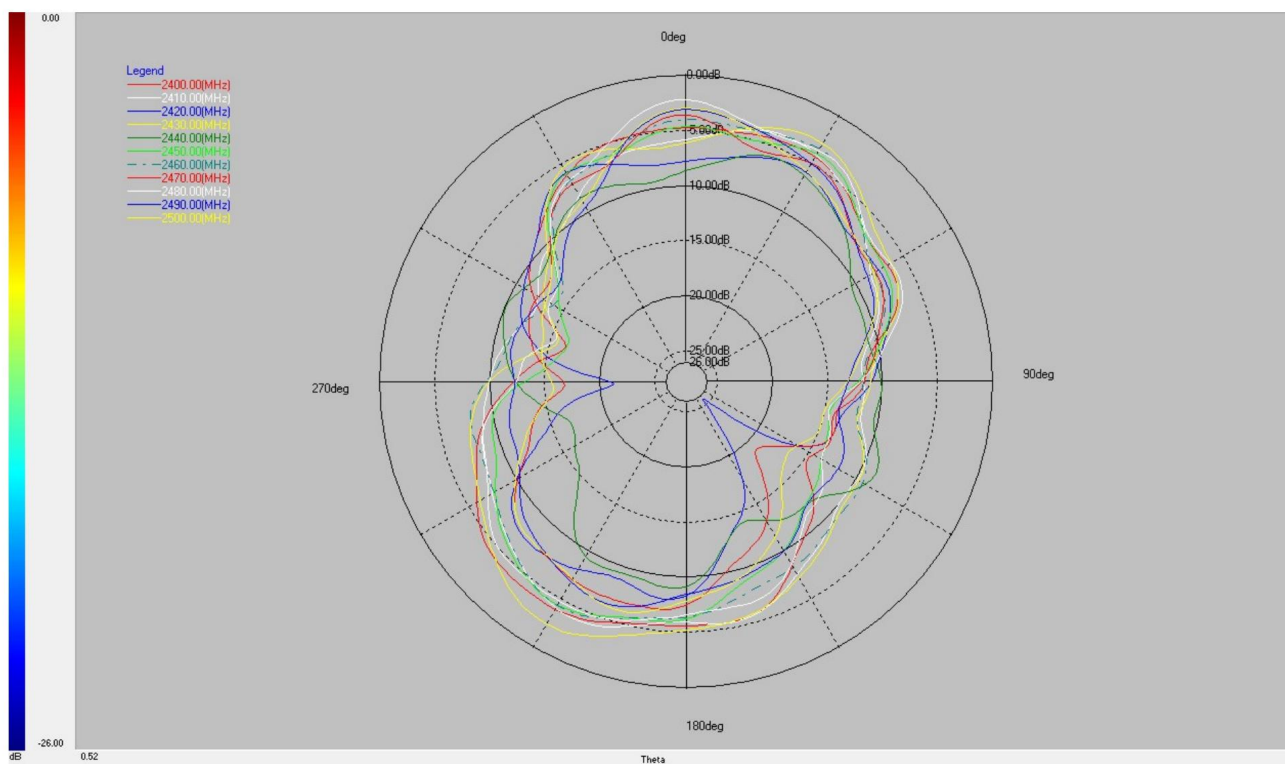
五、Test Setup:



