

JDY-23 蓝牙天线测试报告

JDY-23 Bluetooth antenna test report

-RFsister

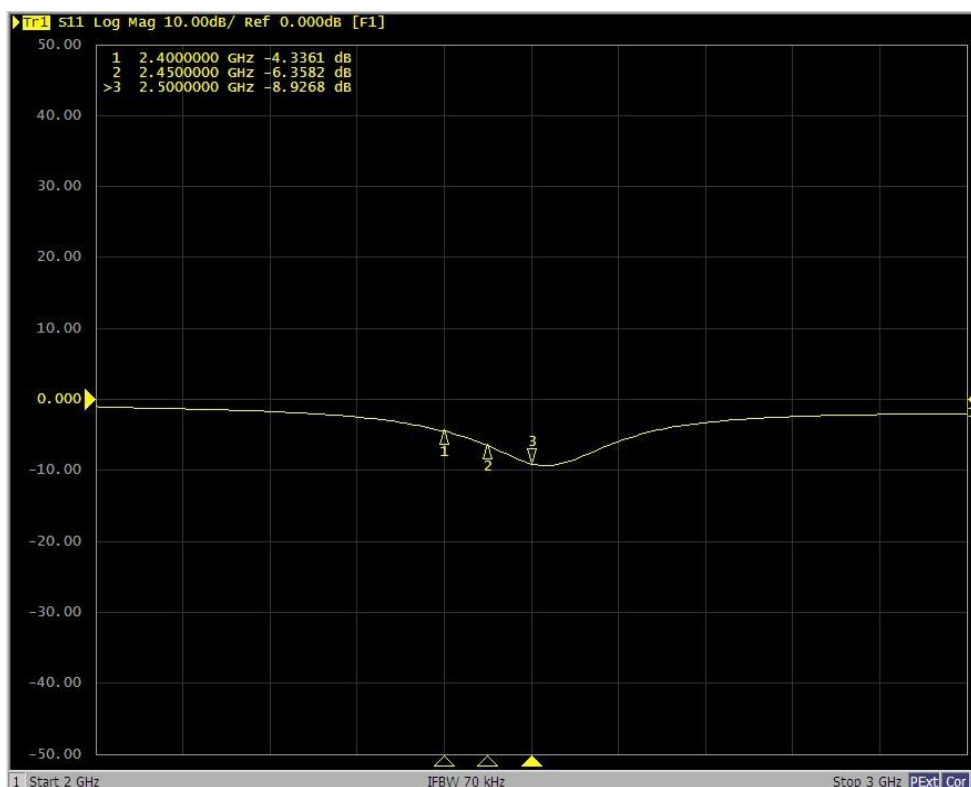
Manufacturer: Signal Fire Technology Co., Ltd.
Address: No.B-6 Qingyang Zone, Jiaolong Industrial
Park, Qingyang District, Chengdu, China

1. Electrical Characteristics

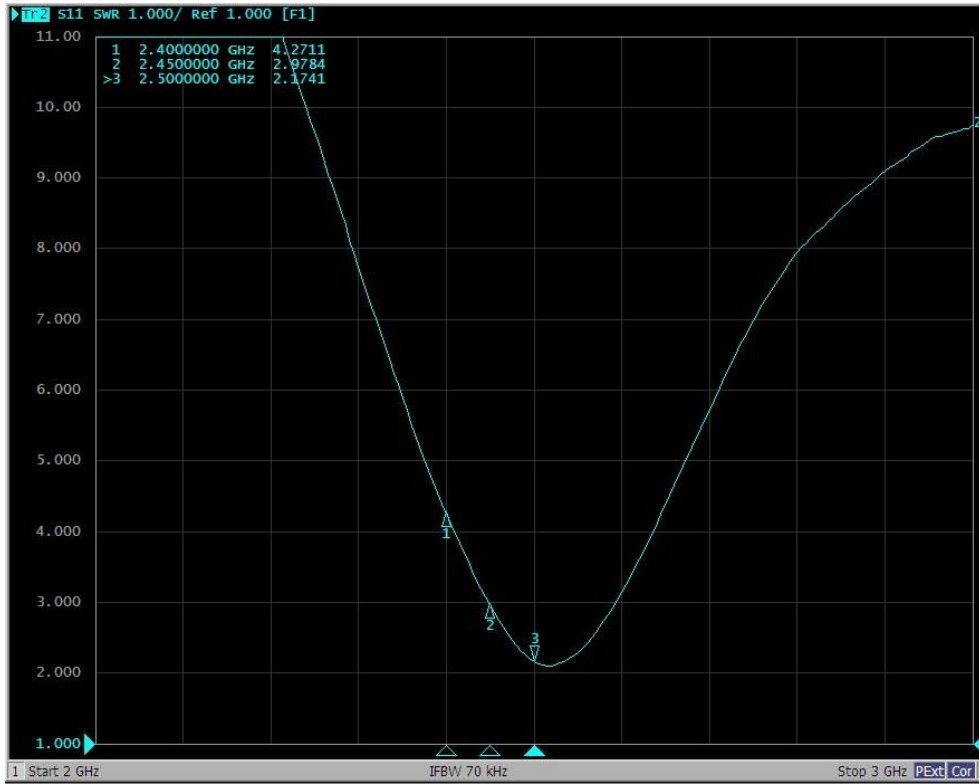
No.	Item	Specifications
1	Working Central Frequency	2450 MHz
2	Band Width	±75 MHz (2400~2500MHz)
3	Gain	-3.68 dBi
4	V.S.W.R (in BW)	≤4.3
5	Polarization	Linear
6	Azimuth Beam width	Omni-directional
7	Impedance 阻抗	50

