

Antenna specification

Shenzhen RF-LAB communication Technology Co., Ltd.

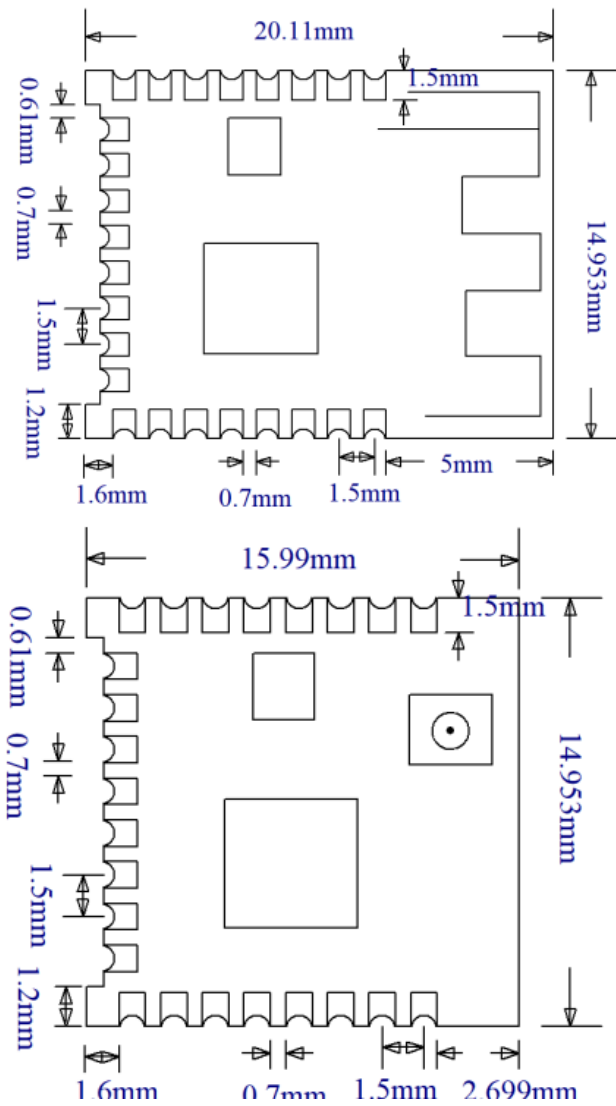
ZoneA, 10F, Lingyun Road, Baoan District, Shenzhen, Guangdong, China

