



东莞市森岭智能科技有限公司

DONGGUAN CITY SLEing INTEL-TECH

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

2.4-2.5 GHz

WIFI Antenna L=75mm(Ø0.81+Tin)

单重:

weight

供 方 料 号 :

SUP PART NO

SLEingB230930075

日

期 :

DATE

2022.12.21



厂 商 核 准 :

SUP APPROVED

核准 APPROVED	审核 CHECKED	品保审核 QA CHECKED	承办 DESIGNED
<i>JongRei</i>	<i>Jerry</i>	<i>LSY</i>	<i>Jerry</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



东莞市森岭智能科技有限公司

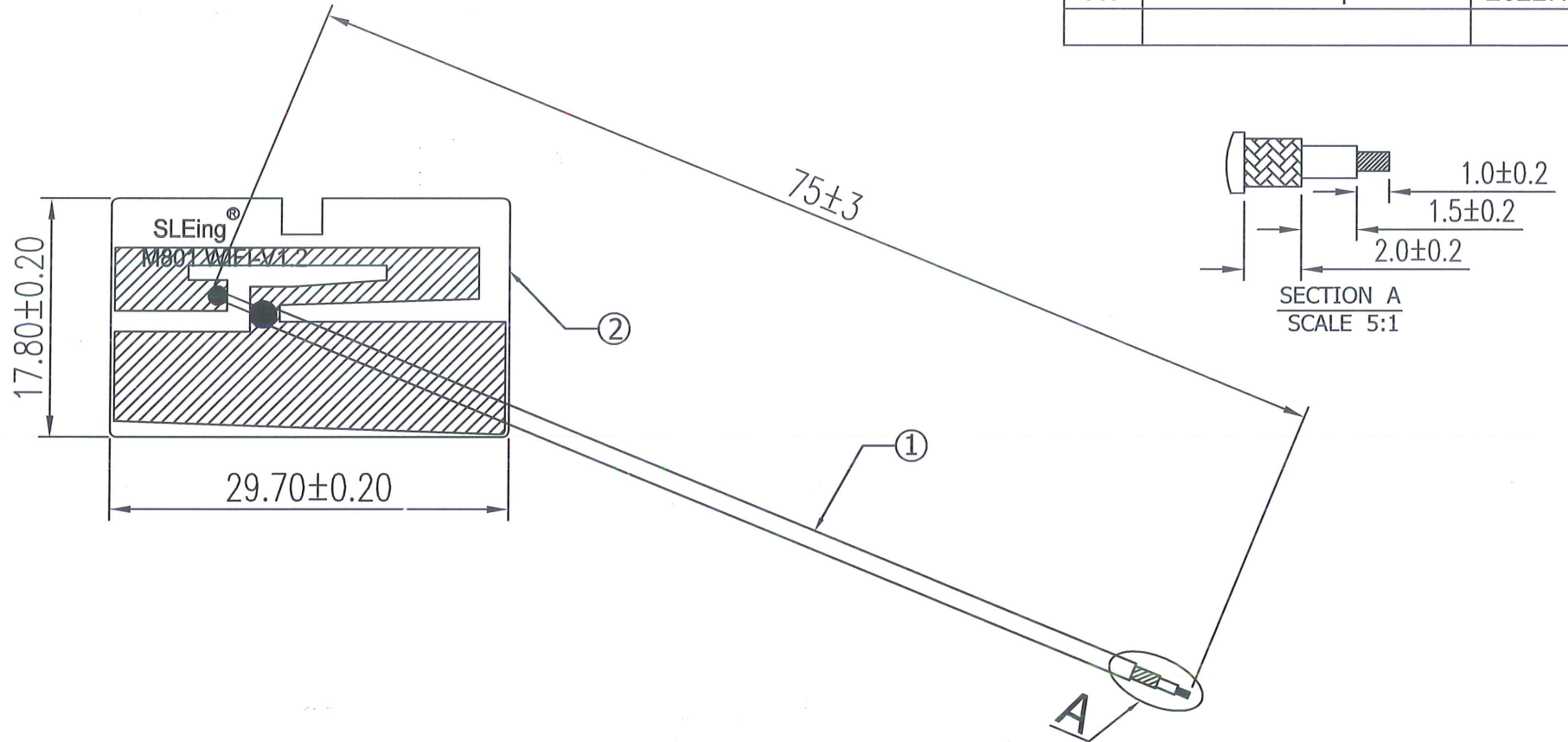
DONGGUAN CITY SLEing INTEL-TECH CO.,LTD

变更记录

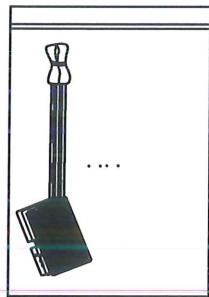
MODIFICATION RECORD SHEET

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	2022.12.21	初版发行	胡赵海	朱正锐

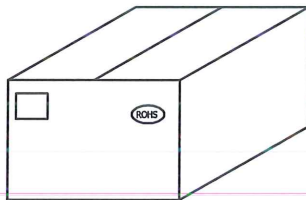
REV.	CONTENT	DATE
X1	First Sample	2022.12.21



Specification:
Frequency Rang:2.4~2.5GHz(带机测试)
Return Loss:-10dB or less
VSWR:1.92 Max



25pcs/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	
