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让无线电波助力未来生活



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TG3211-1_AI376W天线性能报告

Preparation: 苏工
Date: 2026.03.12
Version: V1.0

项目概述 Project Overview



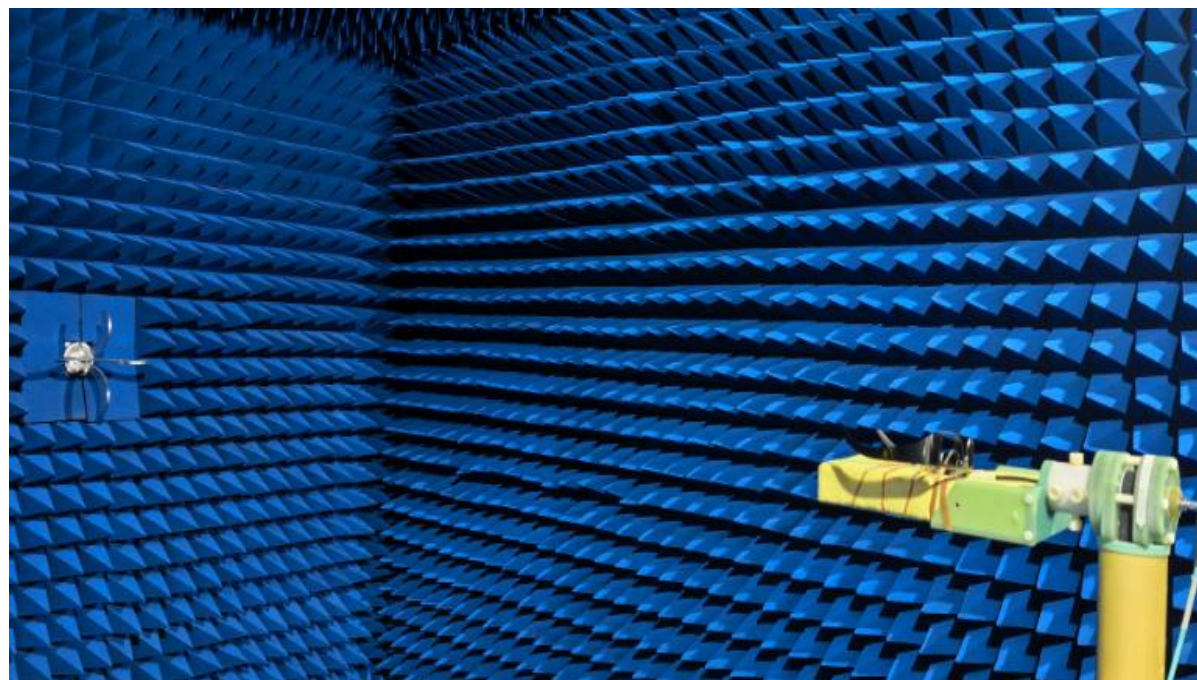
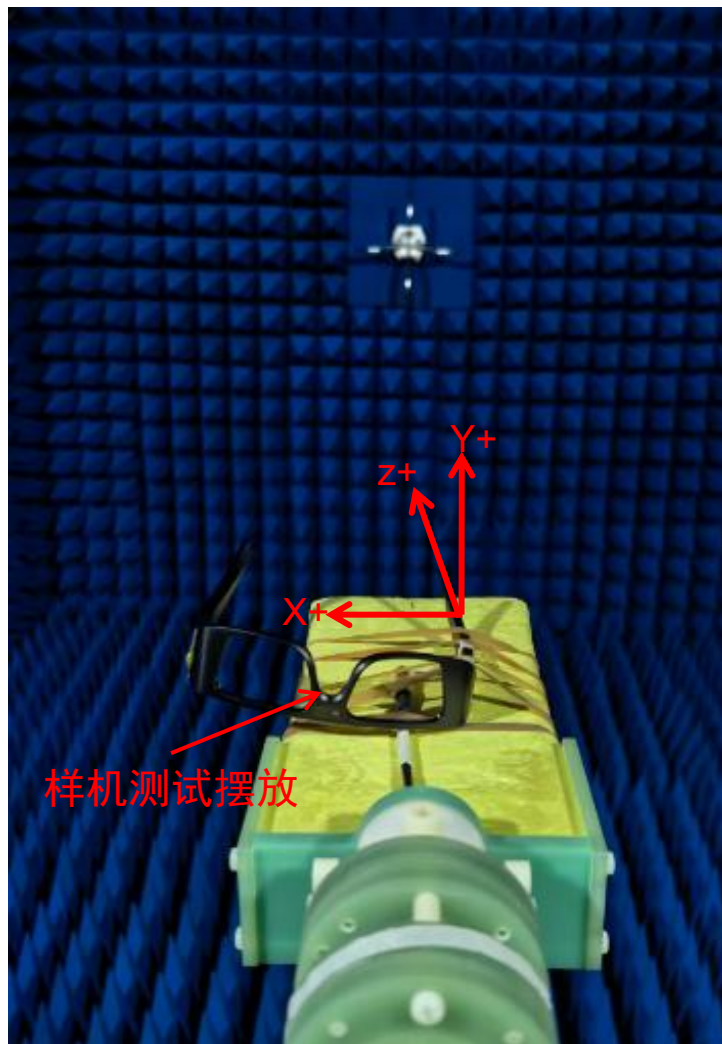
主天线设计频段: main antenna design spectrum	WIFI:2412~2472MHz
天线类型: Type of antenna	N/A
副天线设计频段: Deputy antenna design spectrum	N/A
天线类型: Type of antenna	N/A
分集天线频段: Frequency diversity antenna	N/A
天线类型: Type of antenna	N/A