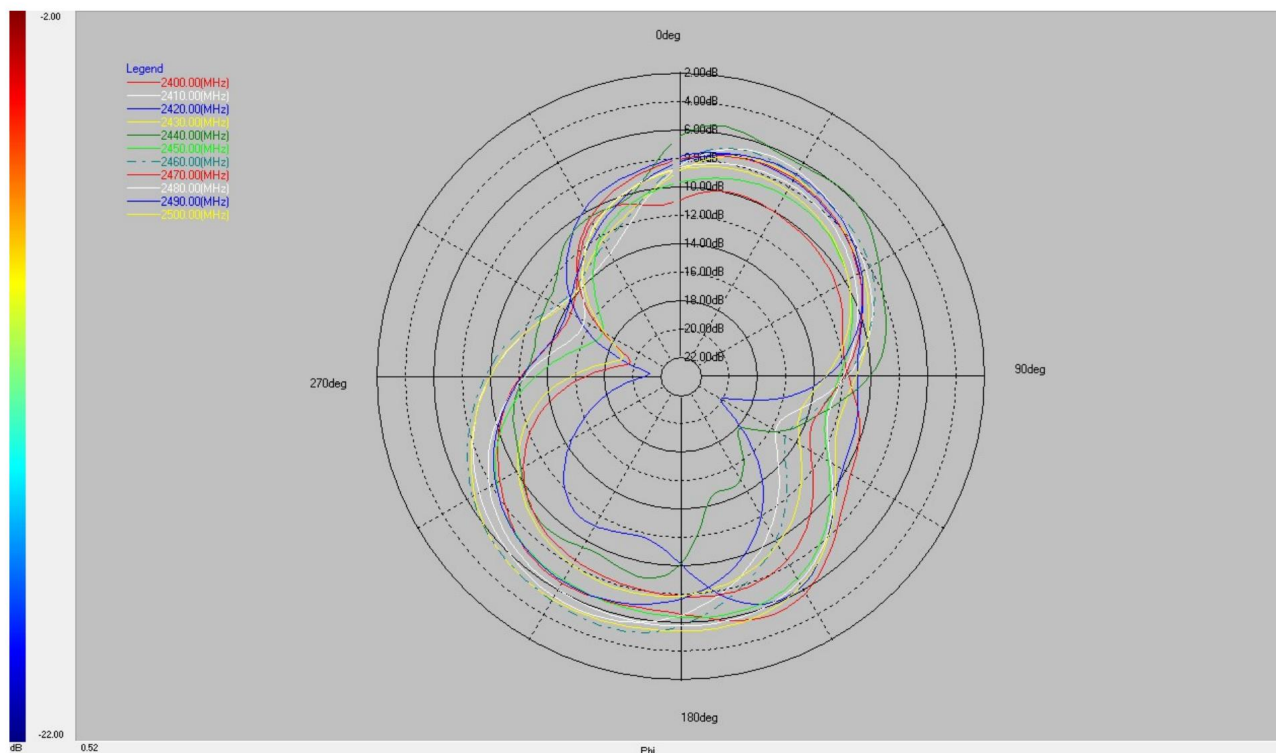
六、2D Radiation Pattern



PHI 0 度

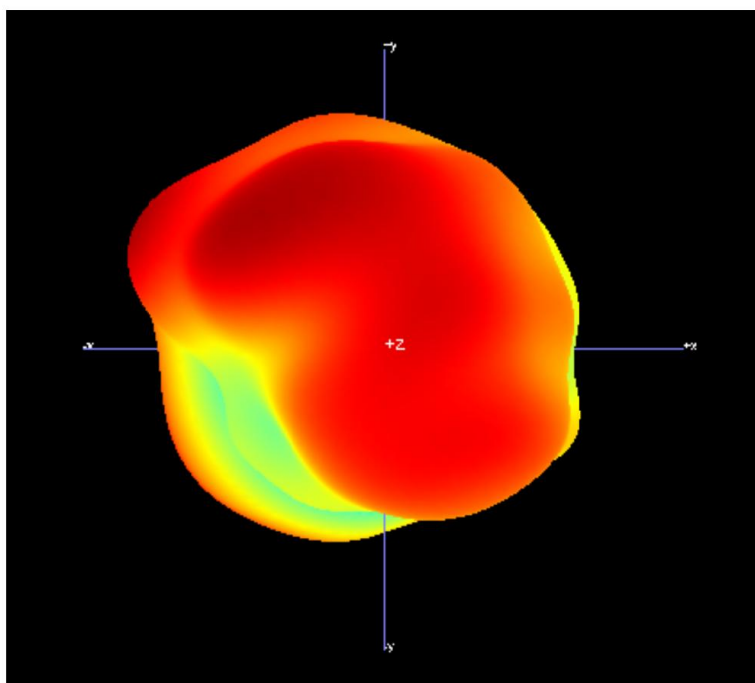


PHI 90 度

