



广东森领通信科技有限公司

GUANGDONG SLEING COMM-TECH CO., LTD

承 认 书

SPECIFICATION APPROVAL SHEET

客 户 :

CUSTOMER

客 户 料 号 :

CUS PART NO

版次:

REV

X1

品 名 / 规格 :

SPECIFICATION

2.4-2.5GHz

WIFI Antenna on board (15*6.4mm)

单重:

weight

供 方 料 号 :

SUP PART NO

日 期 :

DATE

2026.01.12

厂 商 核 准 :

SUP APPROVED

核准 APPROVED	结构审核 Structure audit	RF审核 RF CHECKED	品保审核 QA CHECKED	承办 DESIGNED

客 户 核 准 :

CUS APPROVED

核准 APPROVED	审核 CHECKED	品保审核 QA CHECKED	承办 DESIGNED

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正本由承办单位保存



变更记录

MODIFICATION RECORD SHEET

版本 (REV.)	更改日期 (Modification date)	更改内容描述 (Summary of modification content)	拟制 (Signature)	批准 (Approval)
X1	2026.01.12	初版发行 (First Issue)	胡赵海 (Jerry)	朱正锐 (Jongrei)



承认书项目表 (Spec Item)

序号 (NO.)	项目 (Project)	备注 (Remark)	页码 (Page)
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Give clear indication of:

1. The contents of the acknowledgement shall be arranged in order according to the items in the check sheet.
2. The number of copies of the acceptance letter shall be printed according to the customer's requirements, and the SGS report shall be stamped with the engineering seal.
3. All materials shall be confirmed by the customer. Any material/process/changes that may affect product quality and environmental quality must be re-sent to the customer for confirmation before import.
4. SGS report is valid for one year.
5. According to the contents attached to the actual acknowledgement, check the check form: "Yes" is provided, "no" is provided according to customer requirements.



