

SPECIFICATION APPROVAL SHEET

CUSTOMER :

CUS PART NO :

REV X1

SPECIFICATIO :

2.4~2.5/5.15~5.85GHz

WIFI Antenna L=80mm(Ø1.13+MHF)

weight

SUP PART NO :

SLEingB218890080

Date :

2019.10.23

SUP APPROVED :

APPROVED	CHECKED	QA CHECKED	承办 DESIGNED
<i>for 12.1</i>	<i>JBX</i>	<i>ZQ</i>	<i>X:only</i>



CUS APPROVED

APPROVED	CHECKED	QA CHECKED	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 Province, China.

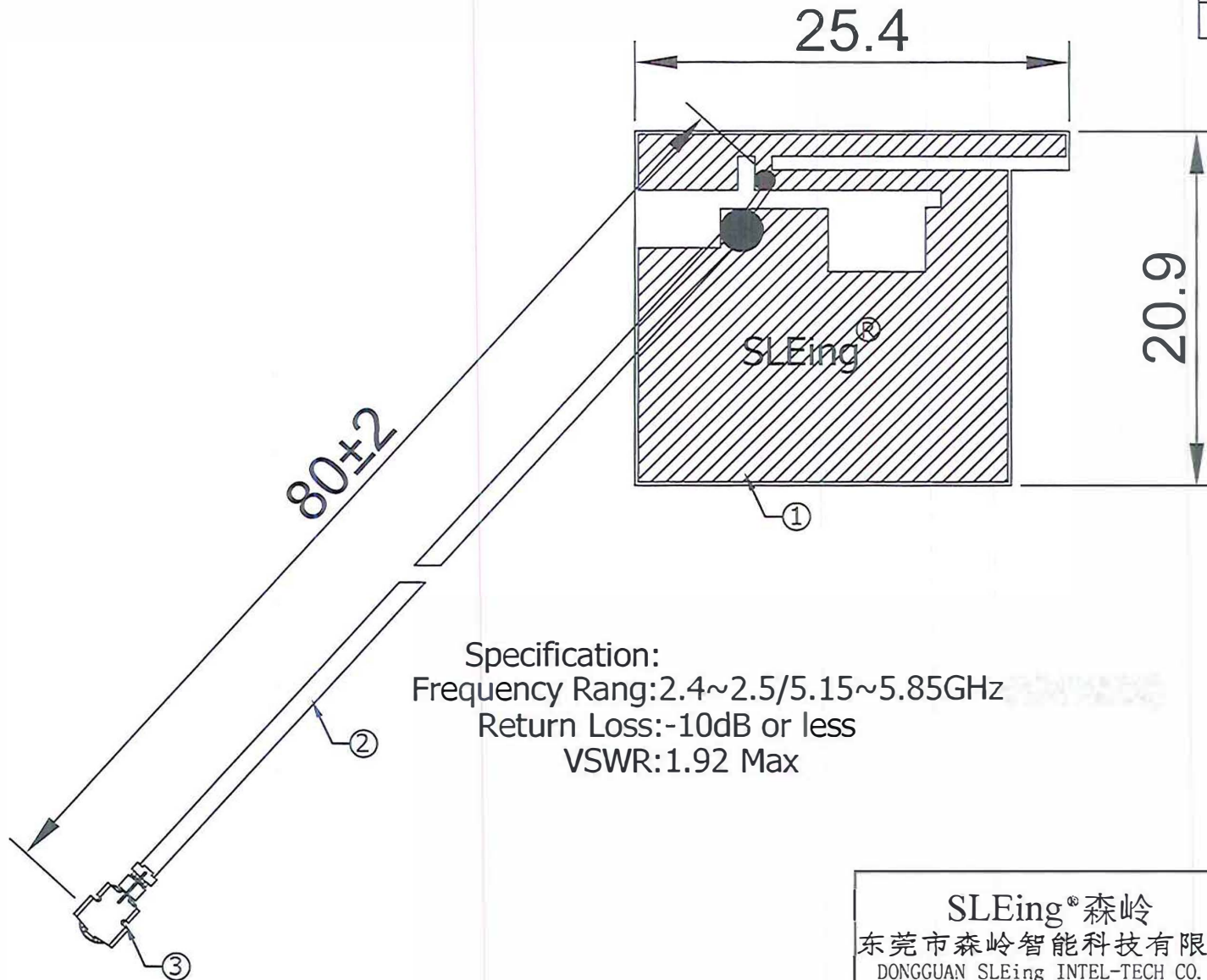
Tel: +86-0769-89208968

Fax: +86-0769-89208969

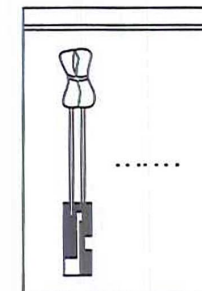
www.sleing.com

正本由承办单位保存

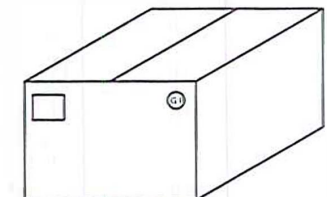
REV.	CONTENT	DATE
X1	First Sample	2019.10.23



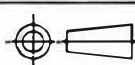
Specification:
Frequency Rang:2.4~2.5/5.15~5.85GHz
Return Loss:-10dB or less
VSWR:1.92 Max



25pcs/Bundle
Packing:50pcs/bag



外箱须贴GP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	
 TOLERANCE UNLESS OTHERWISE SPECIFIED				TITLE	
				WIFI ANTENNA	
UNIT:mm ANGLES ±0.5° X. ±0.3 SHEET: 1/1 .XX ±0.05 XX. ±0.5 SCALE: 1/1 XXX. ±2.0				S.L P/NO	
				SLEingB218890080	
NO PART NAME DESCRIPTION REMARK Q'TY				SIZE	DRAWN
				A4	CHECKED
3 Connector MHF Plug for Φ1.13 Cable 第四代端子 1 2 Cable Φ1.13mm Coaxial Cable Dark Grey,50Ω 1 1 FPCB FPC,L25.4*W20.9*T0.1mm,Color:Black 300LSE Adhesive 1				APPROVED	
					

Test Reports

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)	3.97 dBi (Max.)
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.	-40~+85 °C

