



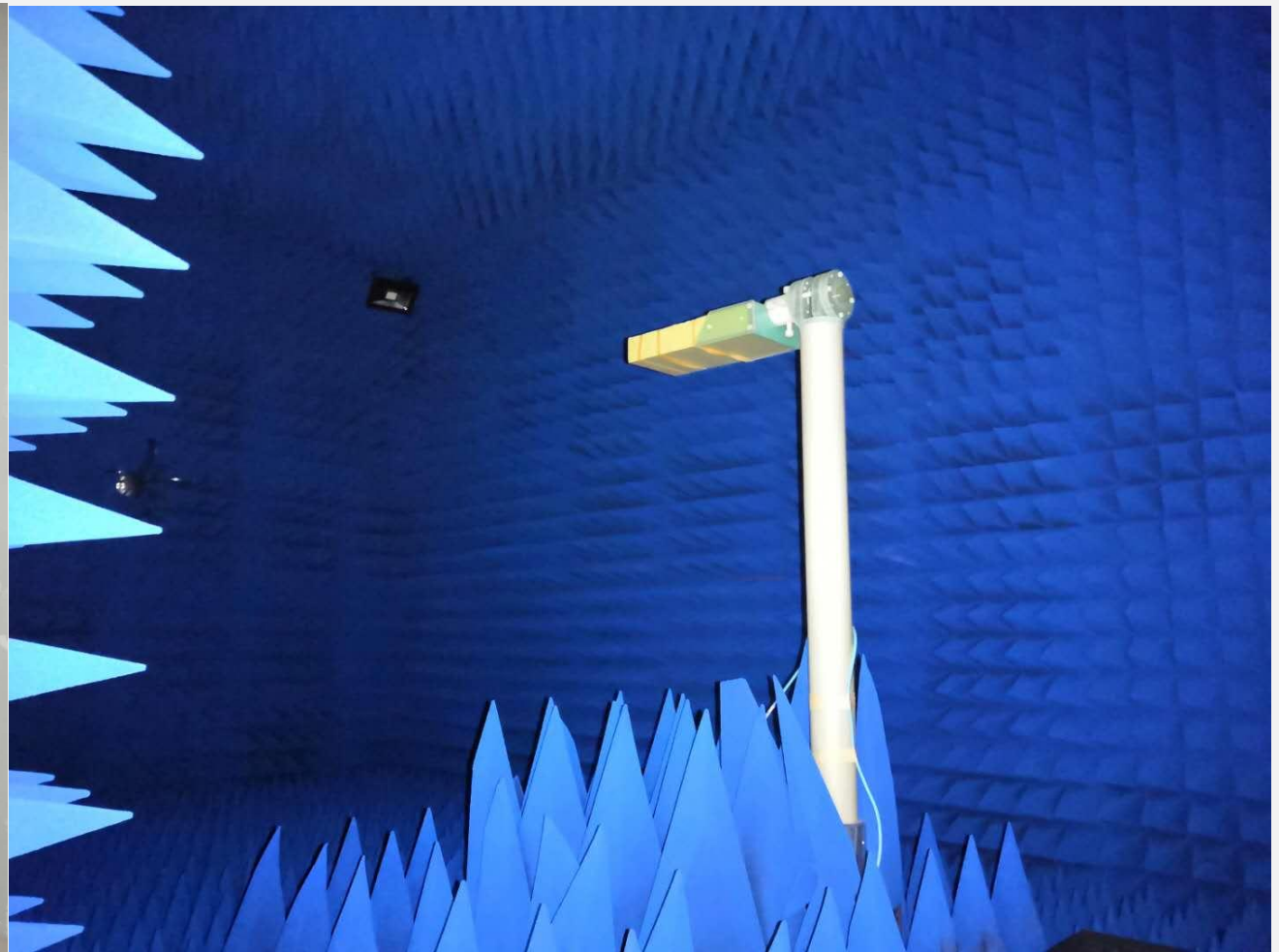
# 天线测试报告

Antenna Test Report

◆ 日期：2023年09月18日

# 1.测试工具

矢量网络分析仪&综测仪	Agilent Technologies E5071B & R&S CMW500
暗室	Atenlab M3
温度	25°C
湿度	65% (RH)



