

# Antenna Specification

Customer Name:	EARLY LIGHT INDUSTRIAL CO., LTD
Project Name:	Hf01
New Material Model:	M02-0600040R0A
Old Material Model:	M1G. 0096-R0A
Product Name:	2.4G external external antenna
Customer Number:	
Version:	A

supplier		customer	
Prepared by		Purchase	
Checked by		Engineering	
Approved by		Quality	
<input checked="" type="checkbox"/> The new material		<input type="checkbox"/> 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	black	156*φ13mm	1	
2	On the base	PC+PBT	black	18*φ13mm	1	
3	A shaft	POM	black	5*φ2.25mm	2	
4	Under the base	PC+PBT	black	14.5*φ13mm	1	
5	SMA connector		black	17*φ13.0mm	1	

RoHS  
Compliant  
G P

REMARKS:  
1. ALL MATERIALS ARE RoHS COMPLIANT.

<b>MyAntenna</b>		深圳摩天射频技术有限公司 ShenZhen MyAntenna RF Technology Co.,Ltd			
		Third Angle	Project	Hf01	Designed by
		0~10 ±0.10	Part Name		Date
		10~18 ±0.15	Part No.	M02-0600040ROA	Checked by
		18~30 ±0.20	Material		Date
A0	New drawing	20210423			Approved by
Rev	Description	Date	Remark	DWG No.	00000216
				Unit	mm
				Scale	1:1

