

蓝牙天线规格书

BT Antenna Product Approval

时间：2022.11.18

一、天线简介

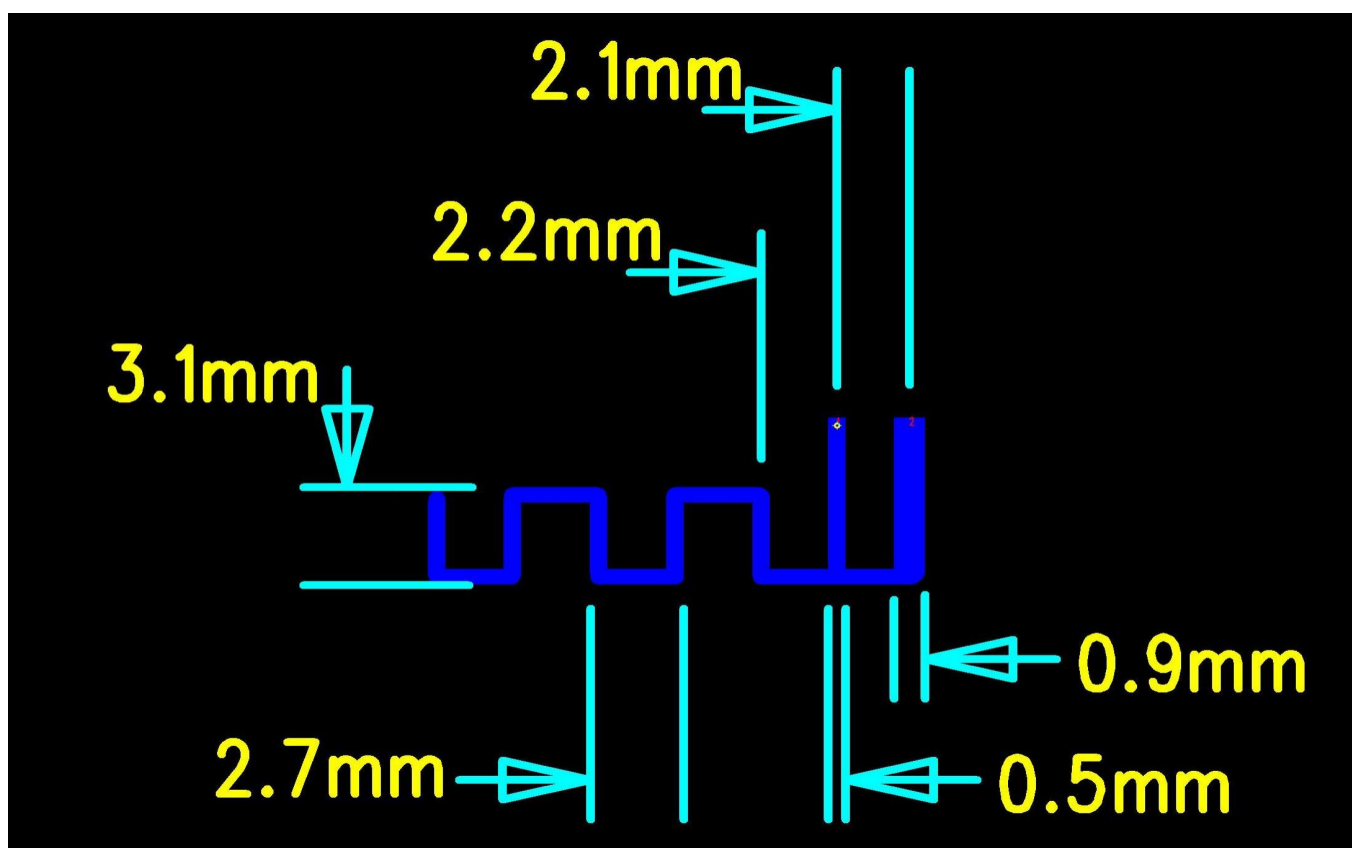