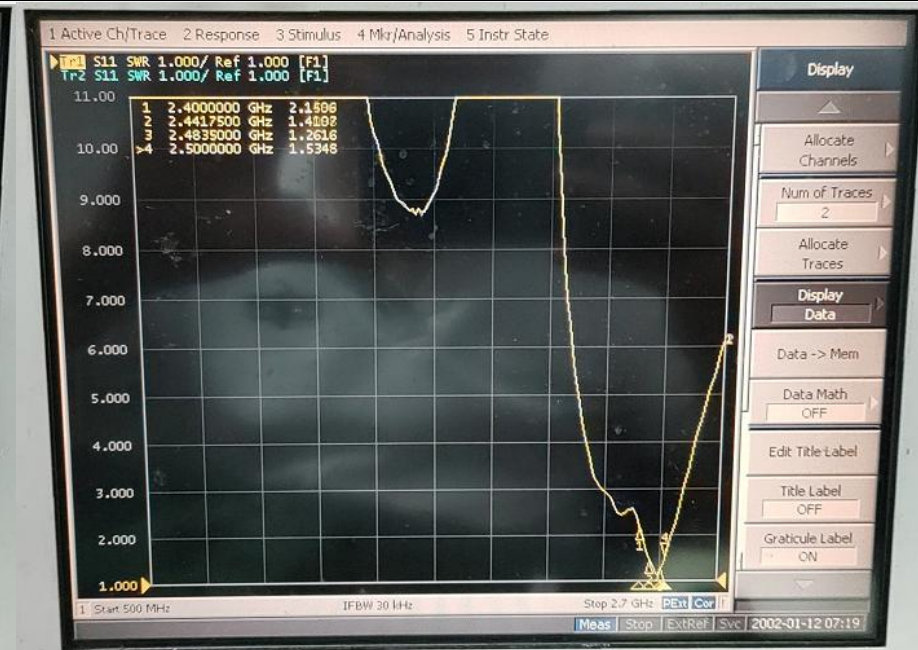
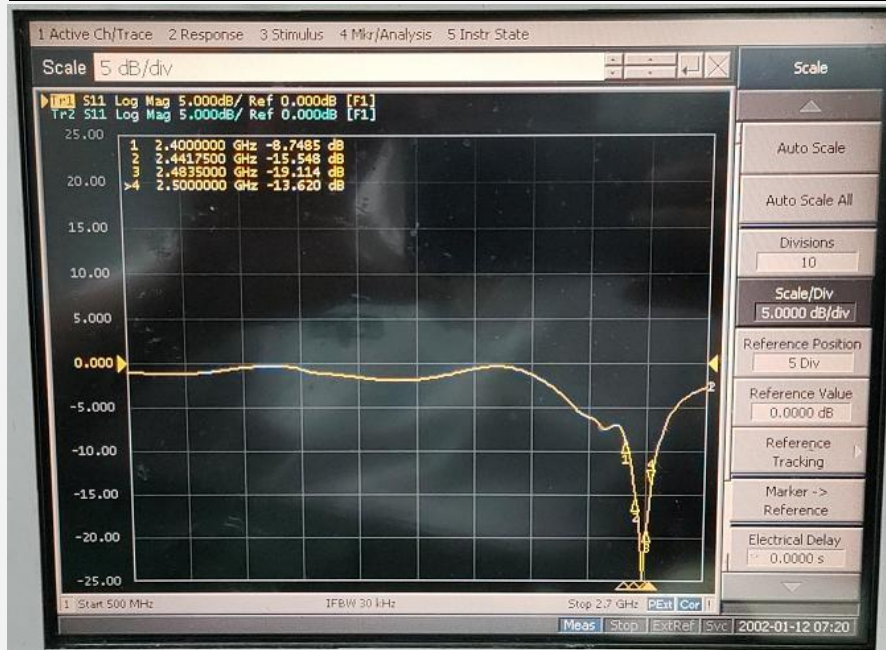


