

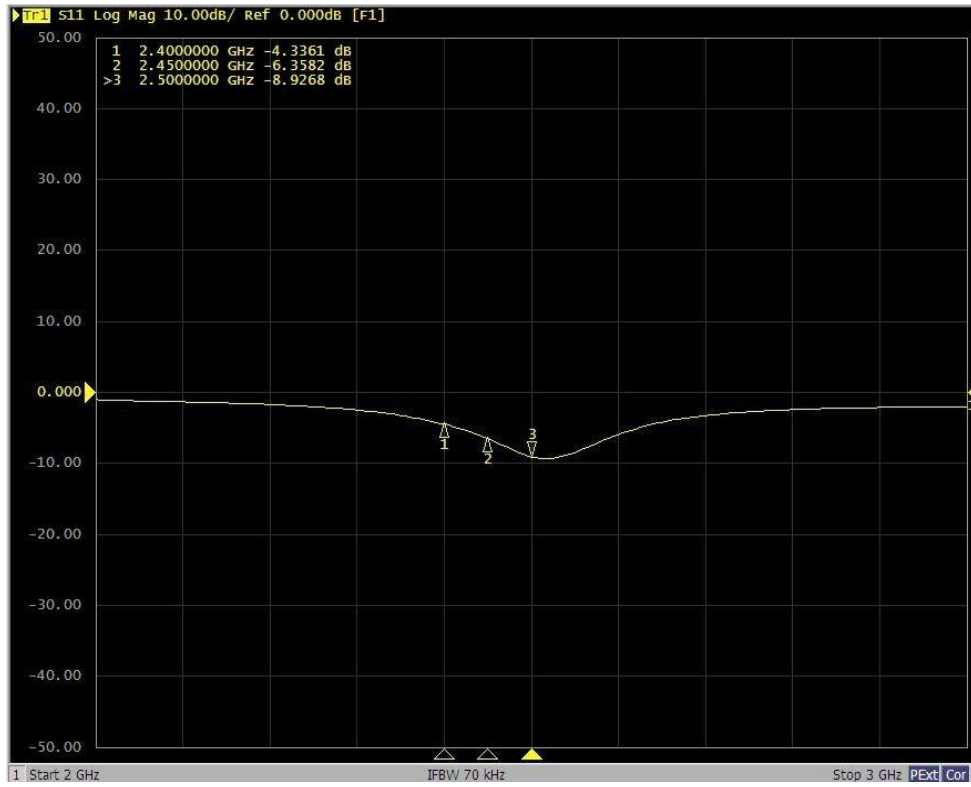
JDY-23 蓝牙天线测试报告

-RFsister

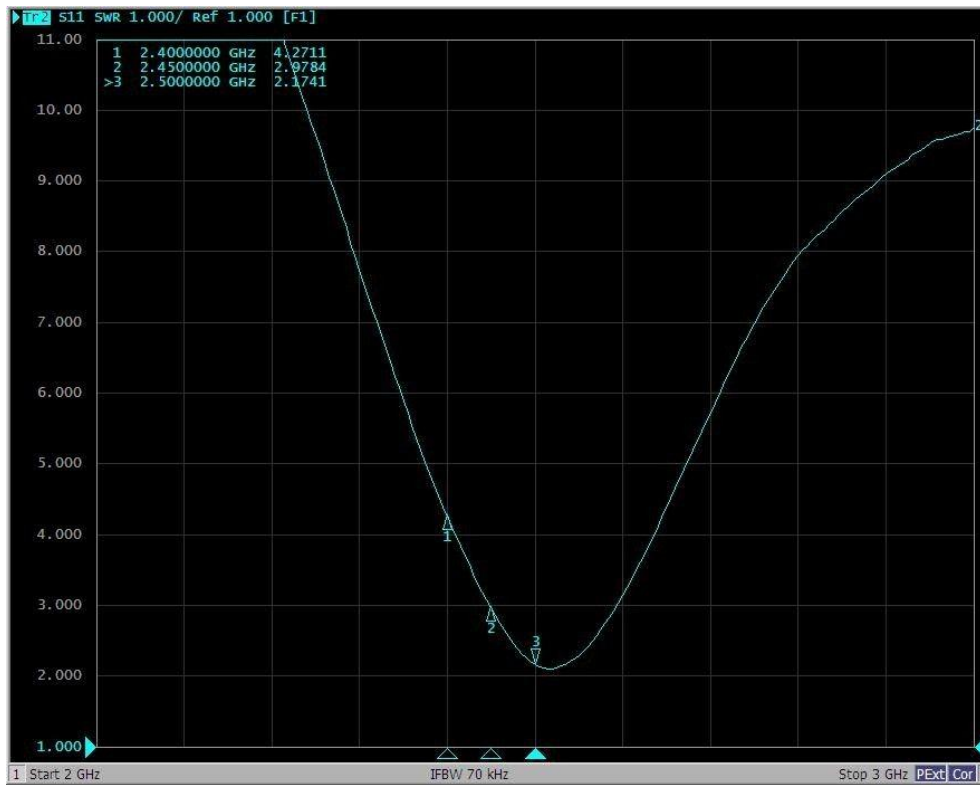
1.Electrical Characteristics

No.	Item	Specifications
1	Working Central Frequency	2450 MHz
2	Band Width	± 75 MHz (2400~2500MHz)
