

**SPECIFICATION APPROVAL SHEET**

客 户 :  
CUSTOMER \_\_\_\_\_

CUS PART NO \_\_\_\_\_ REV \_\_\_\_\_ X1

SPECIFICATION \_\_\_\_\_ RF Antenna (White)  
2.4~2.5GHz 2dBi(SMA) weight \_\_\_\_\_

SUP PART NO \_\_\_\_\_ SLEingA100020108-C26

DATE \_\_\_\_\_ 2023.05.13

SUP APPROVED

APPROVED	CHECKED	QA CHECKED	DESIGNED
<i>Jiang</i>	<i>H21</i>	<i>LSY</i>	<i>Xi</i>

CUS APPROVED

APPROVED	CHECKED	QA CHECKED	DESIGNED

**DONGGUAN SLEing INTEL-TECH CO., LTD**

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](http://www.sleing.com)





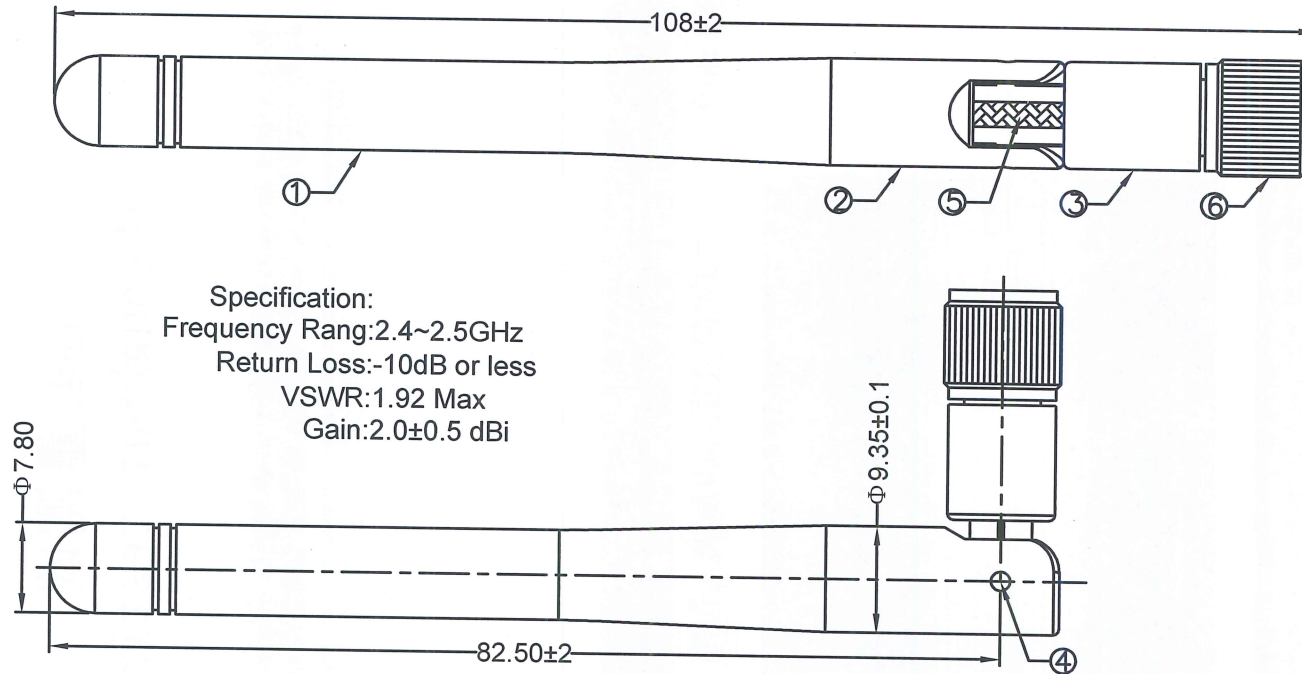
### Spec Item

(NO.)	Project)	Remark	Page
1	Spec Cover		1
2	MODIFICATION RECORD SHEET		2
3	Spec Item		3
4	Drawing		4
5	Test Reports		5
6	S Parameter Test		6
7	Test Setup		7
8	Test Efficiency		8
9	Patten		9
10	Product packaging specification		10

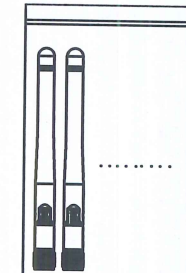
Give clear indication of:

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.