报告版本: Report version	日期 Date	内容 Content
V1.0	2026.03.12	WIFI天线性能报告

测试场景 Test Scene



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$H = XY$
 $E1 = XZ$
 $E2 = YZ$

项目样机展示 Project prototype display



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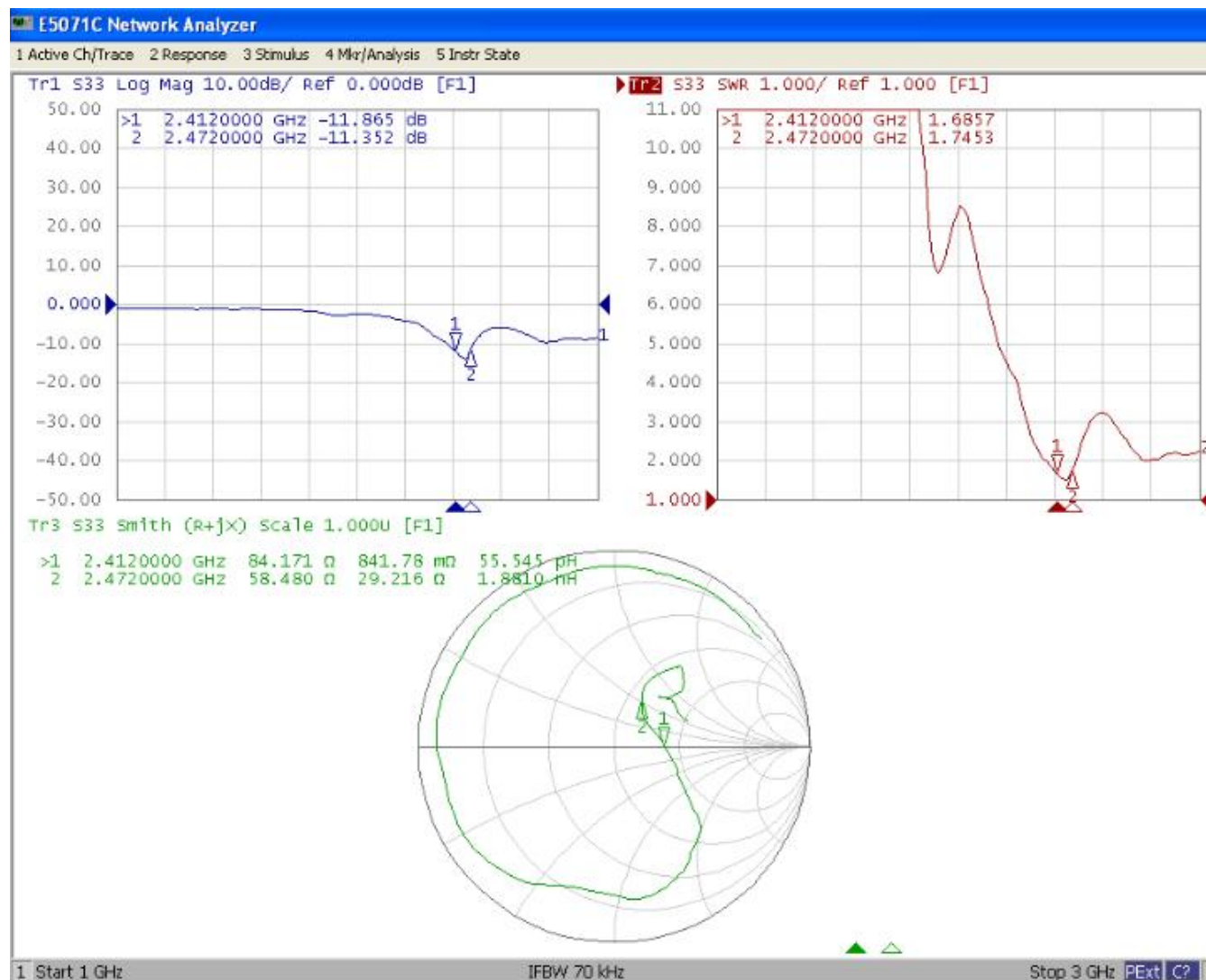