3	Gain	(-5.86) - (-3.68) dbi
4	V.S.W.R (in BW)	≤ 4.3
5	Polarization	Linear
6	Azimuth Beam width	Omni-directional
7	Impedance 阻抗	50

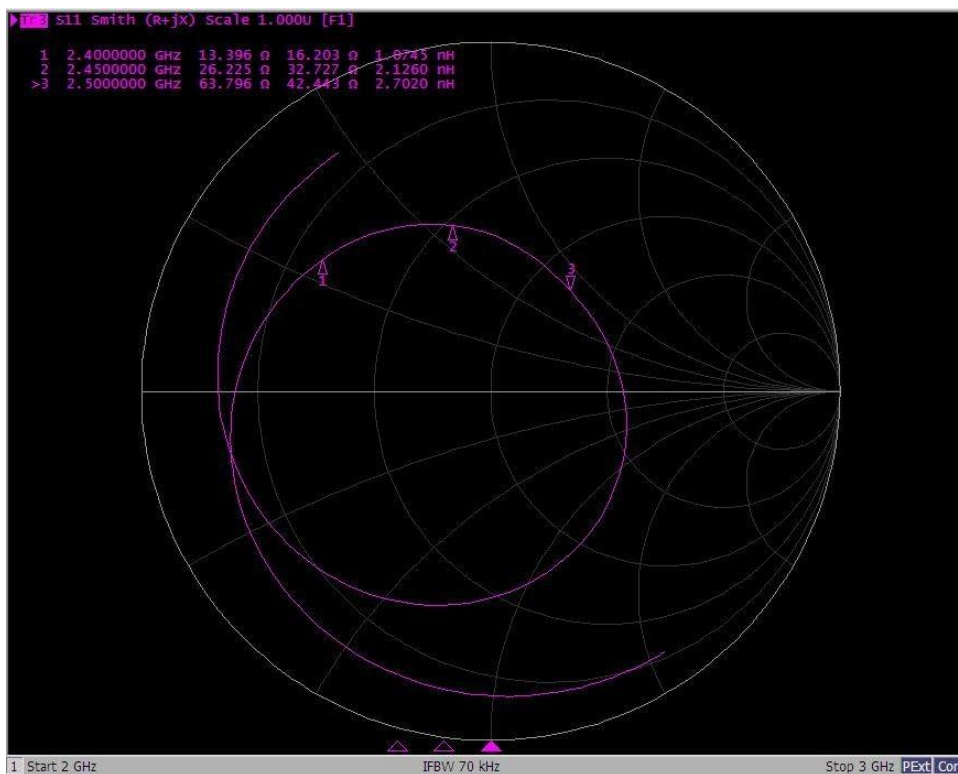
2.Return Loss and Smith Chart Return Loss