客户	合律美电子有限公司	项目名	TW970
频段	2400MHZ-2500MHZ		
日期	2023/09/18		

## L/回波损耗及驻波比

## YoSong ANT S11 parameter Summary

Band	2400-2500 (MHz)		
	2400	2450	2483
R. L (dB)	-8.7	-15.5	-19.1
VSWR	2.1	1.4	1.2





## R/回波损耗及驻波比

## YoSong ANT S11 parameter Summary

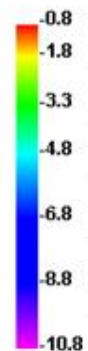
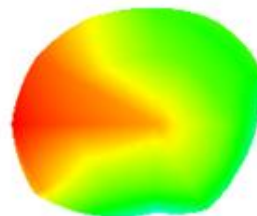
Band	2400-2500 (MHz)		
	2400	2450	2483
R. L (dB)	-14.6	-24.8	-12.5
VSWR	1.4	1.1	1.6



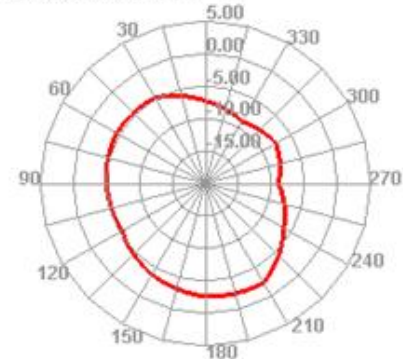
## L/效率与增益

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2400	29.28	-5.33	-0.79	-2.94
2410	27.34	-5.63	-0.96	-3.11
2420	25.25	-5.98	-1.18	-3.33
2430	23.45	-6.3	-1.46	-3.61
2440	24.28	-6.15	-1.37	-3.52
2450	26.3	-5.8	-1.07	-3.22
2460	22.62	-6.45	-1.76	-3.91
2470	23.78	-6.24	-1.65	-3.8
2480	25.45	-5.94	-1.49	-3.64
2490	24.52	-6.1	-1.79	-3.94
2500	24.14	-6.17	-2.11	-4.26

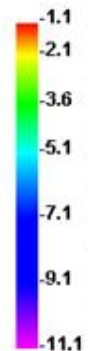
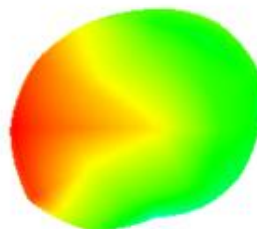
2400.000MHz



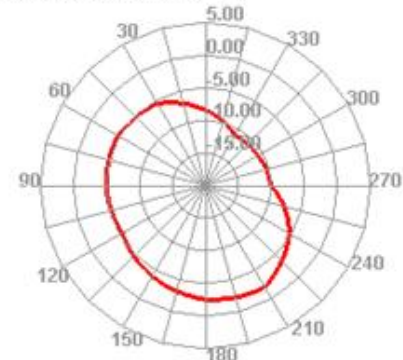
2400.000MHz H



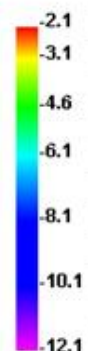
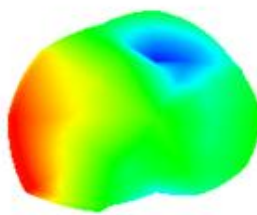
2450.000MHz