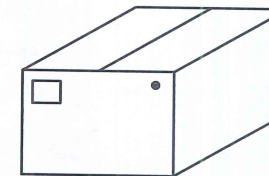
REV.	CONTENT	DATE
X1	Frist Sample	2023.05.13



Specification:  
 Frequency Rang:2.4~2.5GHz  
 Return Loss:-10dB or less  
 VSWR:1.92 Max  
 Gain:2.0±0.5 dBi



Packing:50pcs/bag



外箱须贴GP标签与物料标签各1PCS

NO	PART NAME	DESCRIPTION	REMARK	Q'TY
6	Connector	SMA Straight Plug/Reverse for RG-178 Cable		1
5	Cable	RG-178,Transparency Brown,50Ω		1
4	Rivet	POM,Color:White		2
3	Bottom Base	PBT,Color:White		1
2	Upper Base	PC,Color:White		1
1	Antenna Cap	TPE,Color:White		1

<b>SLEing®</b> DONGGUAN SLEing INTEL-TECH CO., LTD			CUSTOMER				
			PART NO				
TOLERANCE UNLESS OTHERWISE SPECIFIED			TITLE		RF ANTENNA		
			S.H P/NO		SLEingA100020108-C26		
UNIT:mm	ANGLES ±0.5°	X.	±0.3	SIZE	DRAWN	CHECKED	APPROVED
SHEET: 1/1	.XX ±0.05	XX.	±0.5	A4	<i>Xiaoyang</i>	<i>H24</i>	<i>Joungm</i>
SCALE: 1/1		XXX.	±2.0				



## Test Reports

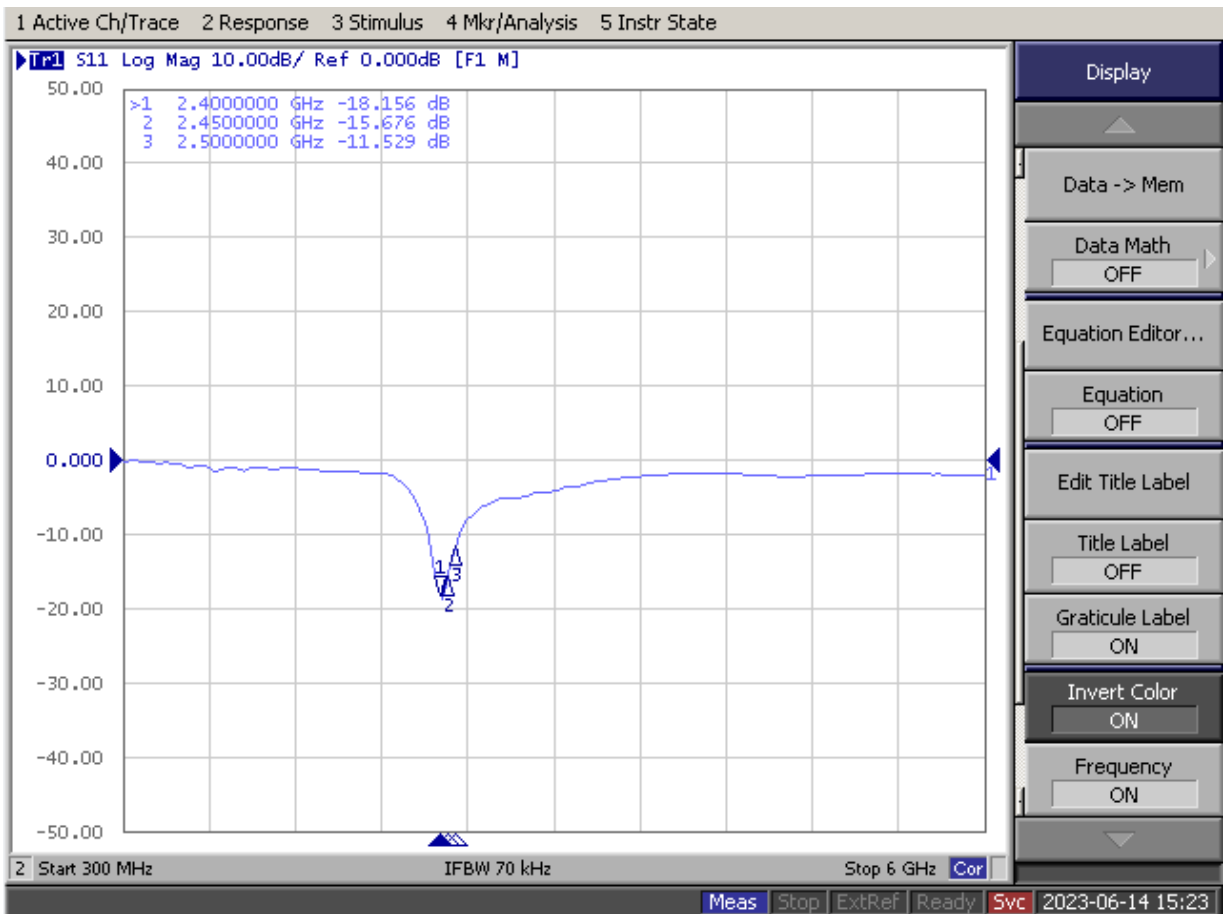
<b>Electrical Properties</b>	
Frequency	2.4~2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	$\leq 1.92$
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	2.46 dBi
Polarization	Linear, Vertical
Admitted Power	2 W
Connector	SMA
<b>Physical Properties</b>	
Antenna Material	TPE/PC/POM
Antenna Color .	White
Cable Type	RG-178
Operating Temp	-25~+75 °C
Storage Temp	-25~+75 °C