-RFsister

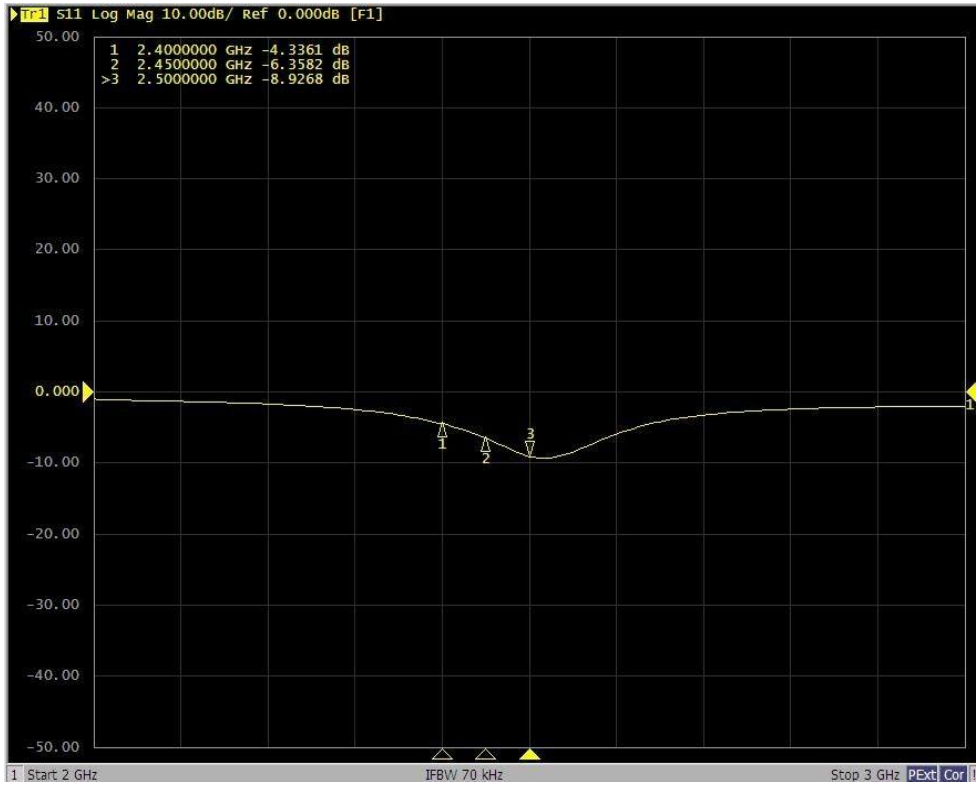
1.Electrical Characteristics

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