2. Return Loss and Smith Chart

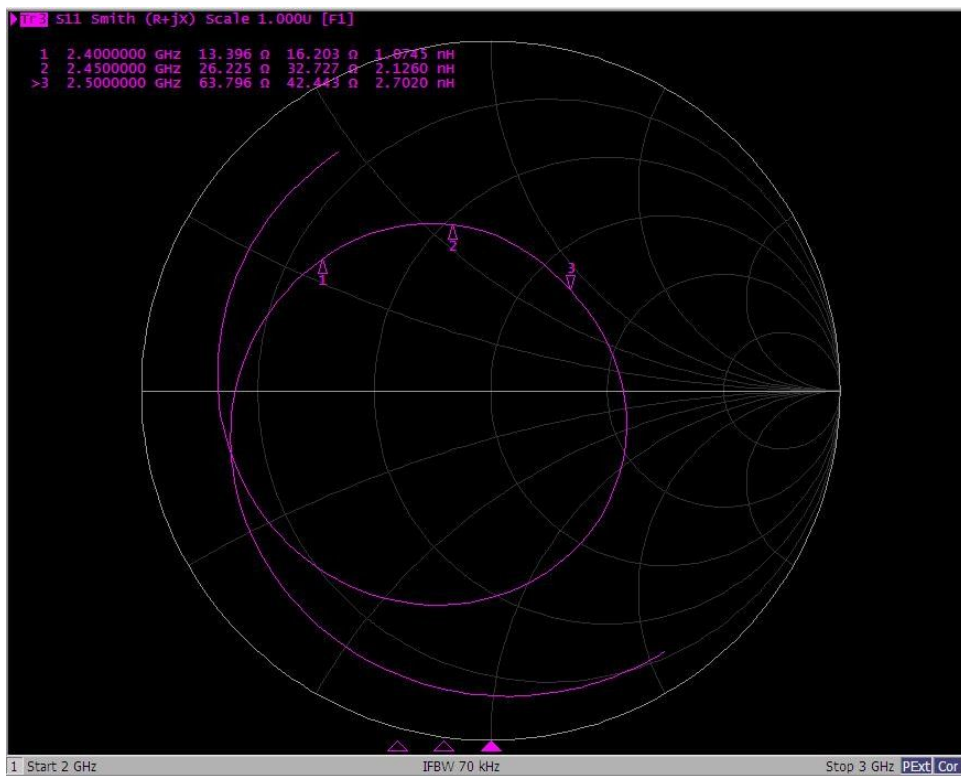
Return Loss



V.S.W.R



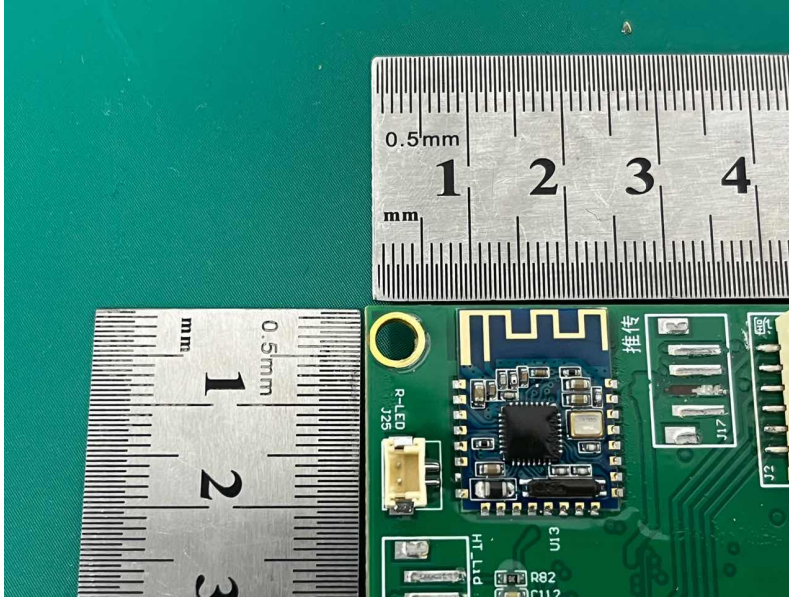
Smith Chart



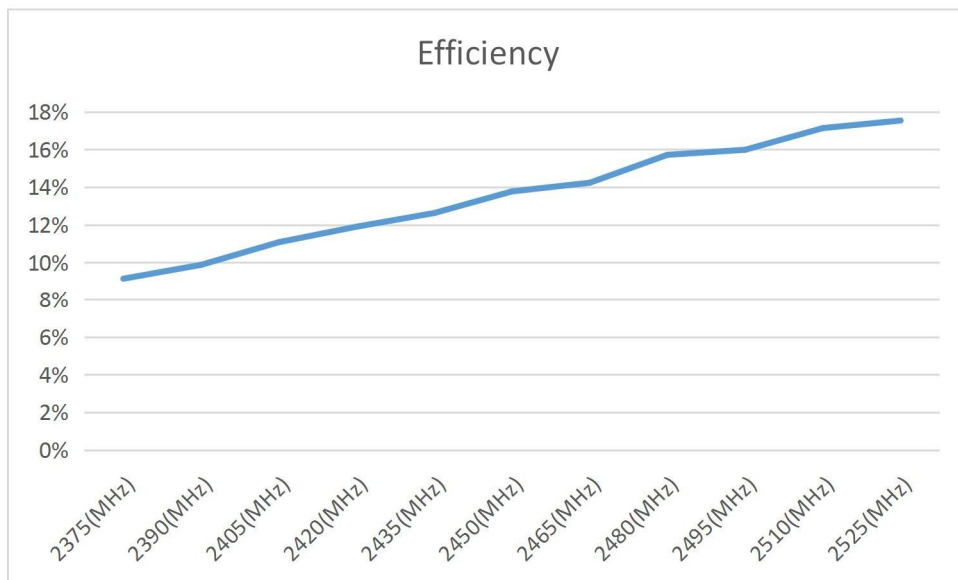