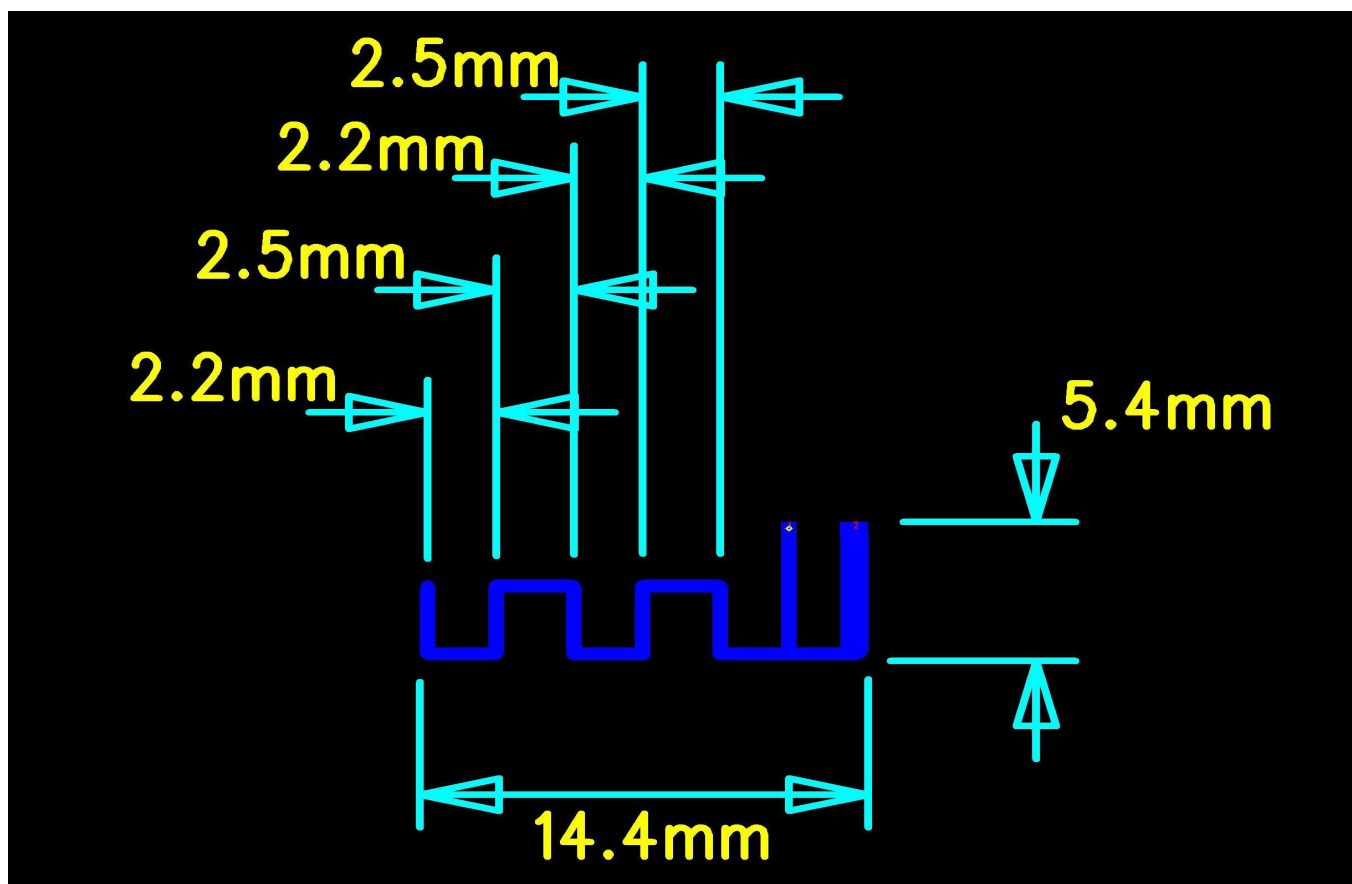
我司蓝牙天线直接采用做在 PCB 板上的板载方式,天线为铜泊加喷锡工艺,
铜箔厚度: 1OZ, 板材为 FR-4 厚度 1.6mm 材料

