

JDY-23

Bluetooth antenna test report

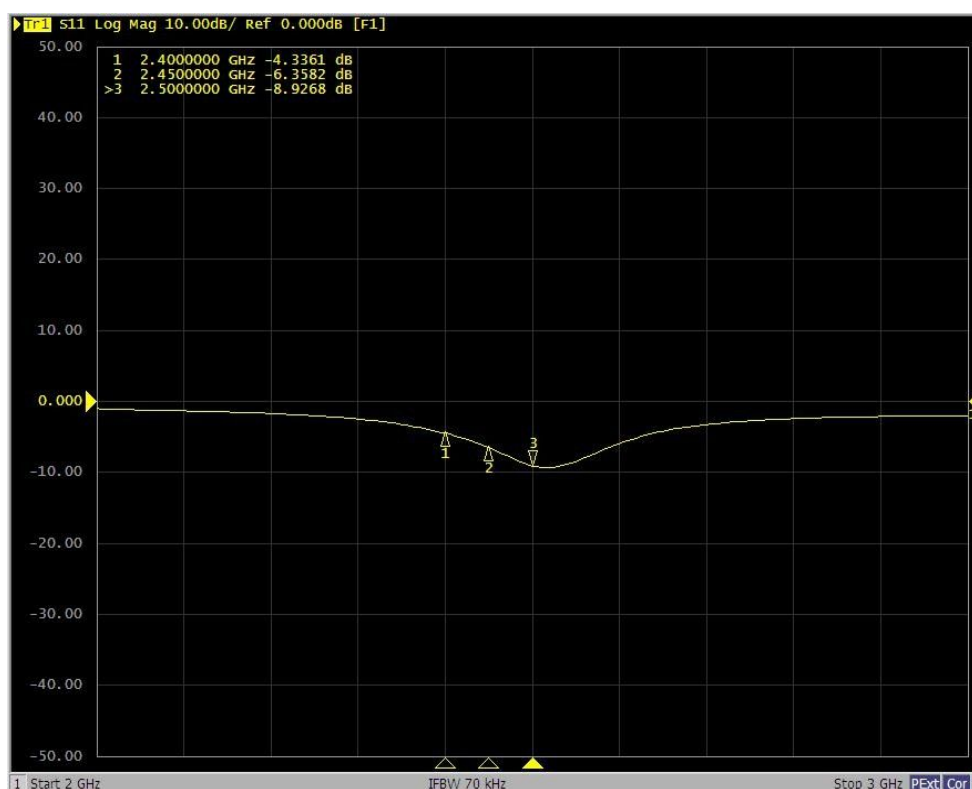
-RFsister

1.Electrical Characteristics

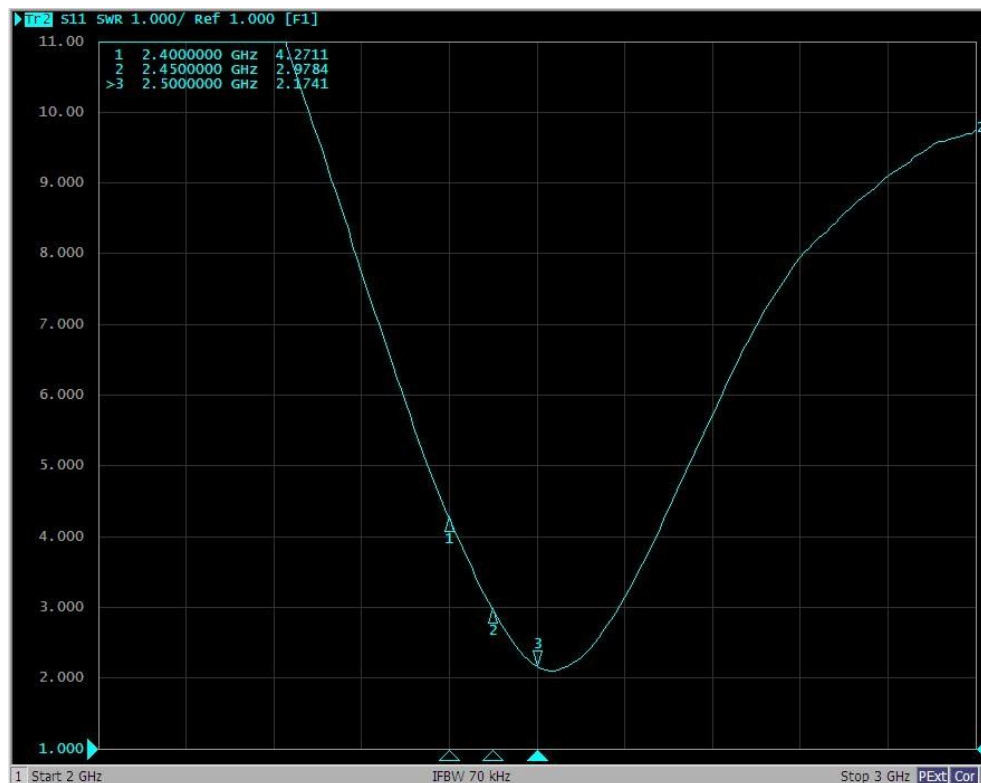
No.	Item	Specifications
1	Working Central Frequency	2450 MHz
2	Band Width	± 75 MHz (2400~2500MHz)
3	Gain	(-5.5) - (-3) dbi
4	V.S.W.R (in BW)	≤ 4.3
5	Polarization	Linear
6	Azimuth Beam width	Omni-directional
7	Impedance 阻抗	50

