



东莞市森岭智能科技有限公司

DONGGUAN SLEing INTEL-TECH CO., LTD

承 认 书

SPECIFICATION APPROVAL SHEET

客 户 :

CUSTOMER

客 户 料 号 :

CUS PART NO

版次:

REV

X3

品 名 / 规格 :

SPECIFICATION

2.4-2.5/5.15-5.85MHz

BT Antenna L=185mm(Ø1.13+MHF)

单重:

weight

供 方 料 号 :

SUP PART NO

SLEingB248210165

日 期 :

DATE

2024.11.05

厂 商 核 准 :

SUP APPROVED

核准 APPROVED	结构审核 Structure audit	RE 审核 RE CHECKED	品保审核 QA CHECKED	承办 DESIGNED
13/11/24	郑世田	13/11/24	郑世田	郑世田

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, Donguan City, Guangdong Province, China.

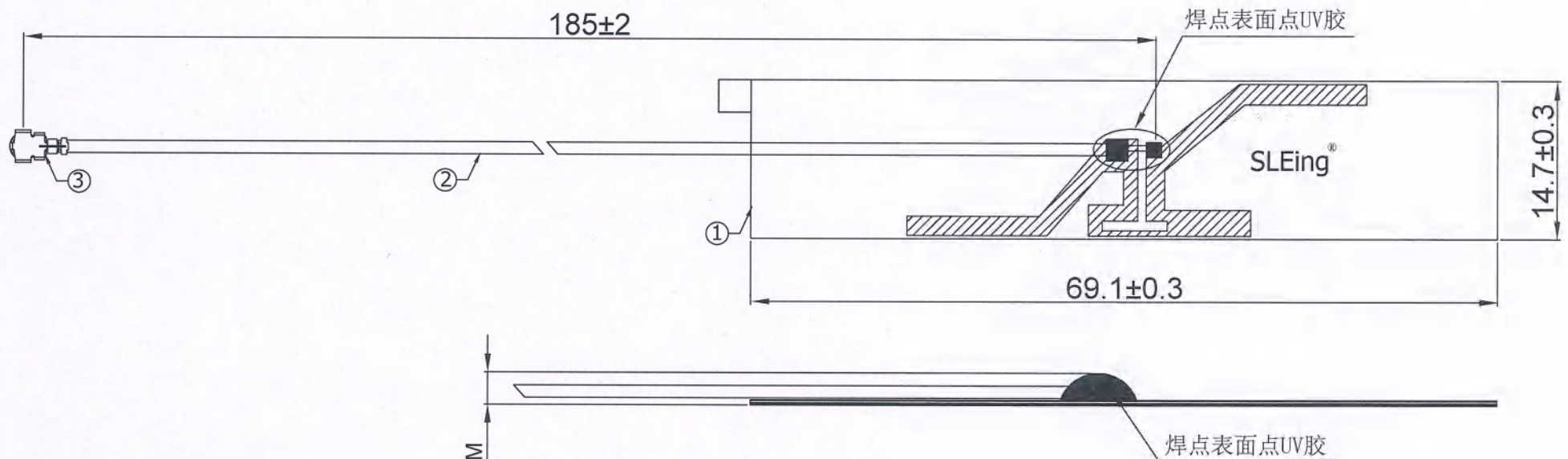
Tel: +86-076989208968

Fax: +86-0769-89208969

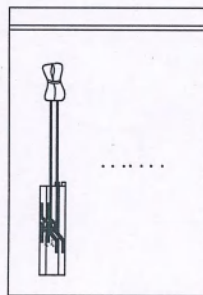
www.sleing.com

正本由承办单位保存

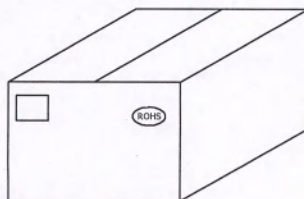
REV.	CONTENT	DATE
X1	First Sample	2024.08.22
X2	FPC外形变更, Cable线长度变更	2024.09.24
X3	FPC线路变更	2024.11.05