V.S.W.R



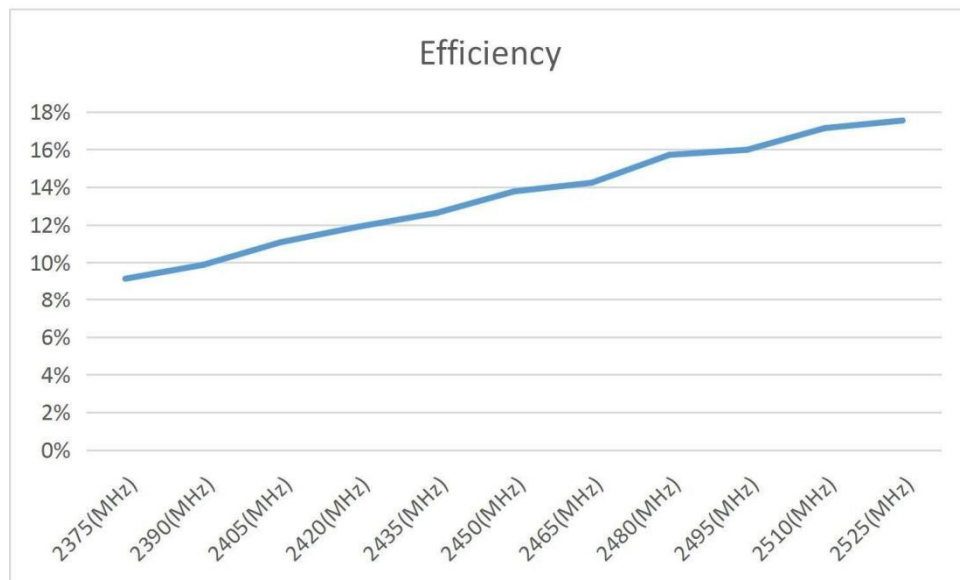
Smith Chart

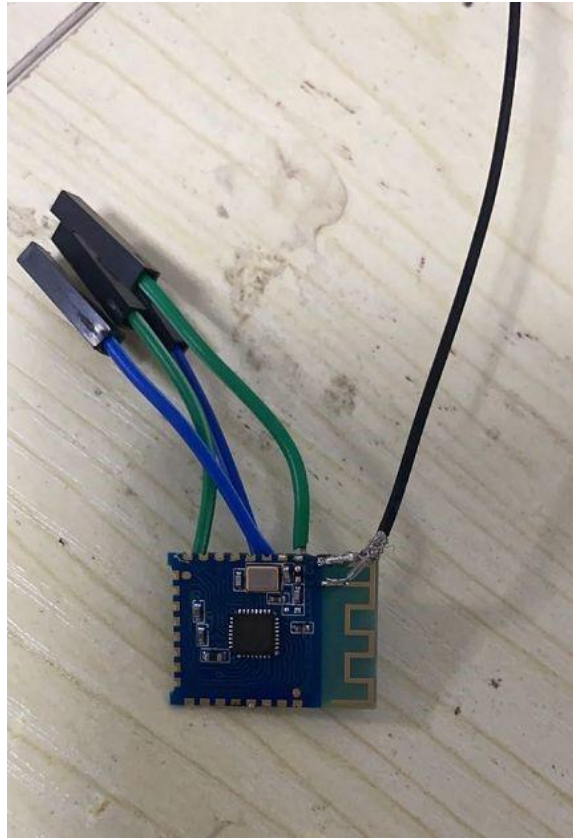


3.Physical Test Environment

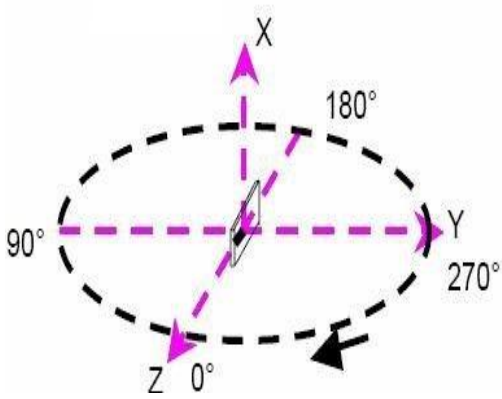
