

Antenna Specification

Customer Name:	EARLY LIGHT INDUSTRIAL CO., LTD
Project Name:	JMD003
New Material Model:	M02-0200010R0A
Old Material Model:	M12.0261-R0A
Product Name:	2.4&5.8G Dual-frequency external rod antenna
Customer Number:	
Version:	A

supplier		customer	
Prepared by		Purchase	
Checked by		Engineering	
Approved by		Quality	
☒ The new material ☐ Recycle (The number to be recycled)			
Cachet : 2021-04-23		Cachet:	

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3. Engineering Drawing

No.	Name	Material	Color	size	Amount	Remark
1	The shell	TPE	white	156* ϕ 13mm	1	
2	On the base	PC+PBT	white	18* ϕ 13mm	1	
3	A shaft	POM	white	5* ϕ 2.25mm	2	
4	Under the base	PC+PBT	white	14.5* ϕ 13mm	1	
5	SMA connector		white	17* ϕ 13.0mm	1	

REMARKS:
1. ALL MATERIALS ARE RoHS COMPLIANT.

Rev	Description	Date	Remark
A0	New drawing	20210223	

MyAntenna [®]		深圳摩天射频技术有限公司 ShenZhen MyAntenna RF Technology Co., Ltd	
ϕ	Third Angle	Project	JMD003
0~10	± 0.10	Part Name	2.4G45.8G棒状天线
10~18	± 0.15	Part No.	
18~30	± 0.20	Material	
30~40	± 0.25	DWG No.	
40~	± 0.30	Unit	mm
	Angle	Scale	1:1
	Location		