2.Return Loss and Smith Chat

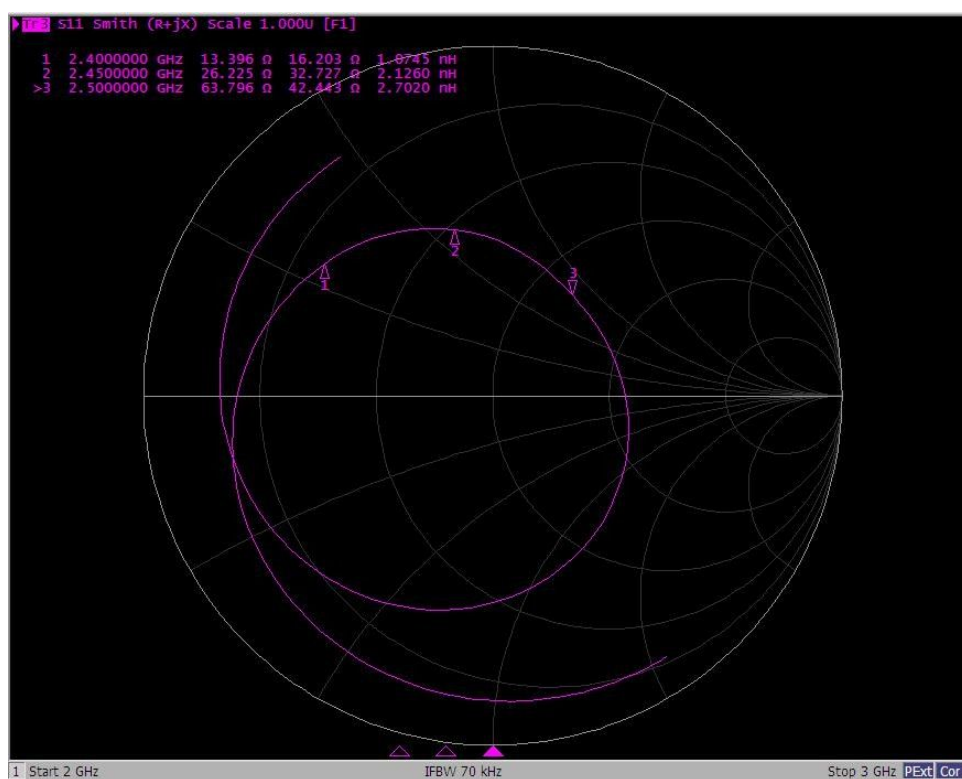
Return Loss



V.S.W.R



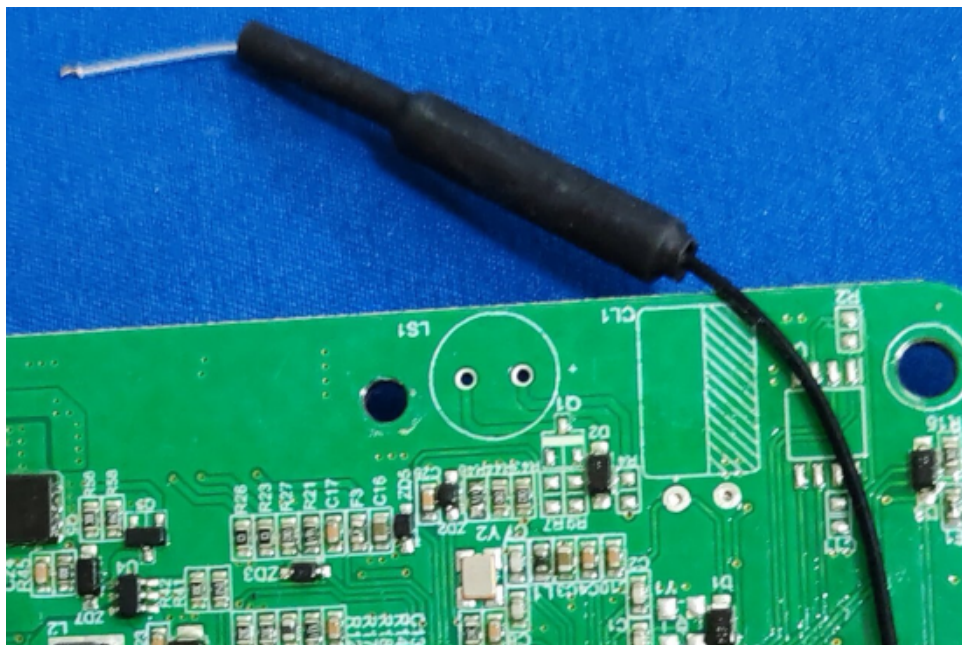
Smith Chat



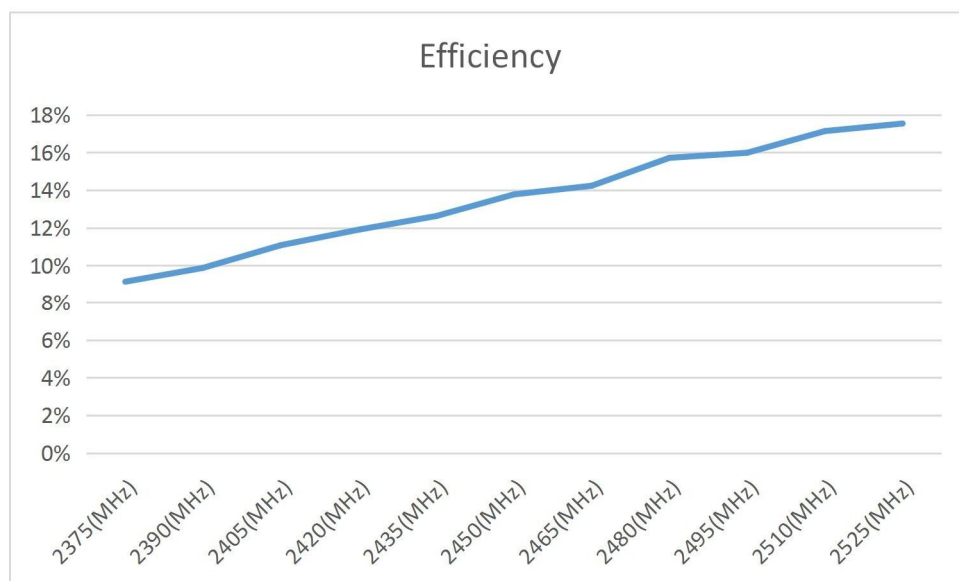