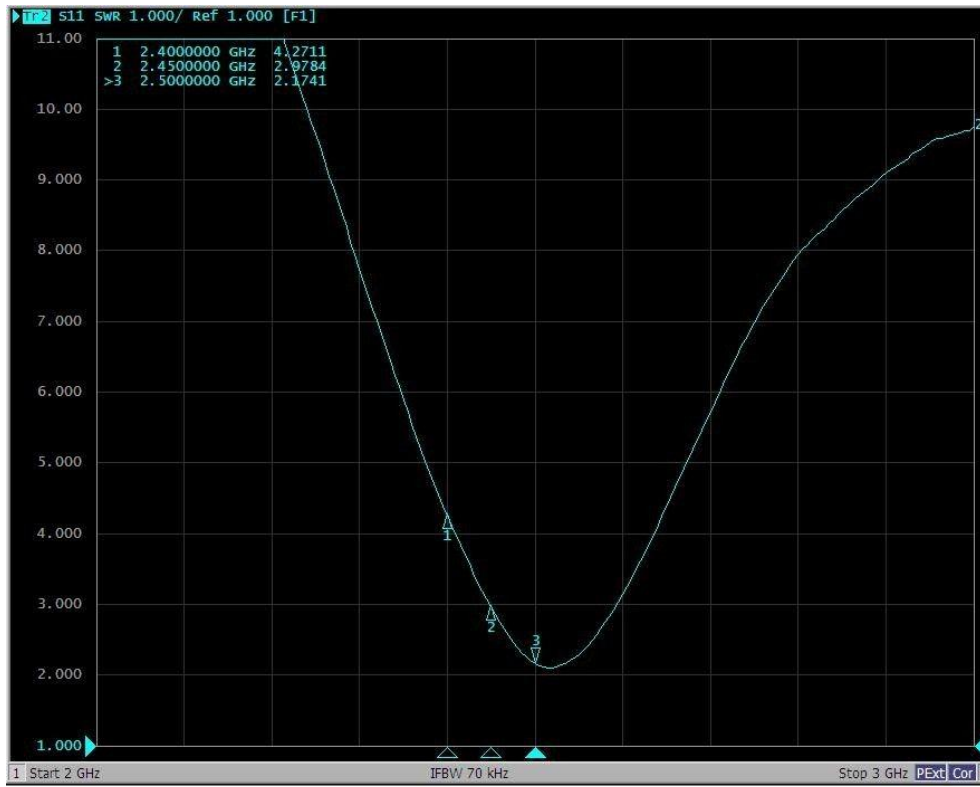
六、模块封装尺寸图



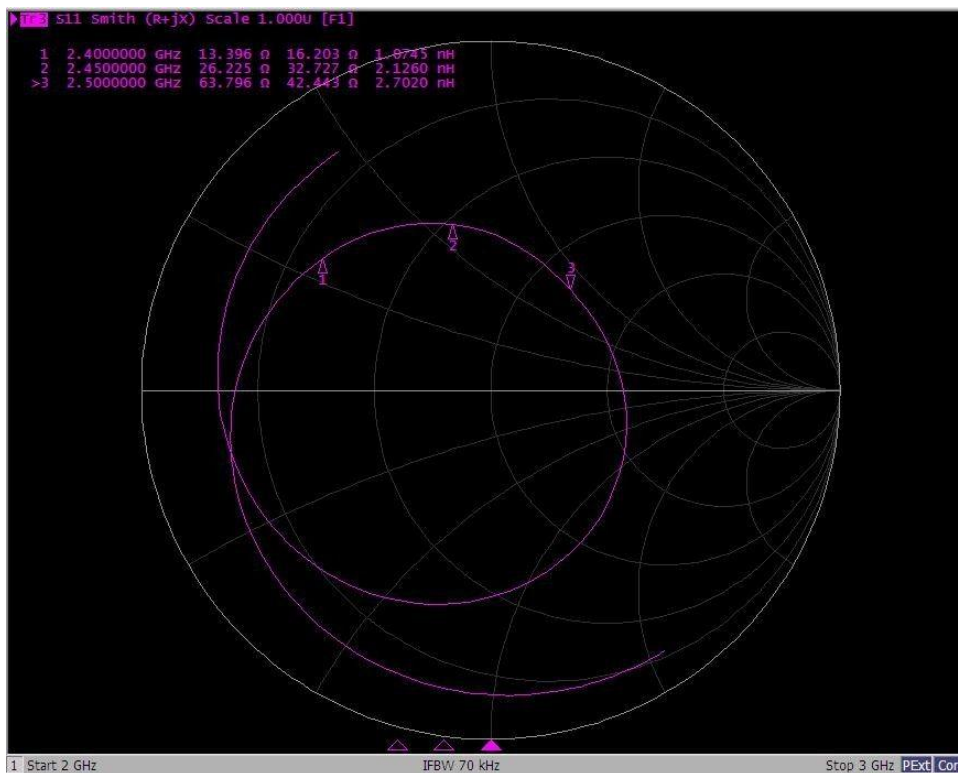
2.Return Loss and Smith Chart Return Loss



