

承 认 书

SPECIFICATION APPROVAL SHEET

客 户 :

CUSTOMER

客 户 料 号 :

CUS PART NO

版次:

REV

X6

品 名 / 规格 :

2.4~2.5/5.15~5.85GHz

单重:

SPECIFICATION WIFI MAIN Antenna L=70mm(Ø1.13+MHF)

weight

供 方 料 号 :

SUP PART NO

SLEingB242540070

日 期 :

DATE

2023.11.30

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>Jacques</i>	H2U	TOM	2023.11.30	<i>Xiang</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

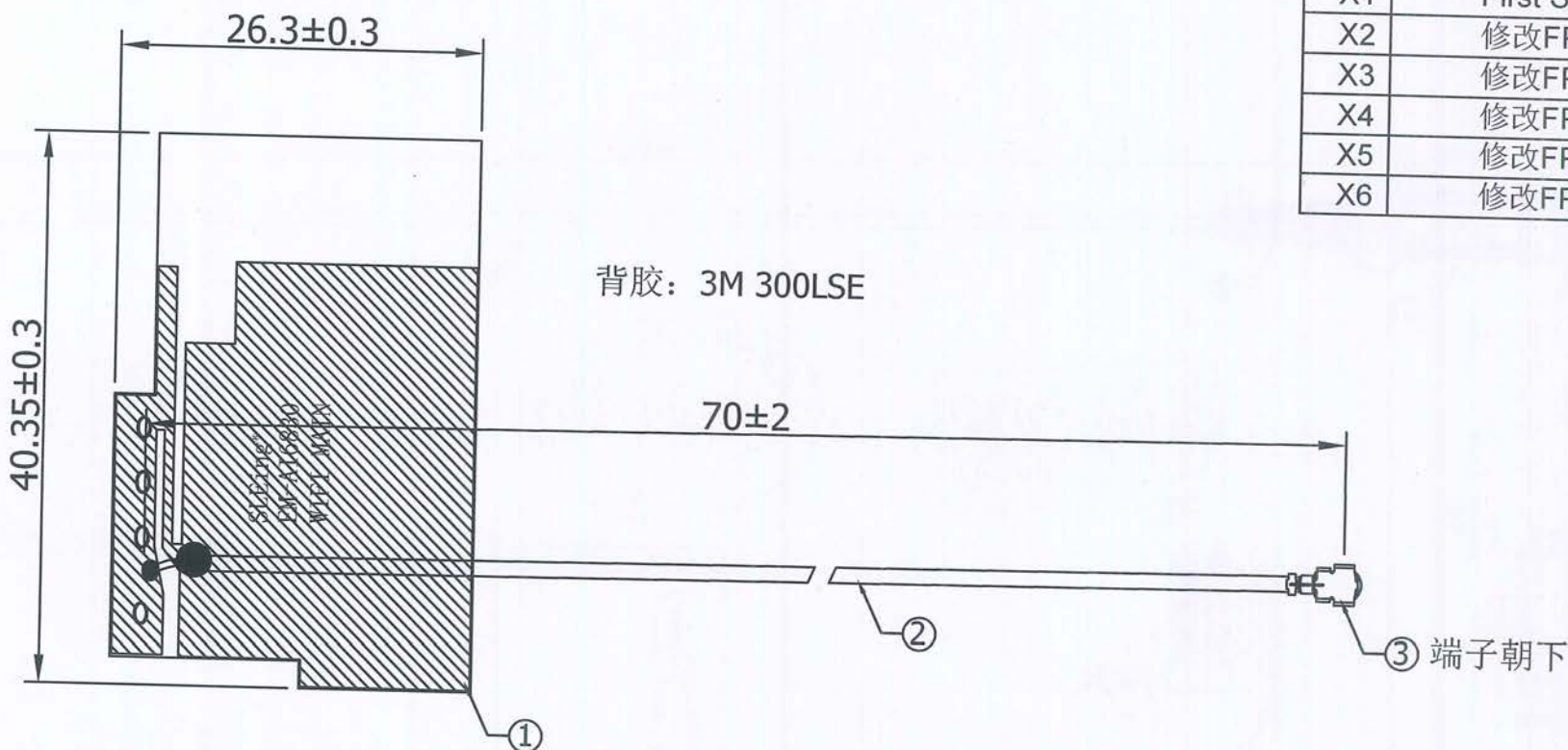
Tel: +86-076989208968

Fax: +86-0769-89208969

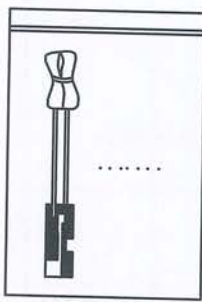
www.sleing.com

正本由承办单位保存

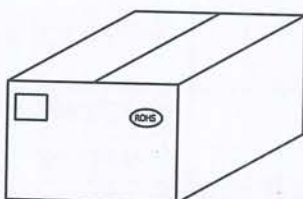
REV.	CONTENT	DATE
X1	First Sample	2023.08.24
X2	修改FPC	2023.09.11
X3	修改FPC	2023.10.09
X4	修改FPC	2023.10.17
X5	修改FPC	2023.11.09
X6	修改FPC	2023.11.30



Specification:
Frequency Rang:2.4~2.5/5.15~5.85GHz(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

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	
			S.L P/NO	
			SIZE	
			DRAWED	