S11测试 S11 Test



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自由空间测试



无源测试数据 Passive test data



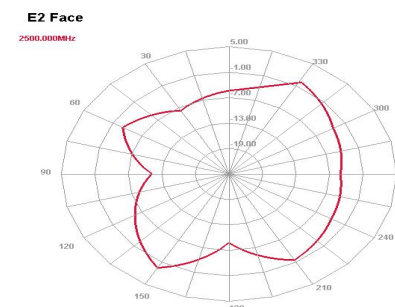
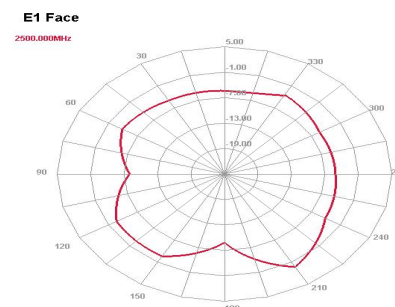
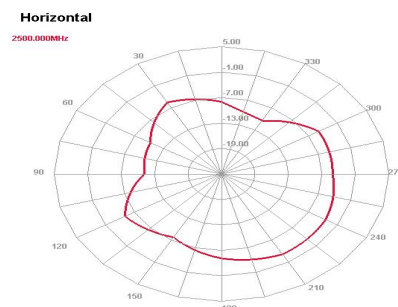
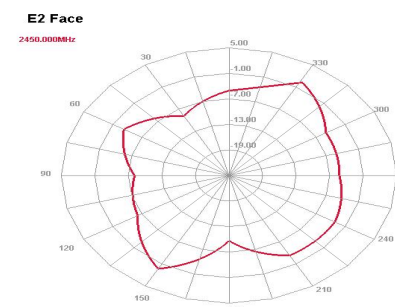
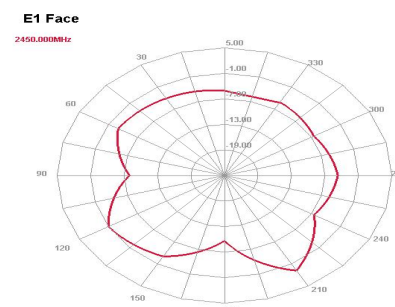
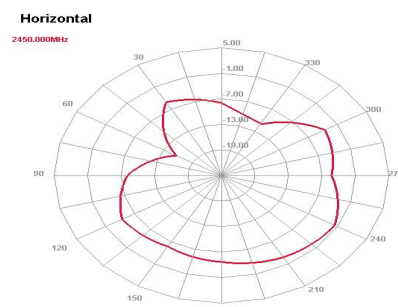
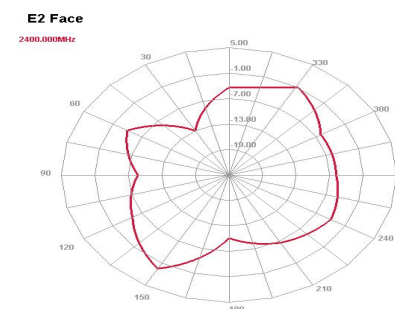
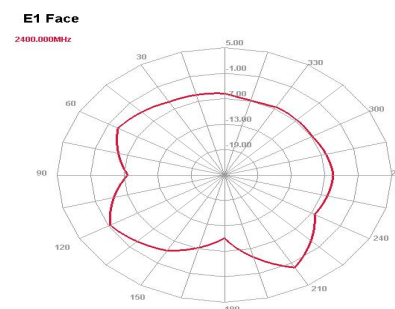
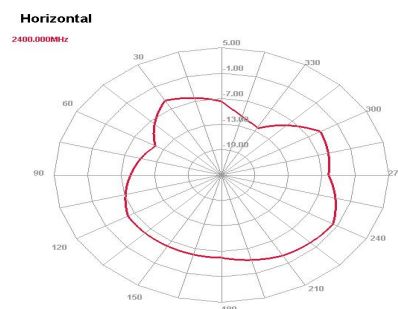
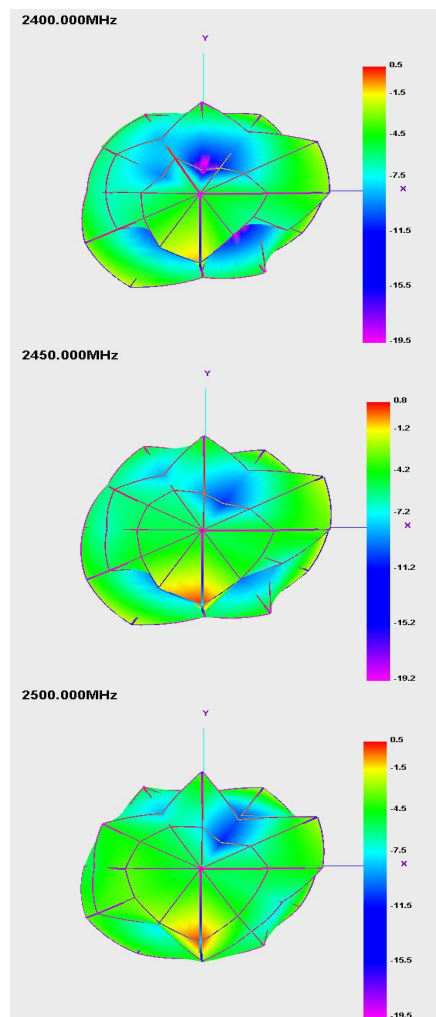
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Freq (MHz)	Effi (%)	Gain (dBi)