E5071C 网络分析仪

4.Shape of the antenna

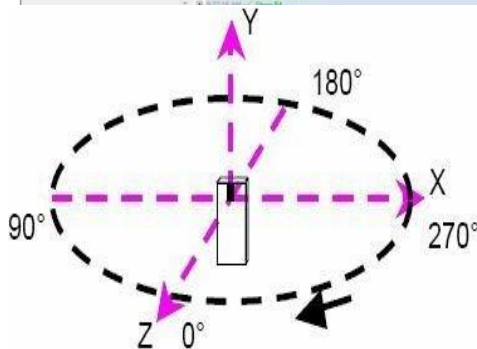
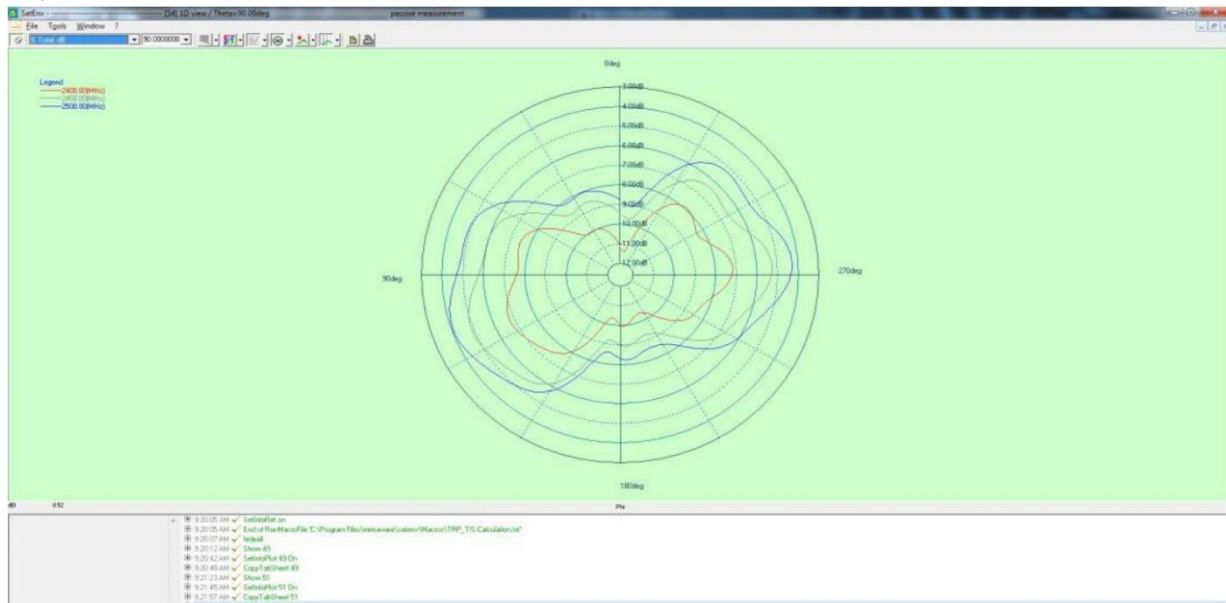




Efficiency:



