

蓝牙天线规格书

BT Antenna Product Approval

Manufacturer : ShenZhen ShanWan Technology Co., Ltd

Adress : 5 / F, building 33, chentian Industrial Zone, chentian community, Xixiang street, Bao'an District, Shenzhen, Guangdong, China

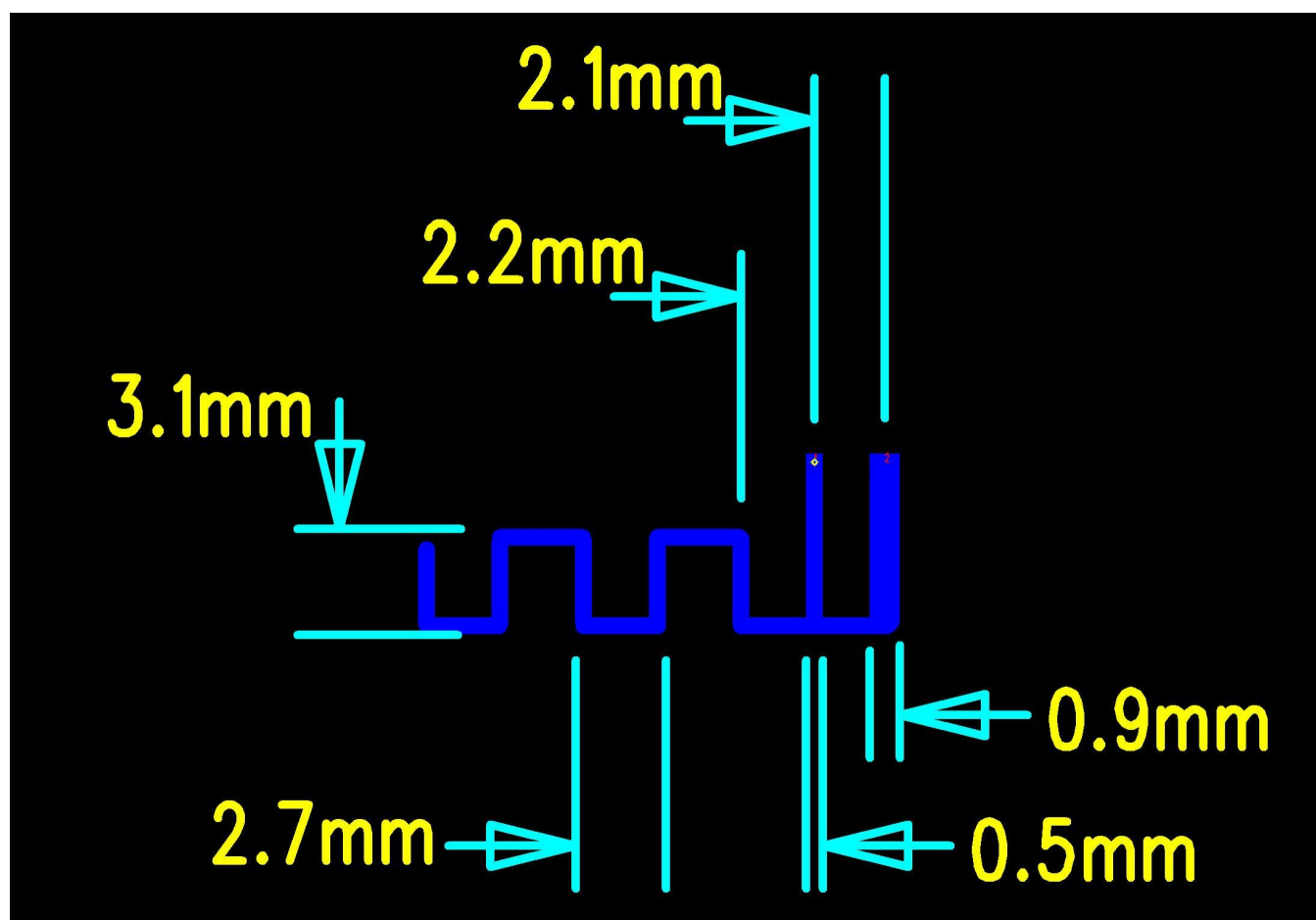
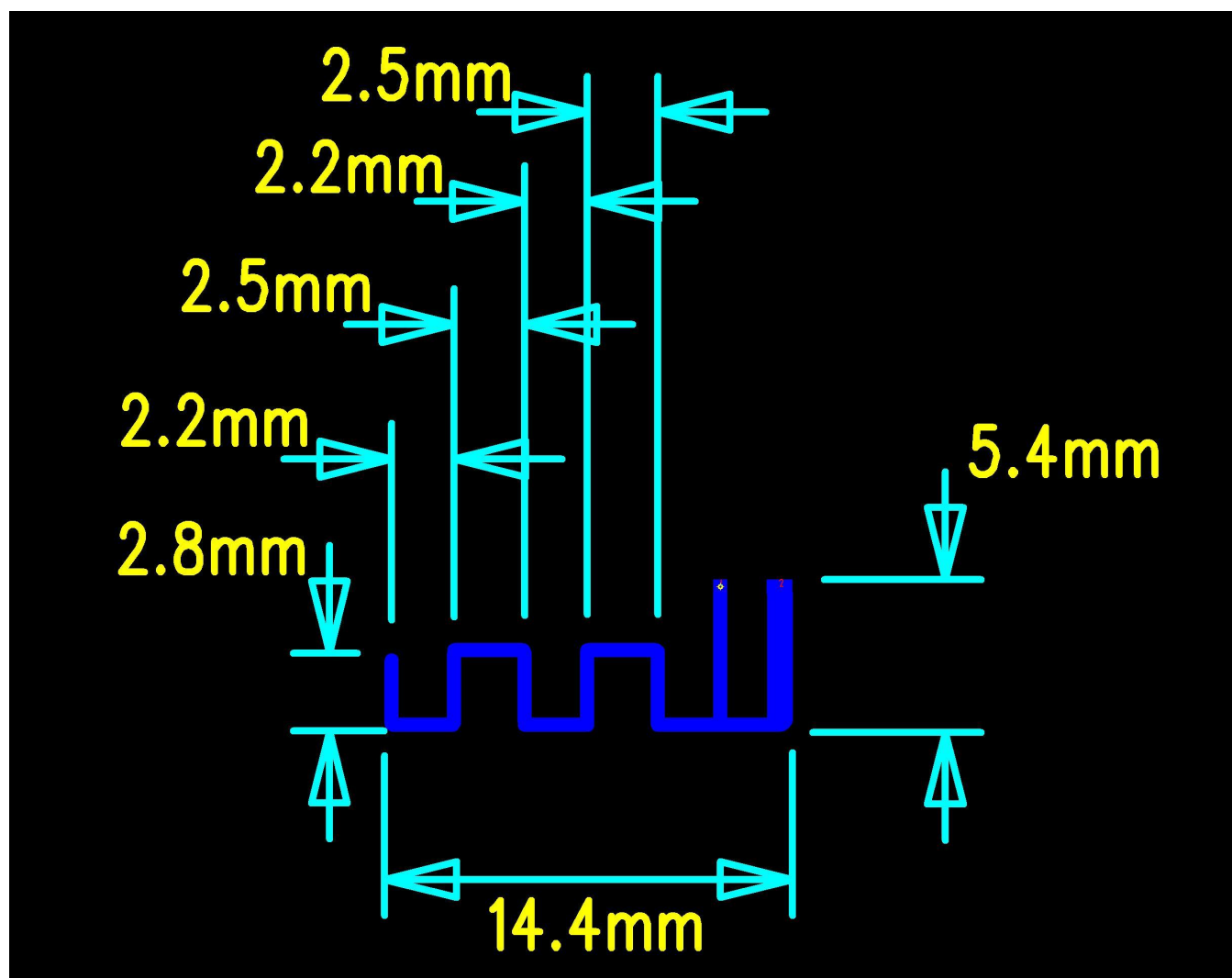
Model: 2.4G ANT