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电性测试报告

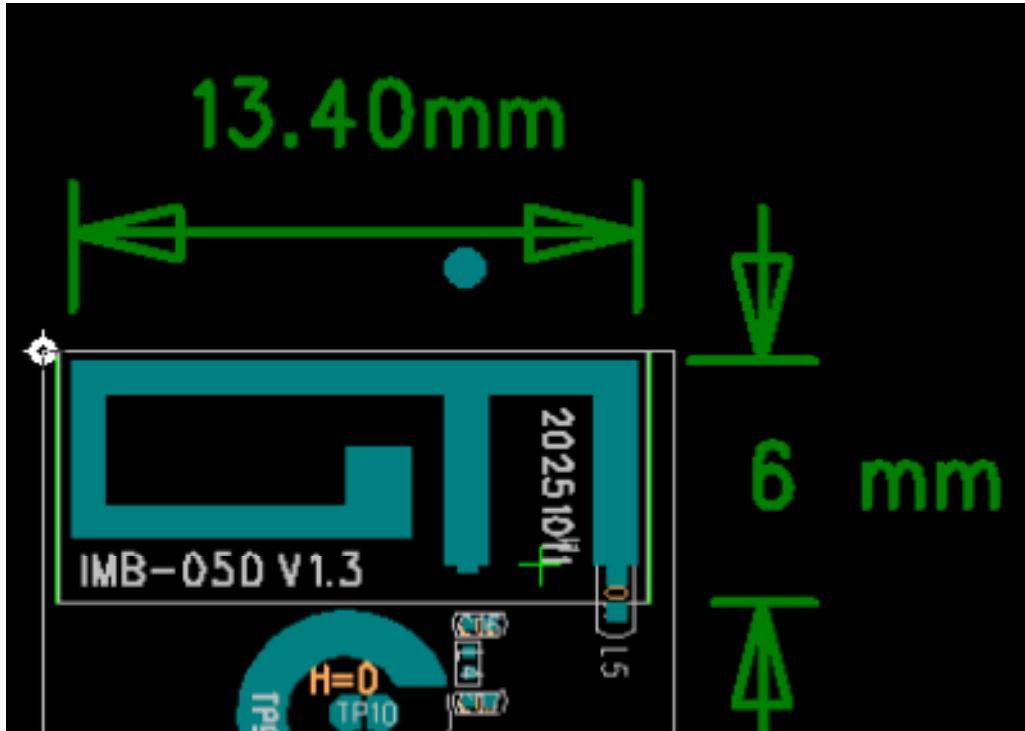
Test Reports

Electrical Properties	
Frequency	2.4-2.5 GHz(带机测试)
Impedance	50 Ohm Nominal
V.S.W.R	≤ 2.0
Return Loss	-10dB Max
Radiation	Omni-directional
Gain (Peak)	2.4G: 1.98 dBi
Polarization	Linear, Vertical
Admitted Power	2 W
Connector	on board
Physical Properties	
Antenna Material	on board
Cable Type	
Operating Temp	-20°C-85°C
Storage Temp.	-20°C-85°C

天线组装图

Antenna assembly diagram

Device



The image shows the top view of the IMB-050 V1.3 device. It is a rectangular component with a width of 13.40mm and a height of 6mm. The device features a central rectangular cutout and a smaller rectangular feature on the right side. The text "IMB-050 V1.3" is printed on the left side, and "20251011" is printed on the right side. A circular feature with the text "H=0" and "TP10" is visible at the bottom. The device is shown against a black background with white dimension lines and text.