3. Physical Test Environment

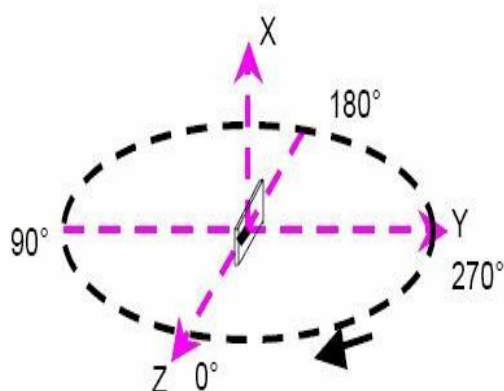
E5071C 网络分析仪

4. Shape of the antenna

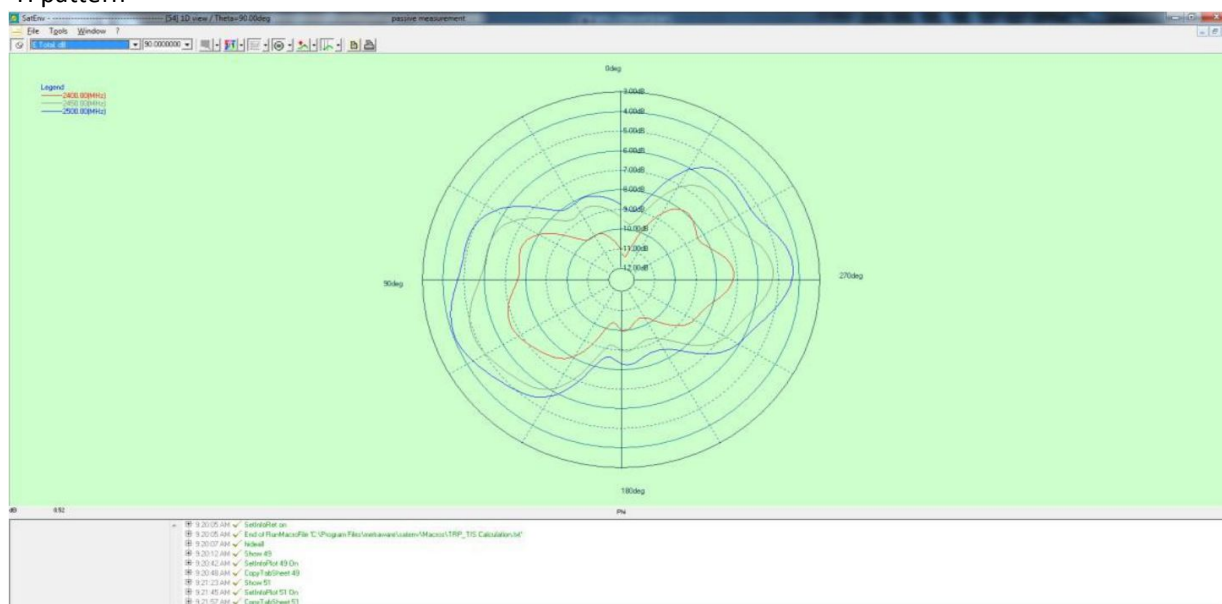


Efficiency:

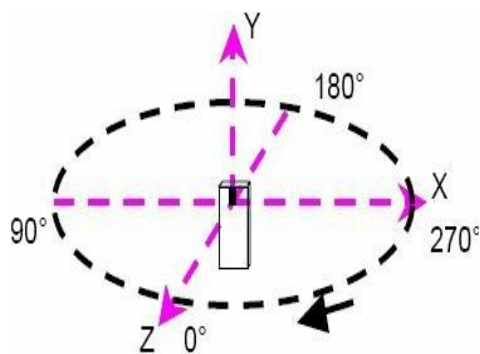




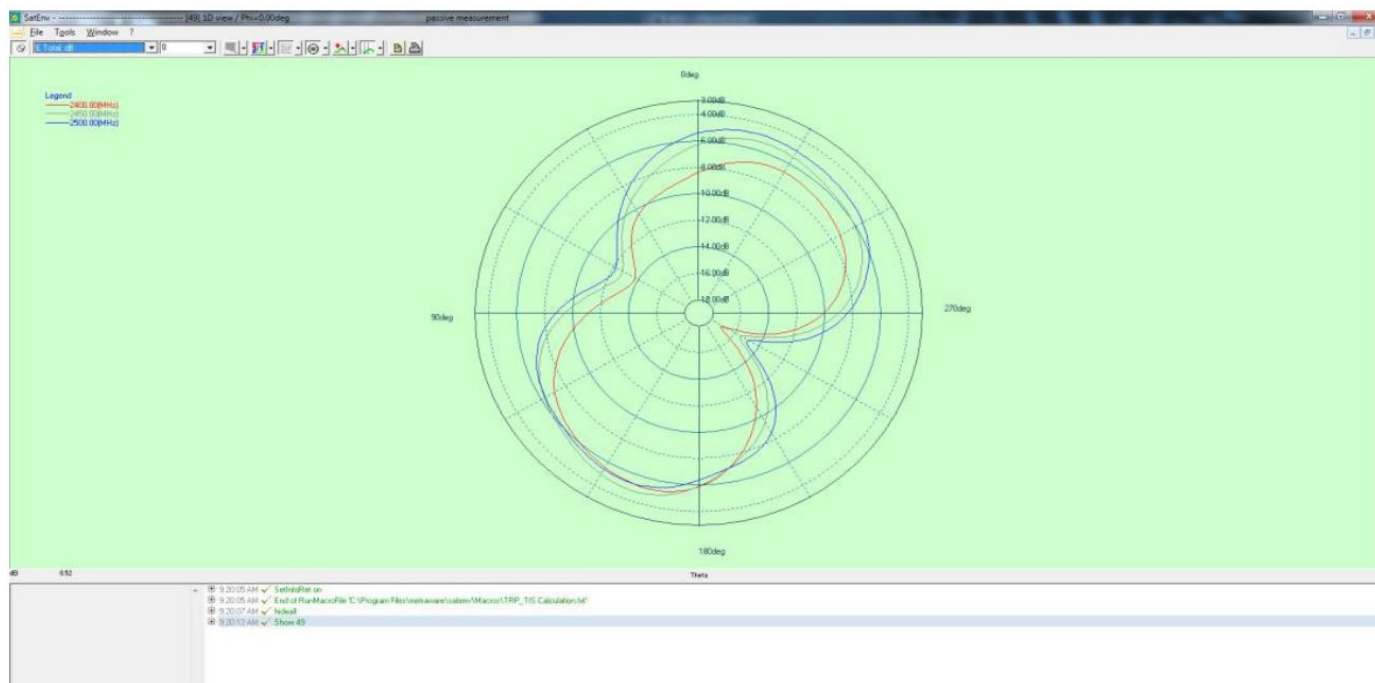
H pattern



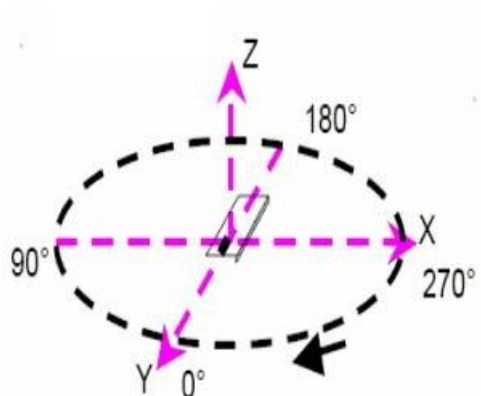
Fre(Mhz)	Max gain(dBi)	Degree
2400 (MHz)	-6.79 dBi	114.00 deg