			PART NO	
			TITLE	
			WIFI ANTENNA	
TOLERANCE UNLESS OTHERWISE SPECIFIED			S.L P/NO	
			SLEingB230930075	
UNIT:mm	ANGLES ±0.5°	X. ±0.3	SIZE	DRAWN
SHEET: 1/1	0.XX ±0.05	XX. ±0.5	A4	Jerry
SCALE: 1/1		XXX. ±2.0		2022.12.21
			CHECKED	APPROVED
			Jerry	Jong Dei

NO	PART NAME	DESCRIPTION	REMARK	Q'TY
2	Cable	Φ0.81mm Coaxial Cable Black,50Ω		1
1	FPCB	FPC,L29.7*W17.8*T0.1mm,Color:Black	300LSE Adhesive	1



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DONGGUAN CITY SLEing INTEL-TECH

电性测试报告

Test Reports

Electrical Properties	
Frequency	2.4-2.5GHz(带机测试)
Impedance	50 Ohm Nominal
V.S.W.R	≤ 1.92
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	5.84 dBi
Polarization	Linear, Vertical
Admitted Power	2 W
Connector	MHF
Physical Properties	
Antenna Material	FPCB
Cable Type	$\Phi 0.81\text{mm}$ Black
Operating Temp	-20°C-75°C
Storage Temp.	-20°C-75°C