V.S.W.R



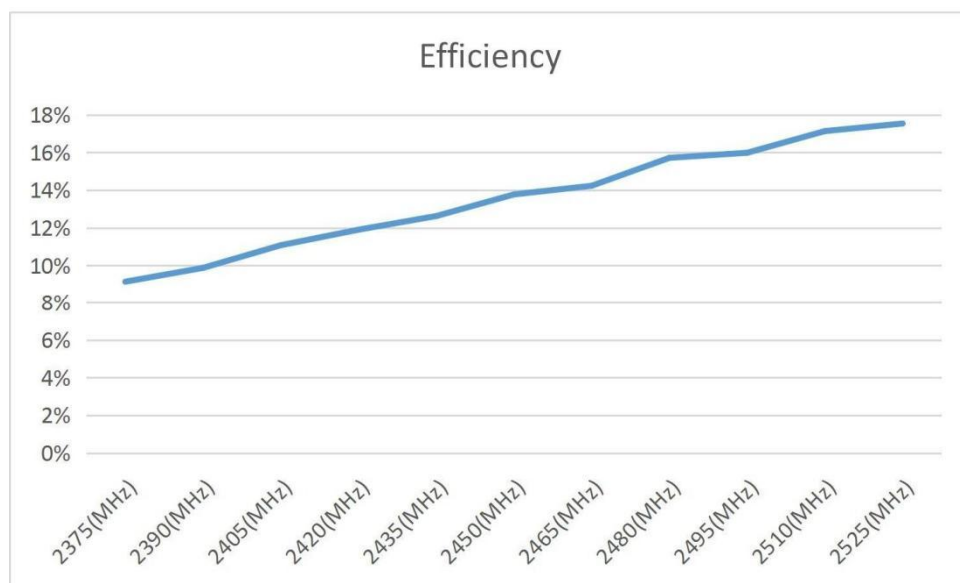
Smith Chart

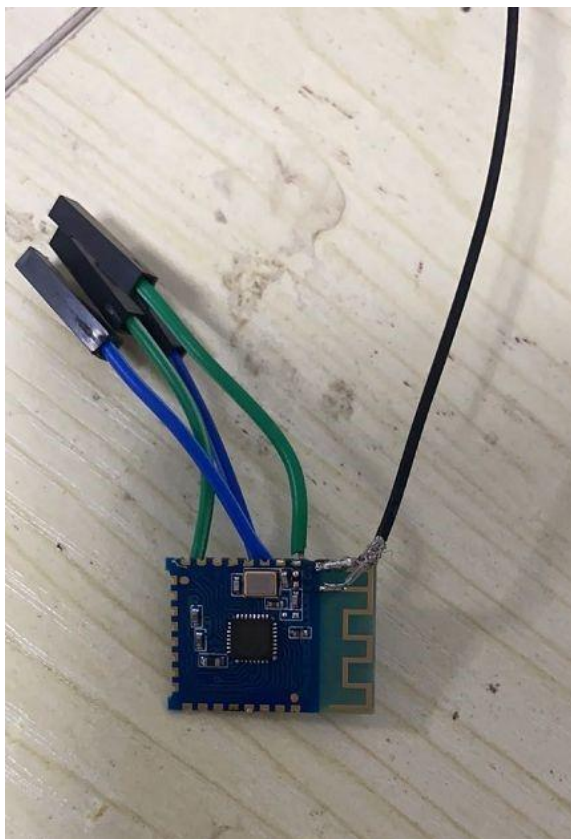


3.Physical Test Environment

E5071C network analyzer

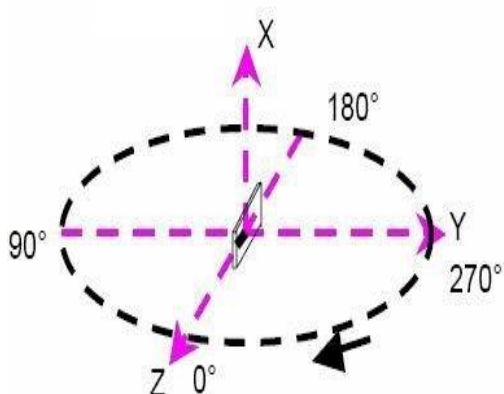
4.Shape of the antenna



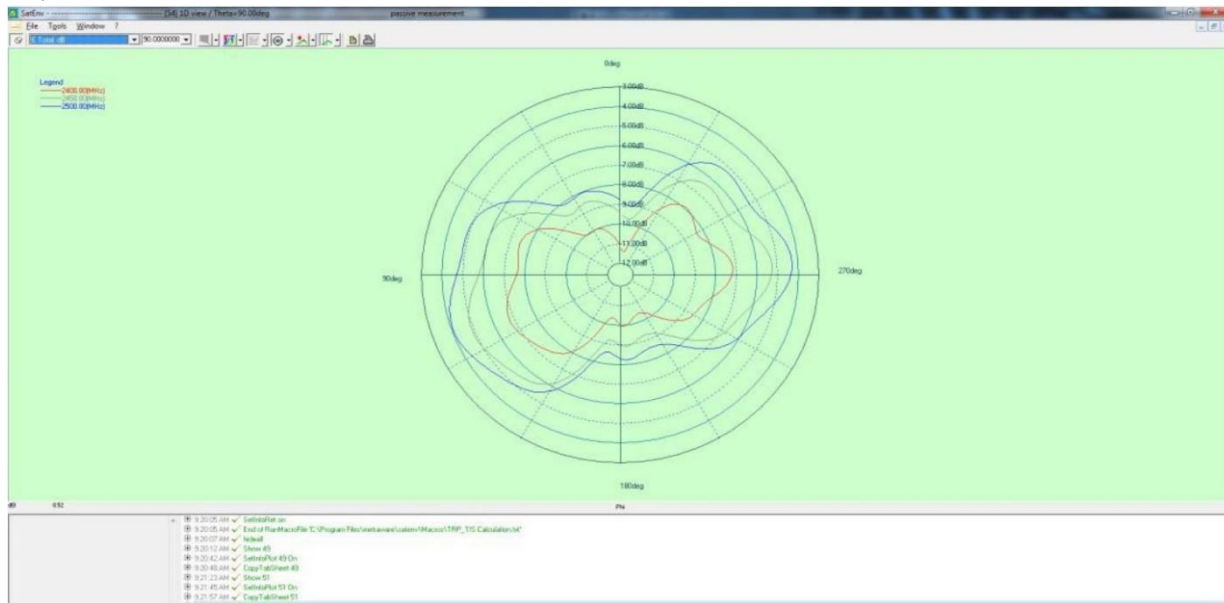


Efficiency:

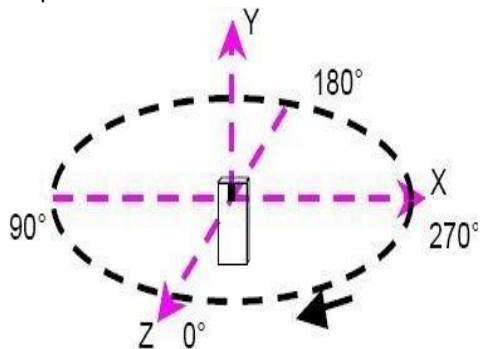
Fre(Mhz)	Max gain(dB)	Degree
2400 (MHz)	-6.79 dB	114.00 deg
2450 (MHz)	-4.92 dB	112.00 deg
2500 (MHz)	-4.07 dB	108.00 deg



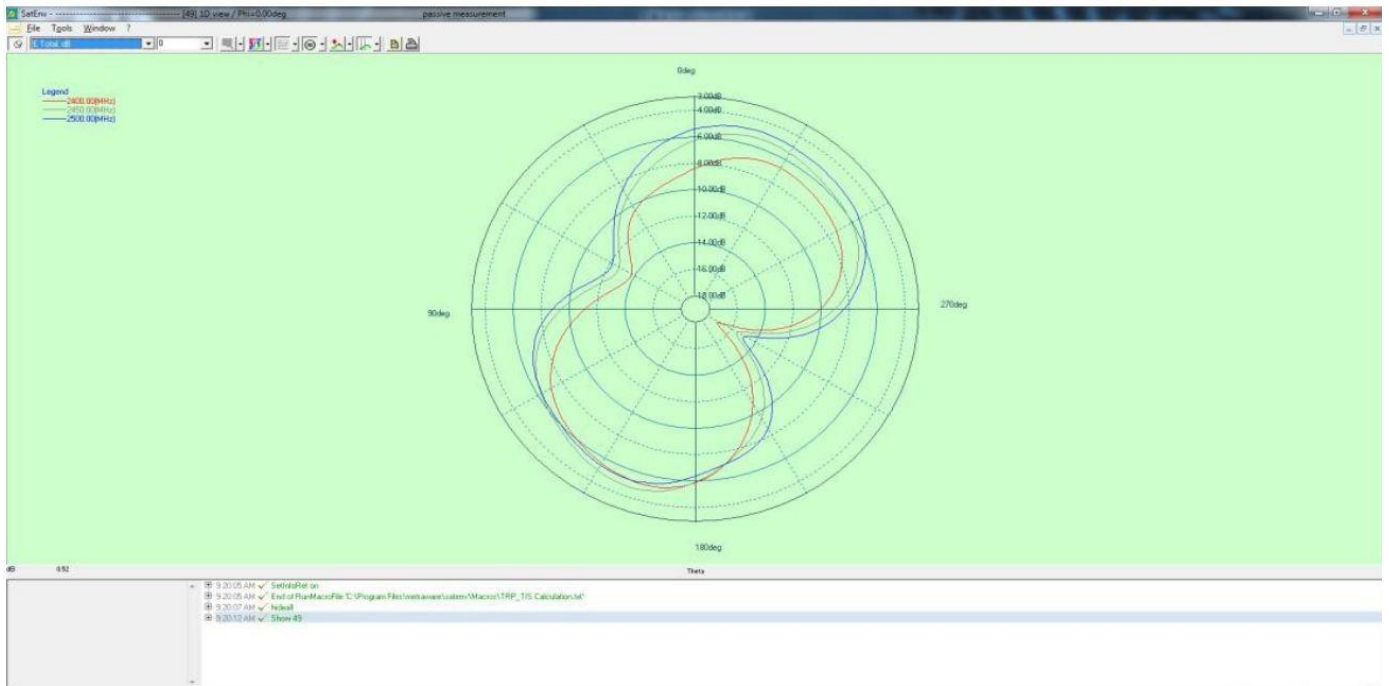
H pattern



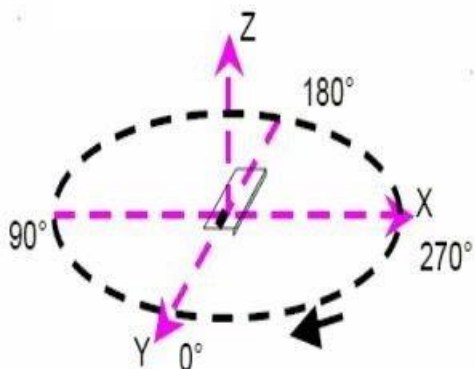
E1 pattern



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