二、天线外形

Manufacturer: Targetever (GuangDong) Technology Co.Ltd.

Address: Building 11, Lang Yuan, 16 Chenghai Avenue, Zhongkai High-Tech Zone, Huizhou, Guangdong Province, China

2、尺寸图：14.5mm * 5.4mm



三、天线参数

蓝牙工作频率在 2400-2480MHz，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)	2400 ~ 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

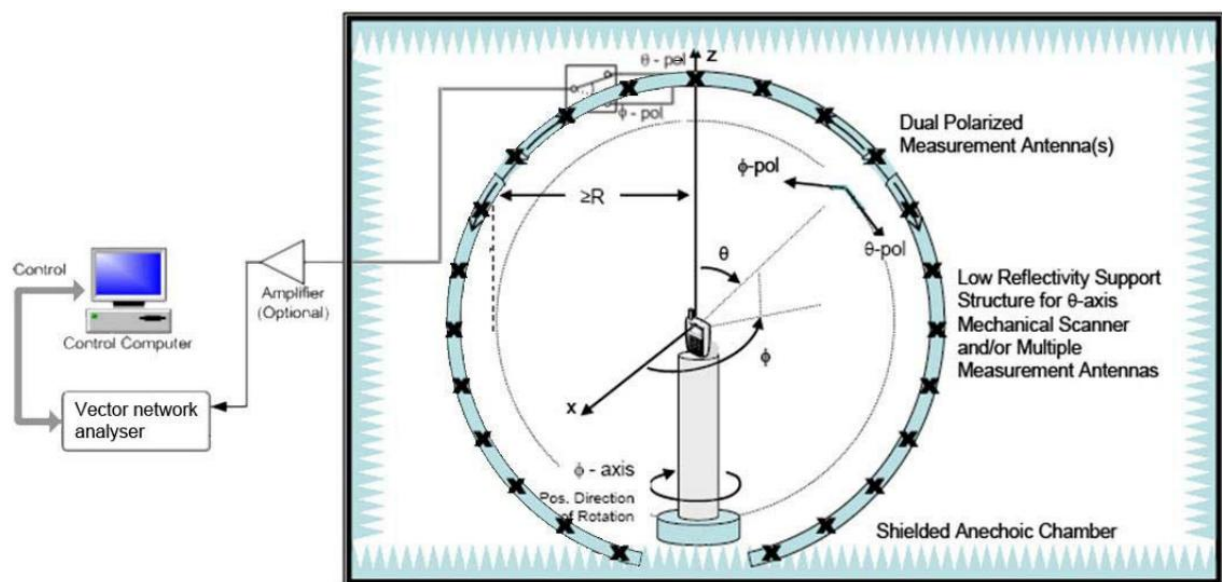
Humidity : 55 %

Modulation: GFSK

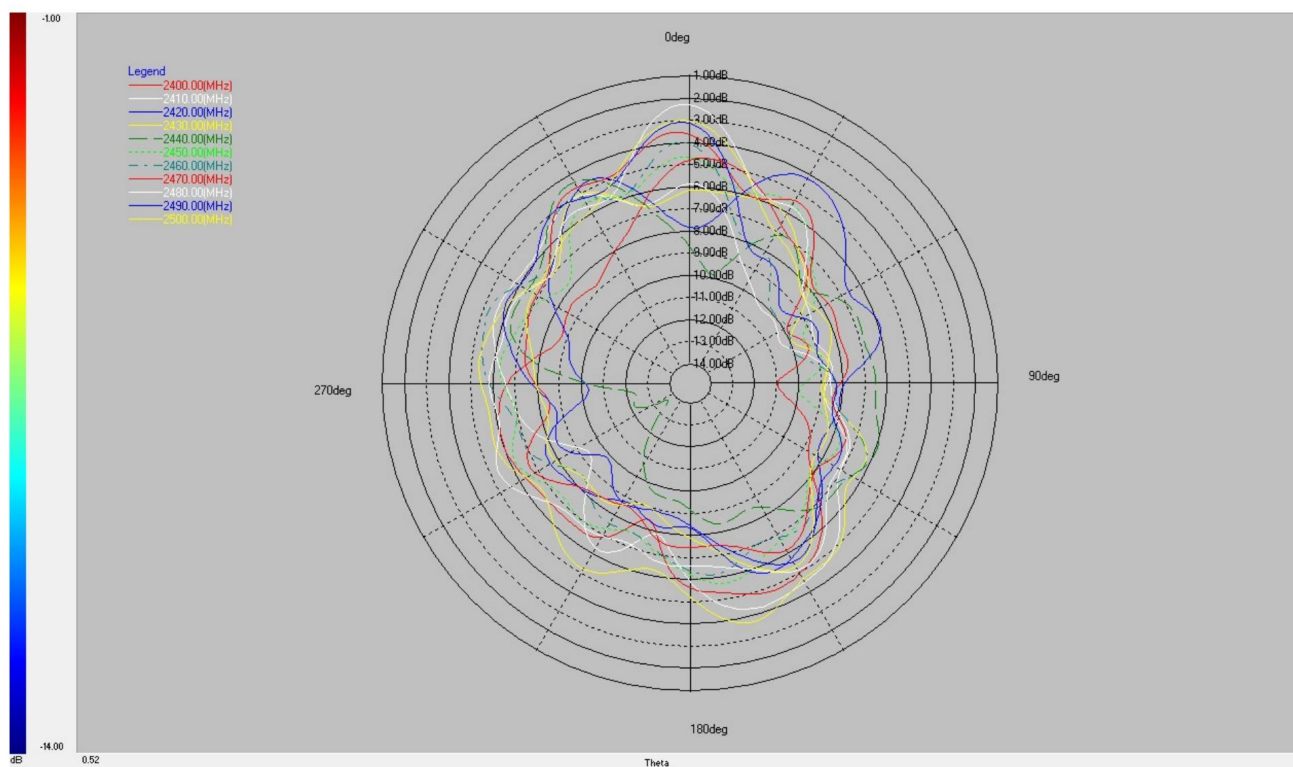
最大增益值:

