



# Antenna report

2023-02-24

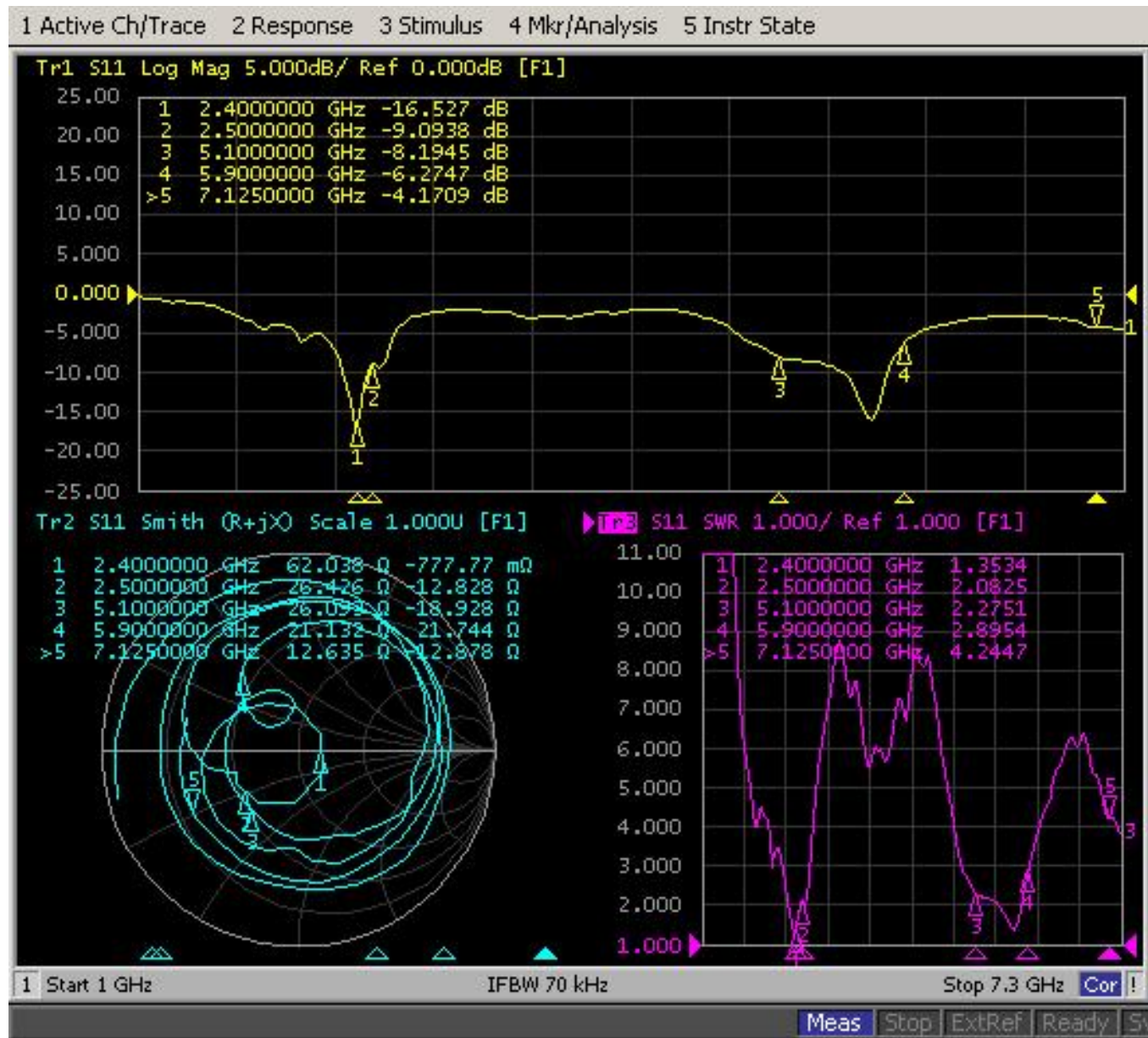
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***Confidential***

