

承 认 书

SPECIFICATION APPROVAL SHEET

客 户 :

CUSTOMER

客 户 料 号 :

CUS PART NO

版次:

REV

X2

品 名 / 规格 : 2.4~2.5/5.15~5.85/5.9~7.2GHz

SPECIFICATION WIFI MAIN Antenna L=150mm(Ø0.81+MHF)

单重:

weight

供 方 料 号 :

SUP PART NO

SLEingB243740150

日 期 :

DATE

2023.11.21

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
<i>Jouyfan</i>	<i>H2M</i>	<i>70M</i>	<i>LSY</i>	<i>Xuany</i>

客 户 核 准 :

CUS APPROVED

核准 APPROVED	审核 CHECKED	品保审核 QA CHECKED	承办 DESIGNED

东莞市森岭智能科技有限公司

DONGGUAN CITY SLEing INTEL-TECH CO., LTD

中国广东省东莞市松山湖工业东路24号现代企业加速器6栋402

Room 402, No. 6 Plant, Accelerator of Modern Enterprise, No. 24 Industry
East Road Songshanlake District, Dongguan City, Guangdong

Tel: +86-076989208968

Fax: +86-0769-89208969

www.sleing.com

正本由承办单位保存

[illegible]



东莞市森岭智能科技有限公司

DONGGUAN SLEing INTEL-TECH CO., LTD

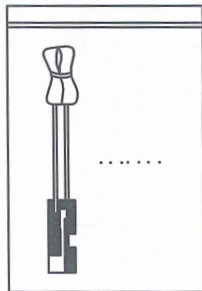
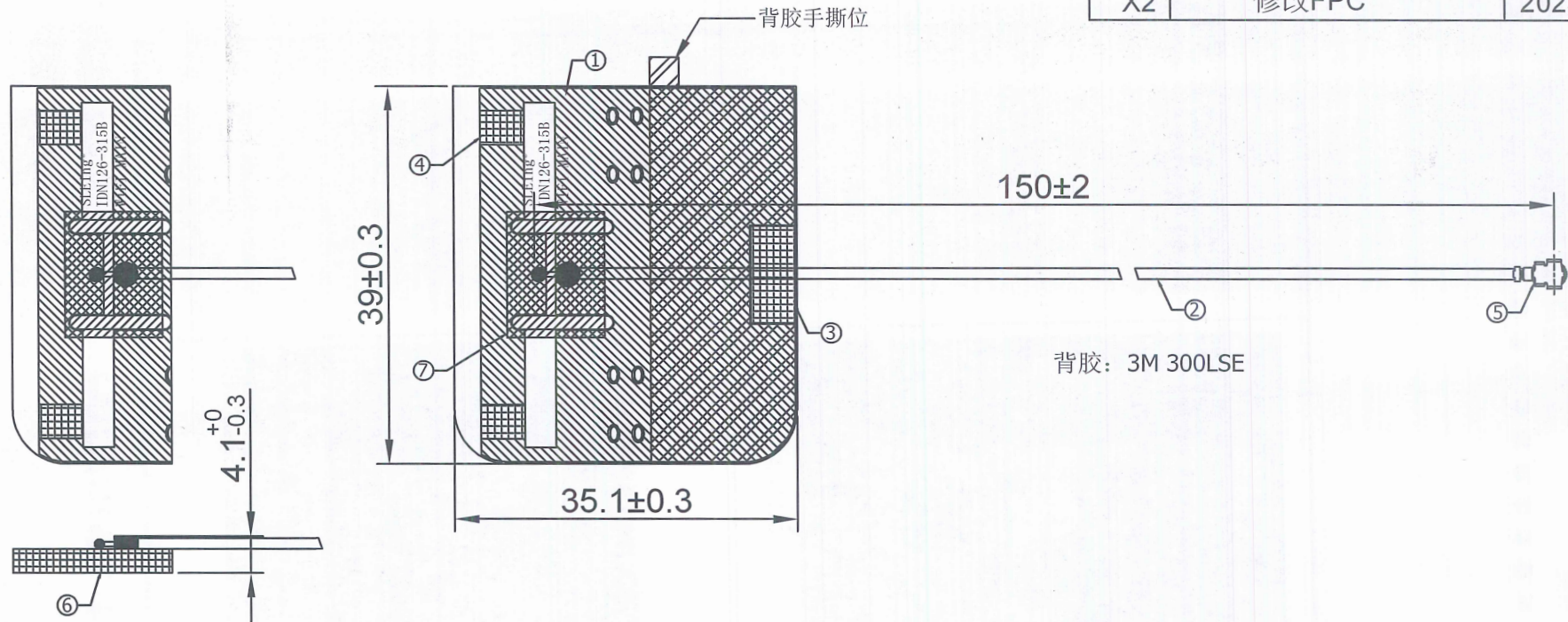
承认书项目表 (Spec Item)

