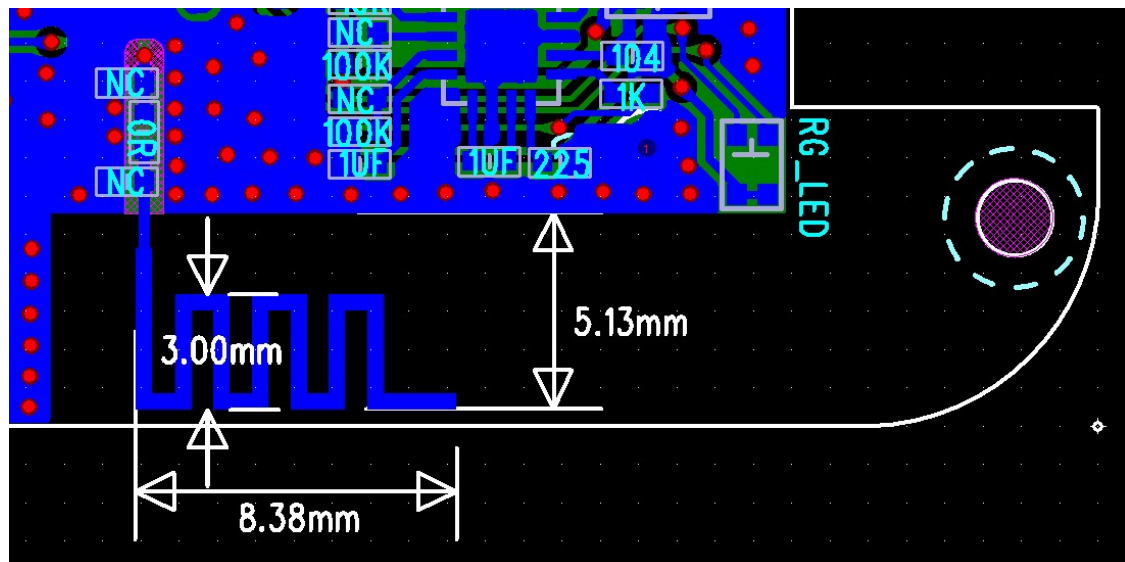


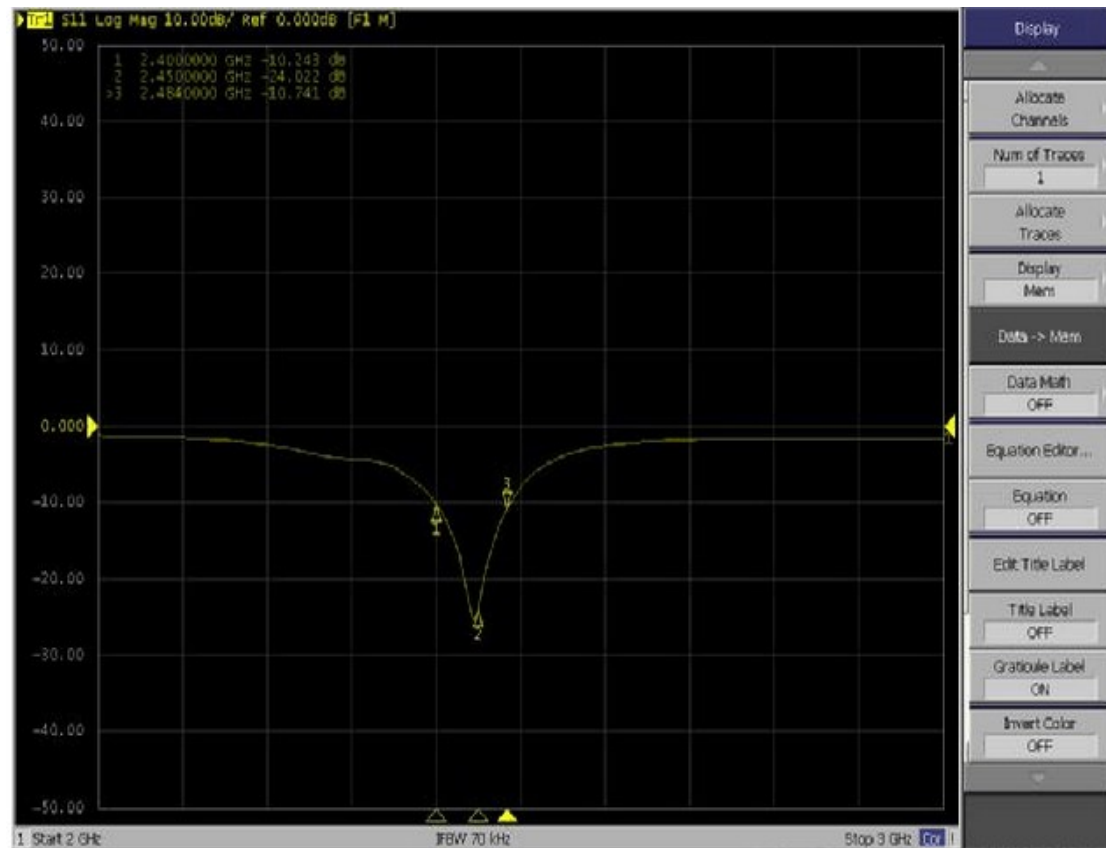
1. Electrical Characteristics

Item	Specification
Model	UIBTR318
Manufacturer	Shenzhen Tai Yilinan Science & Technology Co.,Ltd located at 313, Xinda Business Building, Fenghuanggang First Industrial Zone, Qianjin Second Road, Xi Xiang Street, Bao'an District, Shenzhen
Type	PCB Meander Line Antenna
Central frequency	2.441 GHz
Bandwidth	78 MHz (Typical value)