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

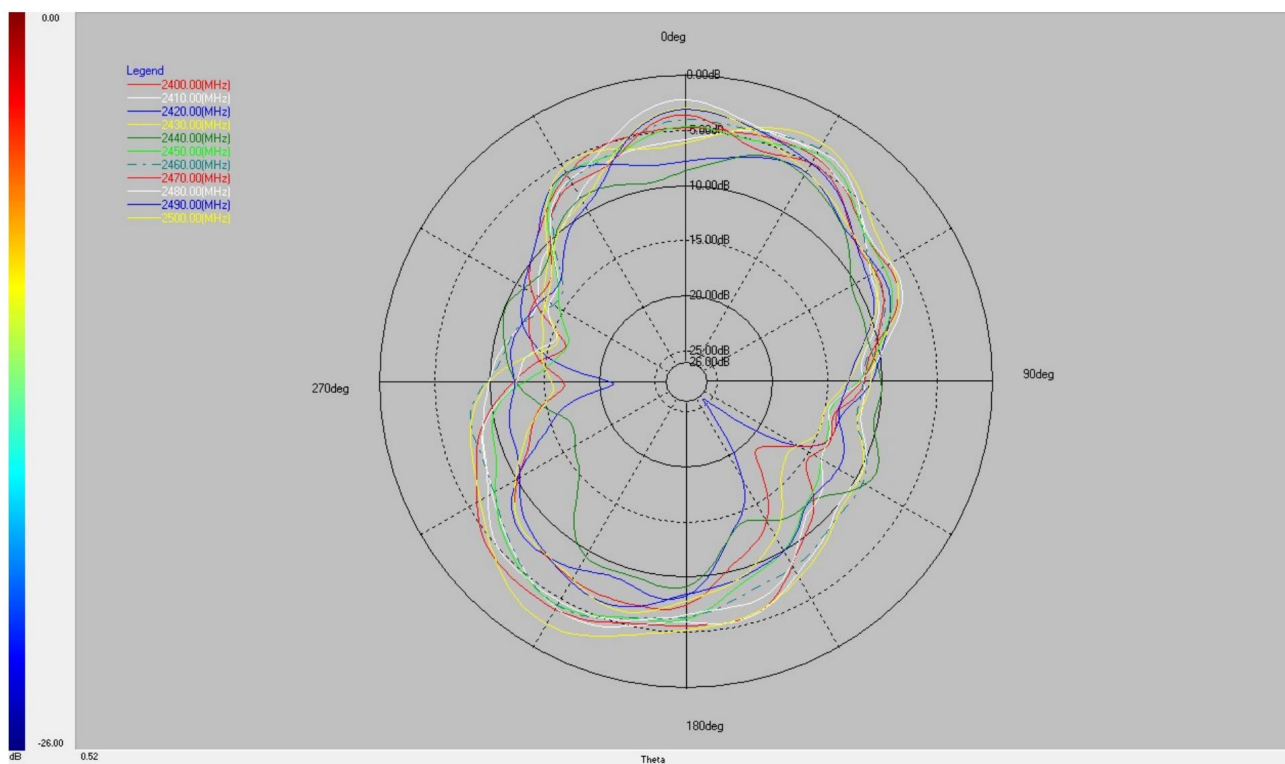
五、Test Setup:



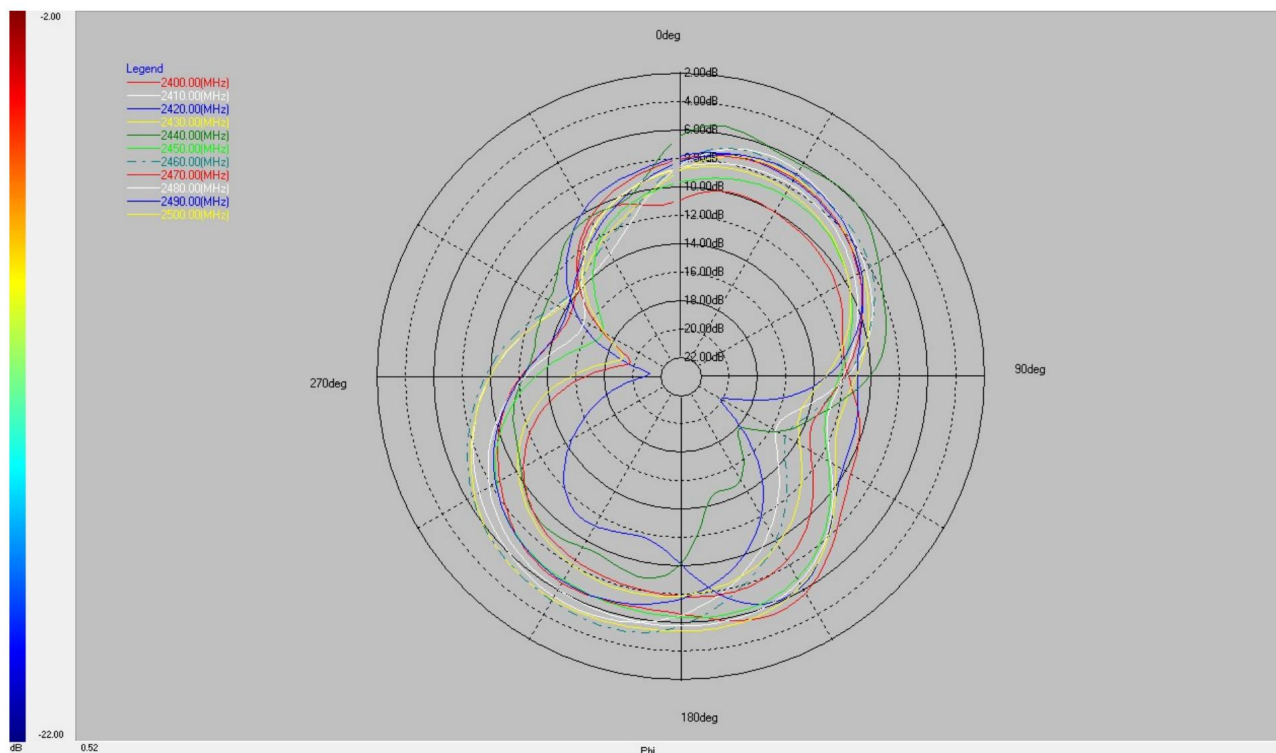
六、2D Radiation Pattern



PHI 0 度

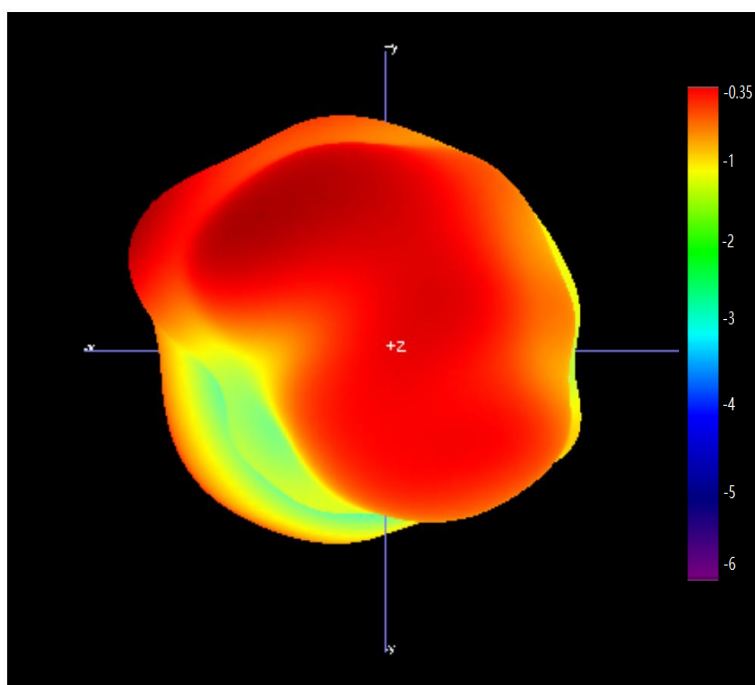


PHI 90 度

