

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

单重:

SPECIFICATION WIFI AUX Antenna L=365mm(Ø0.81+MHF)

weight

供 方 料 号 :

SUP PART NO

SLEingB243750370

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>Jiang</i>	H24	70M	LSY	<i>Wang</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

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正本由承办单位保存

[illegible]



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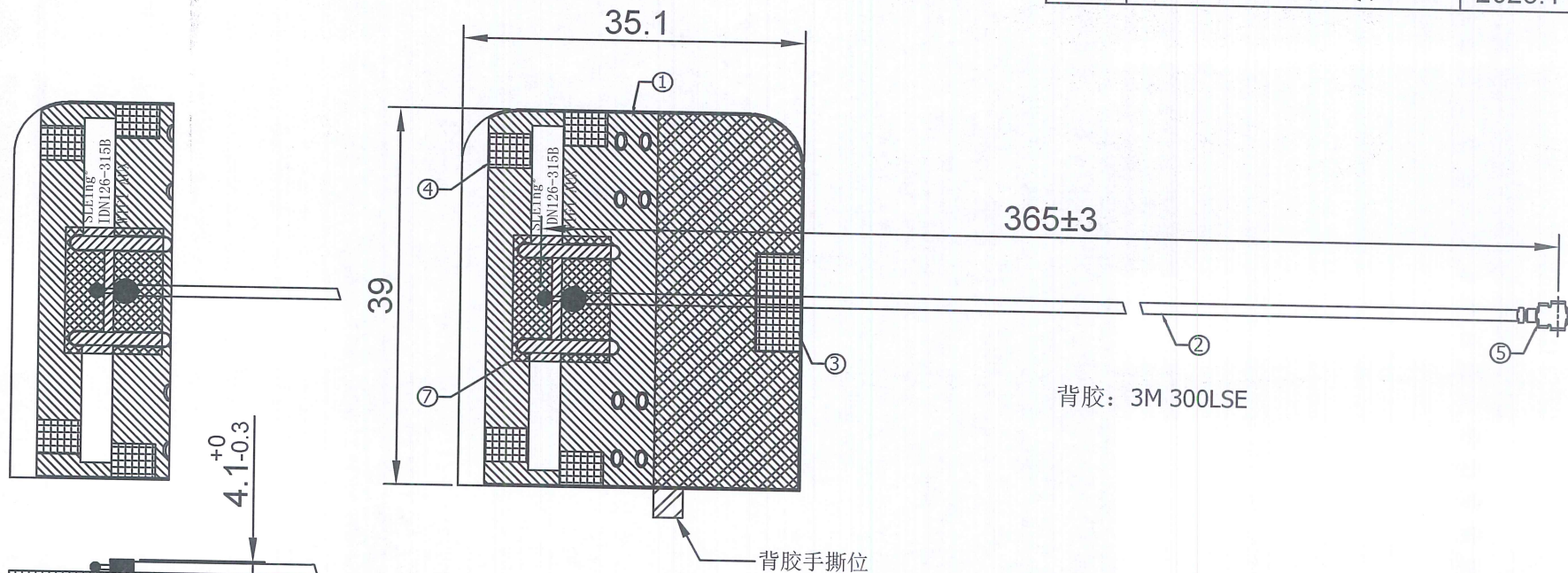
承认书项目表 (Spec Item)

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

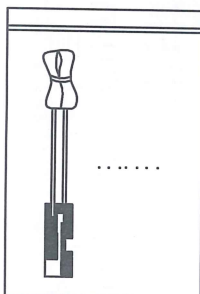
Give clear indication of:

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.

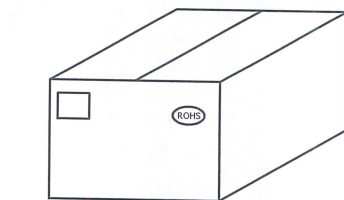
REV.	CONTENT	DATE
X1	First Sample	2023.11.14
X2	修改FPC及线长	2023.11.21



Specification:
Frequency Rang:2.4~2.5/5.15~5.85/5.9~7.2GHz(带机测试)
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

