

Antenna Specification

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Customer Name: Early Light Industrial Co., Ltd.

Part Number: 701-1096R0A-G01

M02-0600040R0A

Project Name: WIFI 2.4G

Company Name: Shenzhen MyAntenna Technology Co., Ltd.

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Update: 2026-05-14

OverView

Items	Details
FREQUENCY	2400MHz-2500MHz;
antenna type	Rod antenna

Revision History

Date	Revision	Author	Description of changes
2026-05-14	A	Yang Yongcheng	Antenna specification

Test Item & Equipment

List	Test Item	Equipment	
1.S Parameter	VSWR, Return Loss	Agilent VNA	
2.Active Test	TRP, TIS	Agilent 8960	RayZone2800
3.Passive Test	Gain, Efficiency, Pattern	Agilent E5071C	



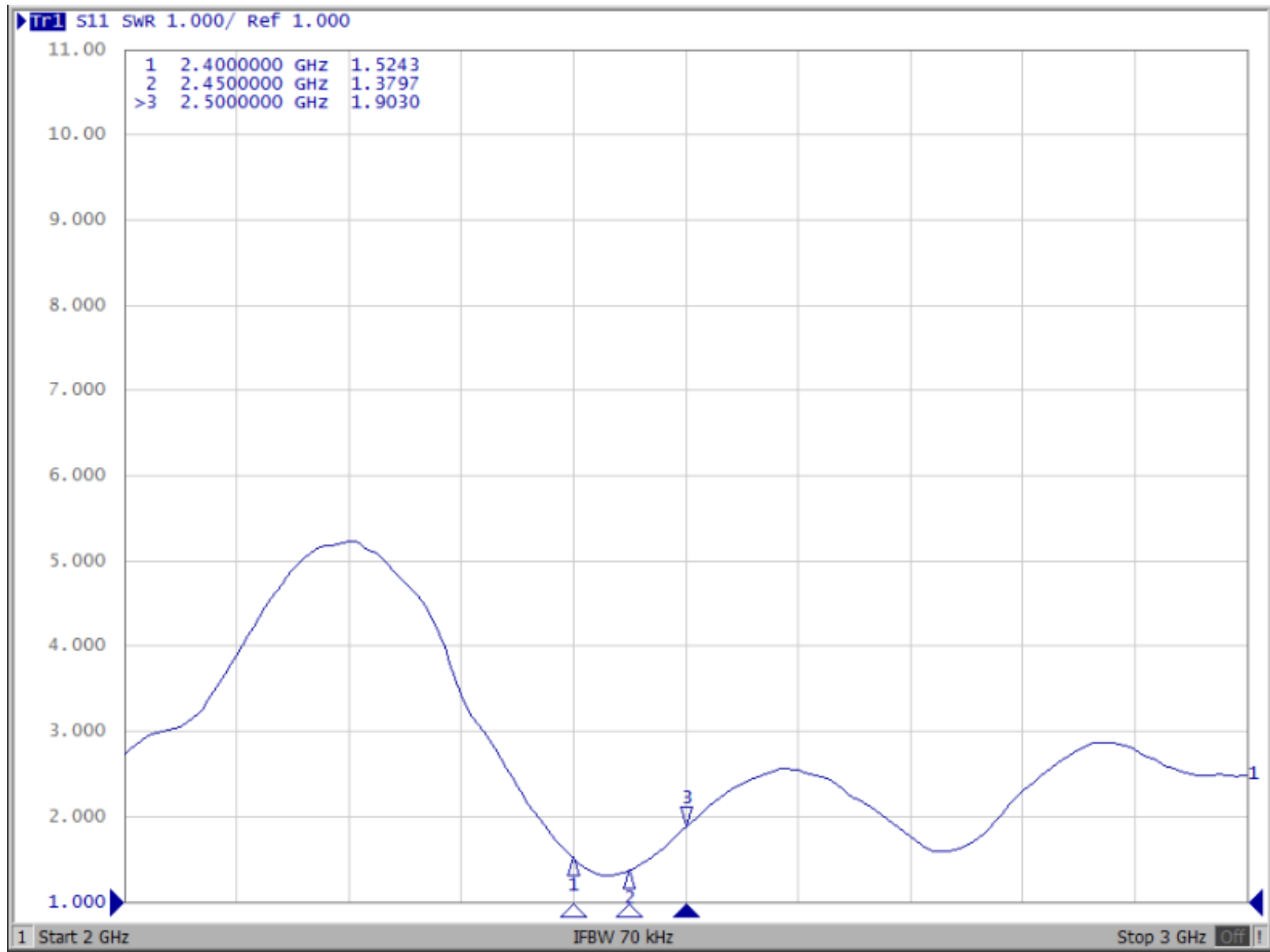
please refer to antenna photo.