## 4. Antenna Test

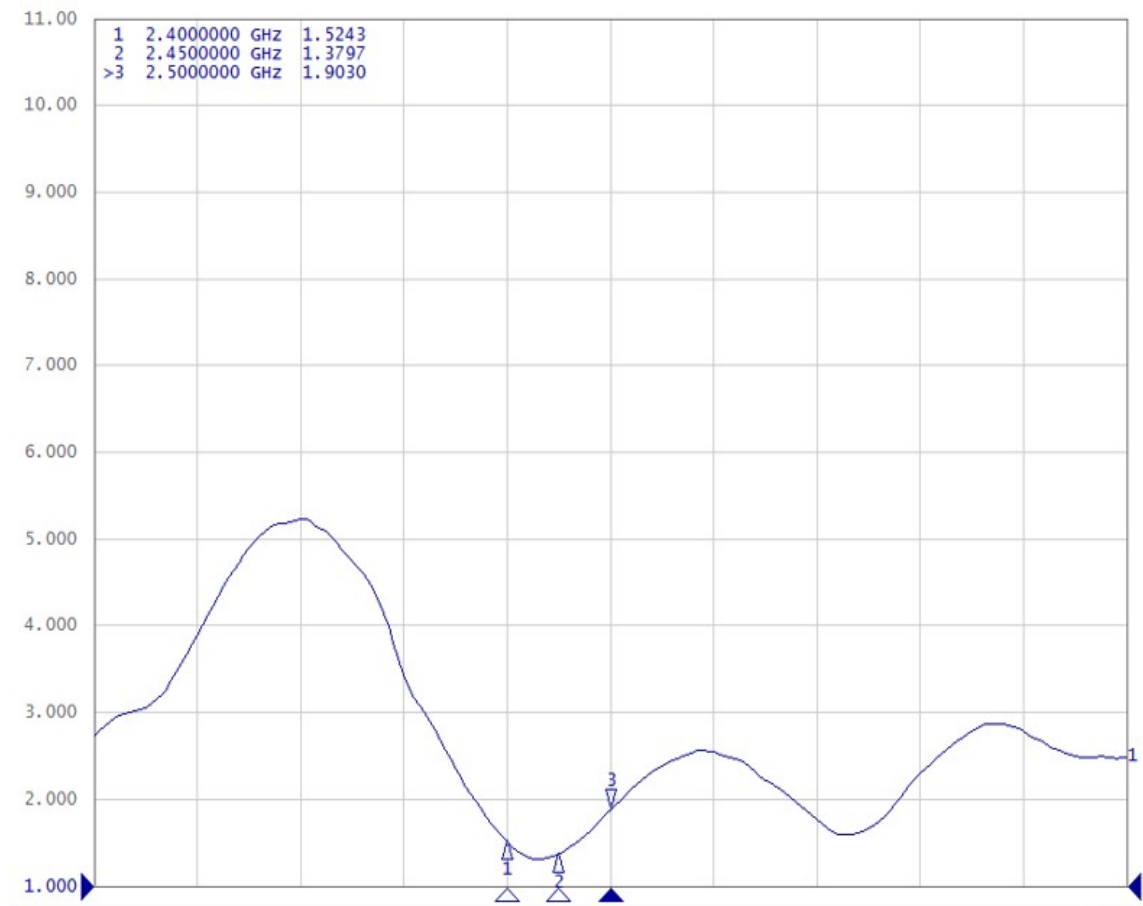
### 4.1 Processing Mode

4.1.1 Matching Circuit (Nothing)

