



Antenna report

2023-02-21

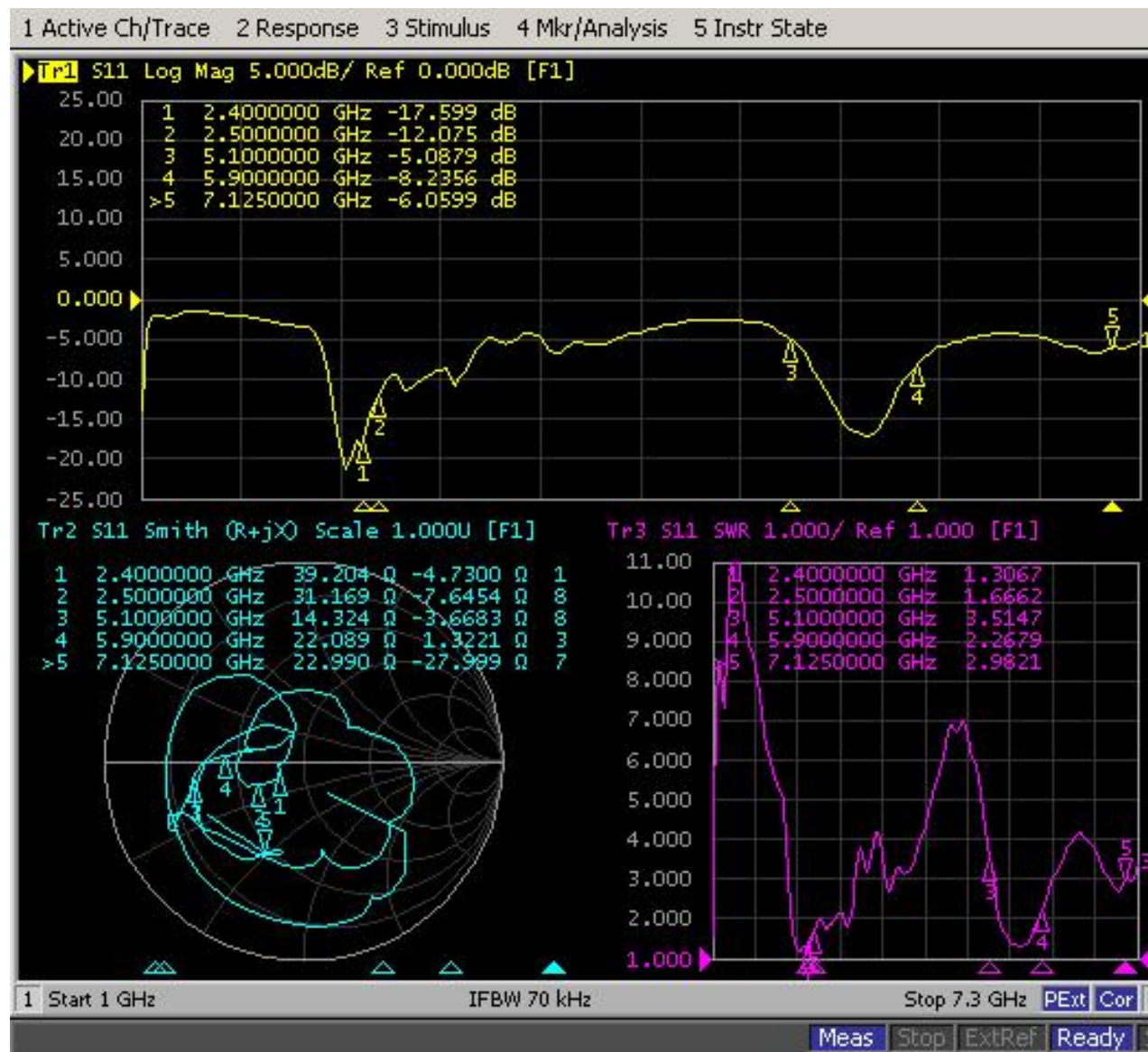
Guangzhou Shikun Electronics Co., Ltd
Add: NO.6 Liankun Road,Huangpu District,Guangzhou,China