1. ALL MATERIALS ARE RoHS COMPLIANT.

4	reversed SMA connector		black	17*? 13.0mm	1	
3	Under the base	ABS	black	14.5* ϕ 13mm	1	
2	On the base	ABS	black	18* ϕ 13mm	1	
1	The shell	TPE	black	156* ϕ 13mm	1	
No.	Name	Material	Color	size	Amount	
		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	2.4G external external antenna		Date	
10~18 ± 0.15		Part No.	M02-0600040ROA		Checked by	RF
18~30 ± 0.20		Material			Date	
30~40 ± 0.25						
40~ ± 0.30	Angle					
Location		DWG No.	00000216		Approved by	
			Unit	mm	Scale	1:1

2026-5-14

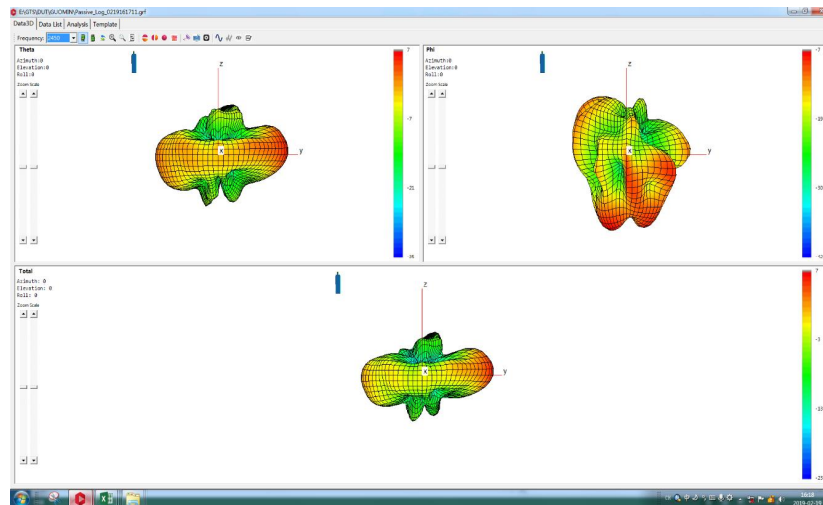
VSWR



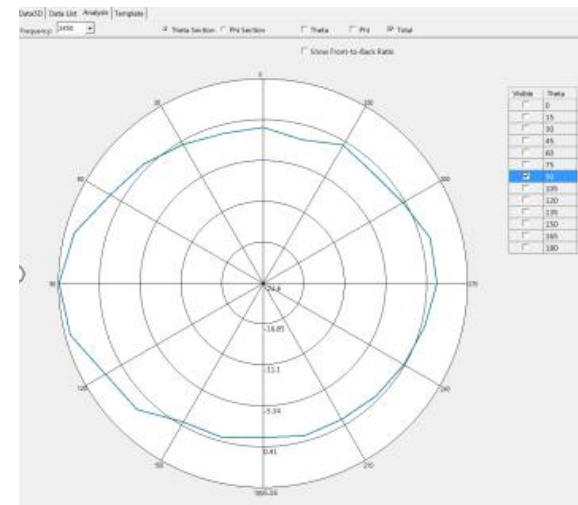
Antenna Passive Data:

Frequency (MHz)	Gain (dBi)	Efficiency (%)
2350	4.37	30.76
2360	4.88	32.92
2370	5.15	33.90
2380	5.78	38.86
2390	6.01	42.27
2400	6.02	44.08
2410	6.37	49.10
2420	6.43	49.92
2430	6.46	50.12
2440	6.35	49.61
2450	6.16	48.95
2460	5.97	48.92
2470	5.86	48.61
2480	5.48	46.32
2490	5.14	44.28
2500	5.12	43.84
2510	5.26	42.85
2520	5.53	40.86
2530	6.01	40.79
2540	6.41	42.09
2550	6.47	42.33

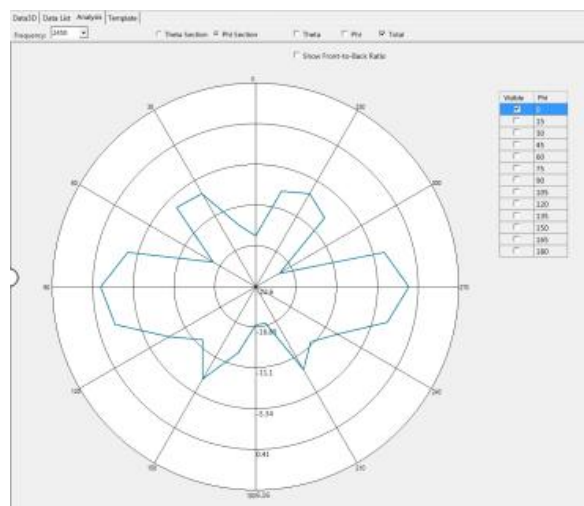
Antenna 2D/3D Radiation Pattern (2450 MHz)



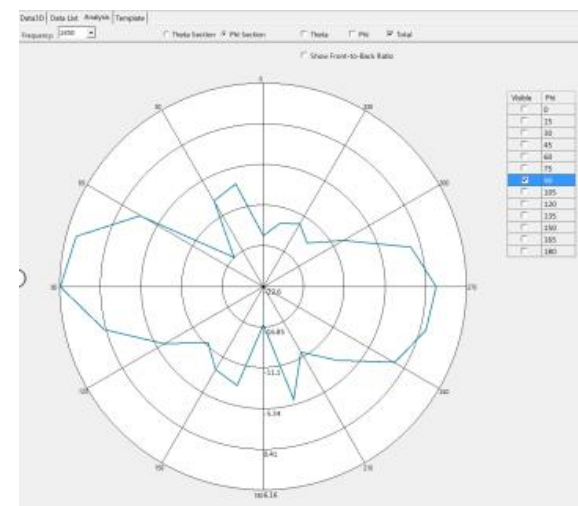
3D



H



E1



E2