3. Physical Test Environment

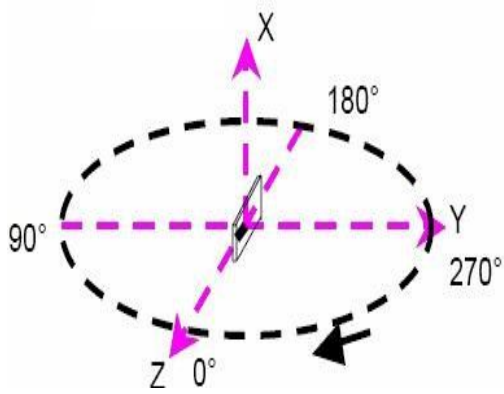
E5071C 网络分析仪

4. Shape of the antenna

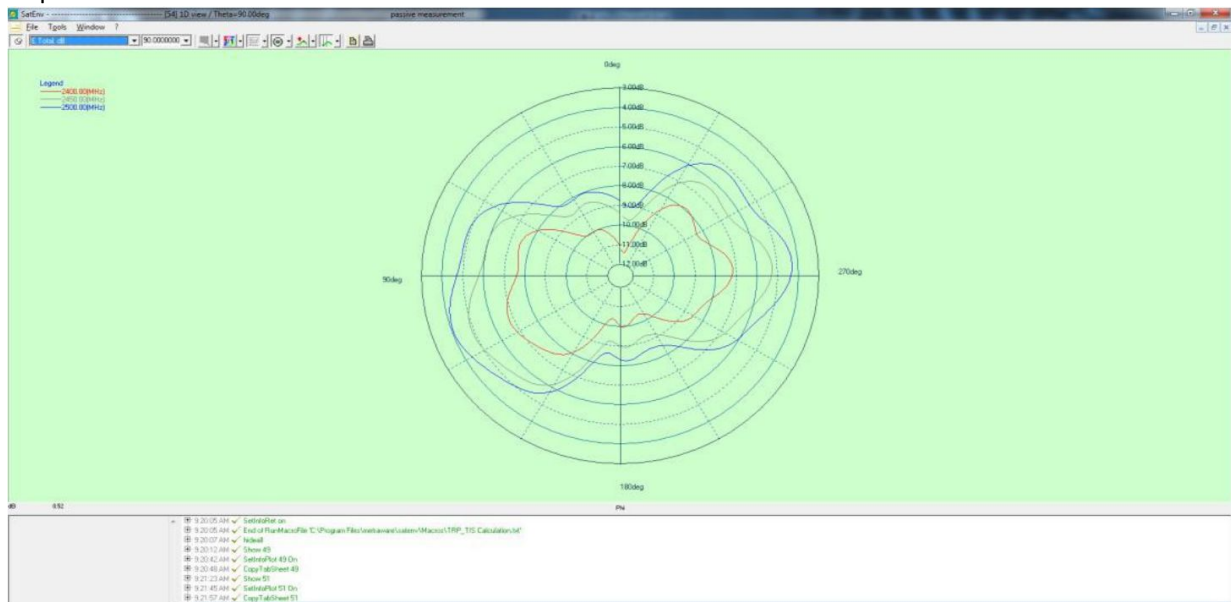


Efficiency:

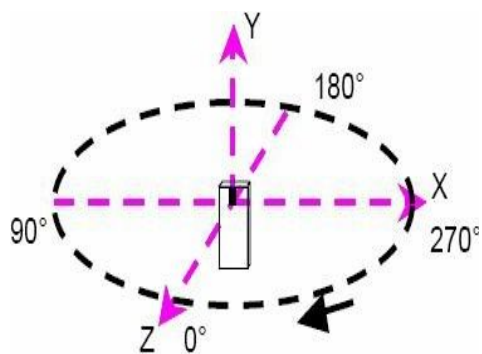




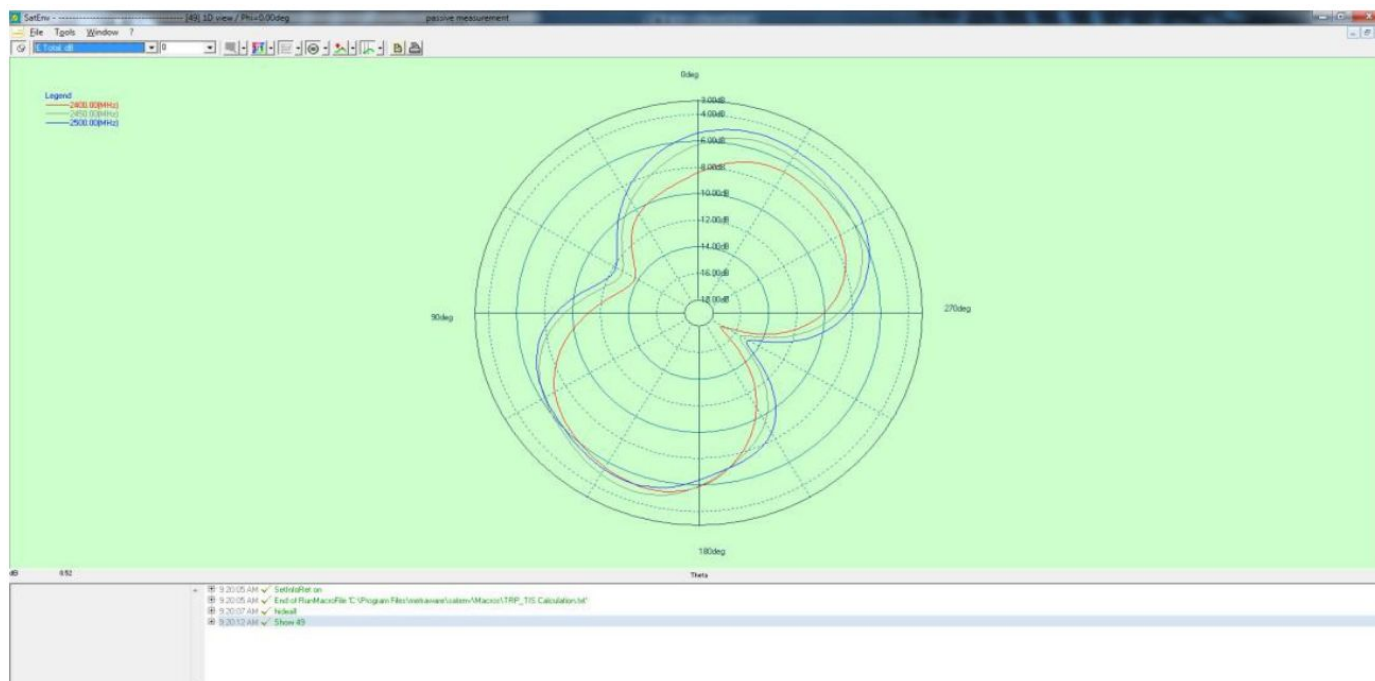
H pattern



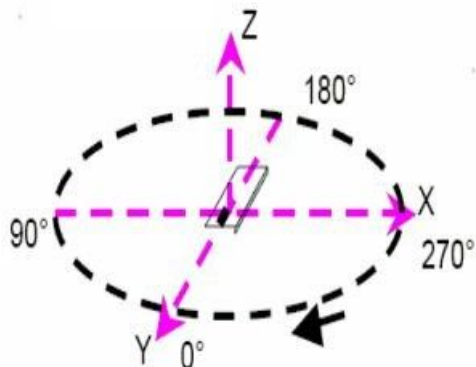
Fre(Mhz)	Max gain(dBi)	Degree
2400 (MHz)	-6.79 dBi	114.00 deg
2450 (MHz)	-4.92 dBi	112.00 deg