# S Parameter Test

Agilent E5071C Network Analyzer

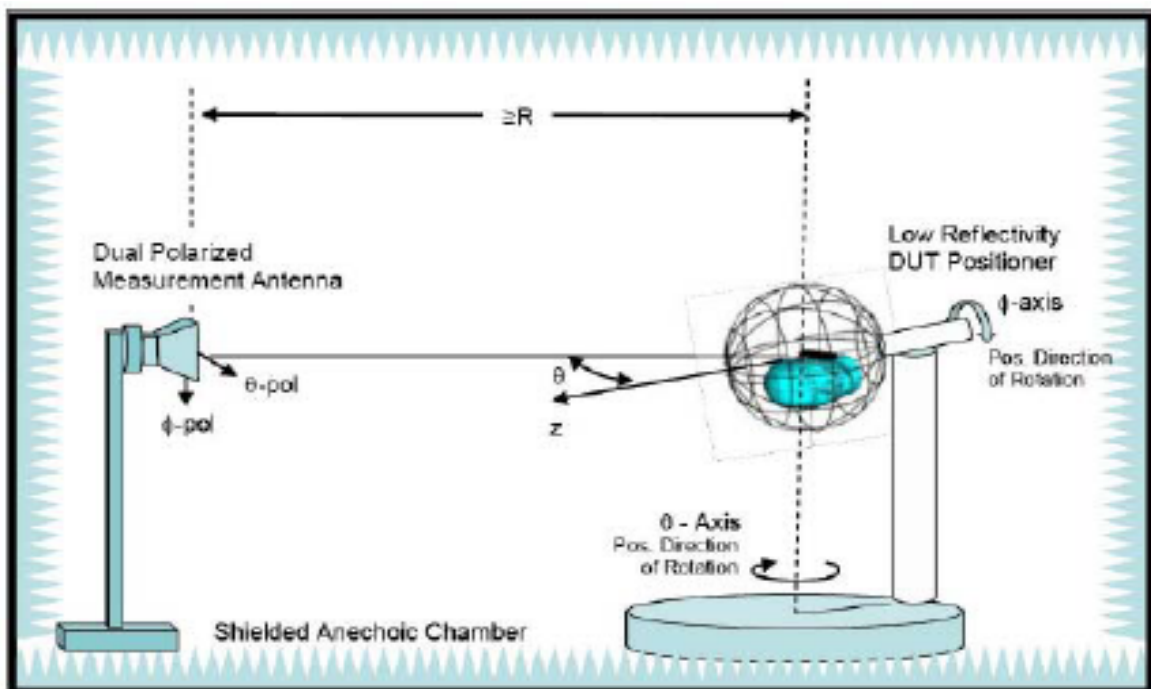
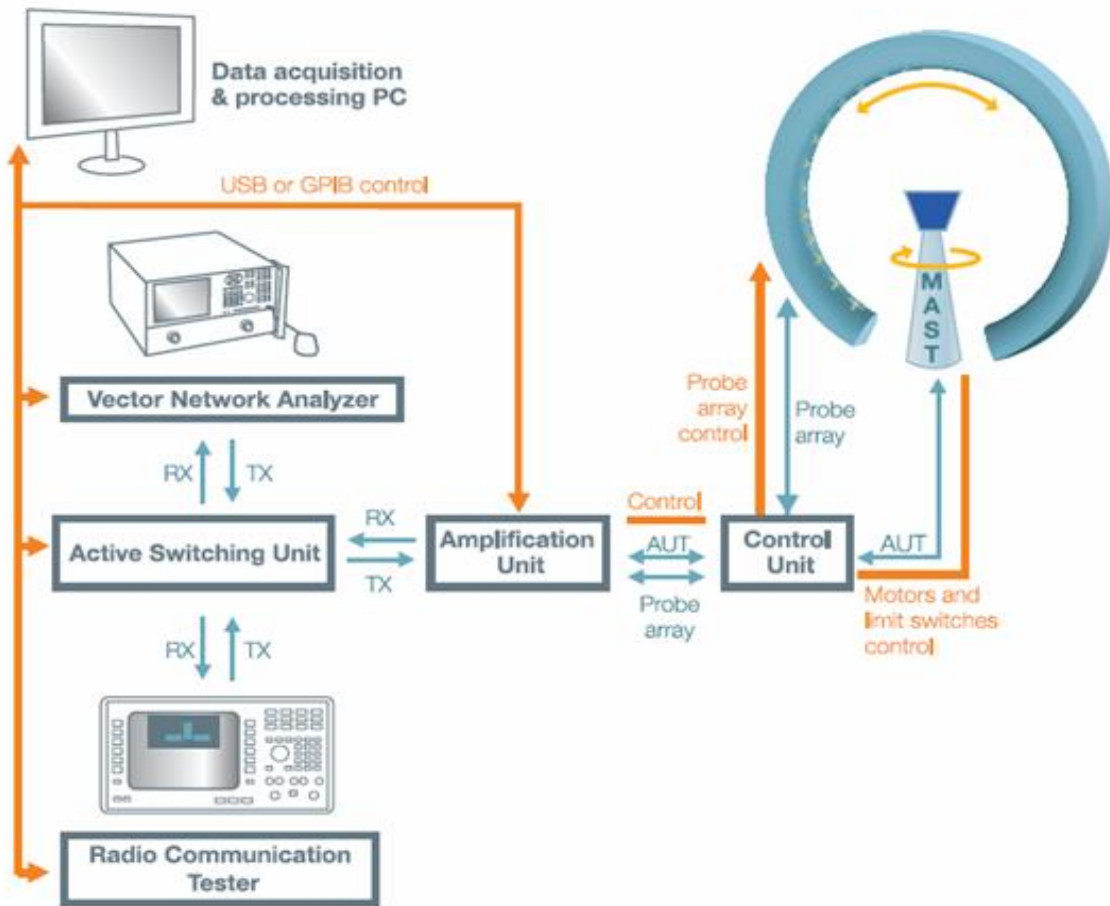