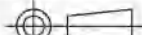
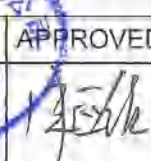
Specification:
Frequency Rang:2.4~2.5GHz(带机测试)
Return Loss:-10dB or less
VSWR:1.92 Max



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		BT ANTENNA	
			S.L P/NO		SLEingB248210165	
	TOLERANCE UNLESS OTHERWISE SPECIFIED		SIZE	DRAWN	CHECKED	APPROVED
UNIT:mm	ANGLES ±0.5°	X. ±0.3	A4			
SHEET: 1/1	0.XX ±0.05	XX. ±0.5				
SCALE: 1/1		XXX. ±2.0				

NO	PART NAME	DESCRIPTION	REMARK	Q'TY
3	Connector	MHF Plug for $\Phi 1.13$ Cable	第一代端子	1
2	Cable	$\Phi 1.13$ mm Coaxial Cable Dark Grey,50 Ω		1
1	FPC	FPC,L69.1*W14.7*T0.4mm,Color:Black	300LSE Adhesive	1

Test Reports

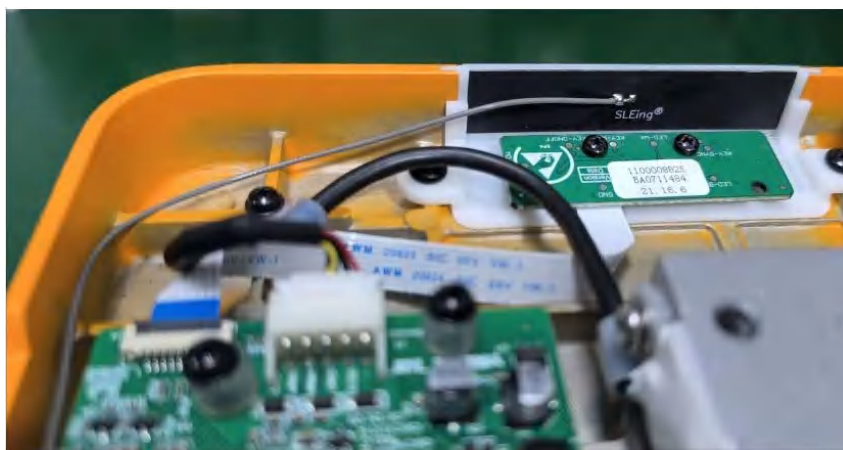
Electrical Properties	
Frequency	2.4~2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	≤ 1.92
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	1.9 dBi
Polarization	Linear, Vertical
Admitted Power	2 W
Connector	MHF
Physical Properties	
Antenna Material	FPCB
Cable Type	$\Phi 1.13\text{mm}$ Dark Grey
Operating Temp.	-40~+85 °C
Storage Temp.	-5~+30 °C

