



深圳美师傅科技有限公司

Shenzhen Li Tongchuang Technology Co., Ltd.

Room217, Huichao Building, A3 (A4) Yintian Industrial Zone, Yantian Community, Xixiang Street,
Bao'an District, Shenzhen, China

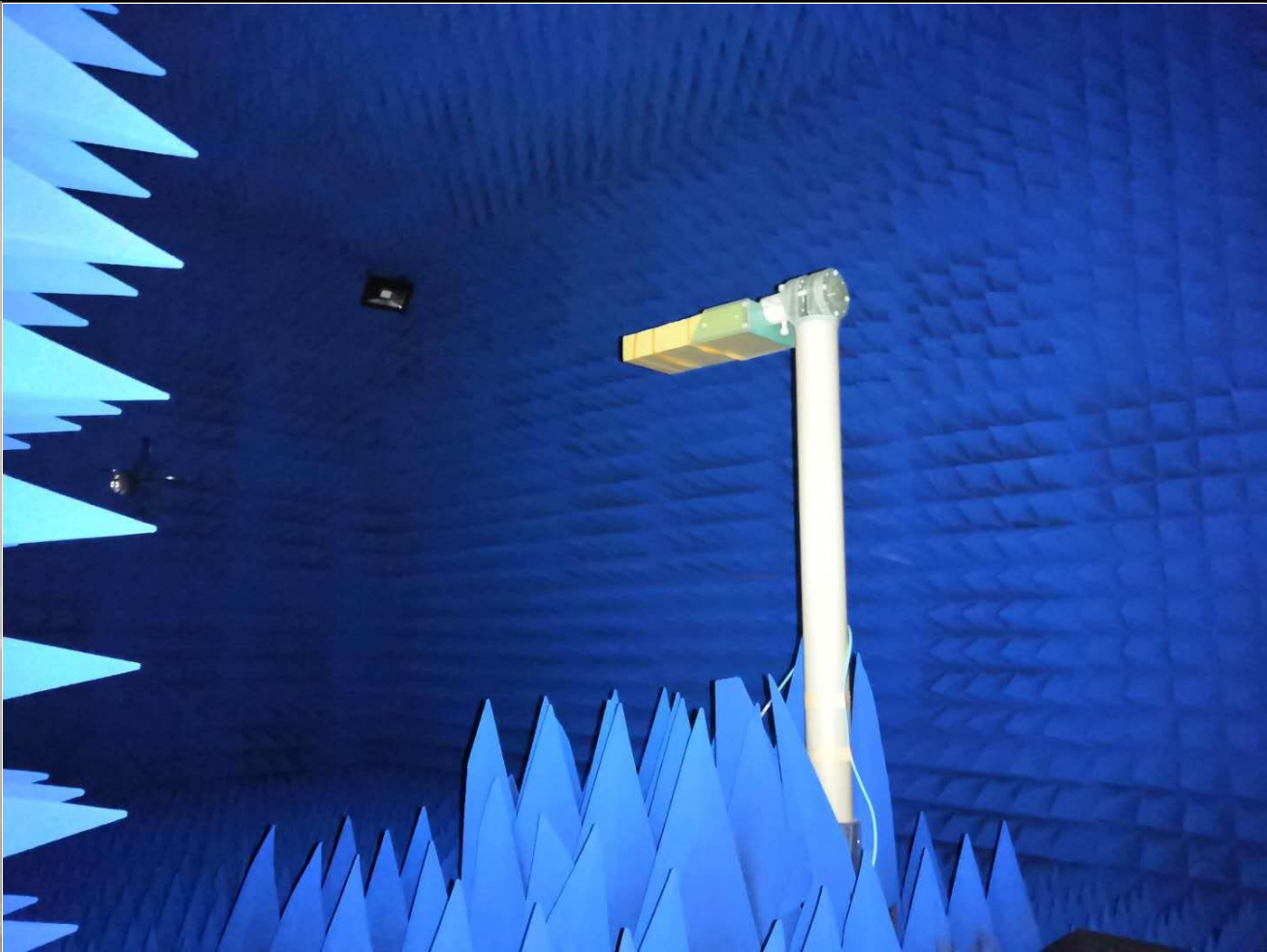