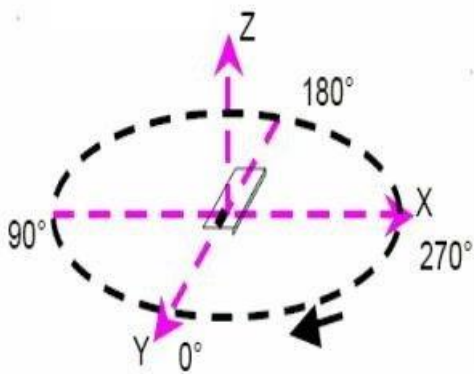
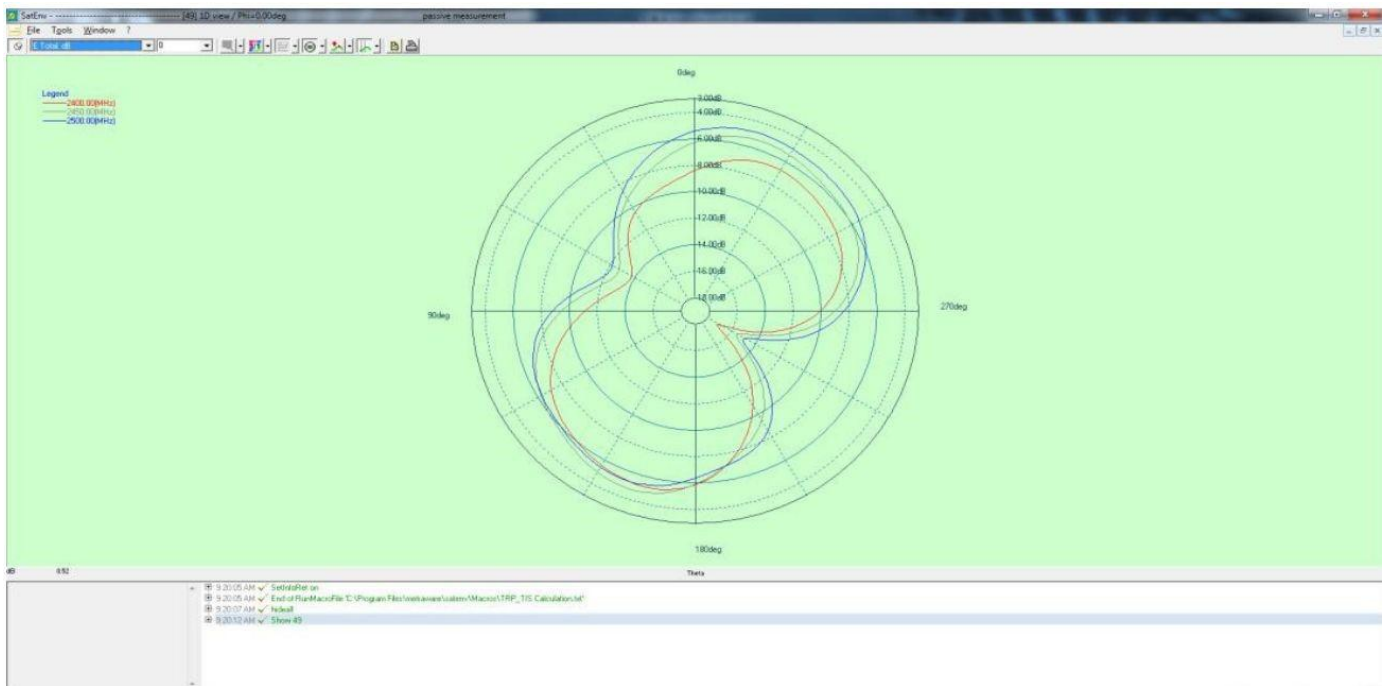
H pattern



E1 pattern

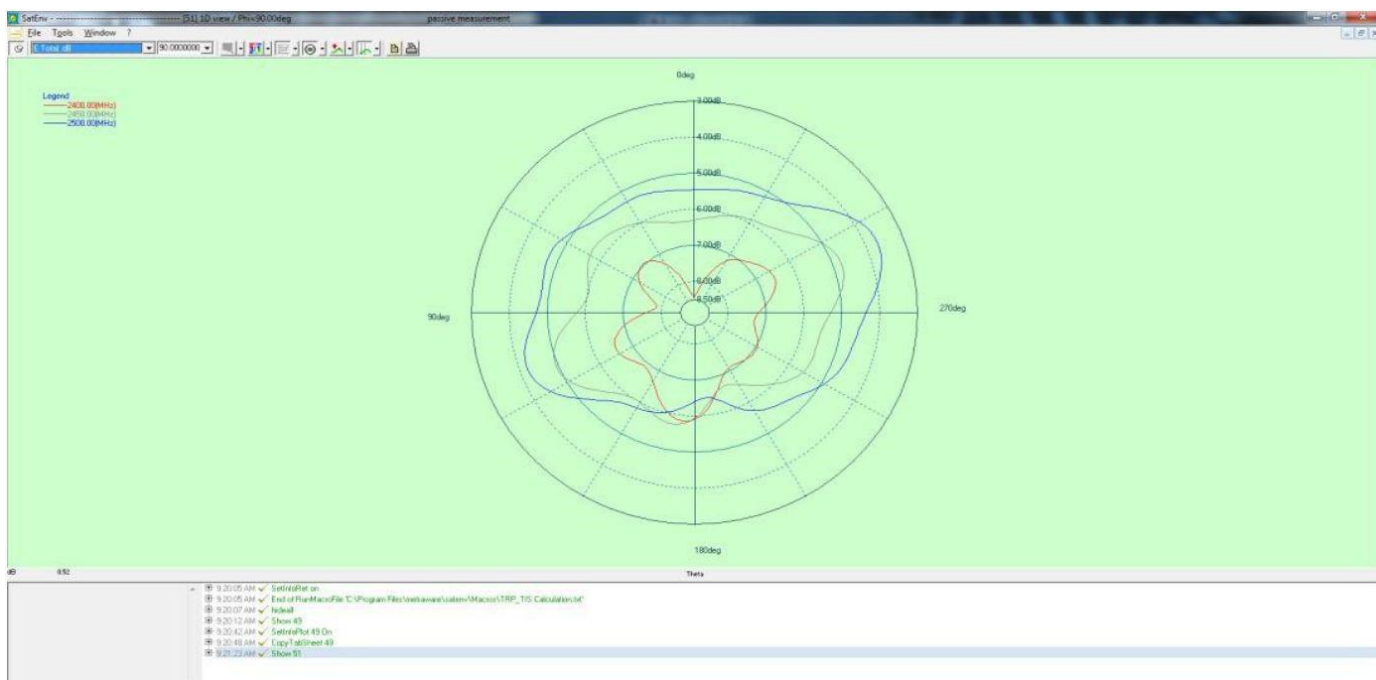
Fre(MHz)	Max gain(dB)	Degree
2400 (MHz)	-6.79 dB	114.00 deg
2450 (MHz)	-4.92 dB	112.00 deg
2500 (MHz)	-4.07 dB	108.00 deg