Antenna Profile

Device



Antenna

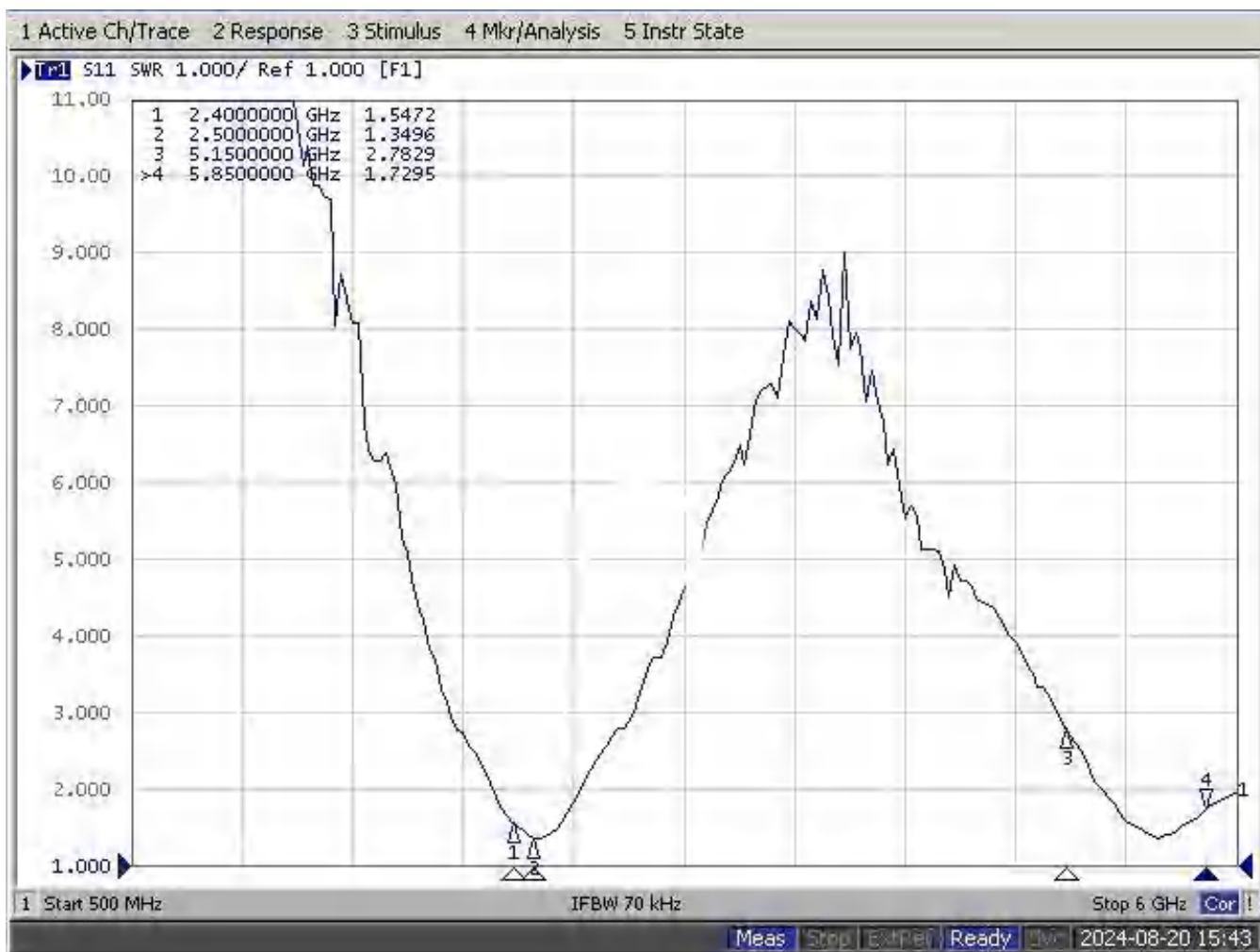


S Parameter Test