4.1.2 Environmental Treatment (Nothing)

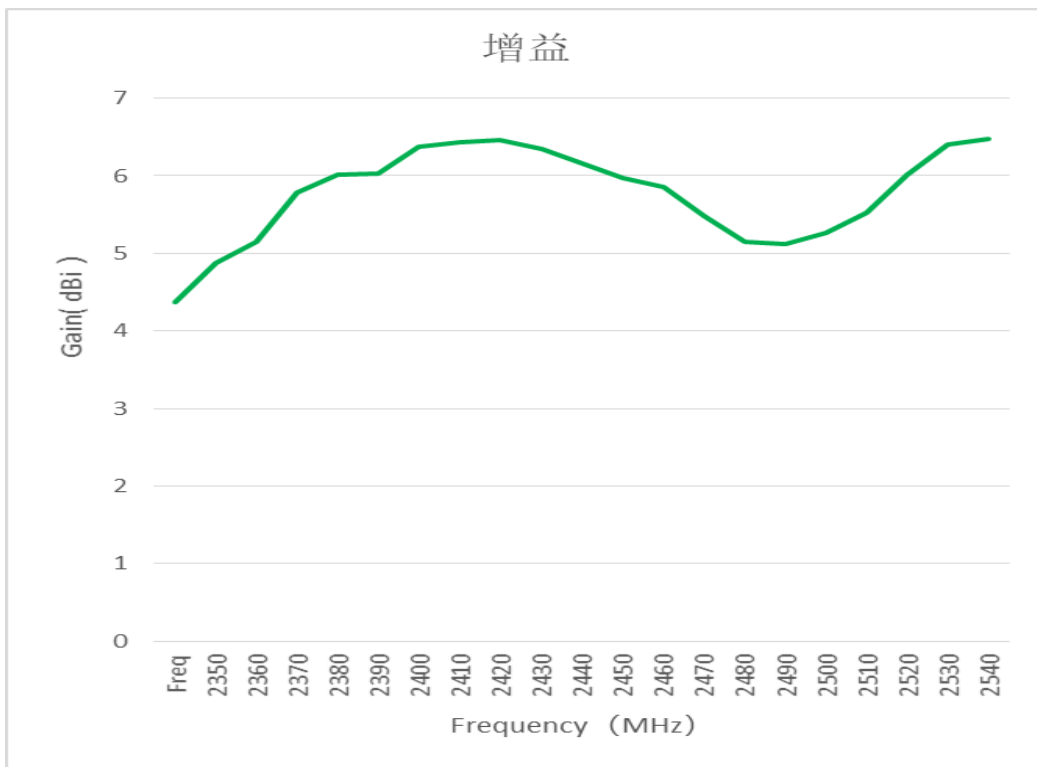
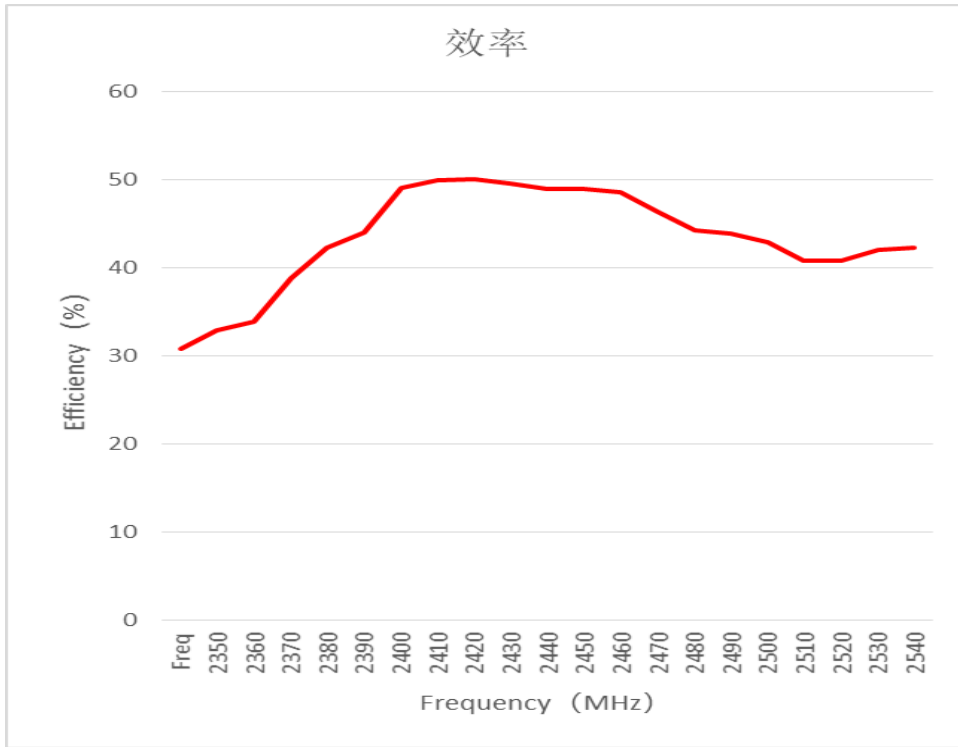
### 4.2 Performance Testing