2450 (MHz)	-4.92 dBi	112.00 deg
2500 (MHz)	-4.07 dBi	108.00 deg



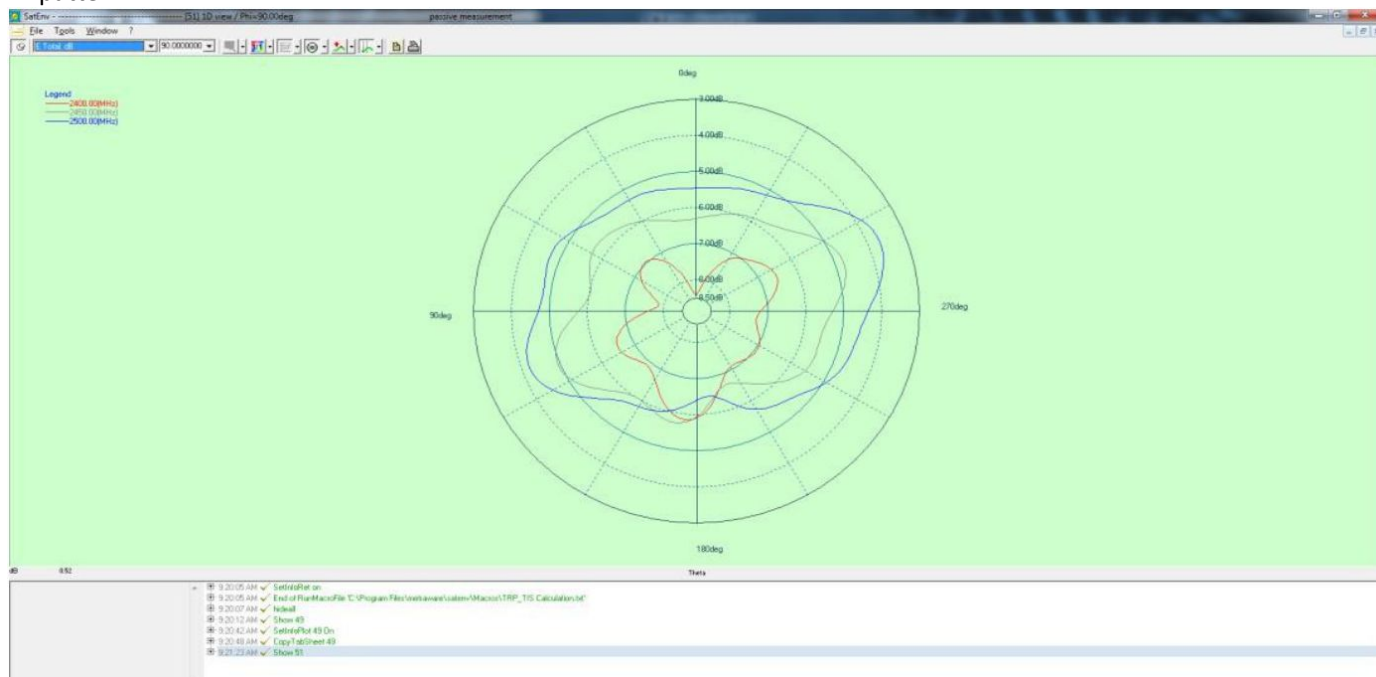
E1 pattern



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