天线测试报告

Antenna Test Report

◆ 日期：2023年07月15日

1.测试工具

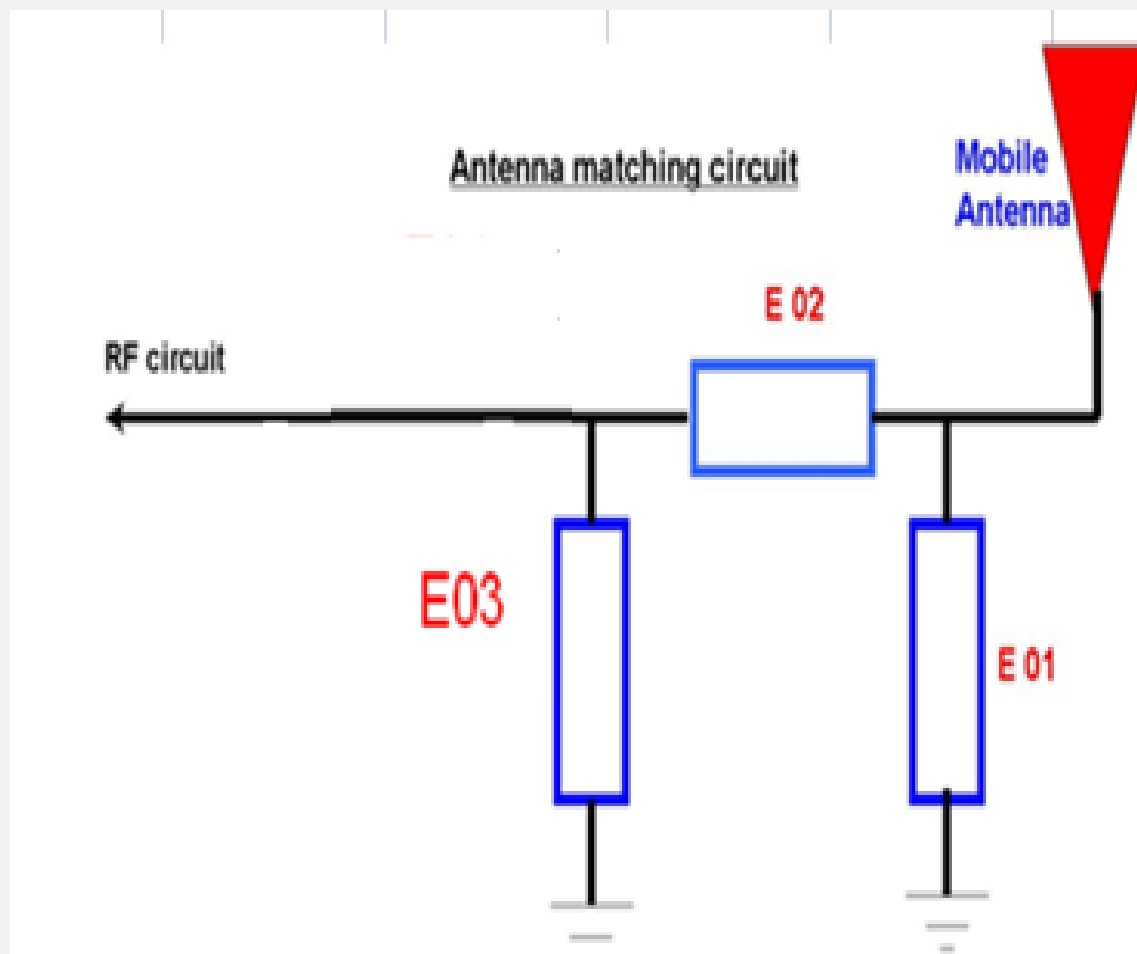
矢量网络分析仪&综测仪	Agilent Technologies E5071B & R&S CMW500
暗室	Atenlab M3
测试工程师	洪祖鹏
温度	25℃
湿度	65%（RH）