Confidential

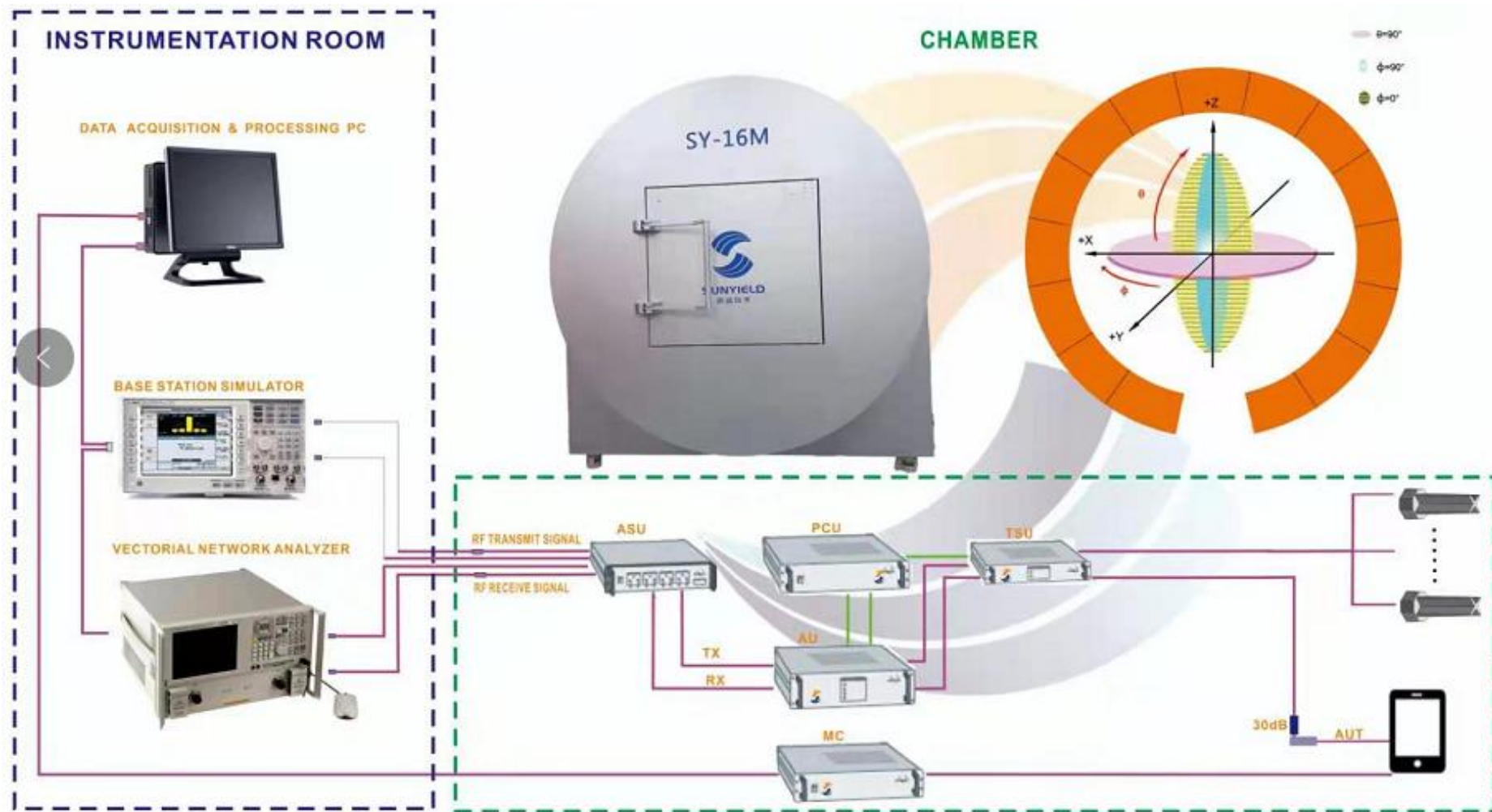
测试治具图片



VSWR&Return loss&Smith-BT 2.4G 5.8G



有源无源 测试方法



测试示意图

无源测试结果-2.4G 5G

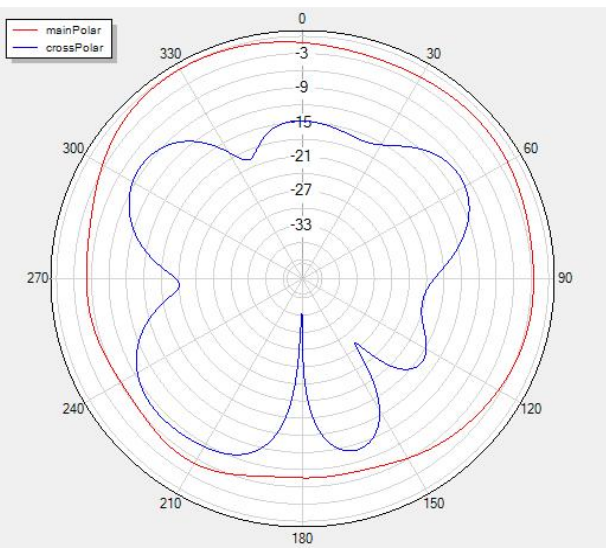
frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(dB)	efficiency 效率(%)
2400	3.17	-2.21	60.05
2410	3.26	-2.23	59.86
2420	3.32	-2.02	62.75
2430	3.21	-2	63.11
2440	3.11	-2.35	58.19
2450	2.98	-2.35	58.22
2460	2.91	-2.15	60.96
2470	2.93	-2.2	60.3
2480	2.83	-2.19	60.35
2490	2.7	-2.31	58.72
2500	2.86	-2.04	62.59