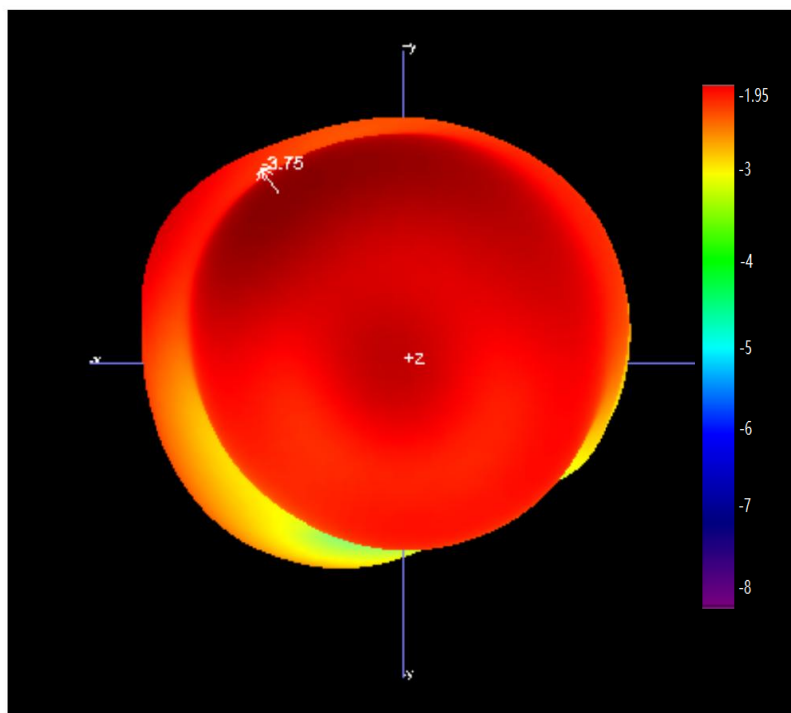


THETA 90 度

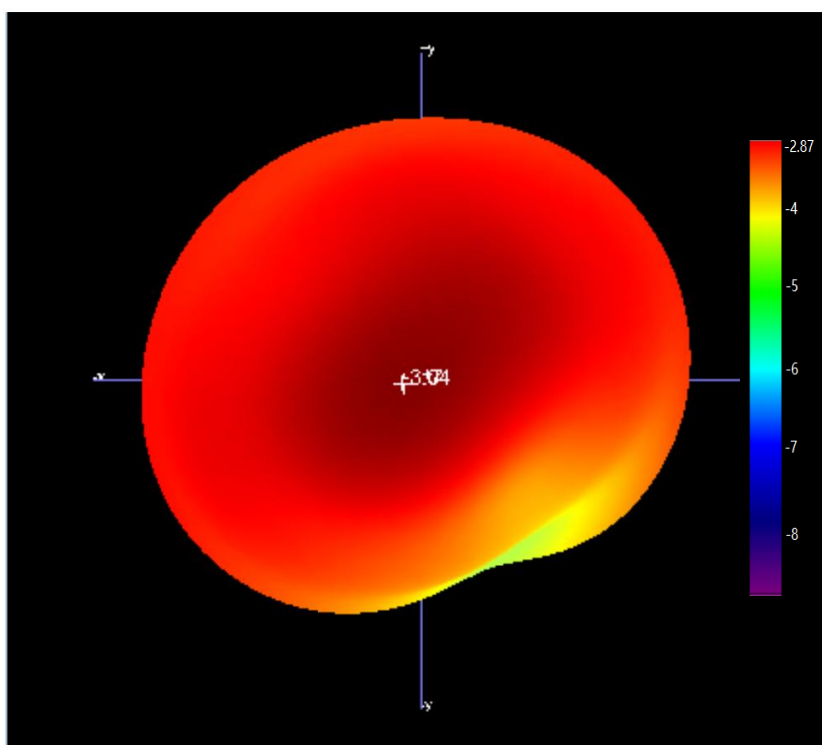
七、3D Radiation Pattern:



2400MHz



2450MHz



2500MHz