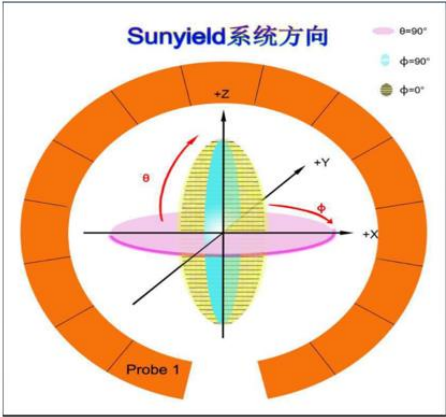


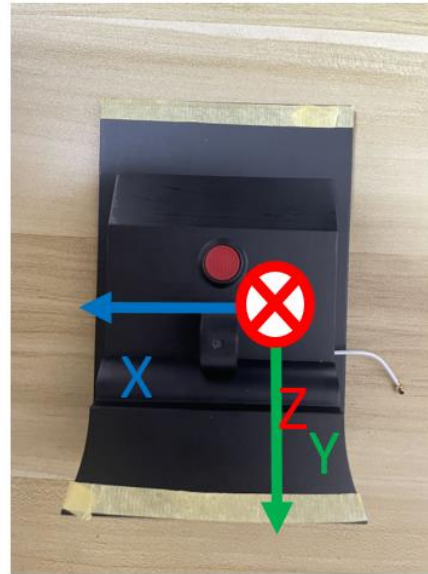
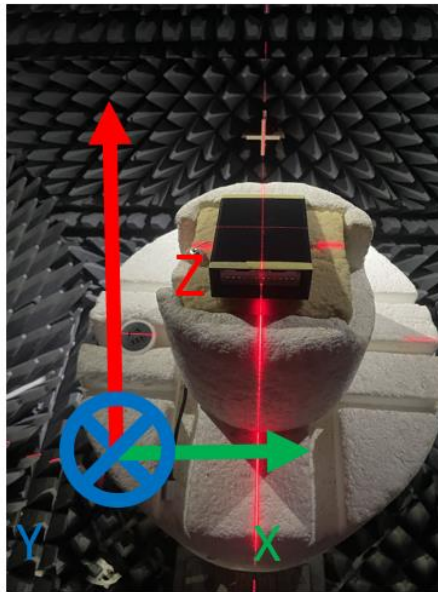
Product Information			
Client	WS002C太阳能草坪灯	Protocol	BLE
Project Number	RD0251215006	Sample Quantity	1
Model Number	M-LBP32B000A-V2.0	PCB Version	D-SIP-A38-01A-A V2.0-Y1
Chip Type	PHY6225QC-W08I	Structure Version	正式模
Sample Pictures			

Summary				
No.	Item	Result	Limit	Judgment
1	VSWR	1.33	< 2.5	Pass
2	Antenna efficiency	-4.94dB	> -10 dB	Pass
Conclusion	PASS			
Revision history				
Testor	Zhuwei	Test Date	2026.1.30	
Version	Date	Revise Content	Reviser	
V2.0	2026.1.30	Establish	Zhuwei	