Fre(MHz)	Max gain(dB)	Degree
2400 (MHz)	-5.29 dB	164.00 deg
2450 (MHz)	-4.80 dB	160.00 deg
2500 (MHz)	-4.87 dB	-20.00 deg



E2 pattern

Fre(MHz)	Max gain(dB)	Degree
2400 (MHz)	-5.86 dB	174.00 deg
2450 (MHz)	-4.78 dB	-70.00 deg
2500 (MHz)	-3.68 dB	-68.00 deg



天线类型：PCB 天线
 天线尺寸图如下：

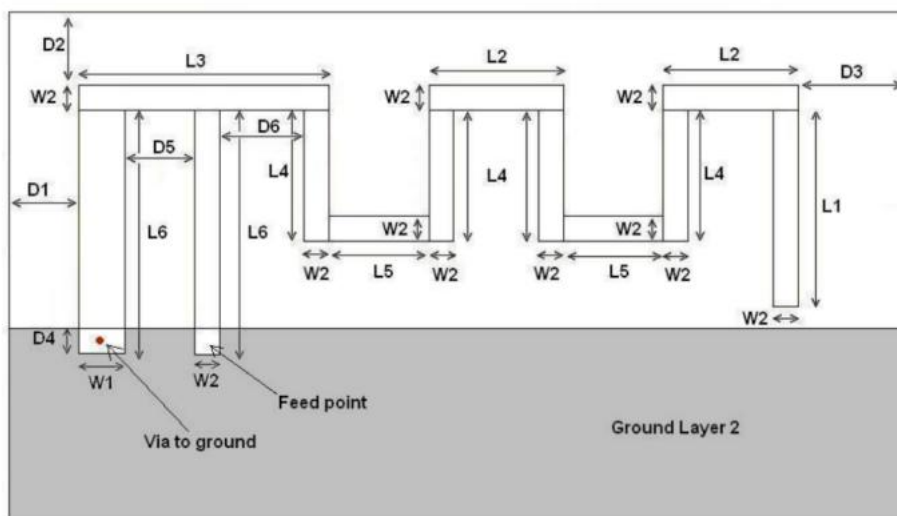


Figure 3: Antenna Dimensions

L1	3.94 mm
L2	2.70 mm
L3	5.00 mm
L4	2.64 mm
L5	2.00 mm
L6	4.90 mm
W1	0.90 mm
W2	0.50 mm
D1	0.50 mm
D2	0.30 mm
D3	0.30 mm
D4	0.50 mm
D5	1.40mm
D6	1.70 mm