RF Antenna (NO. 1)





# Test Setup





## 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)	2.37	2.35	2.37	2.46	2.43	2.42	2.37	2.36	2.41	2.34	2.20
Efficiency (%)	70.07	73.48	77.18	79.20	80.94	82.99	84.68	83.87	82.68	78.15	77.32



方向图  
Pattern

	XoZ	YoZ	XoY	3D
2400				
2450				
2500				


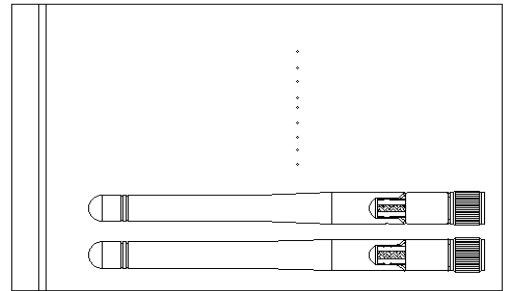
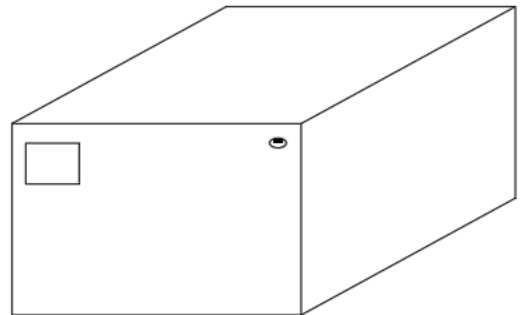
## 产品包装规范

# Product packaging specification

日期/Date: 2023.05.13

page:

1of1

<p>成品名称 Name of finished product</p>	<p>WIFI Antenna</p>	<p>客户 customer</p>			
<p>成品料号 Finished product number</p>	<p>SLEingA100020108-C26</p>	<p>版本 REV.</p>			
<div data-bbox="102 703 625 855" data-label="Image">  </div> <p data-bbox="87 913 603 956">单PCS天线 (Single PCS antenna)</p> <p data-bbox="87 1469 906 1597">(4) Product labels should be affixed to the outer case to indicate the name, specification, quantity and date of the product.</p> <p data-bbox="87 1653 879 1733">(5) Each batch of products should be attached with "factory inspection report".</p> <p data-bbox="87 1736 895 1818">(6) Storage conditions: temperature: -5°C--+30°C, humidity: 20%-70%, The period is one year.</p>		<p data-bbox="935 676 1508 810">(2) 50PCS in a PE bag, the PE bag should be labeled with product labels to mark the product name, specifications, quantity, date and heat seal processing.</p> <div data-bbox="976 873 1487 1162" data-label="Image">  </div> <p data-bbox="1026 1400 1513 1480">(3) Packing: 10-40 bags per box (total 500-2000PCS)</p> <div data-bbox="957 1505 1484 1818" data-label="Image">  </div>			
<p>承办 DESIGNED</p>	<p>胡赵海 (Jreey)</p>	<p>审核 CHECKED</p>	<p>胡赵海 (Jreey)</p>	<p>核准 APPROVED</p>	<p>朱正锐 (Jongrei)</p>