			CHECKED	
			APPROVED	

NO	PART NAME	DESCRIPTION	REMARK	Q'TY
3	Connector	MHF Plug for Φ1.13 Cable	第一代端子	1
2	Cable	Φ1.13mm Coaxial Cable Black,50Ω		1
1	FPCB	FPC,L40.35*W26.3*T0.3mm,Color:Black	300LSE Adhesive	1

2023.11.30
H34
Japm



东莞市森岭智能科技有限公司

DONGGUAN SLEing INTEL-TECH CO.,LTD

Electrical Properties	
Frequency	2.4~2.5/5.15~5.85GHz(带机测试)
Impedance	50 Ohm Nominal
V.S.W.R	≤ 1.92
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	1.36 dBi
Polarization	Linear, Vertical
Admitted Power	2 W
Connector	MHF
Physical Properties	
Antenna Material	FPCB
Cable Type	$\Phi 1.13\text{mm}$ Black
Operating Temp.	-40~+85 °C
Storage Temp.	-5~+30 °C
Model Number	X6-MAIN

Manufacturer: DONGGUAN CITY SLEing INTEL-TECH CO.,LTD.

Address: Room 402, No.6 Plant, Accelerator of Modern Enterprise,
No,24 Industry East Road Songshanlake District, Donguan City,
Guangdong, China

S Parameter Test

Agilent E5071C Network Analyzer



WiFi 驻波 Antenna (NO.1)