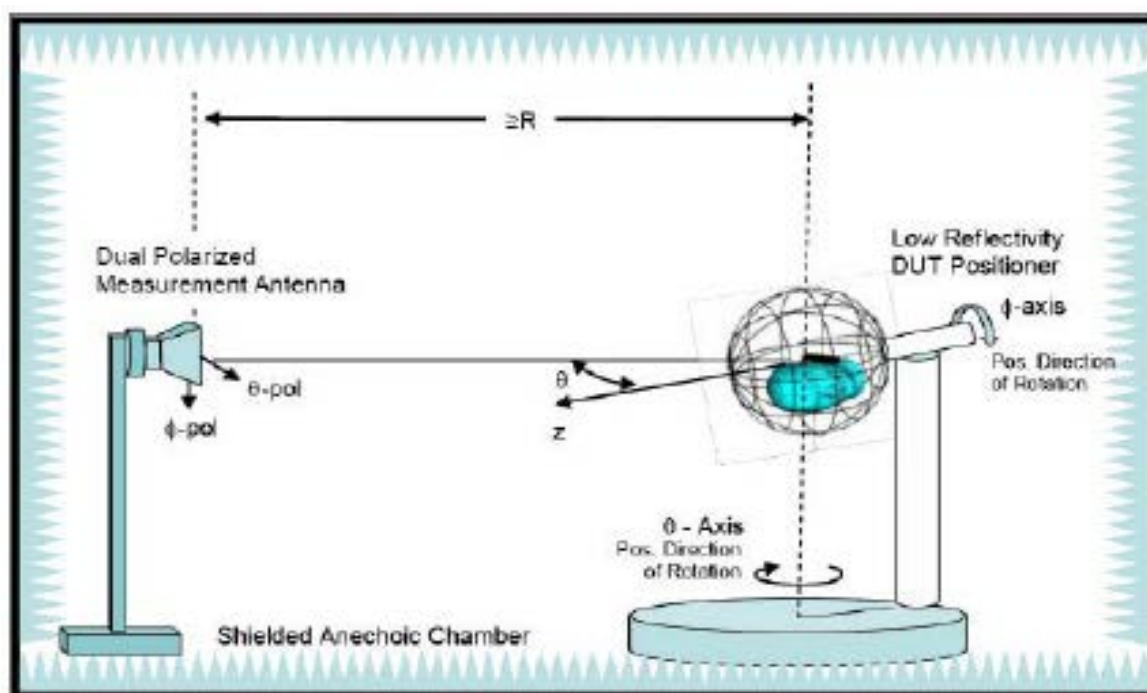
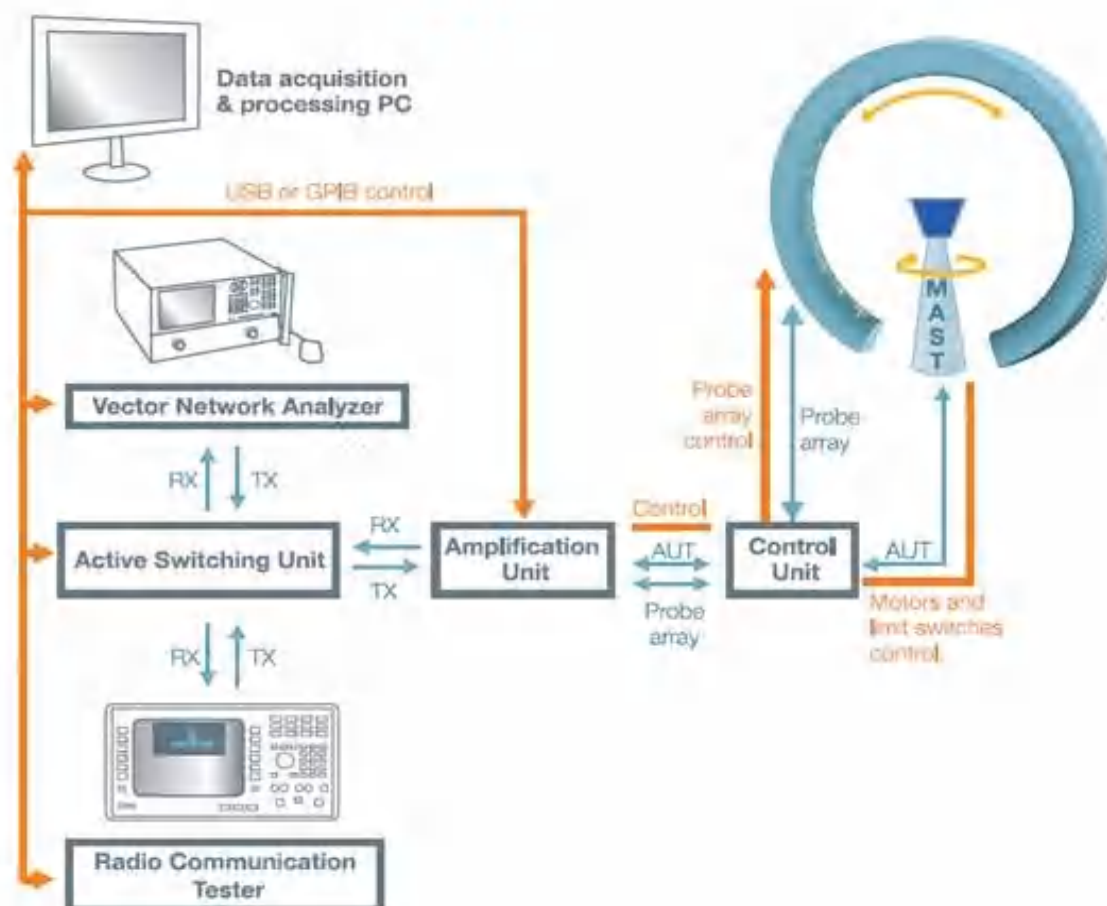
Agilent E5071C Network Analyzer