2500 (MHz)	-4.07 dBi	108.00 deg



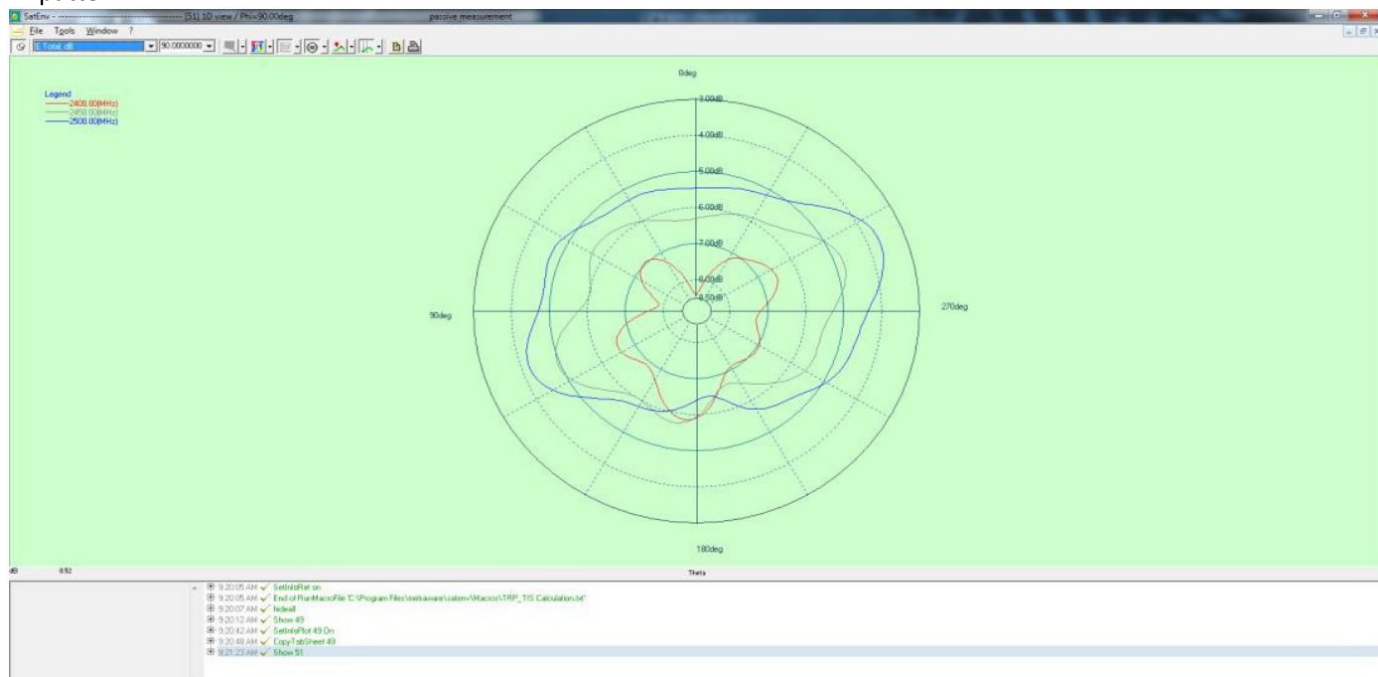
E1 pattern



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



E2 pattern



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