一、Antenna Introduction

PCB printed antenna, suitable for single-sided and multi-layer PCB boards

二、Antenna Appearance

1Dimensions: 14.5mm * 5.4mm



三、Antenna Parameters

Bluetooth works at 2402-2480MHz.

The following table shows the main parameters of the antenna

Bluetooth Internal Antenna	
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、Antenna Test Report

Spectrum Detector: PK

Test Date : June 8, 2013

Test By: Andy

Temperature : 28°C

Test Result: PASS

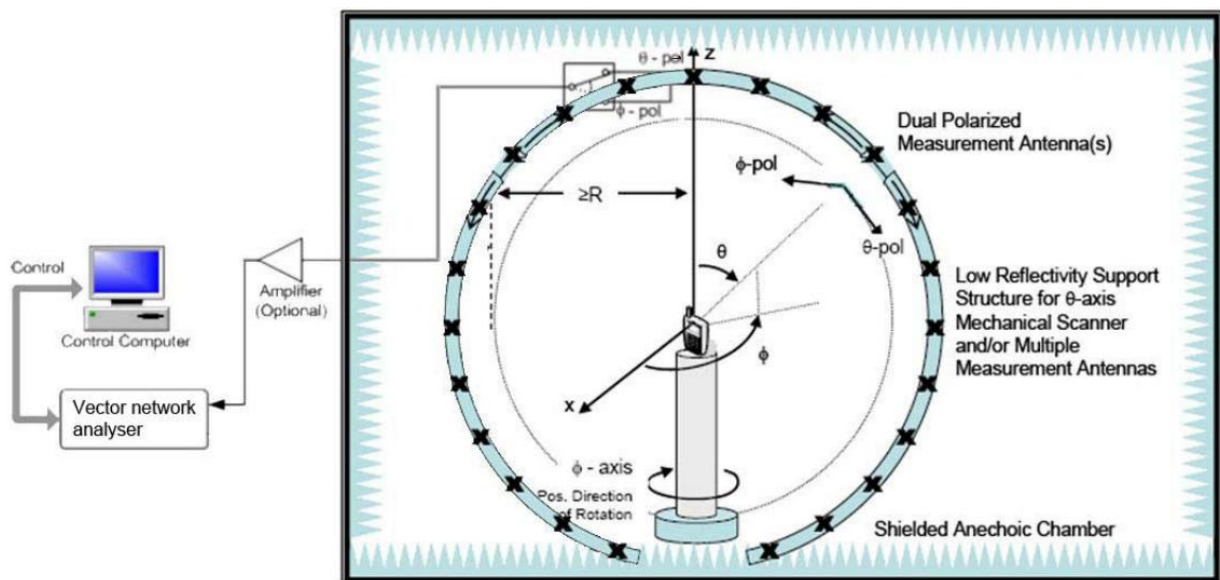
Humidity : 55 %

Modulation: GFSK

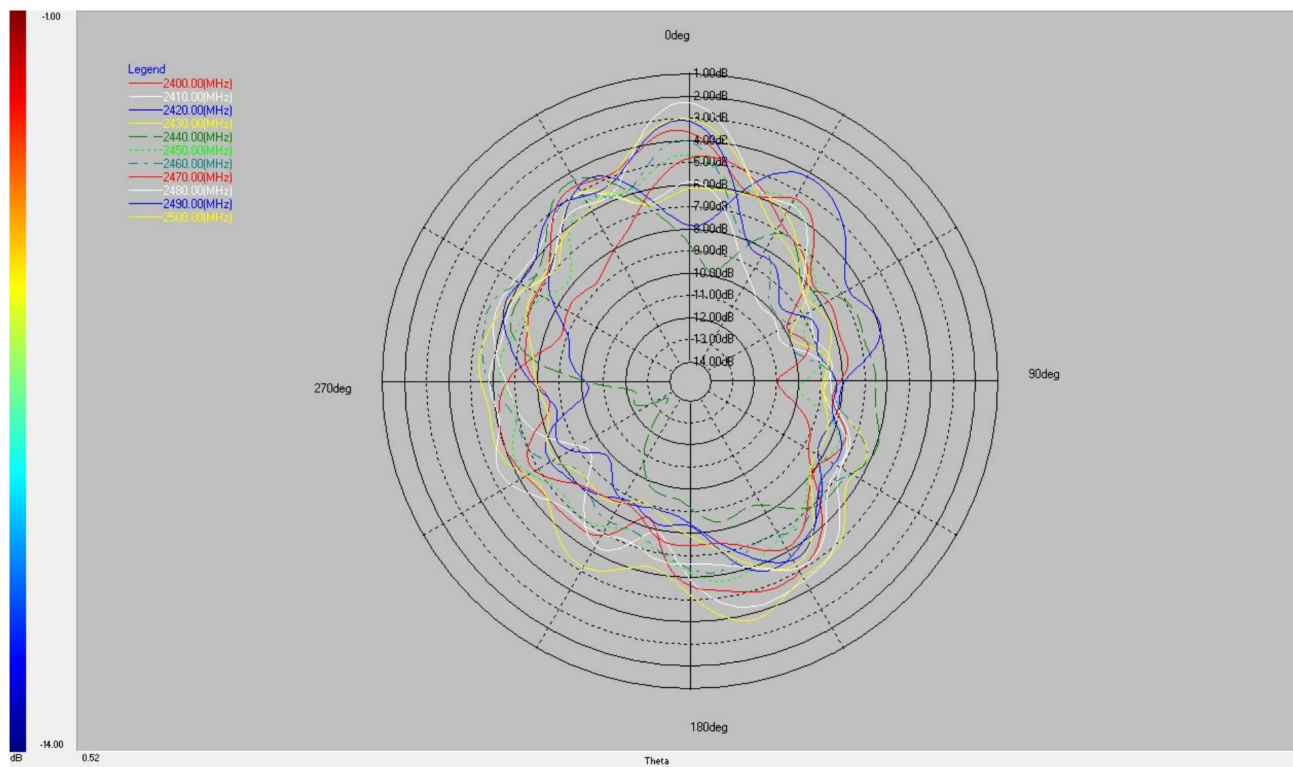
Maximum Antenna Gain

Frequency VNA : (MHz)	E Total. dB(dB)
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

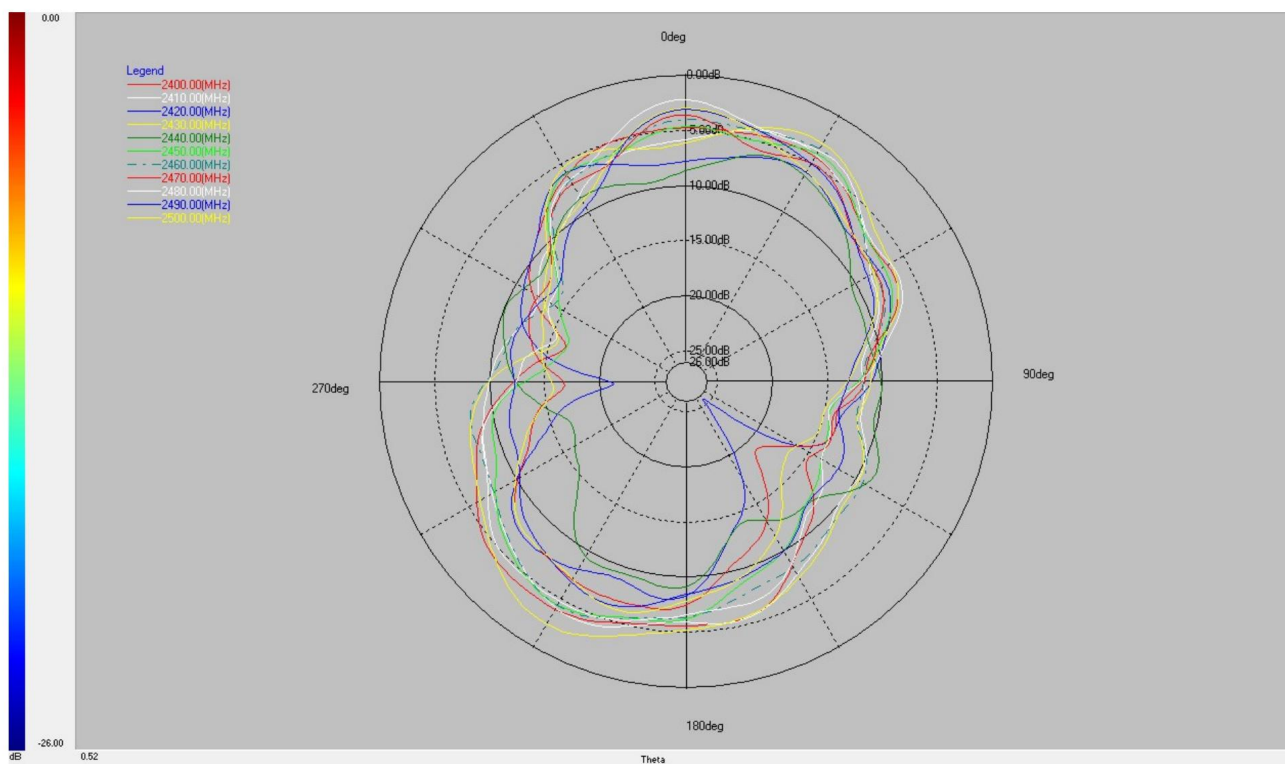
五、Test Setup:



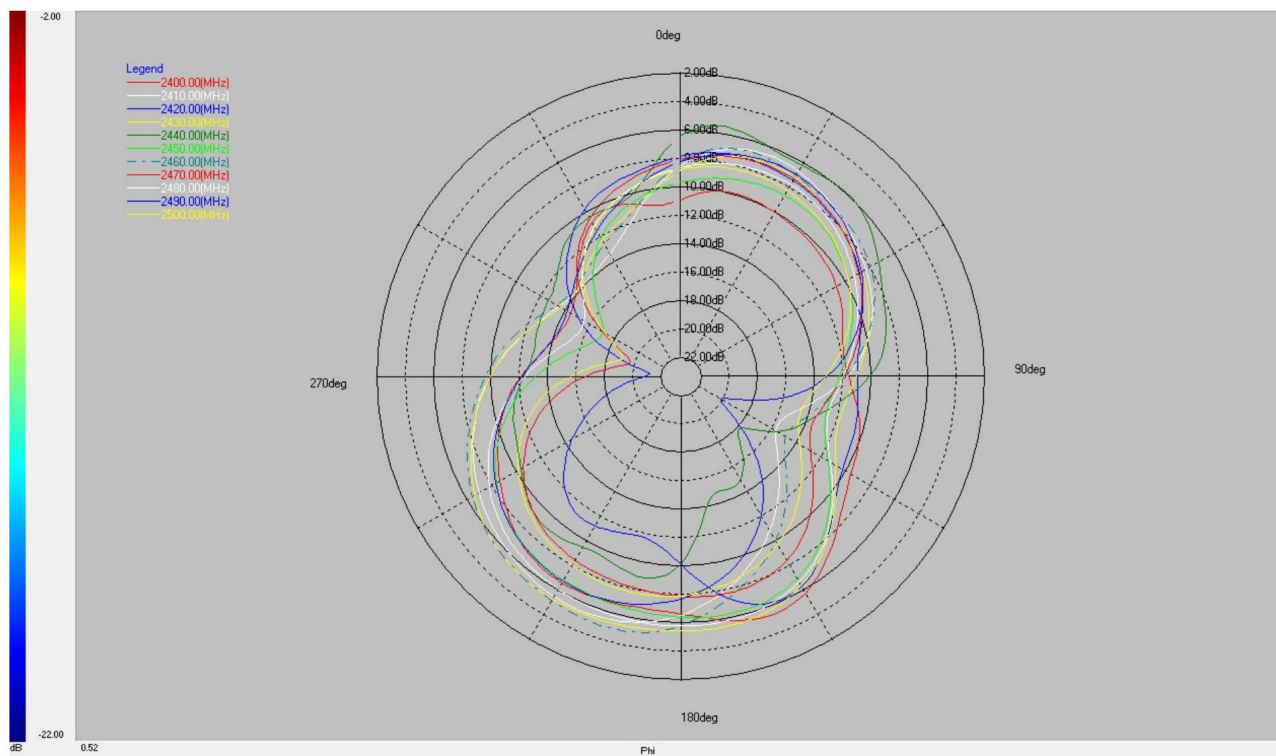
六、2D Radiation Pattern



PHI 0

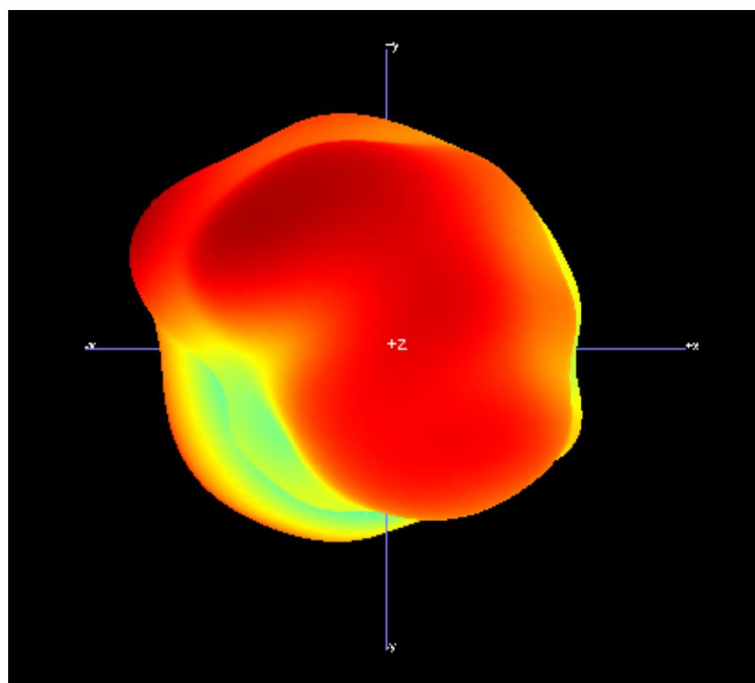


PHI 90