#### 4.2.1 VSWR



#### 4.2.2 Active Antenna Test (Nothing)

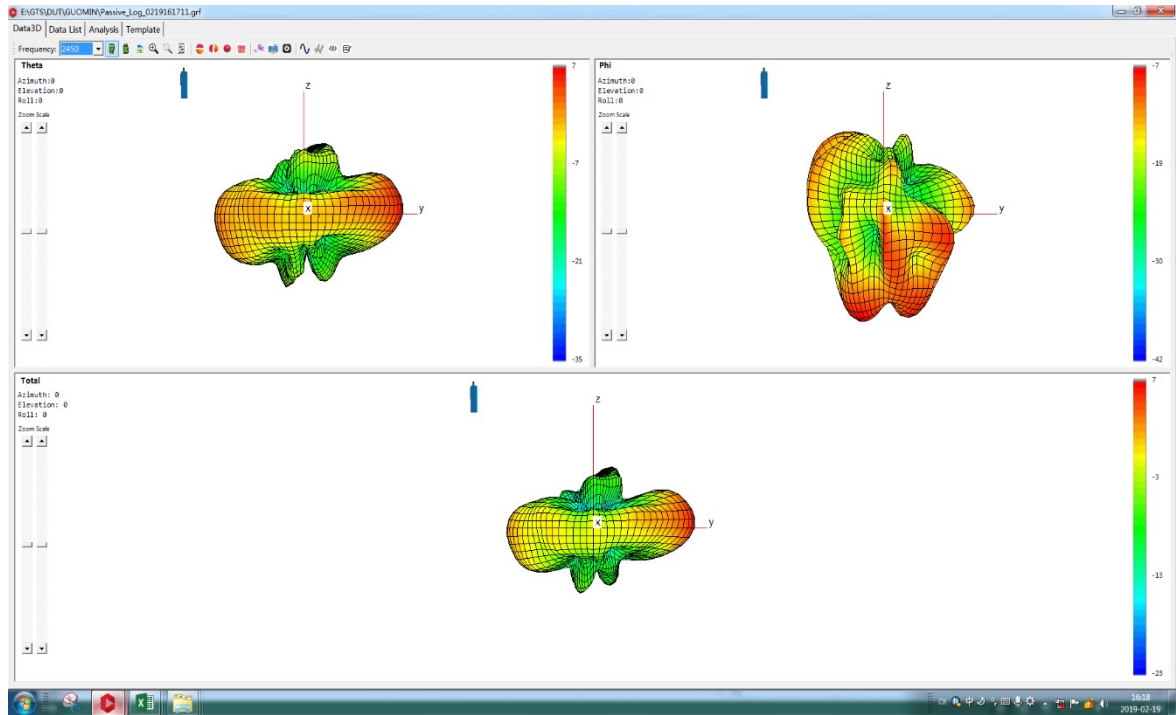
4. 2. 3 Passive Antenna Test



Max antenna gain:6.4 dBi

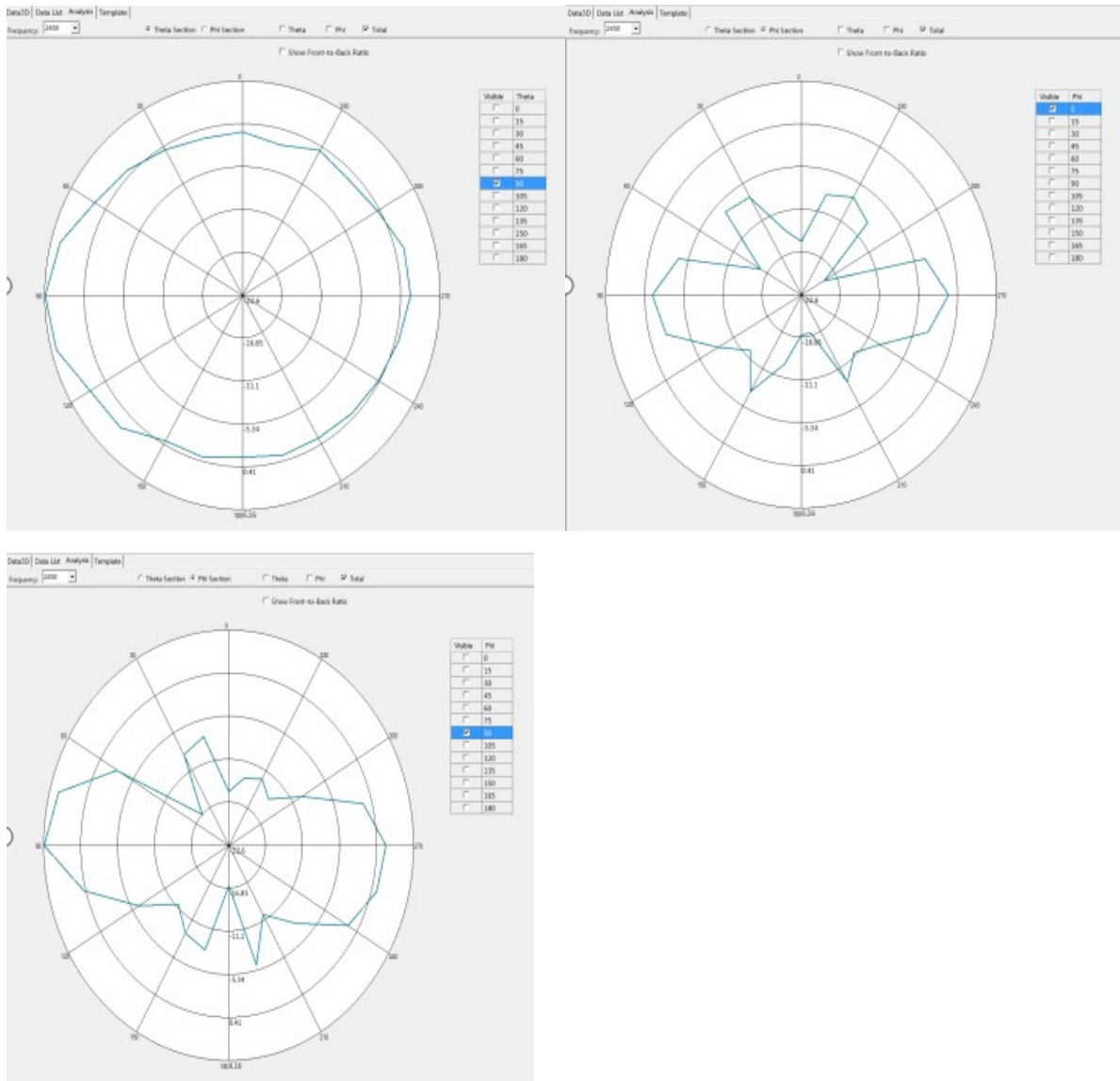
ShenZhen MyAntenna RF Technology Co.,Ltd  
 Address: Room 405, building r3-a, South District, Nanshan Science  
 Park, Shenzhen Telephone: 0755-86503881 Fax:0755-27801677  
 Mailbox: [nfc@imyantenna.com](mailto:nfc@imyantenna.com) Zip code:518057

### 4. 2. 4 3D graphics



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4. 2. 5 2D graphics



5. Antenna placement diagram(Nothing)

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## 6. Inspection Report

Project Name		Hf01		Antenna Type	2.4G external external 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	1			
2	Dimension	As Below Chart	Vernier Caliper	6PCS	OK	2			
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		$195.0 \pm 5.0$							
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	
Hf01	M02-060004 OROA	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:		