Antenna Profile

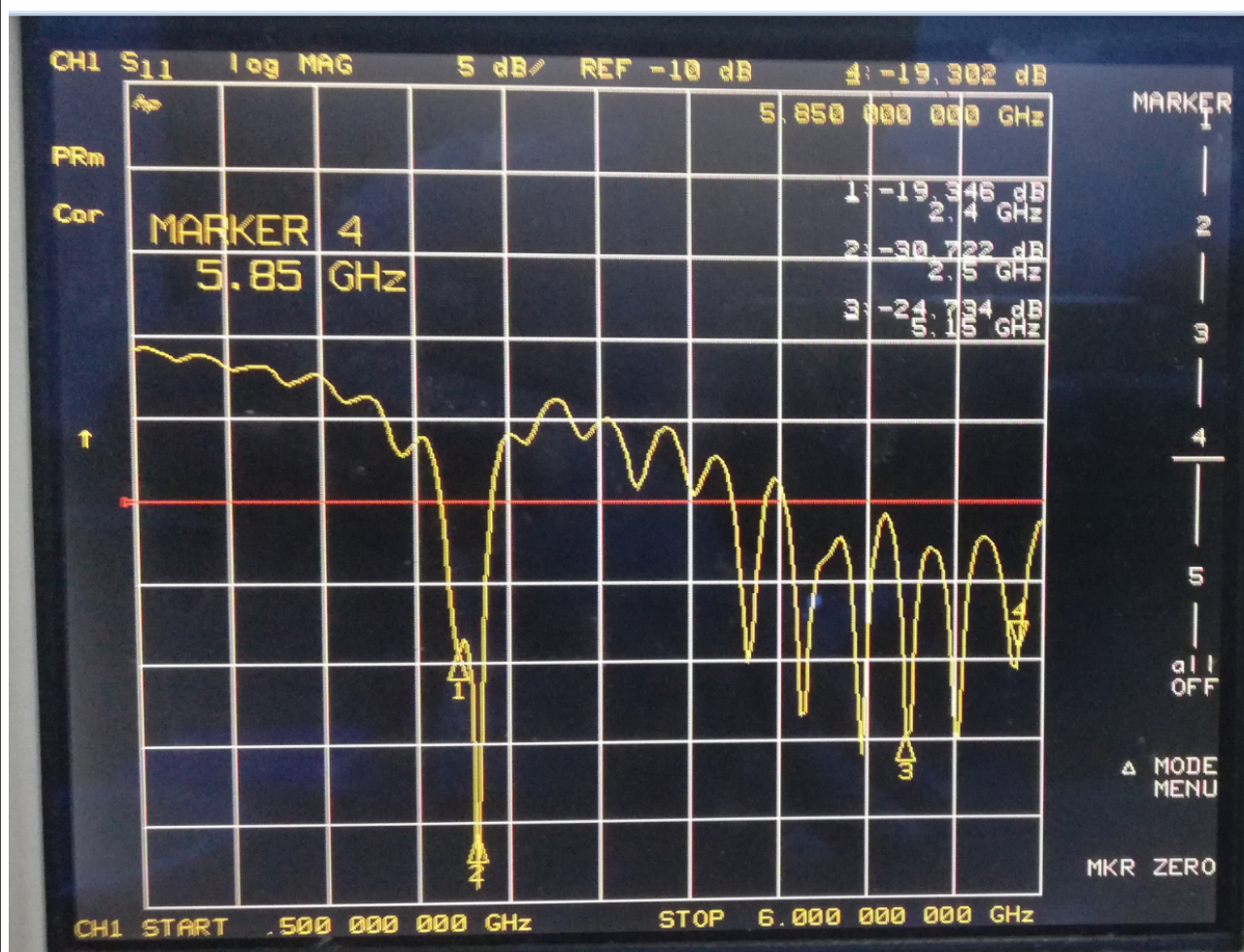
<i>Device</i>	
<i>Antenna</i>	

S Parameter Test

Agilent E5071C Network Analyzer