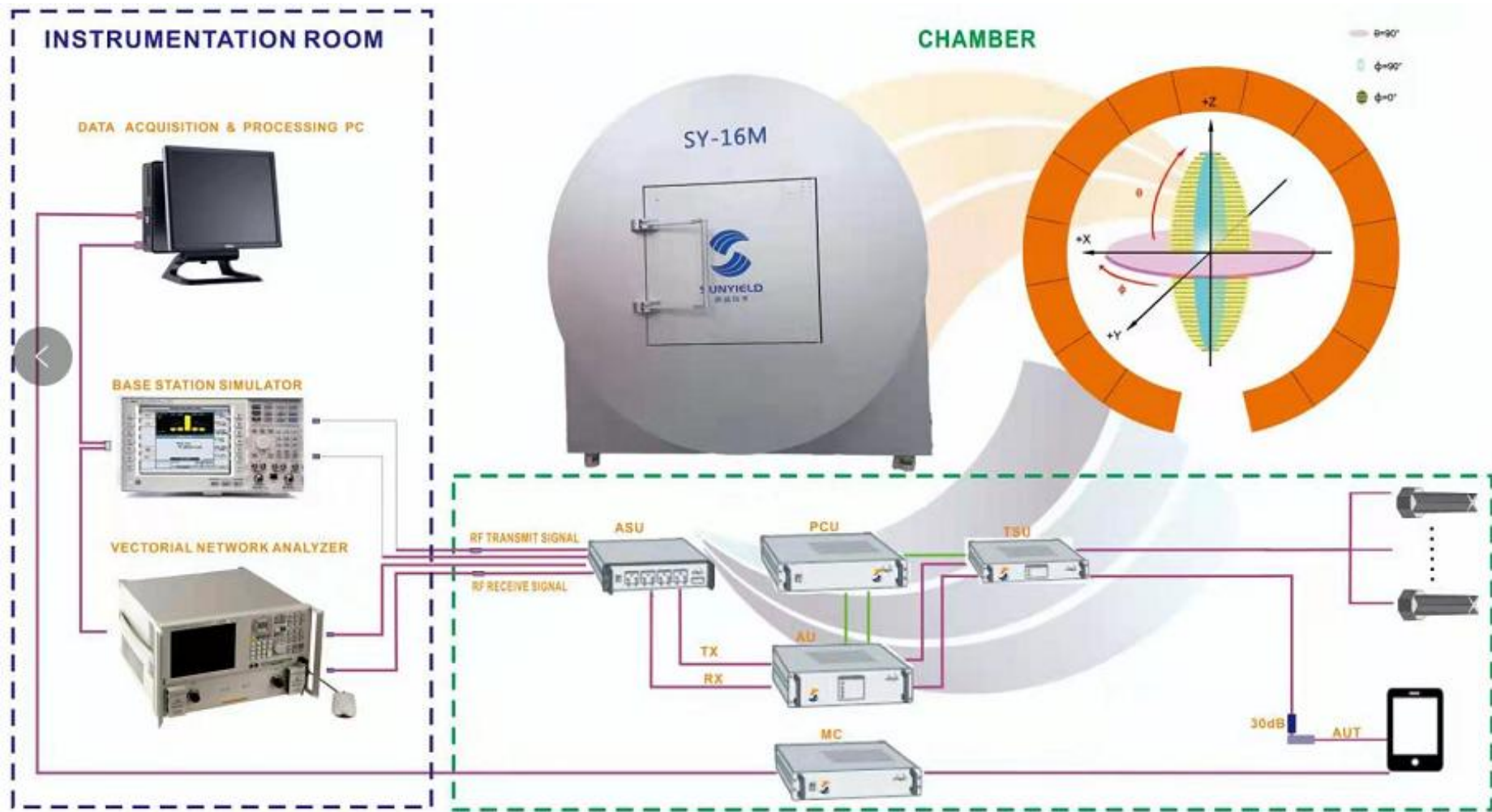
# 测试治具图片



# 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 5.8G

frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(dB)	efficiency 效率(%)
2400	4.65	-1.54	70.21
2410	4.8	-1.45	71.55
2420	4.84	-1.24	75.12
2430	4.91	-1.05	78.56
2440	5.08	-1.1	77.6
2450	4.95	-1.06	78.33
2460	4.71	-1.01	79.22
2470	4.68	-1.14	76.91
2480	4.54	-1.23	75.39
2490	4.01	-1.78	66.44
2500	3.45	-2.18	60.48