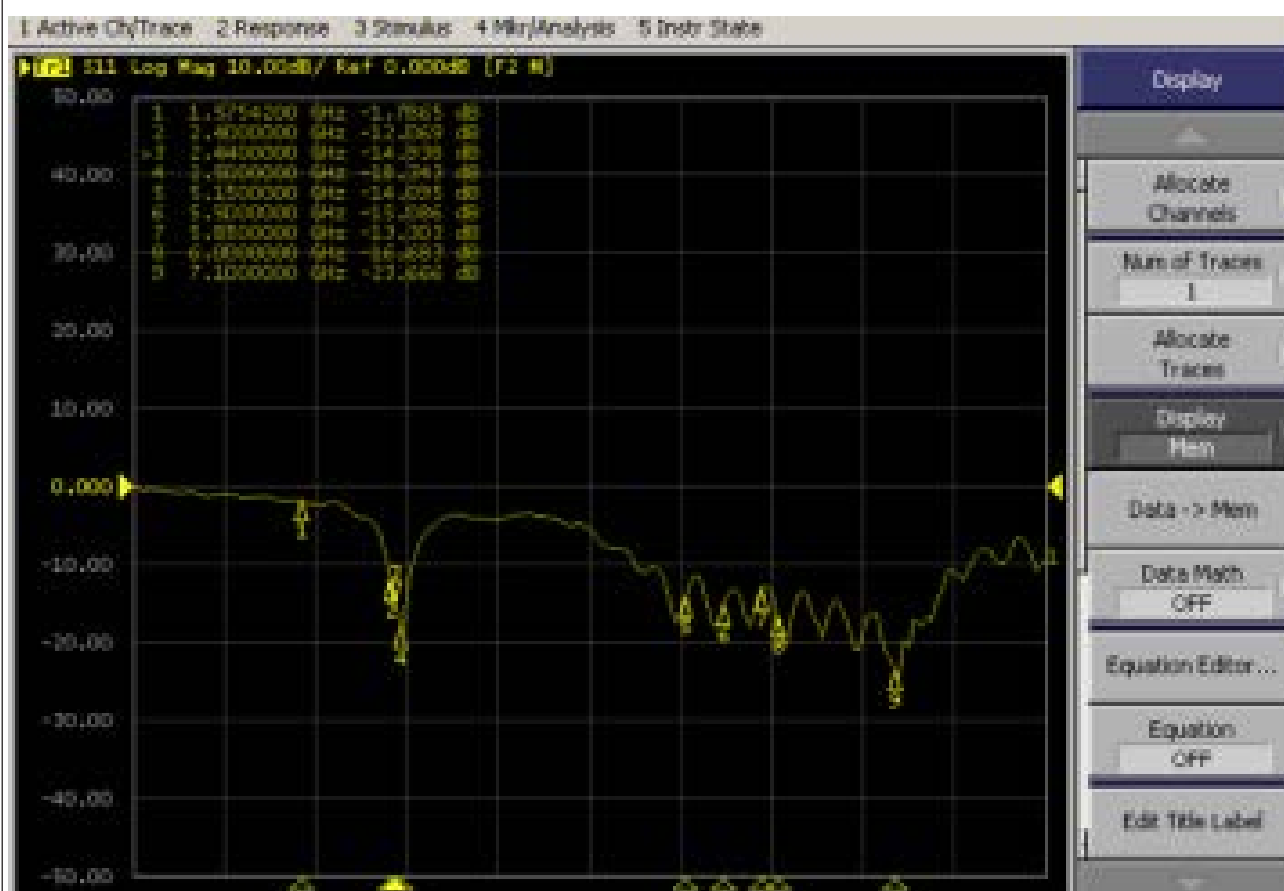


S Parameter Test

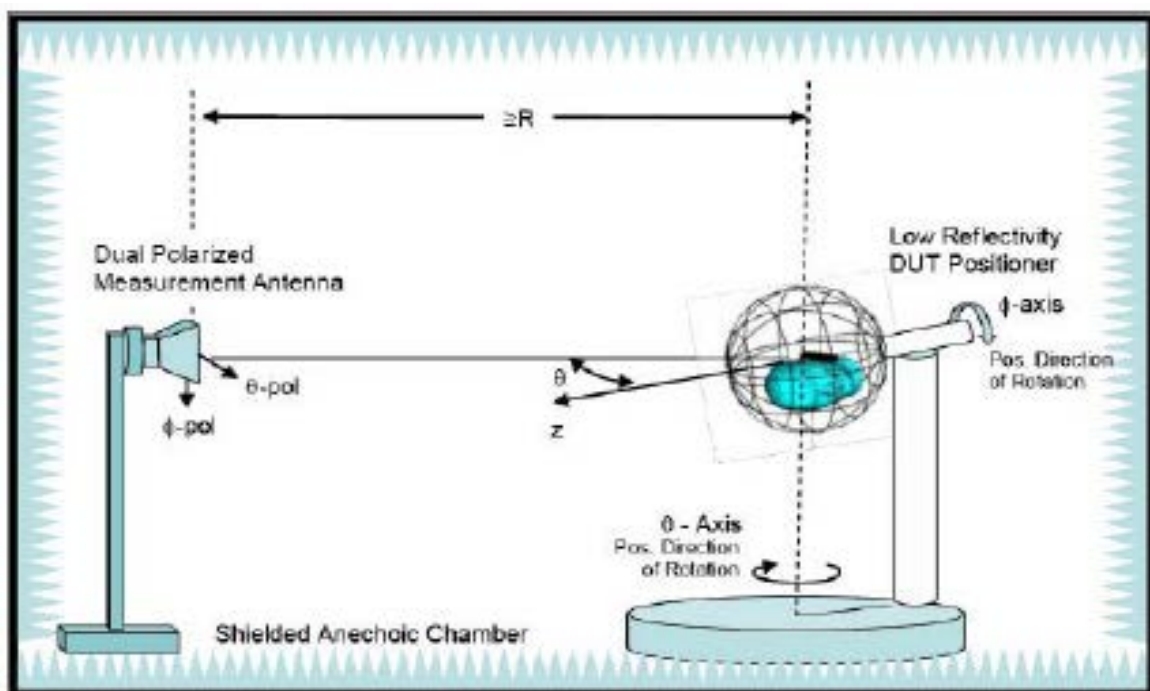