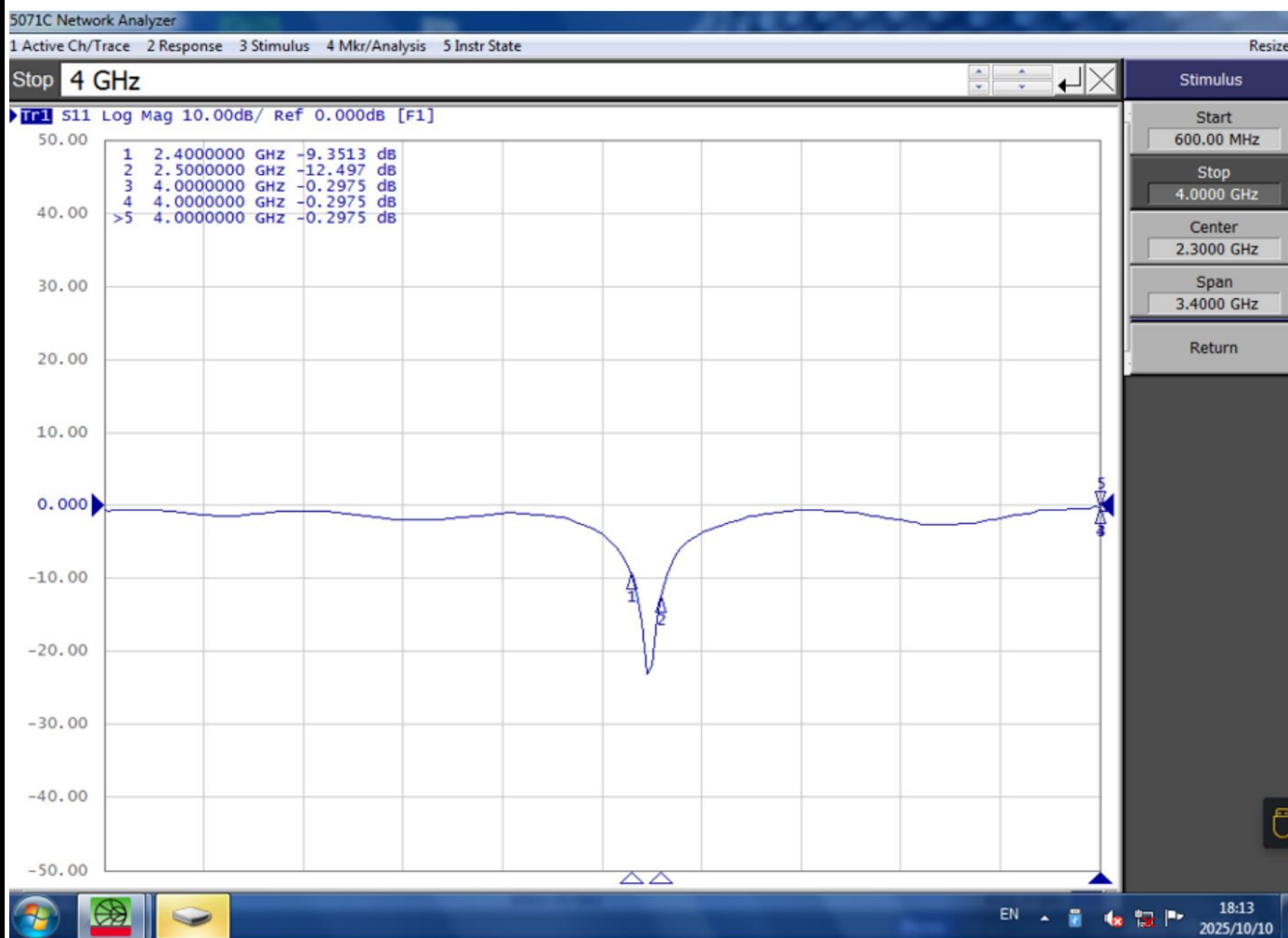
S参数测试

S Parameter Test

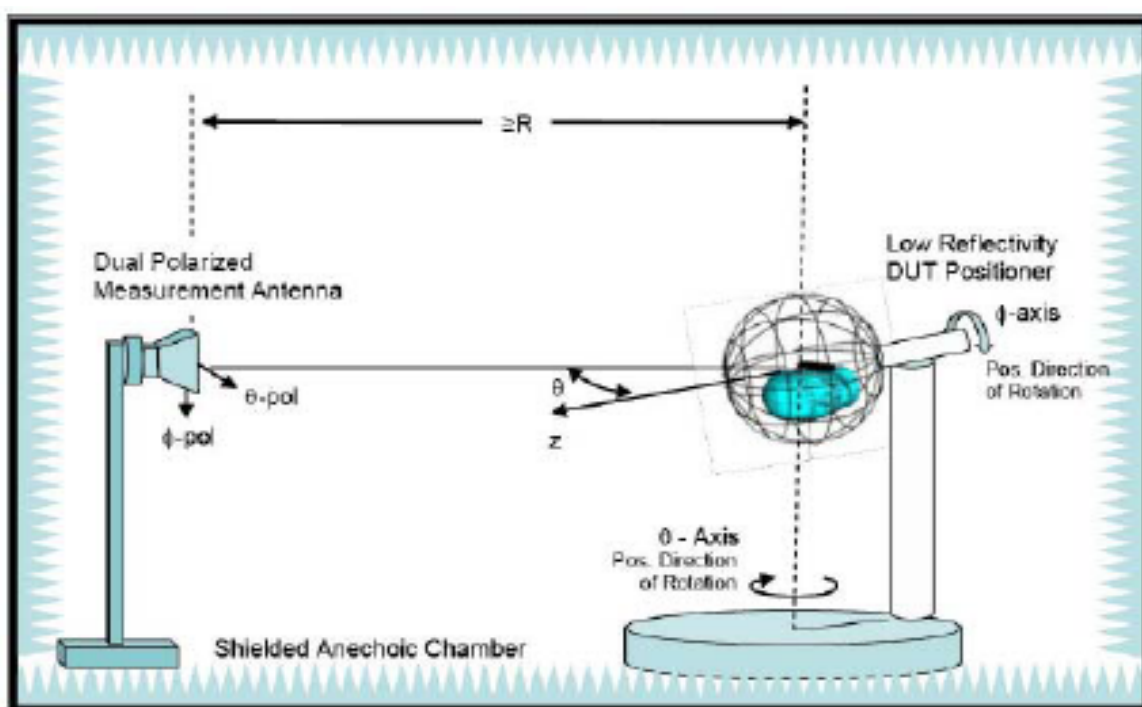
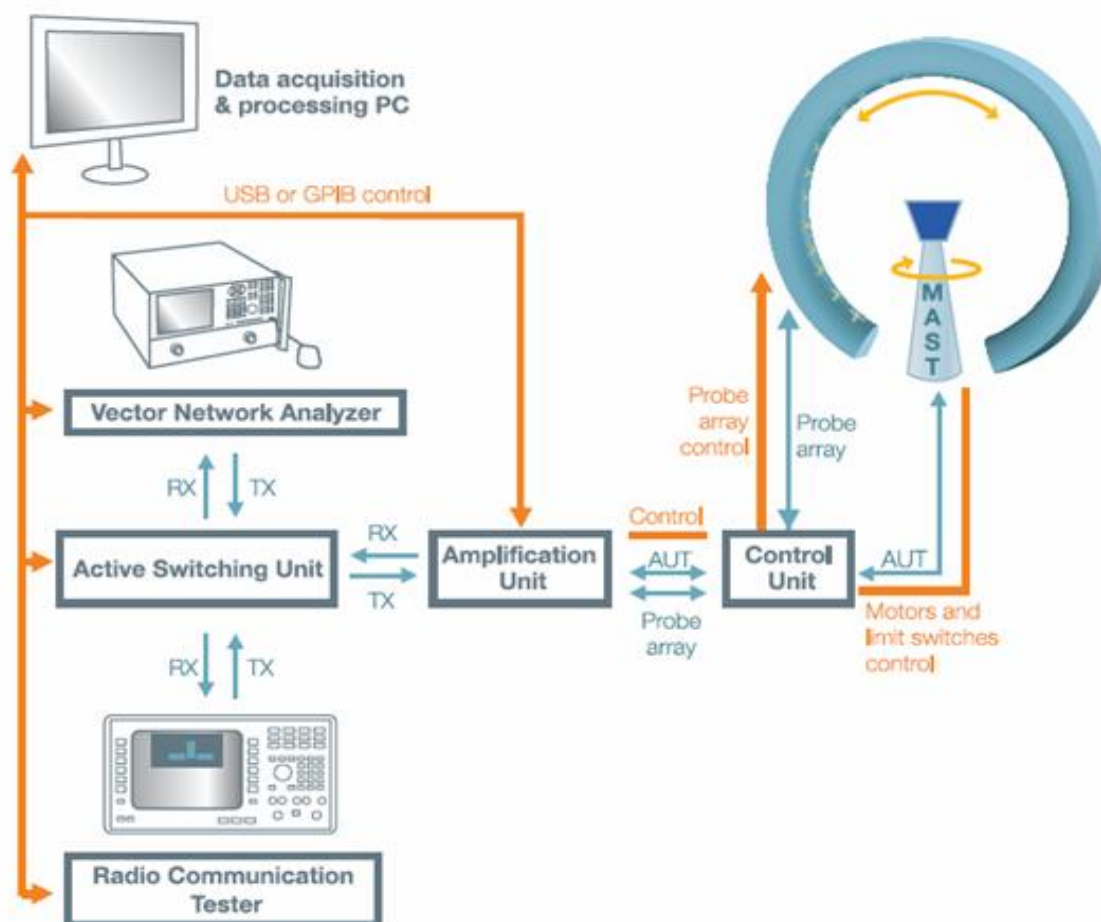
Agilent E5071C Network Analyzer



RF Antenna (Return Loss)



测试设备 Test Setup





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测试效率 Test Efficiency

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Efficiency (dBi)	-5.19	-4.74	-4.51	-4.38	-4.12	-3.85	-3.71	-3.62	-3.66	-3.64	-3.80
Gain (dBi)	0.31	0.75	1.04	1.32	1.60	1.80	1.92	1.98	1.85	1.72	1.57
Efficiency (%)	30.27	33.60	35.40	36.44	38.77	41.17	42.54	43.44	43.03	43.21	41.70

方向图 Pattern