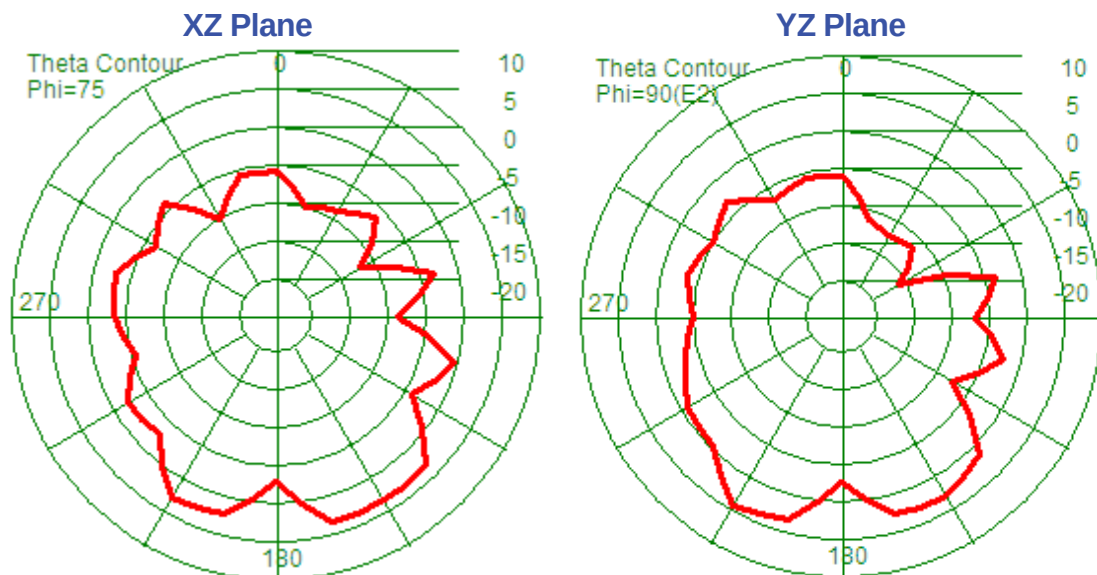


WiFi Antenna (NO.1)



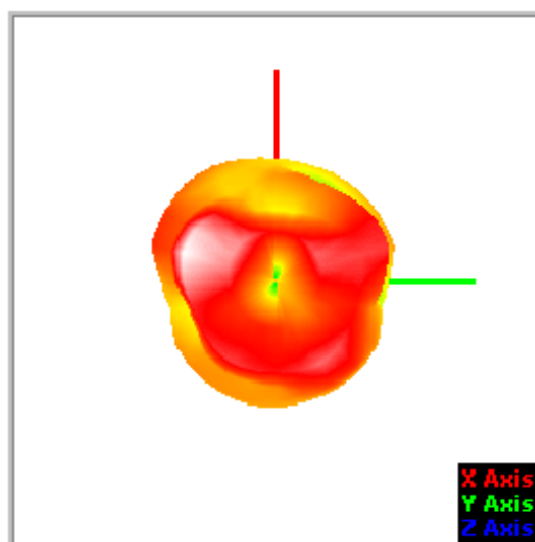
(2.4G) Patten

1.3 2D Radiation patterns test results (Passive Antenna)