ShenZhen MyAntenna RF Technology Co.,Ltd

Address: Room 405, building r3-a, South District, Nanshan Science Park, Shenzhen

Telephone: 0755-86503881 Fax:0755-27801677

Mailbox: nfc@imyantenna.com Zip code:518057

4. Antenna Test

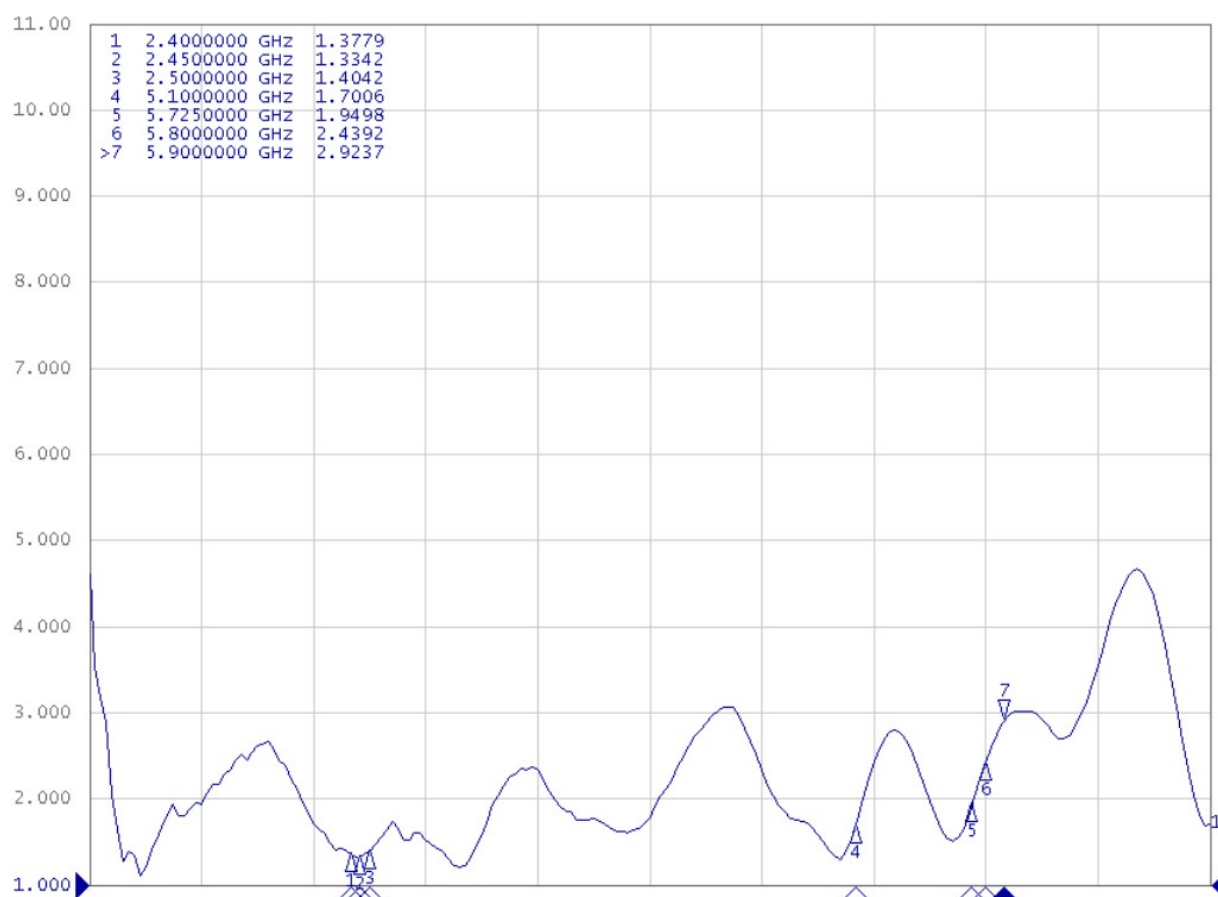
4.1 Processing Mode

4.1.1 Matching Circuit (Nothing)

4.1.2 Environmental Treatment (Nothing)