Gain	1dBi
Polarization	Linear
VSWR	2 max.
Azimuth Bandwith	Omni-directional
Impedance	50Ω
Rated Power (max.)	4dBm
Maximum Input Power	10dBm
Operation Temperature	-40 ℃ ~ +85 ℃

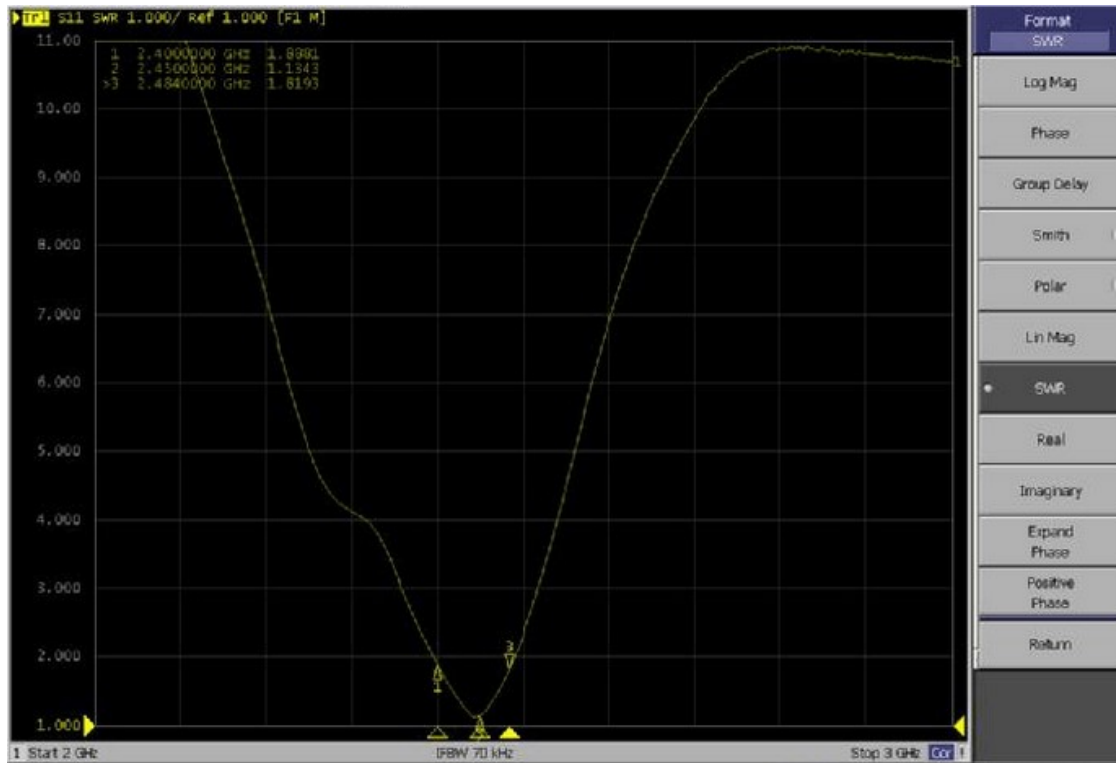
2.The suggestion of matching circuit



3. The Measurement of S-Parameter and VSWR



Frequency(GHz)	S11(dB)
2.402	-10.24
2.441	-24.02
2.480	-10.74



Frequency(GHz)	VSWR
2.402	1.88
2.441	1.13
2.480	1.81

The reference:

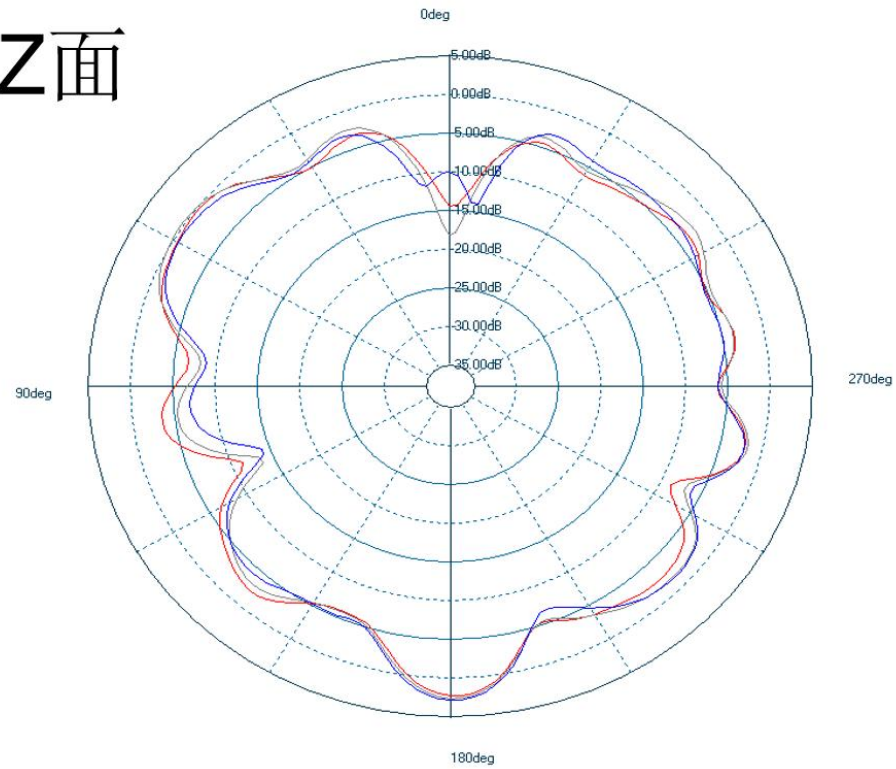
Return Loss	-6.02dB	-7.36dB	-10dB	-13dB	-20dB
VSWR	3	2.5	1.92	1.576	1.22
Return Power Ratio	25%	18.37%	10%	5%	0.98%



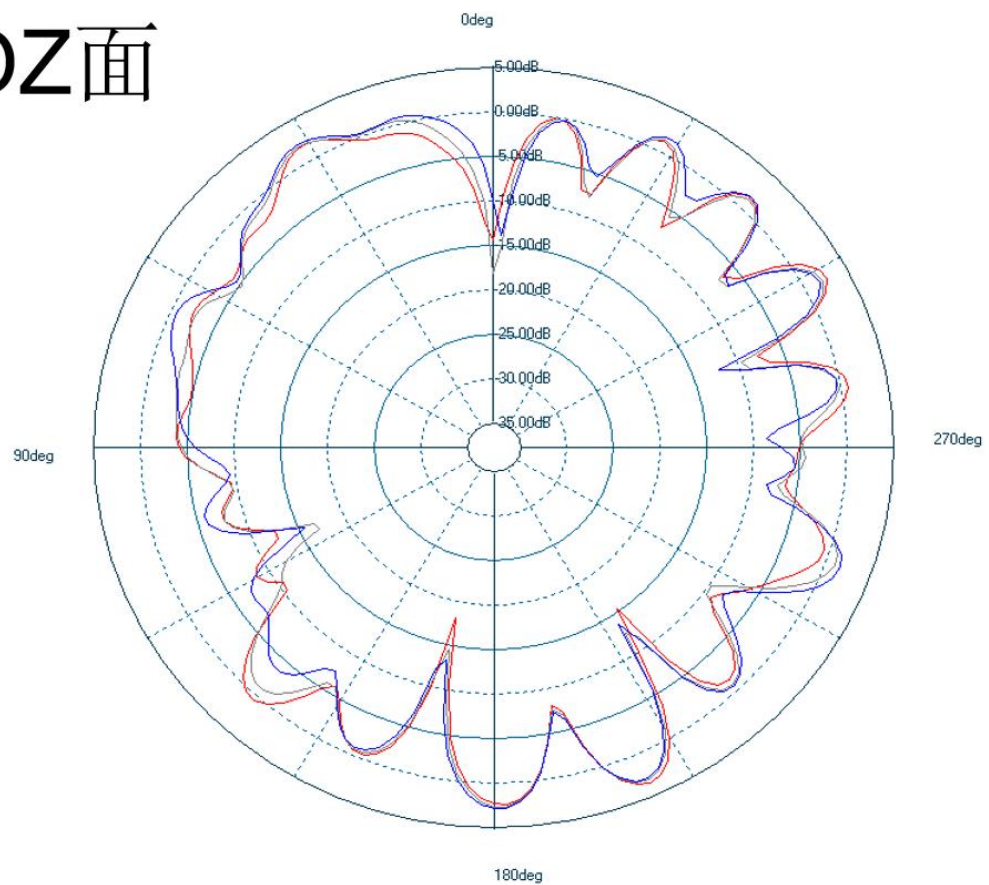
ANTENNA SPECIFICATION

3-4 2D/3D Radiation Pattern Results

XOZ面



YOZ面



ANTENNA SPECIFICATION

XOY面