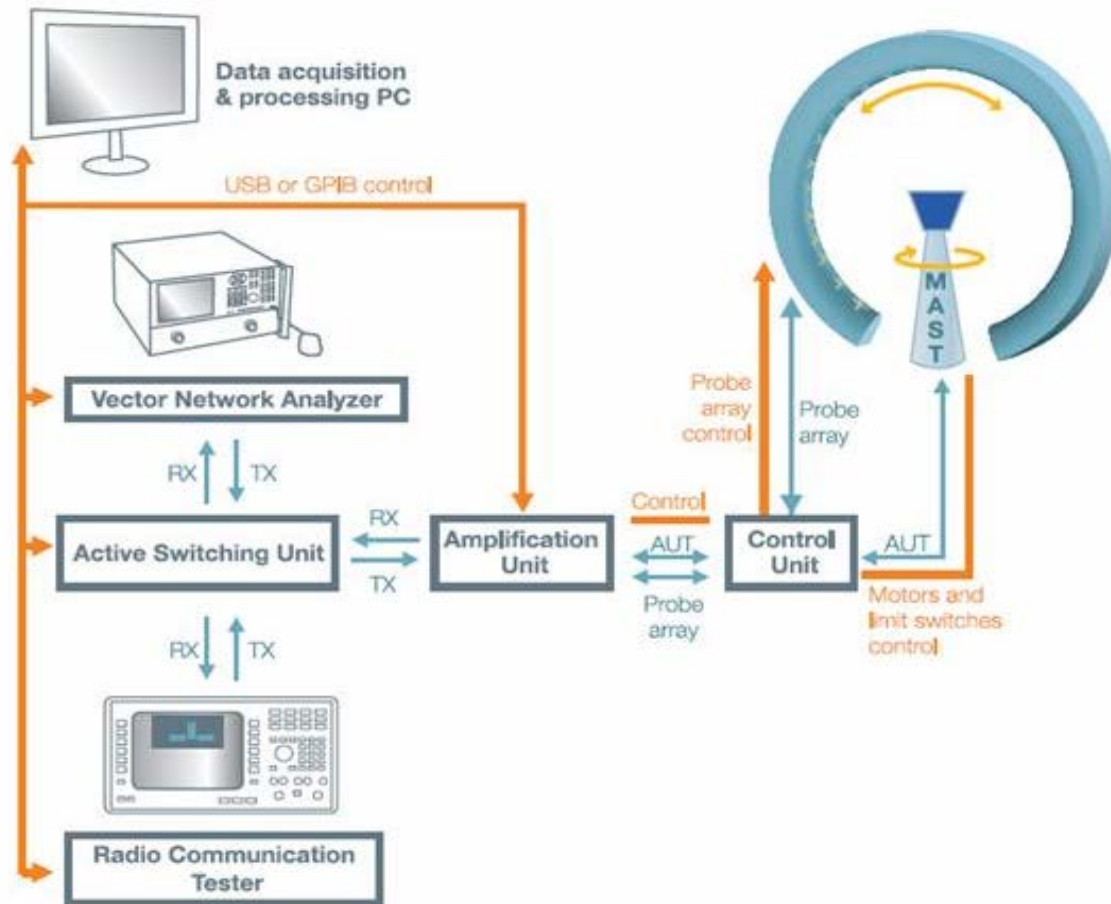
Agilent E5071C Network Analyzer