序号 (NO.)	项目 (Project)	备注 (Remark)	页码 (Page)
1	承认书封面 (Spec Cover)		1
2	变更记录 (MODIFICATION RECORD SHEET)		2
3	承认书项目表 (Spec Item)		3
4	工程成品图 (Drawing)		4
5	电性测试报告 (Test Reports)		5
6	天线组装图 (Antenna assembly diagram)		6
7	S参数测试 (S Parameter Test)		7
8	测试设备 (Test Setup)		8
9	测试效率 (Test Efficiency)		9

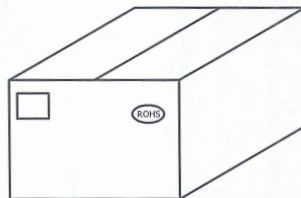
Give clear indication of:

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.

REV.	CONTENT	DATE
X1	First Sample	2023.11.14
X2	修改FPC	2023.11.21

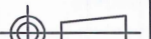


50pcs/Bundle
Packing:100pcs/bag



外箱须贴ROHS标签与物料标签各1PCS

Specification:
Frequency Rang:2.4~2.5/5.15~5.85/5.9~7.2GHz(帶机测试)
Return Loss:-10dB or less
VSWR:1.92 Max

50pcs/Bundle Packing:100pcs/bag					外箱须贴ROHS标签与物料标签各1PCS					SLEing® 森岭 东莞市森岭智能科技有限公司 DONGGUAN SLEing INTEL-TECH CO.,LTD					CUSTOMER				
7	醋酸布	L13*W10mm		1	6	泡棉	L39*W16.3*T2.5mm		1						5	Connector	MHF Plug for Φ0.81 Cable	第四代端子	1
4	导电海绵	L4.5*W3.5*T2.0mm		2	3	导电海绵	L10.0*W4.5*T2.0mm		1	 TOLERANCE UNLESS OTHERWISE SPECIFIED		S.L P/NO		SLEingB243740150					
2	Cable	Φ0.81mm Coaxial Cable Black,50Ω		1	1	FPCB	FPC,L39.0*W35.1*T0.1mm,Color:Black	300LSE Adhesive	1			SIZE	DRAWN	CHECKED	APPROVED	A			
NO		PART NAME	DESCRIPTION		REMARK		Q'TY		UNIT:mm		ANGLES ±0.5°		X. ±0.3		A4		Xiaoyang 2023 11 21 工程部 H24 Jonyn		
									SHEET: 1/1		0.XX ±0.05		XX. ±0.5						
									SCALE: 1/1				XXX. ±2.0						



东莞市森岭智能科技有限公司

DONGGUAN SLEing INTEL-TECH CO.,LTD

电性测试报告

Test Reports

Electrical Properties	
Frequency	2.4~2.5/5.15~5.85/ 5.9~7.2GHz(带机测试)
Impedance	50 Ohm Nominal
V.S.W.R	≤ 1.92
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	2 $\pm$ 0.5 dBi
Polarization	Linear, Vertical
Admitted Power	2 W
Connector	MHF
Physical Properties	
Antenna Material	FPCB
Cable Type	Φ 0.81mm Black
Operating Temp.	-40~+85 °C
Storage Temp.	-5~+30 °C