2400	37.6	0.5
2410	39.07	0.67
2420	34.64	0.11
2430	38.67	0.36
2440	39.38	0.75
2450	39.47	0.82
2460	38.31	0.74
2470	35.72	0.61
2480	36.65	1.07
2490	34.93	0.92
2500	33.7	0.54

方向图 Radiation pattern



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有源测试数据 Active test data



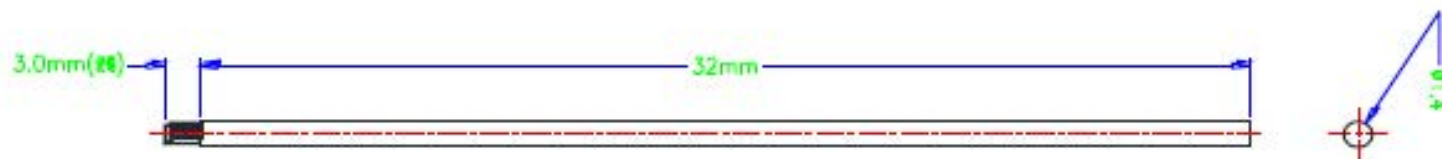
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BAND	信道	TRP	TIS
WIFI 11B		1Mbps	11Mbps
	1	13.58	-84.92
	7	14.04	-84.34
	13	14.58	-84.46

天线安装 Antenna installation



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Thanks