客户	美师傅电子有限公司	项目名	S3
频段	2400MHZ-2500MHZ	天线工程：	洪祖鹏
日期	2023/07/15	联系电话：	13713678569

L/R匹配电路图：

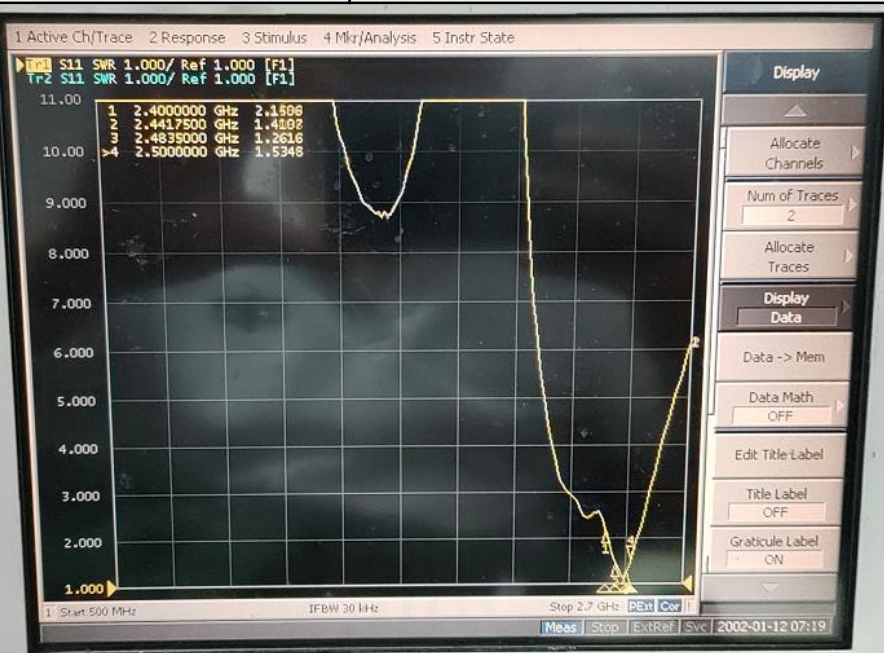
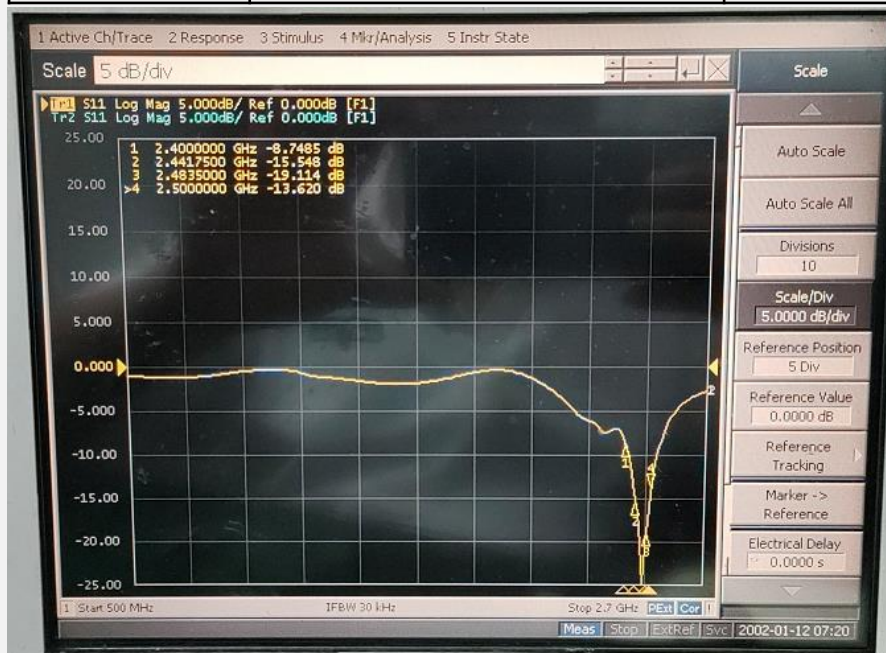