SY-16M Test System

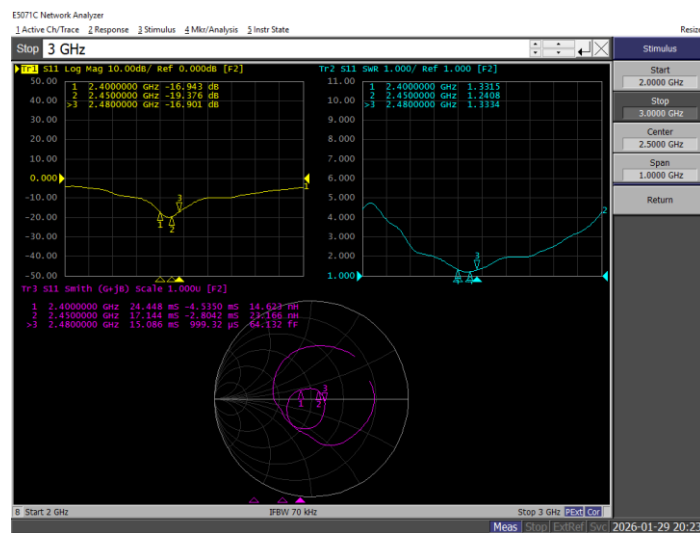


Sample Picture

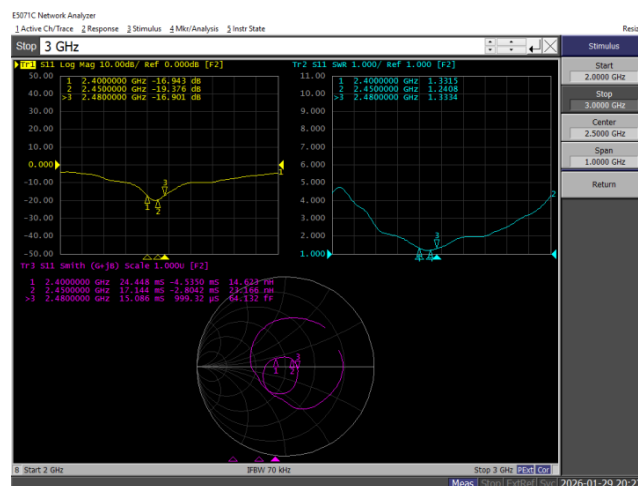


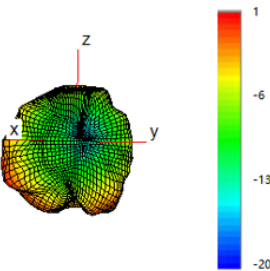
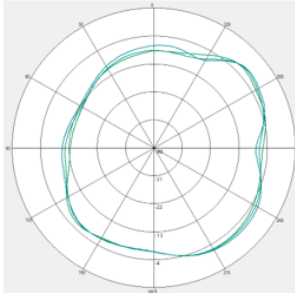
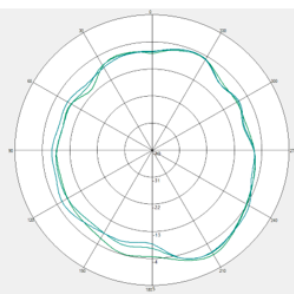
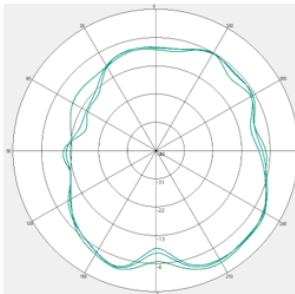
VNA Data

Original Result of Simulation Setting

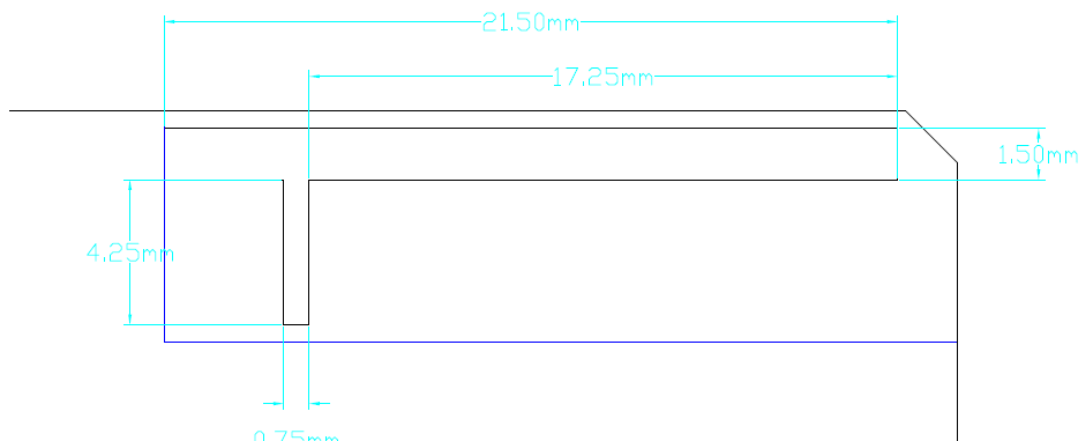


Final Tuning Result



Chamber Data				
Frequency (MHz)	Gain (dBi)	Efficiency (dR)	3D	$\theta = 90^\circ$ (XY Plane)
2400	1.16	-4.64		
2410	1.10	-4.83		
2420	0.84	-4.92		
2430	0.82	-4.94		
2440	0.84	-4.85		
2450	0.66	-4.77		
2460	0.61	-4.77		
2470	1.16	-4.68	$\phi = 0^\circ$ (XZ Plane)	$\phi = 90^\circ$ (YZ Plane)
2480	1.29	-4.63		
2490	1.12	-4.57		
2500	1.27	-4.56		
-	-	-		
MIN	0.61	-4.94		
MAX	1.29	-4.56		
AVG	0.99	-4.74		

Antenna size



Manufacturer : SPRING SUNSHINE TECHNOLOGY CO., LIMITED

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