4.2 Performance Testing

4.2.1 VSWR



4.2.2 Active Antenna Test (Nothing)

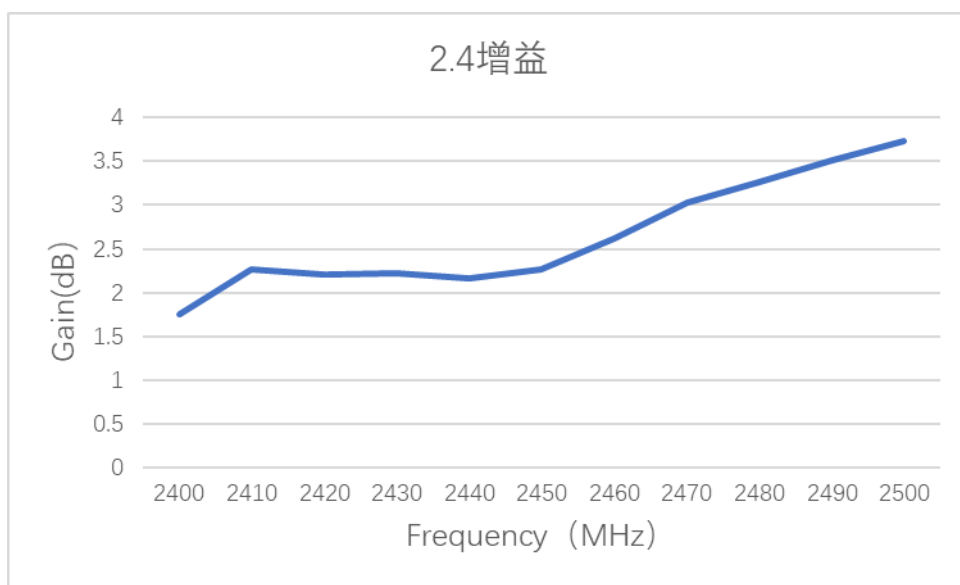
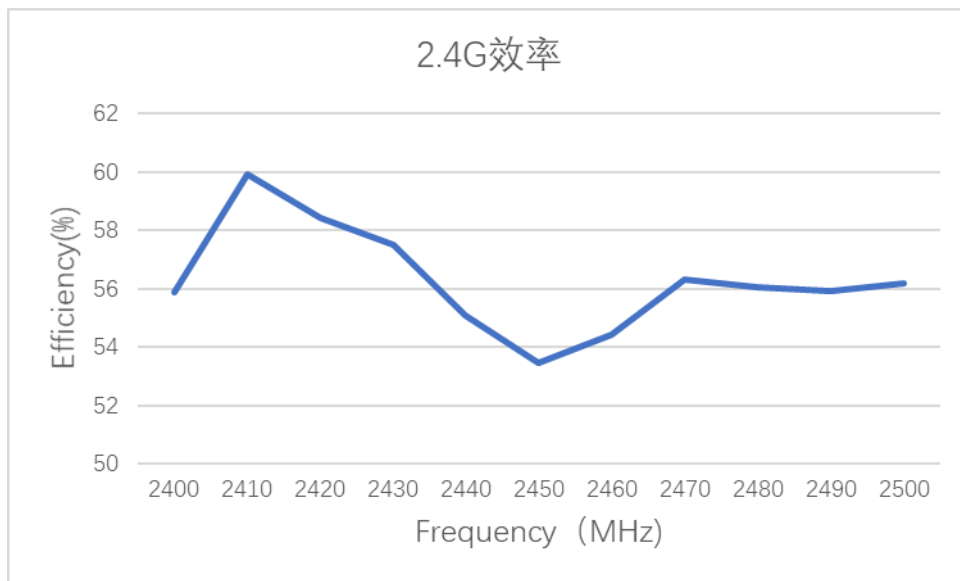
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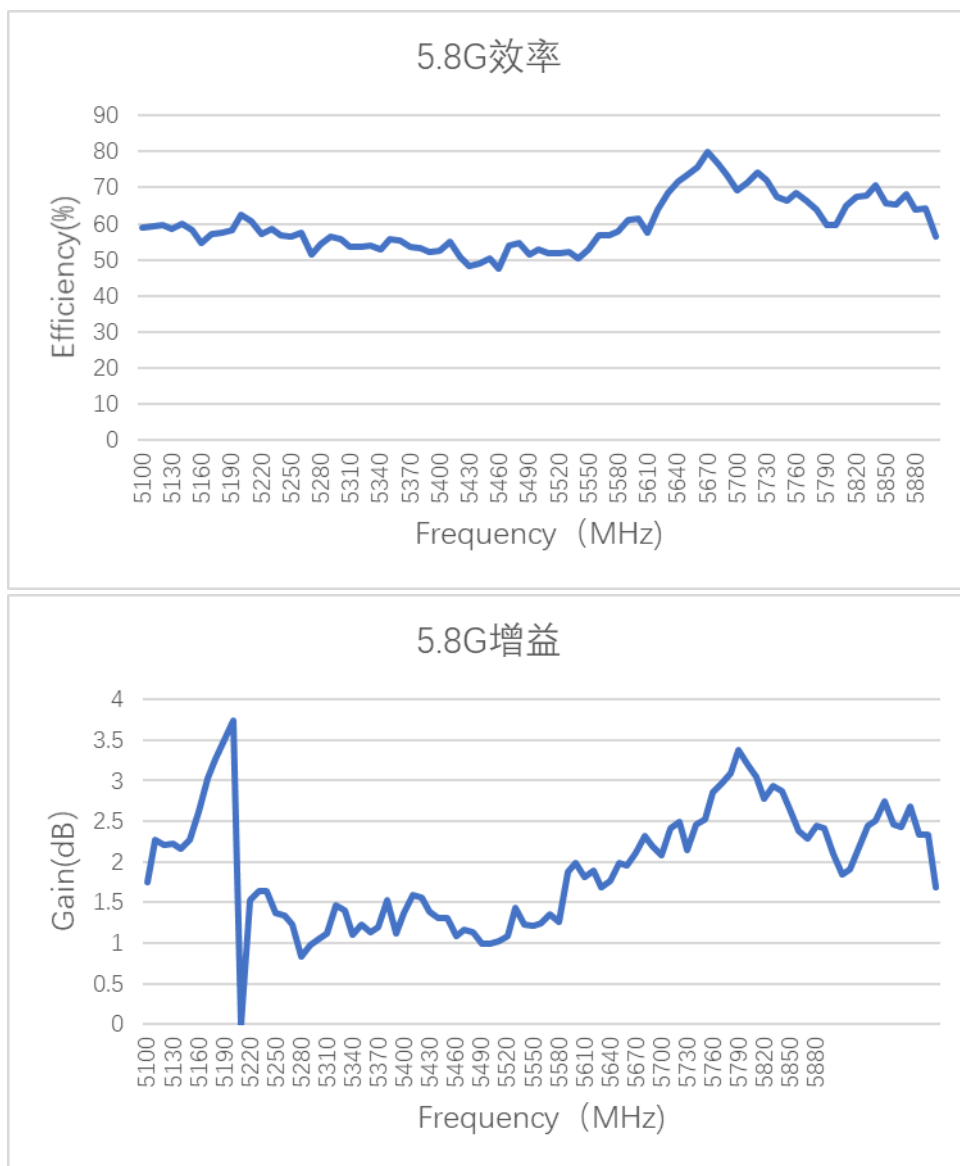
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4. 2. 3 Passive Antenna Test