S 参数测试

S Parameter Test

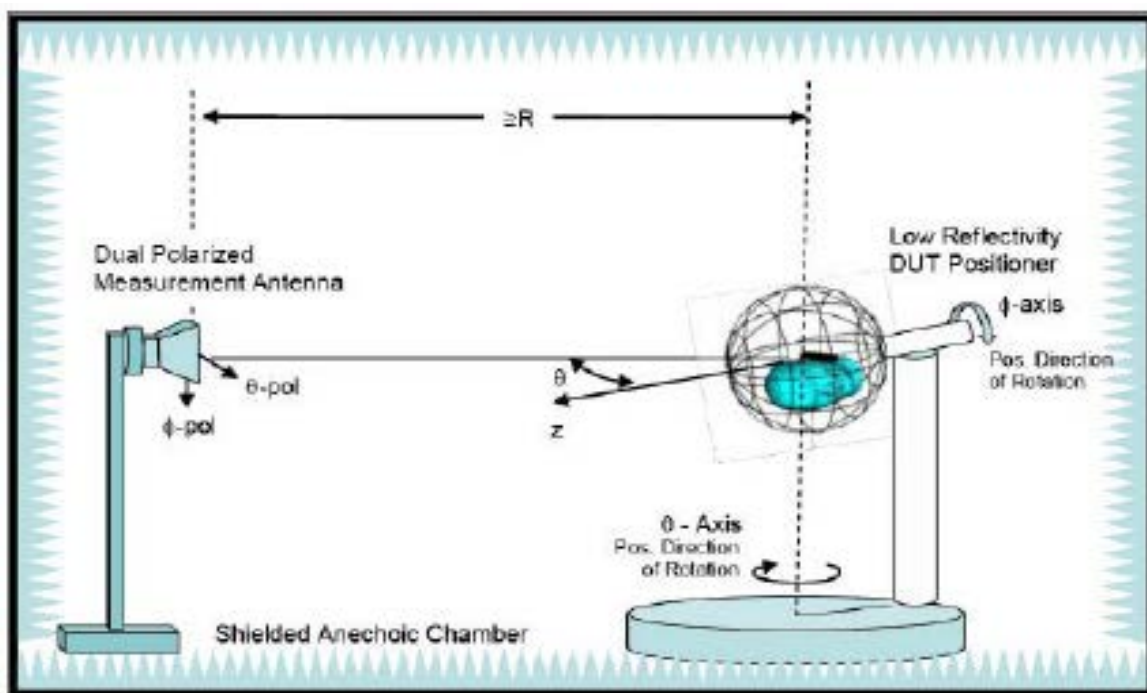
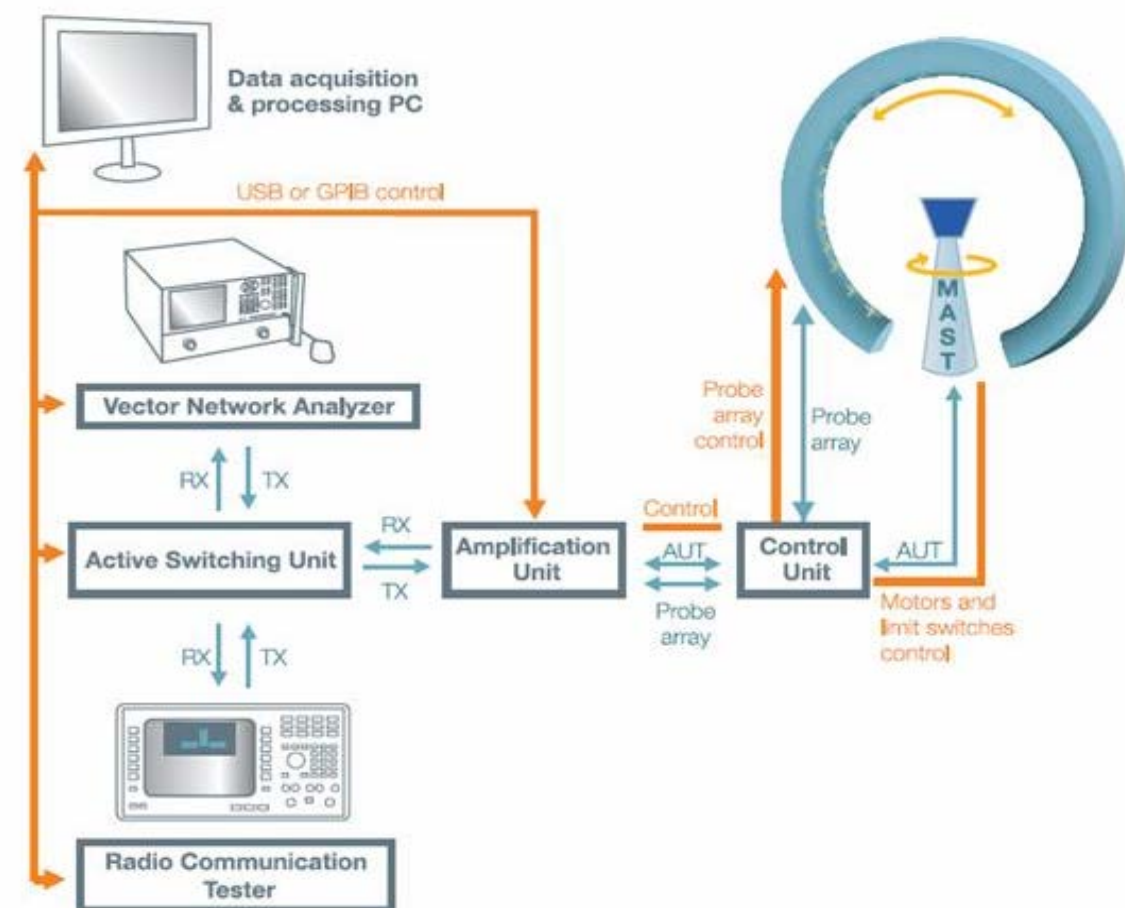
Agilent E5071C Network Analyzer