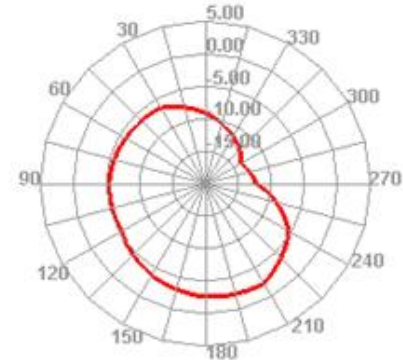
2450.000MHz H



2500.000MHz



2500.000MHz H

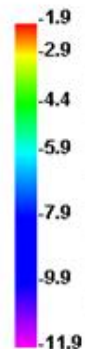
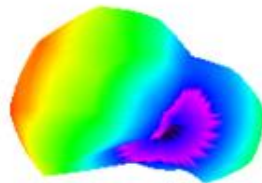




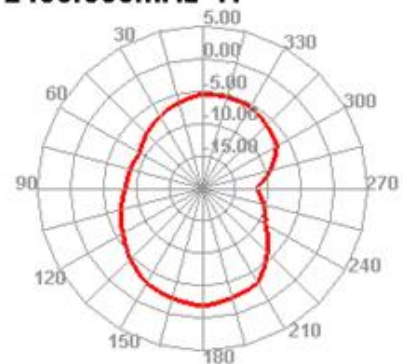
## R/效率与增益

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2400	22.12	-6.55	-1.92	-4.07
2410	21.64	-6.65	-2.06	-4.21
2420	22.16	-6.54	-2.03	-4.18
2430	22.59	-6.46	-2.02	-4.17
2440	23.93	-6.21	-1.87	-4.02
2450	27.16	-5.66	-1.39	-3.54
2460	25.54	-5.93	-1.69	-3.84
2470	24.78	-6.06	-1.93	-4.08
2480	26.1	-5.83	-1.74	-3.89
2490	22.53	-6.47	-2.48	-4.63
2500	22.31	-6.52	-2.51	-4.66

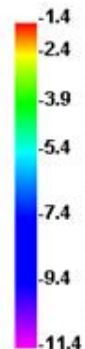
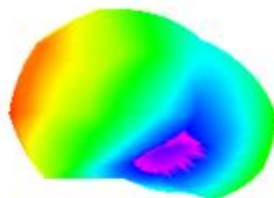
2400.000MHz



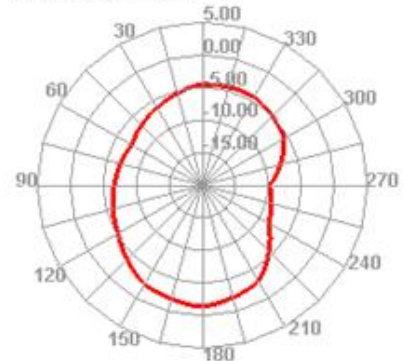
2400.000MHz H



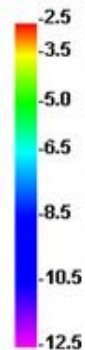
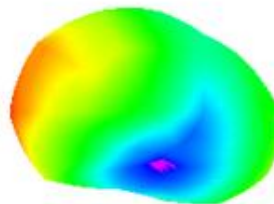
2450.000MHz



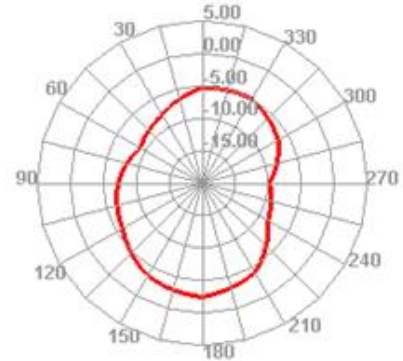
2450.000MHz H



2500.000MHz



2500.000MHz H





# OTA有源测试数据



ANT EIRP&EIS parameter Summary						
频段	BT 2.4G (L)			BT 2.4G (R)		
信道	0	39	78	0	39	78
TRP (dBm)	6.26	5.23	4.41	6.34	4.9	5.9
TIS (dBm)	-88.1	-87.99	-87.81	-88.53	-87.25	-88.37



**感谢您的观看！  
合作愉快**