天线组装图

Antenna Profile

Device



Antenna

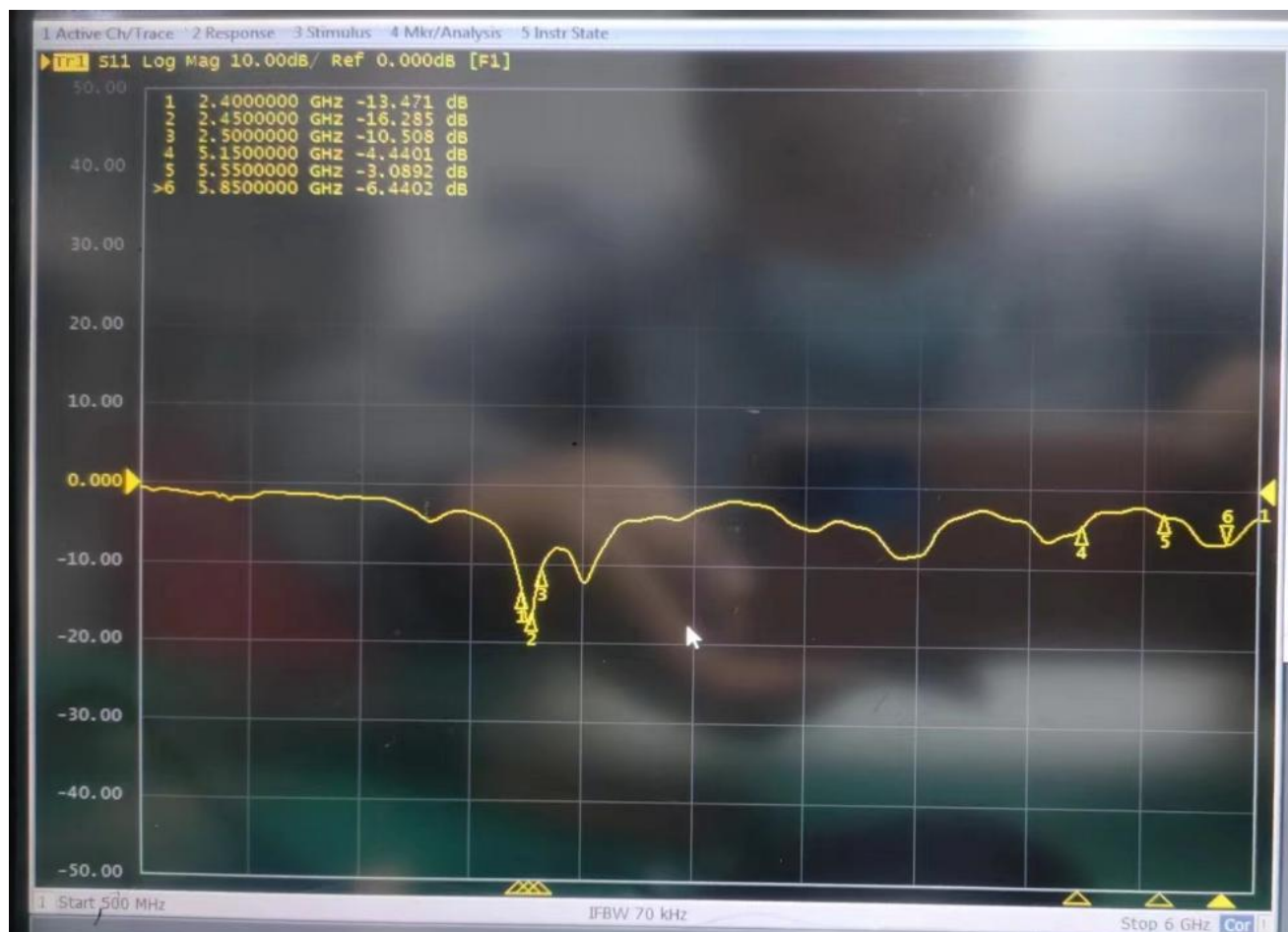
S参数测试

S Parameter Test

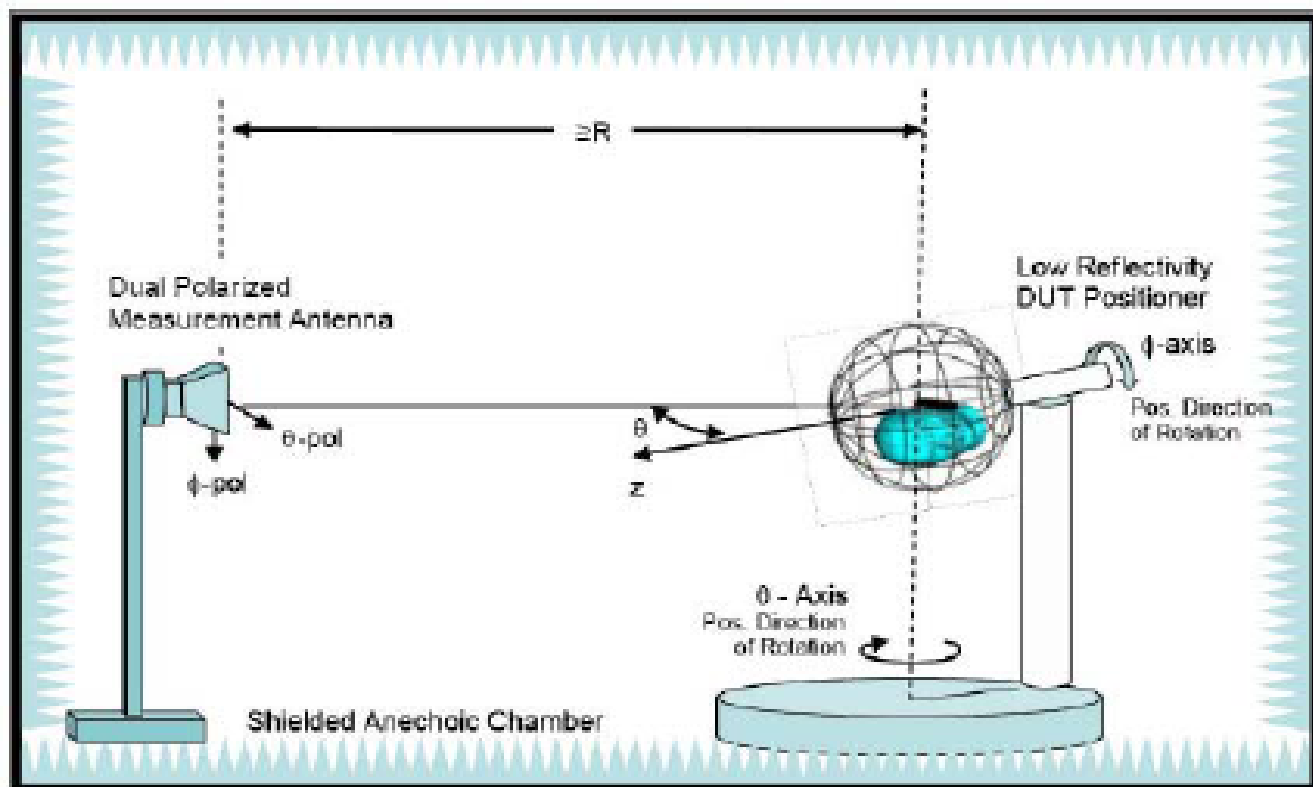
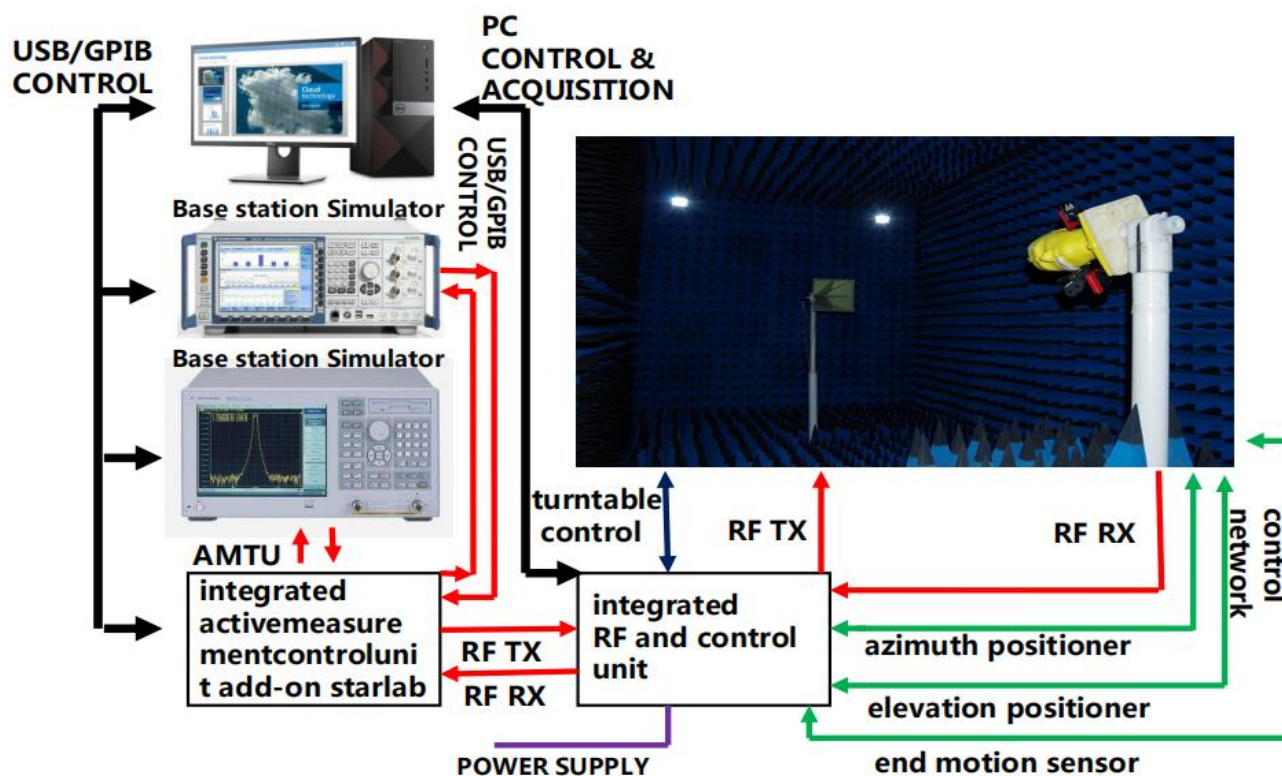
Agilent E5071C Network Analyzer



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)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	4.30	4.49	4.76	5.04	5.47	5.80	5.84	5.74	5.69	5.50	5.45
Efficiency (%)	46.45	47.36	48.94	49.20	50.82	52.92	53.65	53.10	54.07	52.41	52.34

方向图 Pattern