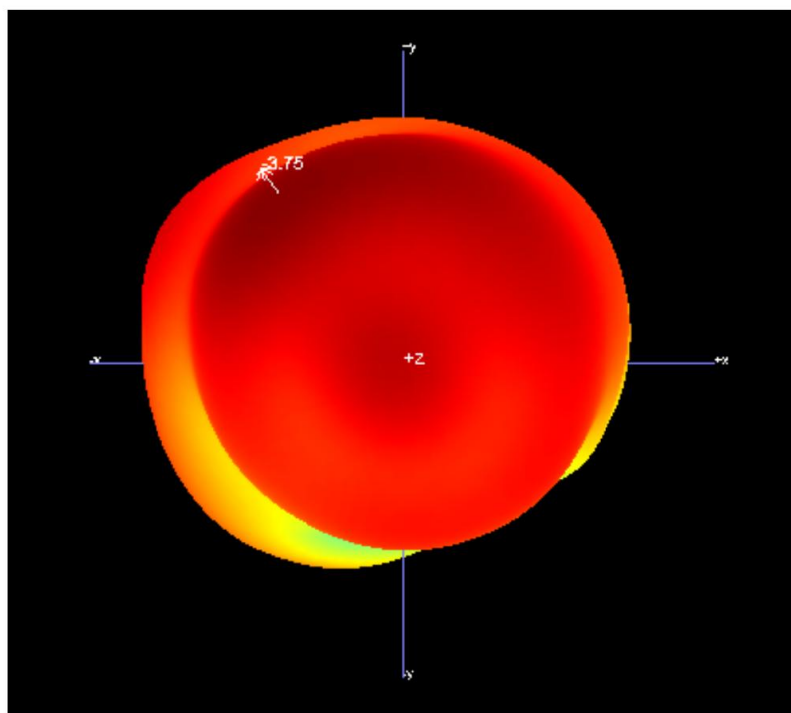


THETA 90 度

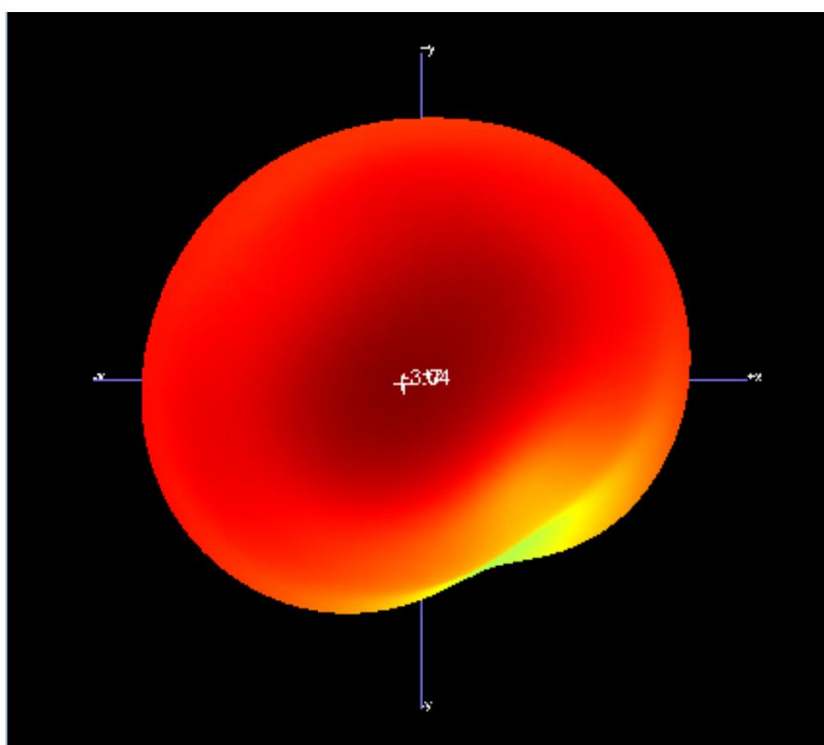
七、3D Radiation Pattern:



2400MHz



2450MHz



2500MHz