

天线测试报告

Test Report

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项目名:
射 频: 俸仕达
日 期: 2023-11-08
版 本: V01

测试样品及环境

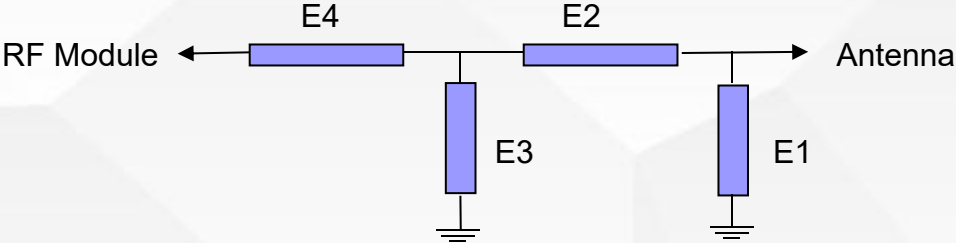


实验室测试环境及设备



测试项目	测试设备
S11、S12、VSWR、LOSS	网络分析仪E5071C、ZVB8
Efficiency、Gain 3D Radiation Pattern	SG24暗室、E5071C
TRP、TIS	SG24暗室、CMW500、ZVB8

主天线匹配电路



主天线	Element	Value	附图说明
	E1(0402)	、	原匹配电路无修改。
	E2(0402)	、	
	E3(0402)	、	
	E4(0402)	、	

Specification/规范

2.4GBT-Efficiency /效率 Gain/增益

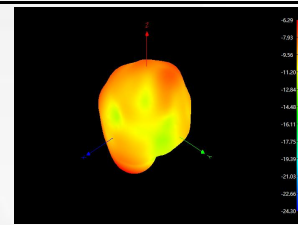
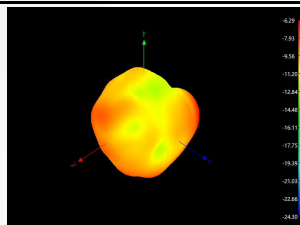
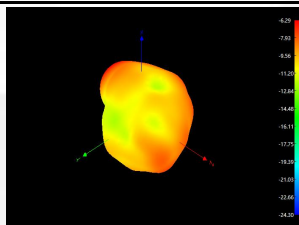
Frequency/Mhz	Efficiency / dB	Efficiency / %
2400	-10.41	9.1
2410	-10.87	8.18
2420	-10.06	9.86
2430	-10.16	9.64
2440	-9.87	10.3
2450	-9.67	10.79
2460	-9.5	11.22
2470	-9.12	12.25
2480	-9.32	11.69
2490	-8.56	13.93
2500	-8.77	13.27

Frequency/MHz	MaxGain/dBi	AvgGain/dBi
2400	-4.8	-10.41
2410	-5.74	-10.87
2420	-4.56	-10.06
2430	-4.99	-10.16
2440	-4.62	-9.87
2450	-4.4	-9.67
2460	-4.1	-9.5
2470	-3.24	-9.12
2480	-3.6	-9.32
2490	-2.01	-8.56
2500	-2.59	-8.77

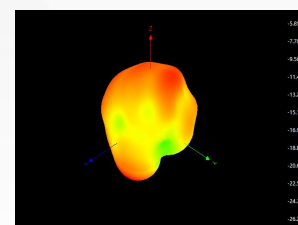
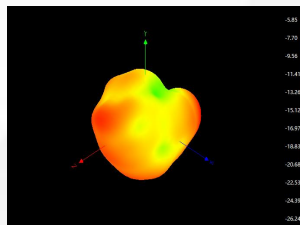
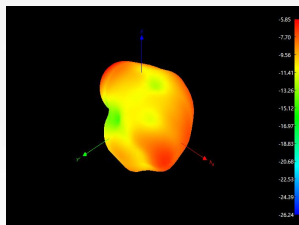
Specification/规范

2.4G-3D drawing

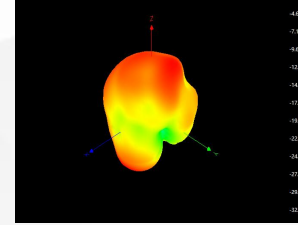
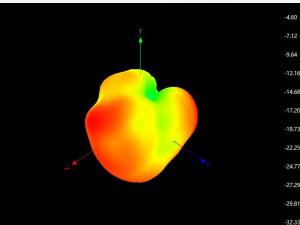
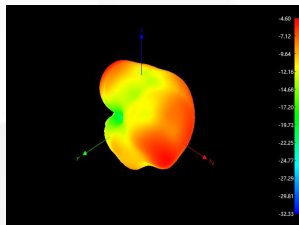
2.4G