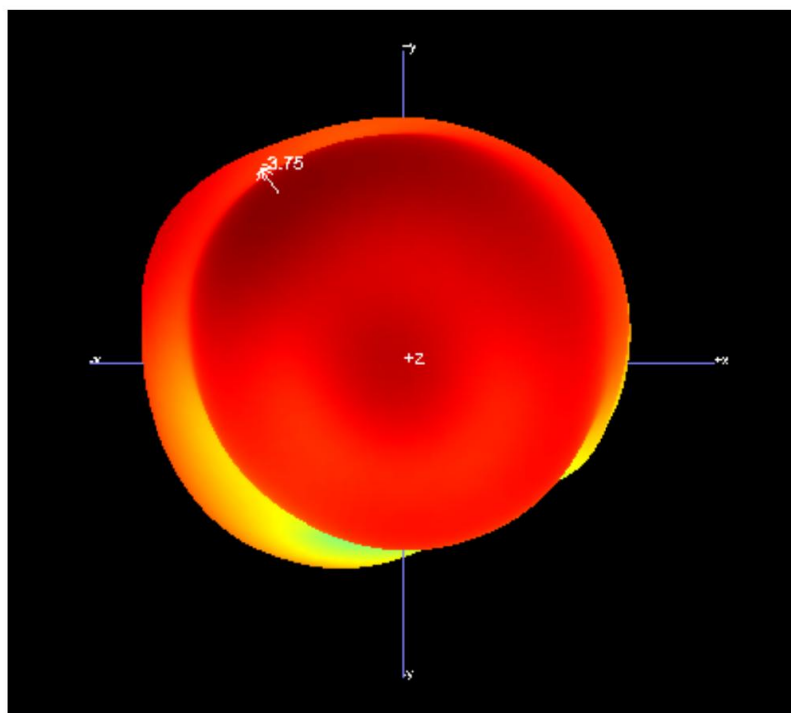


THETA 90

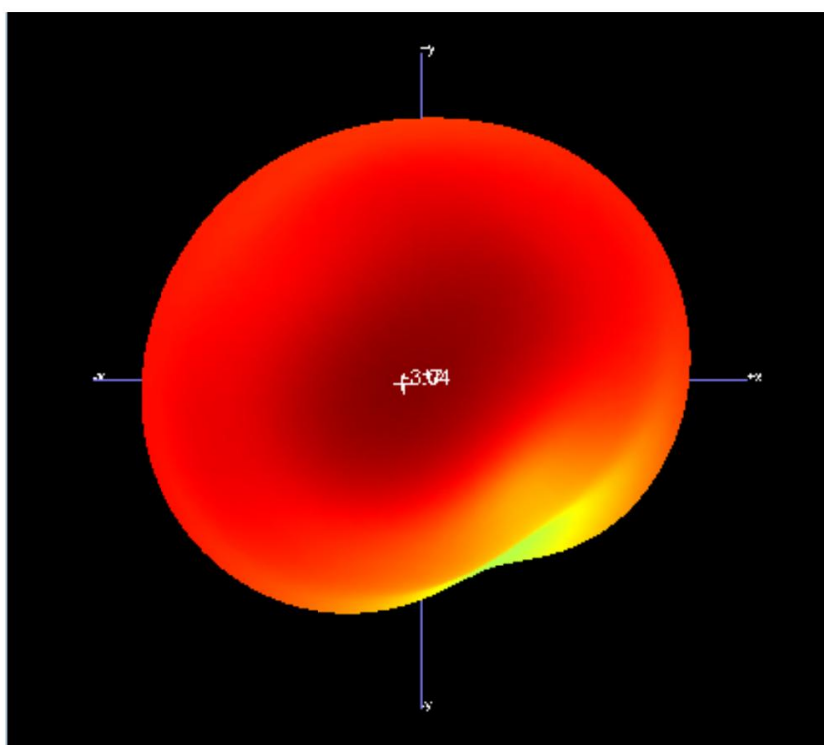
七、3D Radiation Pattern:



2400MHz



2450MHz



2500MHz