7	醋酸布	L13*W10mm		1	SLEing® 森岭 东莞市森岭智能科技有限公司 DONGGUAN SLEing INTEL-TECH CO.,LTD	CUSTOMER		
6	泡棉	L39*W16.3*T2.5mm		1		PART NO		
5	Connector	MHF Plug for Φ0.81 Cable	第四代端子	1		TITLE		WIFI AUX ANTENNA
4	导电海绵	L4.5*W3.5*T2.0mm		4		S.L P/NO		SLEingB243750370
3	导电海绵	L10.0*W4.5*T2.0mm		1		SIZE		
2	Cable	Φ0.81mm Coaxial Cable Grey,50Ω		1	 TOLERANCE UNLESS OTHERWISE SPECIFIED UNIT:mm SHEET: 1/1 SCALE: 1/1	DRAWN		
1	FPCB	FPC,L39.0*W35.1*T0.1mm,Color:Black	300LSE Adhesive	1		CHECKED		
NO	PART NAME	DESCRIPTION	REMARK	Q'TY		APPROVED		
8						A4		
7						2023.11.21		
6						工程		
5						1		



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 Grey
Operating Temp.	-40~+85 °C
Storage Temp.	-5~+30 °C

S 参数测试

S Parameter Test

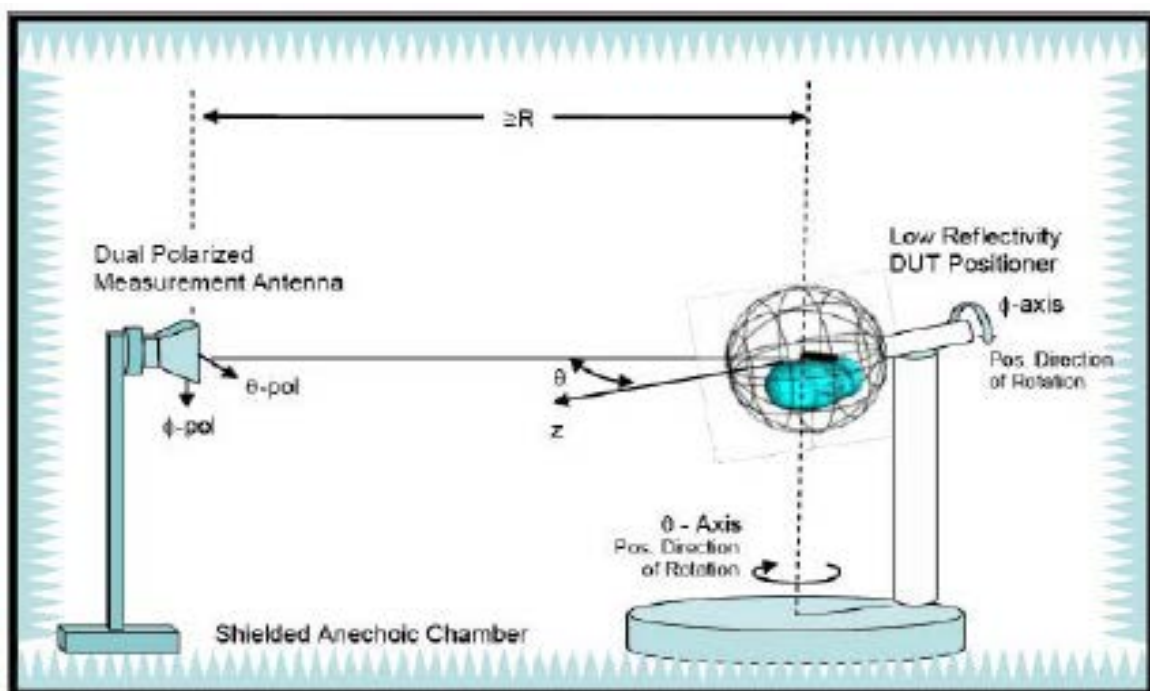
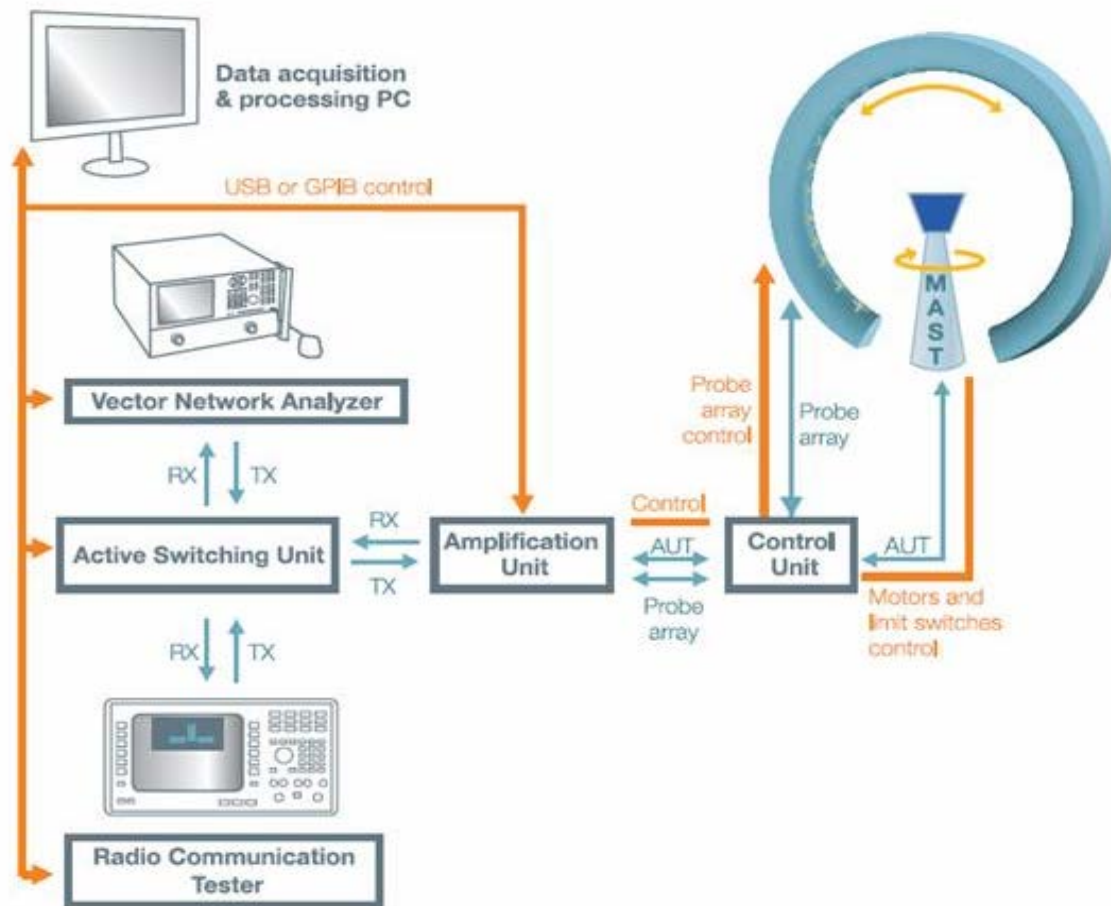
Agilent E5071C Network Analyzer