2.45G



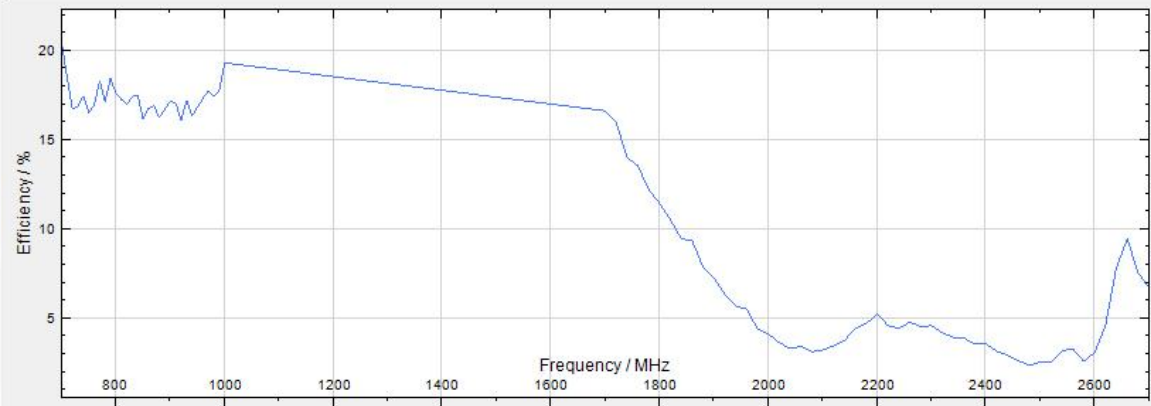
2.45G



Specification

Efficiency%

700M-2700MEfficiency%

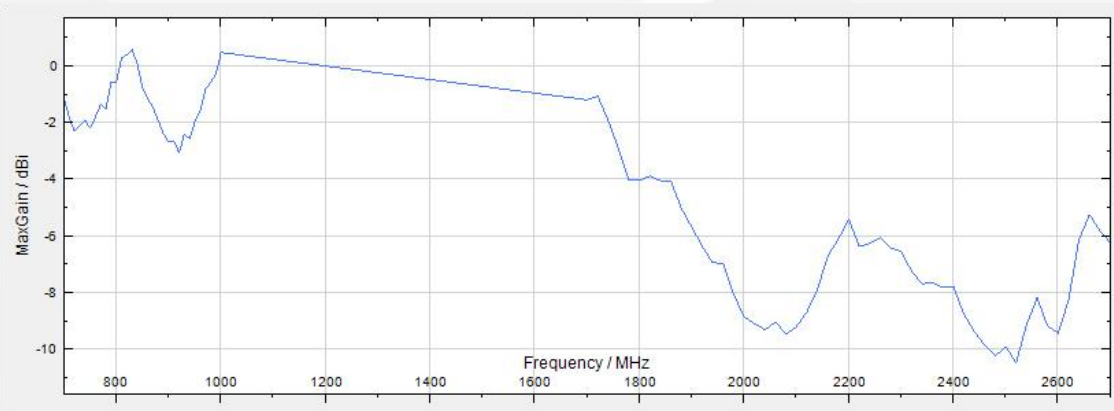


Frequency/Mh z	824	880	960	1710	1950	2170	2350	2650
Efficiency%	16.98	16.62	17.34	16	5.69	4.46	3.94	9.46

Specification

AvgGain/dBi

700M-2700MAvgGain/dBi

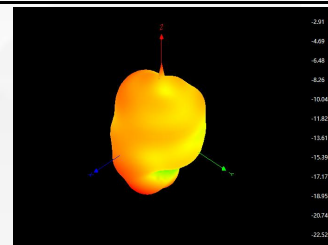
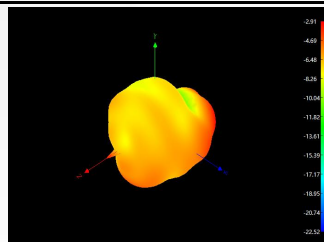
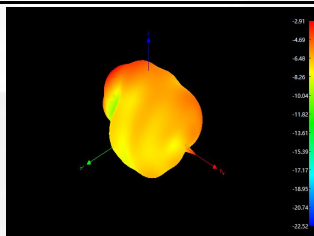


Frequency/Mh z	824	880	960	1710	1950	2170	2350	2650
AvgGain/dB i	0.61	-1.93	-1.61	-1.04	-6.95	-6.69	-7.36	-6.11

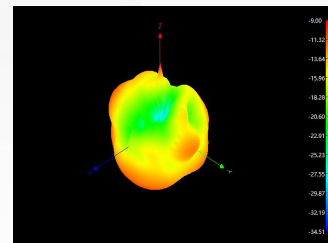
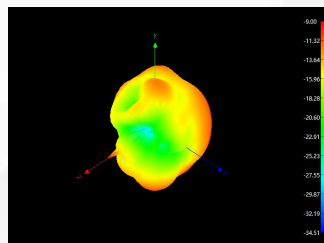
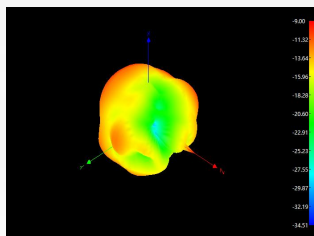
Specification/规范

4G-3D drawing

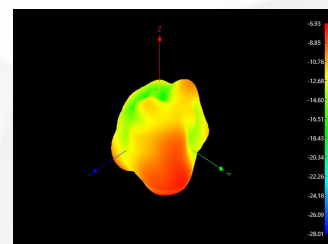
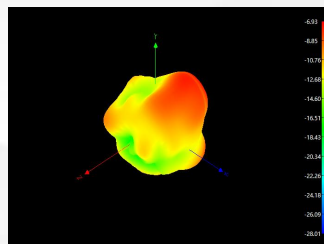
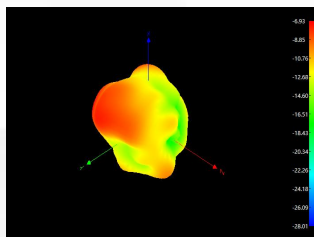
880M



2170M



2659M



THE END

感谢您的宝贵意见！