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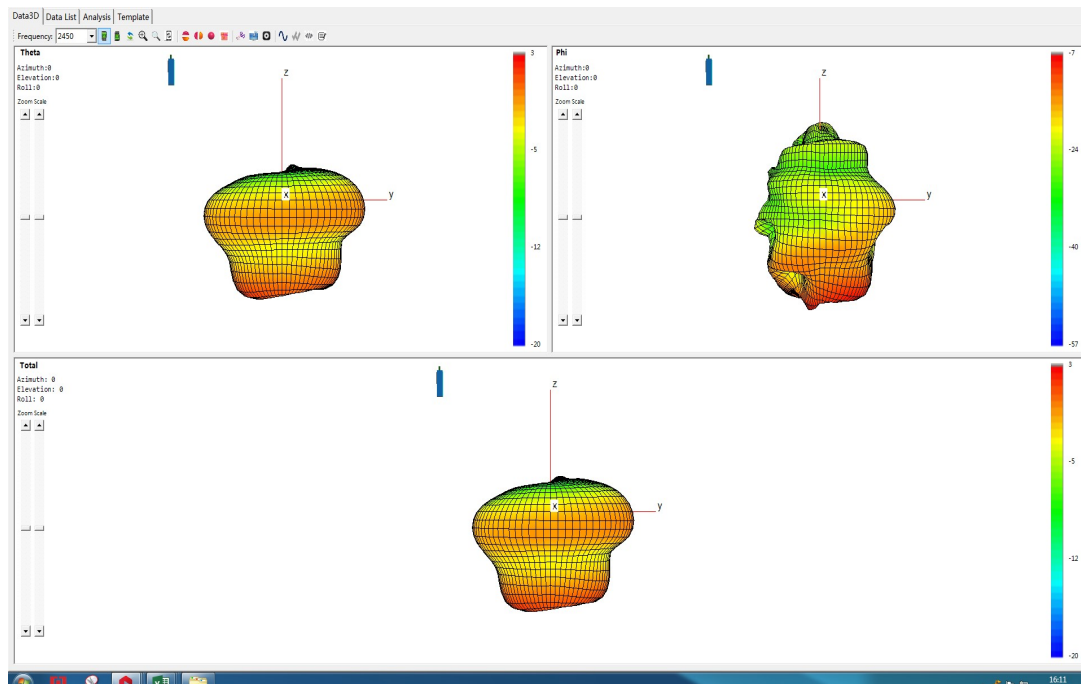
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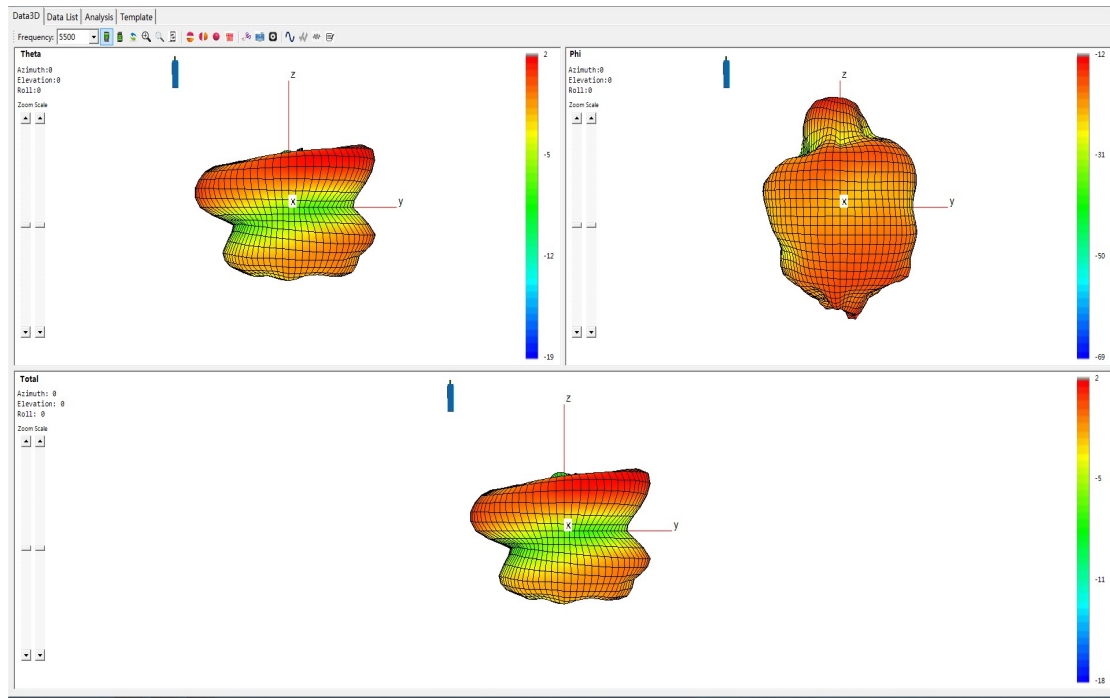
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4.2.4 3D graphics