WiFi 回波损耗 Antenna (NO.1)

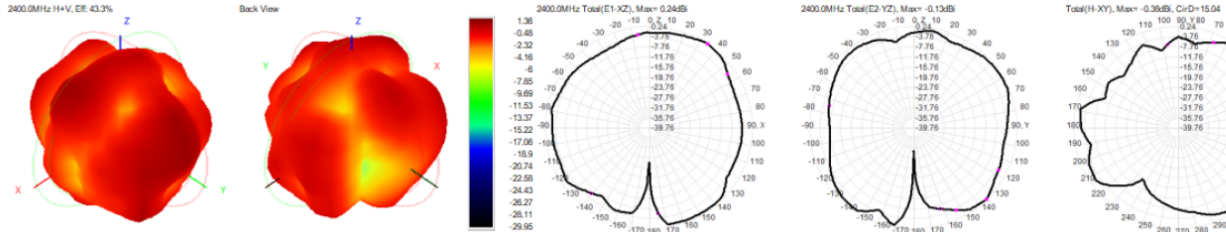


Test Setup

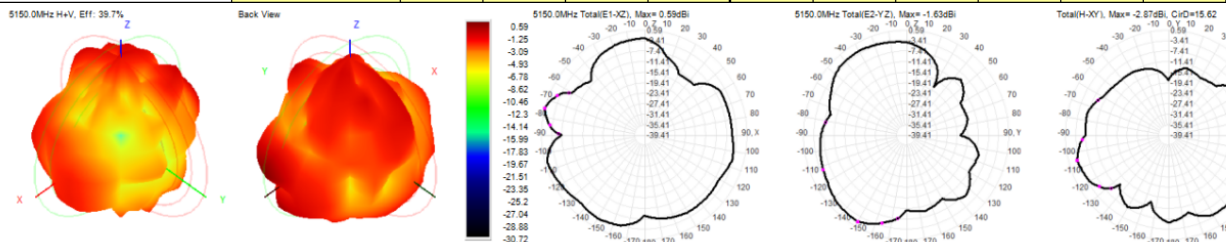


Test Efficiency

项目名称 WIFI-MIAN 天线无源效率测试报告										
2.4G Wifi	Frequency ID	1	2	3	4	5	6	7	8	9
	Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0
	Gain (dBi)	1.36	1.31	1.33	1.10	0.95	1.33	1.16	1.29	1.11
	Efficiency (%)	43.3	44.4	45.5	46.1	46.3	47.4	48.8	49.7	49.4



5G Wifi	Frequency ID	1	2	3	4	5	6	7	8	9	10	11
	Frequency (MHz)	5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0
	Gain (dBi)	0.59	0.89	1.10	1.19	0.80	0.73	0.87	0.34	0.11	0.09	0.04
	Efficiency (%)	39.7	40.9	41.9	41.6	41.9	40.1	40.0	38.4	41.8	40.2	41.0
	Frequency ID	12	13	14	15	16	17	18	19	20	21	22
	Frequency (MHz)	5700.0	5750.0	5800.0	5850.0							
	Gain (dBi)	0.24	0.08	-0.05	-0.06							
	Efficiency (%)	40.89	39.17	39.20	38.26							





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OTA

WIFI-MAIN 2.4G	11b 11Mbps	13.2	-83.3
		13.2	-83.6
		13.3	-83.5
		13.2	-83.5
WIFI-MAIN 5G	11a 6Mbps	13.4	-91.0
		14.3	-90.8
		13.5	-90.7
		13.7	-90.8

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