2.4G

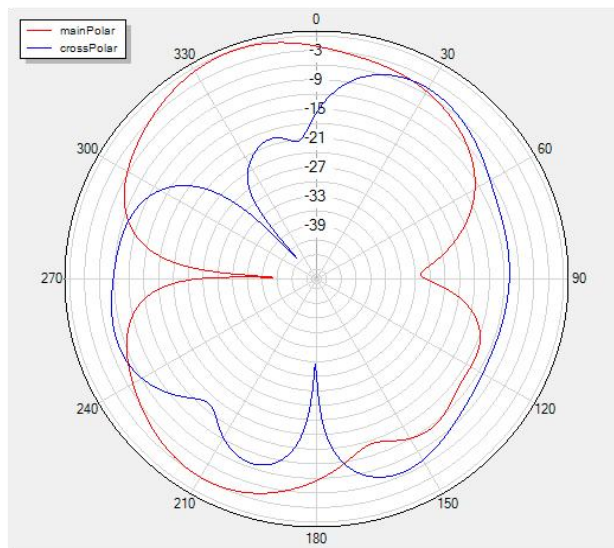
frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(dB)	efficiency 效率(%)
5100	-1.92	-7.16	19.24
5150	-0.46	-5.51	28.14
5200	0.62	-5.17	30.41
5250	0.74	-5.02	31.48
5300	2.53	-4.04	39.43
5350	3.01	-3.35	46.21
5400	3.6	-2.85	51.86
5450	3.93	-2.4	57.53
5500	4.2	-2.28	59.12
5550	4.31	-2.23	59.86
5600	4.6	-2	63.13
5650	4.29	-2.09	61.83
5700	3.89	-2.33	58.47
5750	3.52	-2.7	53.7
5800	3.15	-3.12	48.78
5850	3.03	-3.21	47.7
5900	3.27	-2.97	50.44