WiFi 回波损耗 Antenna (NO.1)

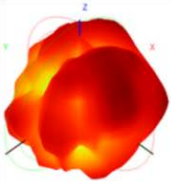
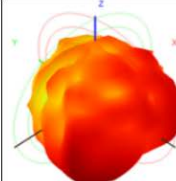
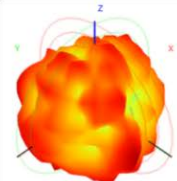


测试设备 Test Setup



测试效率

Test Efficiency

WIFI_MAIN_2.4G	Frequency ID	1	2	3	4	5	6	7	8	9	10	11				
	Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0				
	Gain (dBi)	1.97	1.25	1.99	1.90	1.77	1.64	1.02	1.15	1.00	1.41	0.93				
	Efficiency (%)	23.26	23.73	23.29	23.30	24.97	25.16	25.13	24.96	24.94	24.35	24.07				
WIFI_MAIN_5G	Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Frequency (MHz)	5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
	Gain (dBi)	1.51	1.73	0.31	0.07	0.10	-1.07	-0.68	0.59	0.98	1.43	1.06	0.24	0.72	0.82	0.22
	Efficiency (%)	31.39	28.22	25.11	25.21	25.08	25.36	25.08	25.53	25.46	26.94	26.12	26.43	26.88	26.84	26.22
WIFI_MAIN_6G	Frequency ID	1	2	3	4	5	6	7	8	9	10	11				
	Frequency (MHz)	6000.0	6120.0	6240.0	6360.0	6480.0	6600.0	6720.0	6840.0	6960.0	7080.0	7200.0				
	Gain (dBi)	0.95	0.98	0.84	0.85	0.91	0.73	0.65	0.83	0.91	0.59	0.31				
	Efficiency (%)	21.25	21.31	22.24	21.12	19.32	20.61	20.57	19.17	18.21	21.42	20.43				
																
2.4G				5G				6G								