E01	1nH
E02	0R
E03	1.8PF

L/回波损耗及驻波比

YoSong ANT S11 parameter Summary

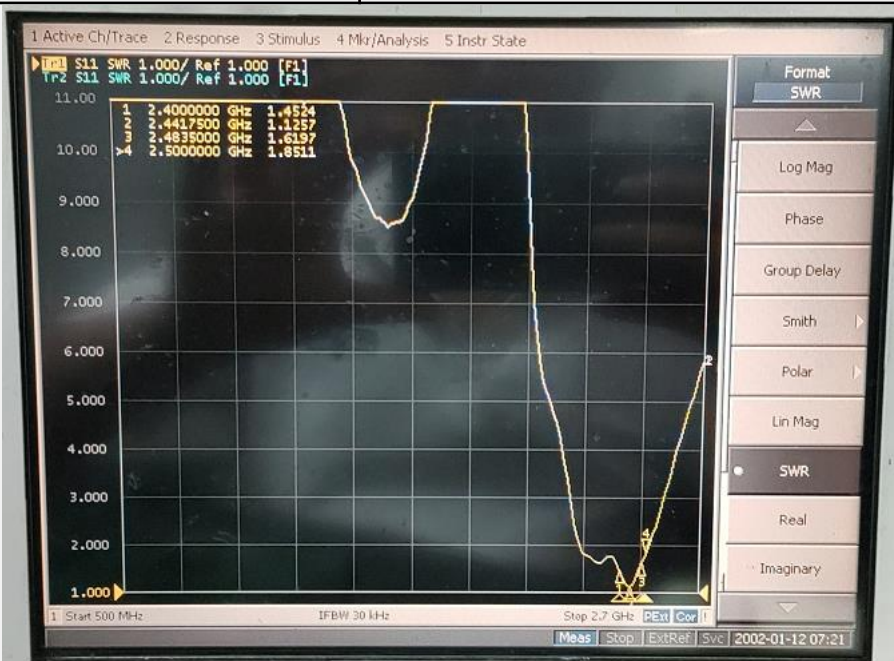
Band	2400-2500 (MHz)		
	2400	2450	2483
R. L (dB)	-8.7	-15.5	-19.1
VSWR	2.1	1.4	1.2



R/回波损耗及驻波比

YoSong ANT S11 parameter Summary

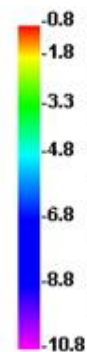
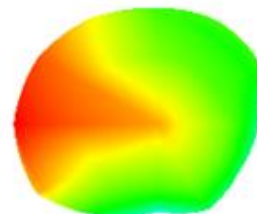
Band	2400-2500 (MHz)		
	2400	2450	2483
R. L (dB)	-14.6	-24.8	-12.5
VSWR	1.4	1.1	1.6



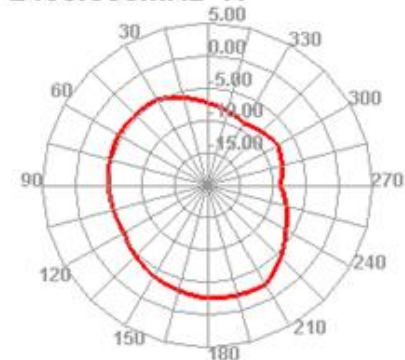
L/效率与增益

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

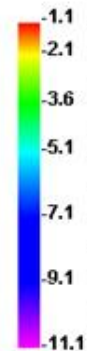
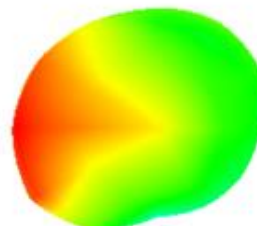
2400.000MHz



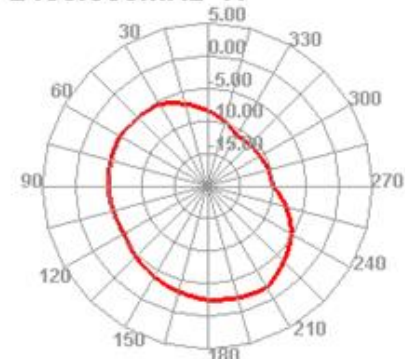
2400.000MHz H



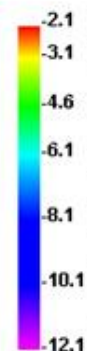
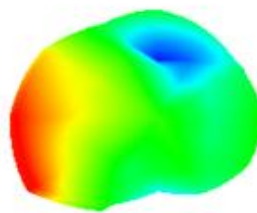
2450.000MHz