2. 4G



5. 8G



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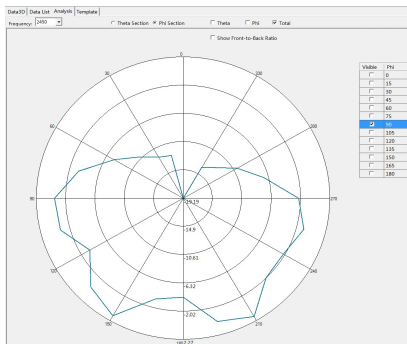
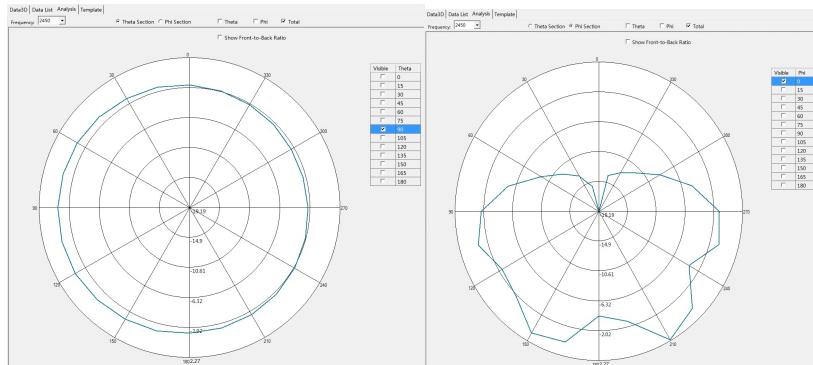
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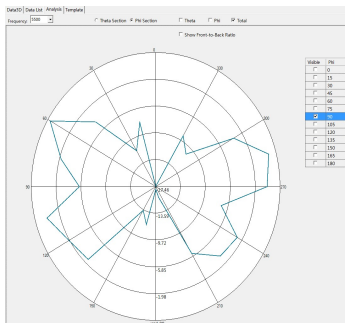
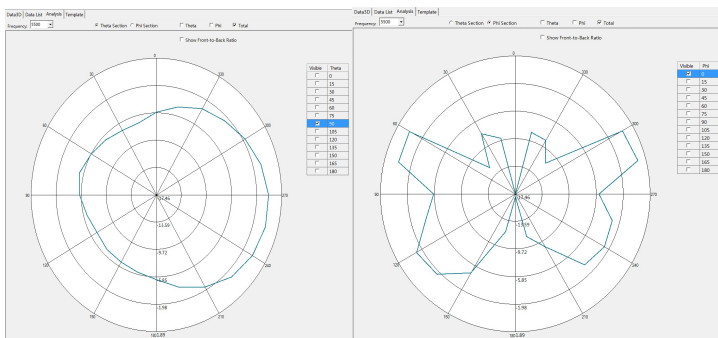
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4.2.5 2D graphics

2. 4G



5. 8G



5. Antenna placement diagram(Nothing)

6. Inspection Report

Project Name		JMD003		Antenna Type	2.4&5.8G Dual-frequency external rod antenna		Inspection Date	2021-04-23	
Appearance Standard				1、No abnormality on the antenna surface					
Dimension Standard				2、Within the required tolerances based on the drawing					
No	Inspection subject	Standard	Inspection tool	Sampling number	Result	Remark			
1	Appearance	As Above	Visually	6PCS	OK				
2	Dimension	As Below Chart	Vernier Caliper	6PCS	OK				
No	Inspection Subject	Dimension	Tool	Test Results (Recorded six groups of testing data includes the highest & lowest values)					
				1	2	3	4	5	1
1	Dimension	$\Phi 13 \pm 0.3$	Caliper						
2		195.0 ± 5.0							
3									
Remark									
Supervisor: SAM		Audit: CHEN				Inspector: JOYCE			

7、ROHS Test Report

Project material name	material code	Report the name of the test sample	<u>testing organization</u>	testing time	Test report number		<u>test conclusion</u>	remark
JMD003	M02-0600040ROA	Coaxial line	SGS	2020/5/5	CANEC2002004901		OK	
		TPE TPR Plastic	SGS	2020/3/20	CANEC2003075602		OK	
		PC+PBT Plastic mixture	SGS	2020/3/9	CANEC2002157301		OK	
		PCB	SGS	2020/3/2	SZXEC2000177601		OK	
Legal fiction: JOYCE		verifier: chen		date: 2021-04-23		Stamp service:		