BT Antenna (NO.1)

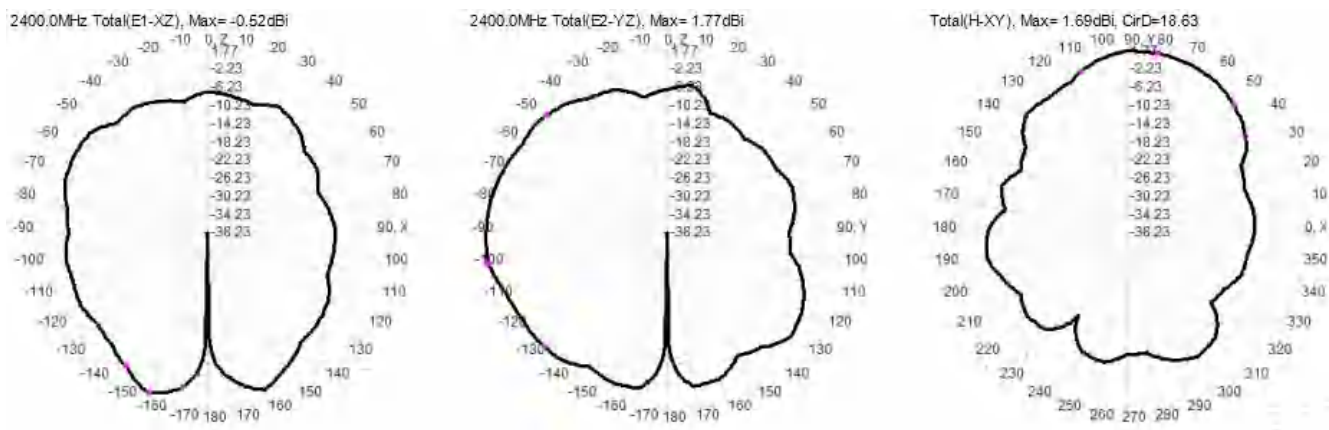


Test Setup



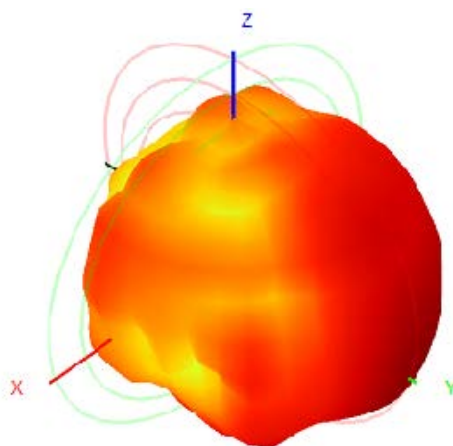
Patten

1.3 2D Radiation patterns test results (Passive Antenna)



1.5 3D Radiation patterns test results (Passive Antenna)

3D





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
Gain (dBi)	1.79	1.87	1.90	1.57	1.47	1.13	0.81	0.32	-0.30	0.14	-0.34
Efficiency (%)	32.16	32.11	31.37	30.29	32.52	34.44	33.66	32.74	34.90	34.16	32.09


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