5.8G

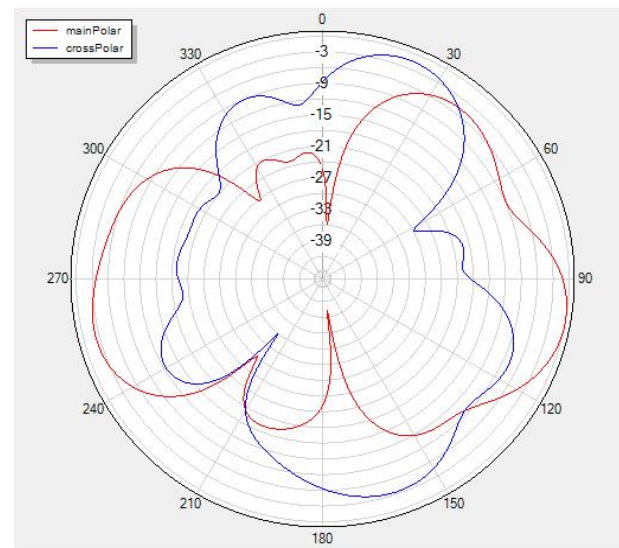
方向图 2.4G



$\Phi=90$

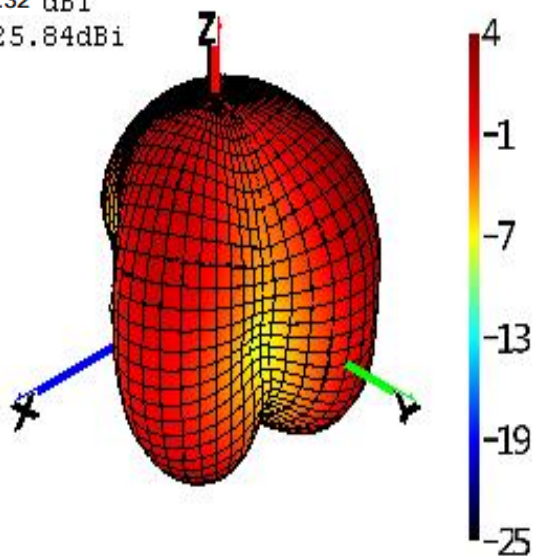


$\Phi=0$

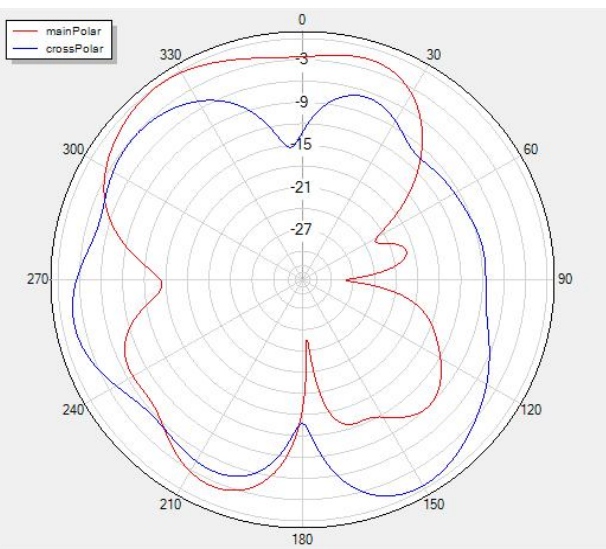


$\Theta=90$

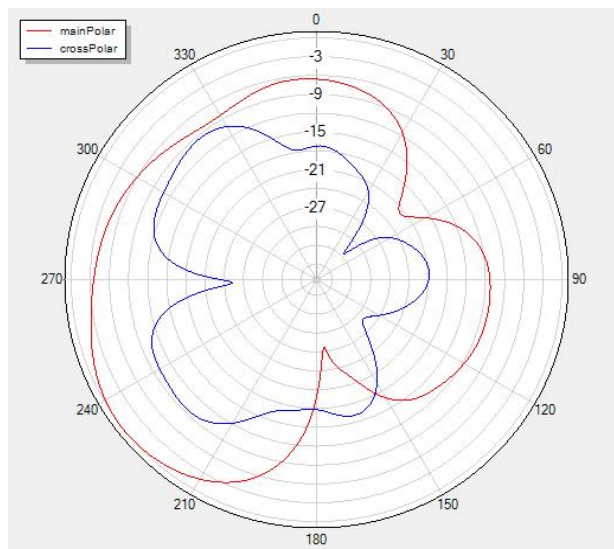
MAX: 3.32 dBi
MIN: -25.84dBi



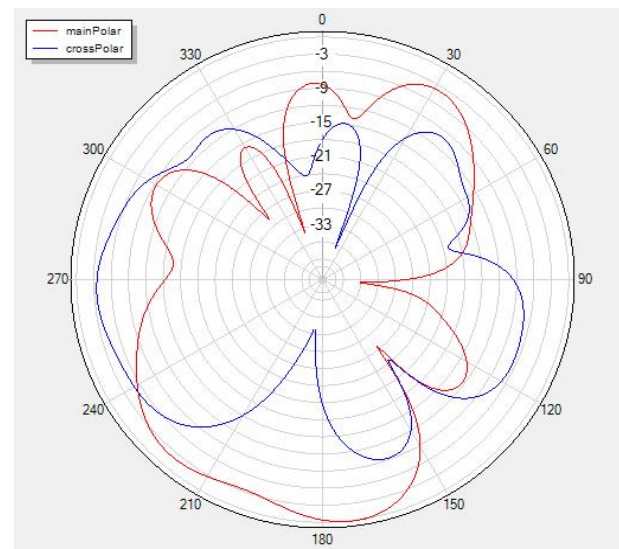
方向图 5.8G



$\Phi=90$

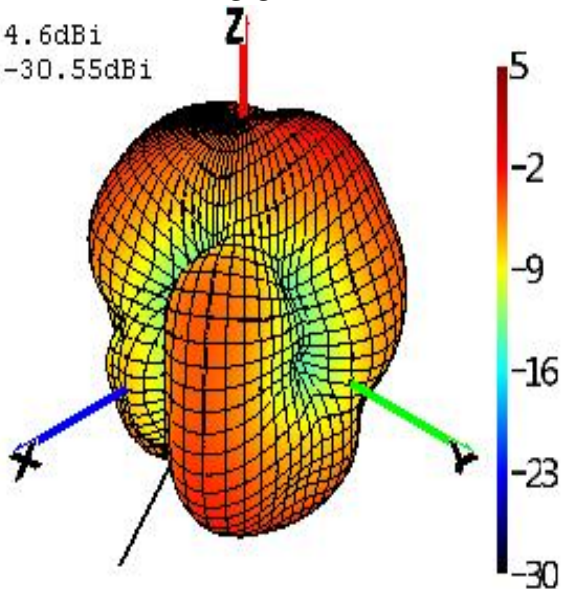


$\Phi=0$



$\Theta=90$

MAX: 4.6dBi
MIN: -30.55dBi



PKG-0063627 临时封装

1

Y : 9mm

X : 18mm