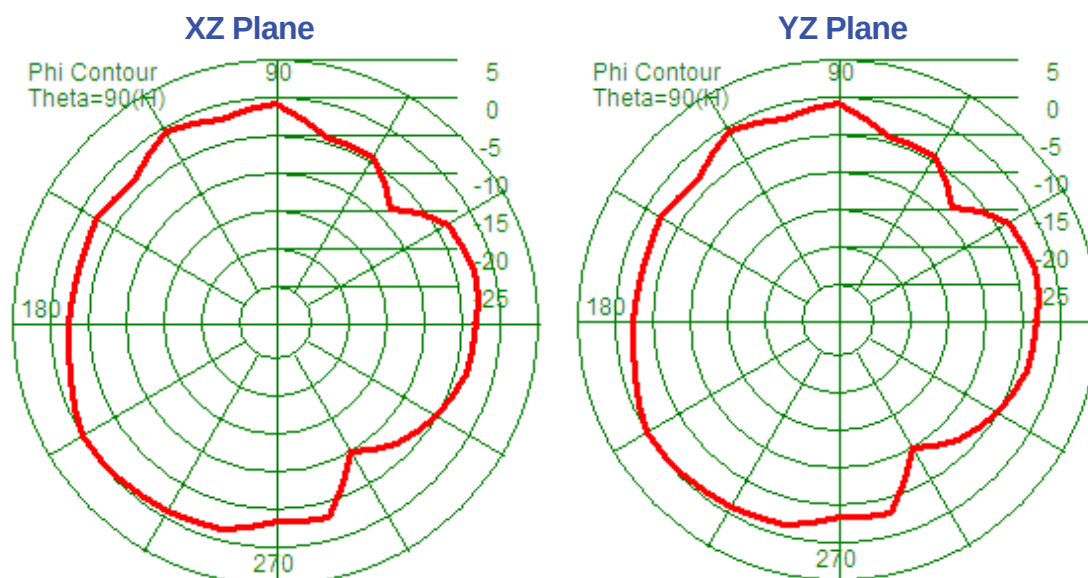
1.5 3D Radiation patterns test results (Passive Antenna)

3D



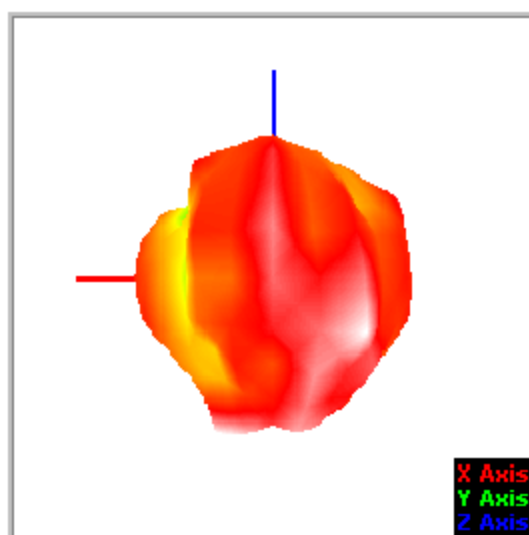
(5.8G) Patten

1.3 2D Radiation patterns test results (Passive Antenna)



1.5 3D Radiation patterns test results (Passive Antenna)

3D



Test Efficiency

Test Point ID	Freq. (MHz)	Gain (dBi)	Efficiency (%)
1	2400.0	3.05	68.4%
2	2410.0	3.97	68.7%
3	2420.0	3.75	64.1%
4	2430.0	3.30	72.5%
5	2440.0	3.79	66.8%
6	2450.0	3.58	73.4%
7	2460.0	3.70	65.8%
8	2470.0	3.23	71.7%
9	2480.0	3.83	75.7%
10	2490.0	3.08	65.2%
11	2500.0	3.16	66.3%

Test Point ID	Freq. (MHz)	Gain (dBi)	Efficiency (%)
1	5150.0	0.88	50.5%
2	5250.0	1.28	53.9%
3	5350.0	1.77	58.5%
4	5450.0	1.30	58.2%
5	5550.0	1.86	56.1%
6	5650.0	1.70	56.2%
7	5750.0	1.27	56.2%
8	5850.0	1.32	54.3%