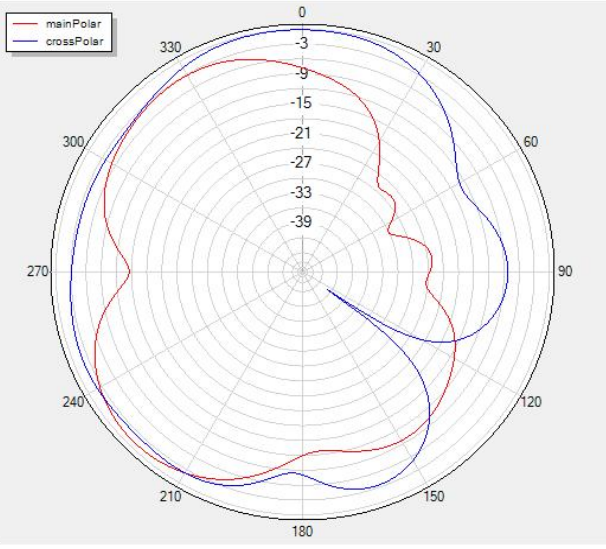
2.4G

frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(dB)	efficiency 效率(%)
5100	3.19	-2.91	51.22
5150	3.22	-2.63	54.59
5200	3.12	-3.4	45.67
5250	2.44	-3.75	42.2
5300	3.58	-2.94	50.84
5350	3.37	-2.84	51.96
5400	3.92	-2.56	55.45
5450	3.86	-2.42	57.34
5500	3.78	-2.37	57.92
5550	4.02	-2.37	57.94
5600	4.69	-1.99	63.28
5650	4.4	-2.19	60.37
5700	4.15	-2.51	56.15
5750	3.97	-2.97	50.44
5800	3.28	-3.72	42.45
5850	2.52	-4.16	38.38
5900	2.36	-4.28	37.32