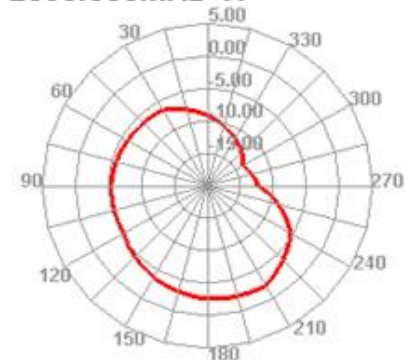
2450.000MHz H



2500.000MHz



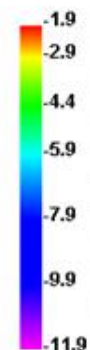
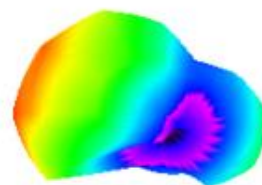
2500.000MHz H



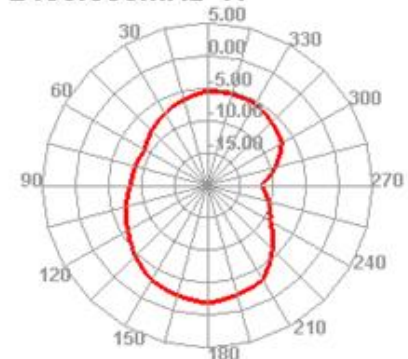
R/效率与增益

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

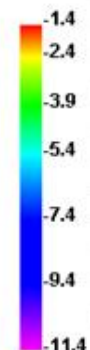
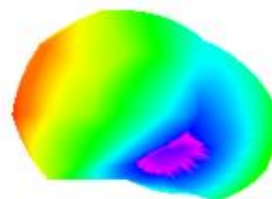
2400.000MHz



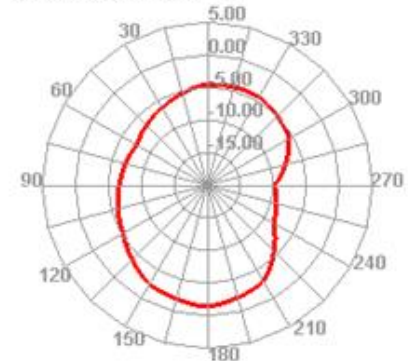
2400.000MHz H



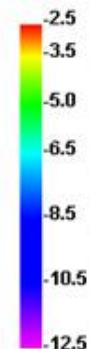
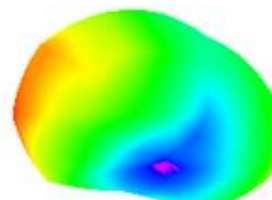
2450.000MHz



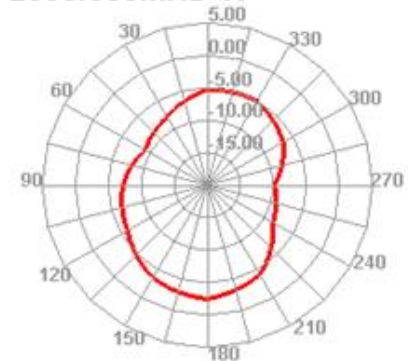
2450.000MHz H



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)	-1.66	0.1	1.59	1.13	0.25	-0.4
TIS (dBm)	-80.48	-85.13	-83.53	-85.83	-84.67	-84.57

楼顶场测环境



室内走廊场测环境





场测						
荣耀x40	顶楼	室内走廊		苹果RX	顶楼	室内走廊
直线360°	16M	30M		直线360°	14M	28M
弯腰	13M	27M		弯腰	12M	27M
捂手	4M	7M		捂手	5M	6M



**感谢您的观看！
合作愉快**