WiFi 回波损耗 Antenna (NO.1)

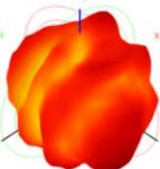
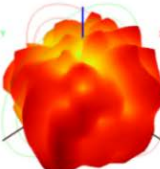
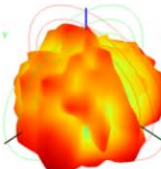


测试设备 Test Setup



测试效率

Test Efficiency

WiFi_AUX天线无源效率															
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)	1.01	0.42	0.48	1.26	1.70	1.92	1.57	1.83	1.96	1.61	1.80			
	Efficiency (%)	26.13	27.49	26.55	25.50	24.79	24.67	24.95	24.57	24.11	24.98	24.23			
WiFi_MAIN_5G	Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	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
	Gain (dBi)	0.97	1.19	0.48	1.50	1.91	1.25	1.21	1.28	1.96	1.47	0.54	0.61	0.87	0.47
	Efficiency (%)	25.81	25.50	27.25	27.66	27.89	23.20	23.38	22.90	25.94	24.93	23.07	23.73	25.57	24.11
WiFi_AUX_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)	0.54	0.62	0.49	0.66	0.74	0.80	0.77	0.59	0.63	0.46	0.44			
	Efficiency (%)	20.33	20.50	21.85	21.54	22.09	22.16	21.92	20.27	19.87	19.69	18.89			
															
2.4G				5G				6G							