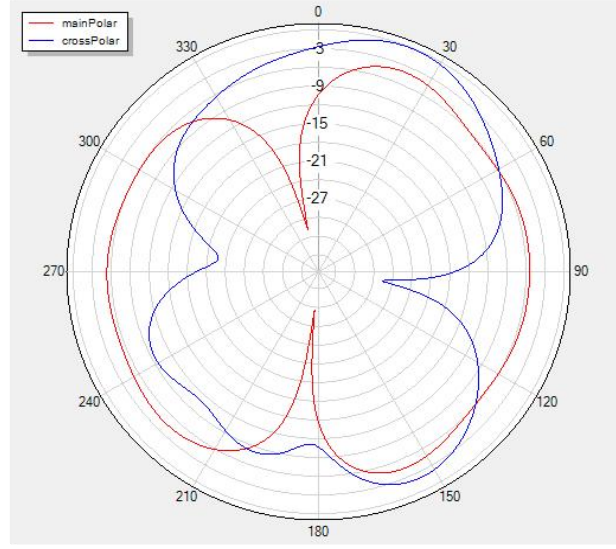
5.8G



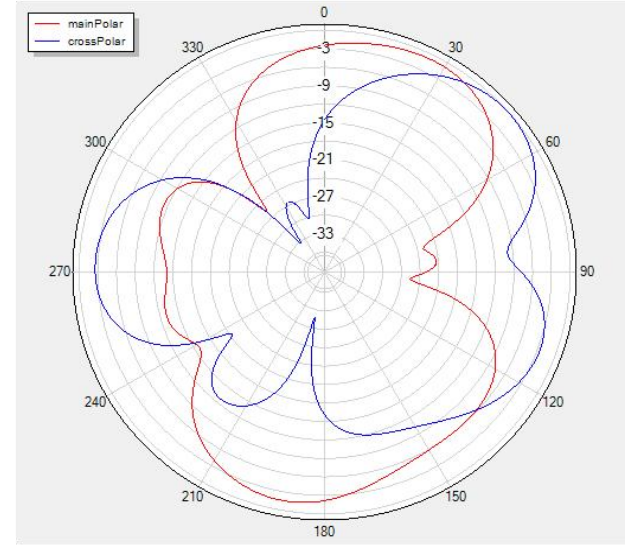
# 方向图 2.4G



$\Phi=90$

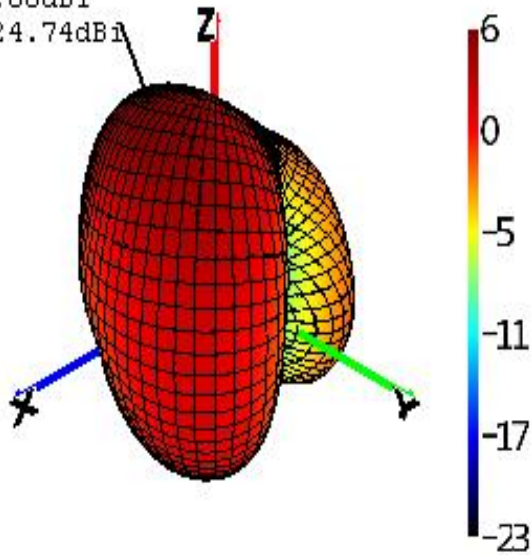


$\Phi=0$

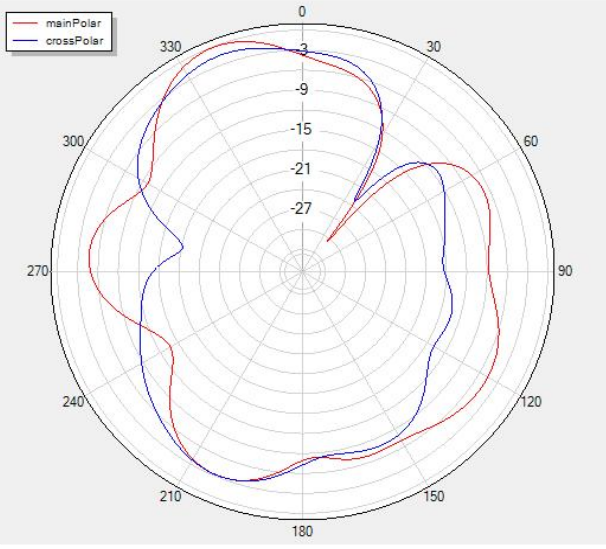


$\Theta=90$

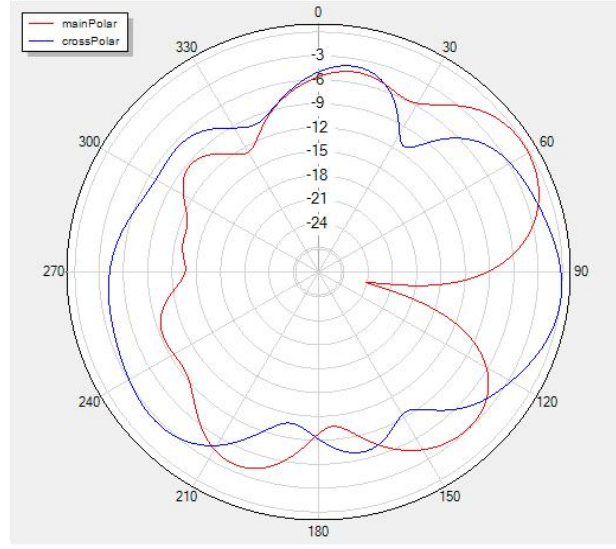
MAX: 5.08dBi  
MIN: -24.74dBi



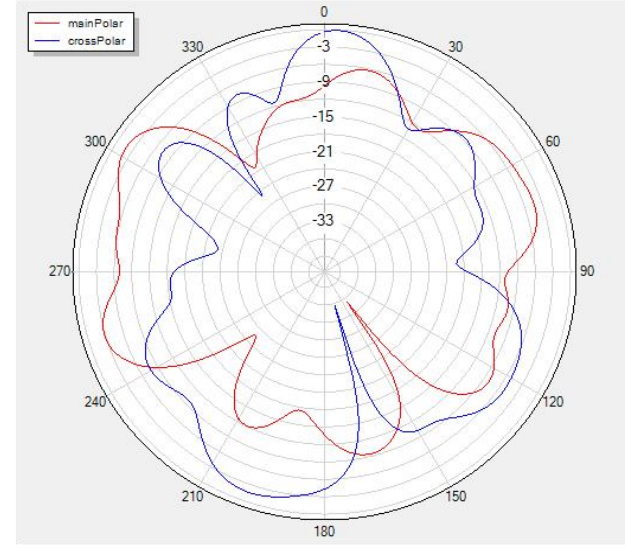
# 方向图 5.8G



$\Phi=90$

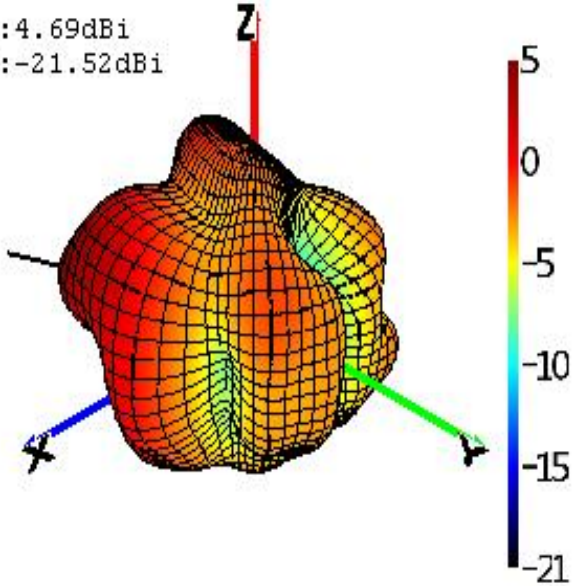


$\Phi=0$



$\Theta=90$

MAX: 4.69dBi  
MIN: -21.52dBi



PKG-0003057 副切挂架

Y: 9mm

X: 18mm