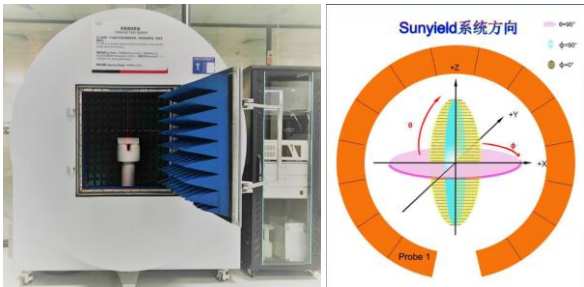
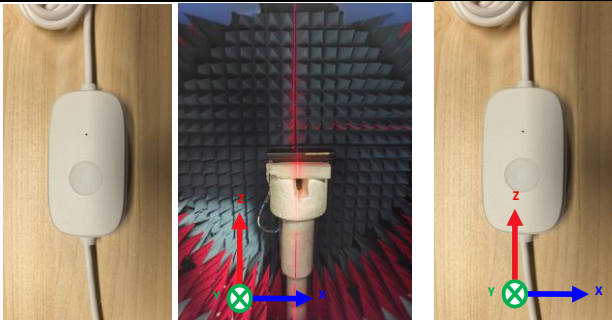
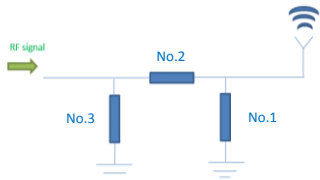
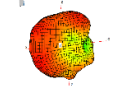
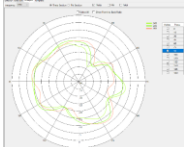
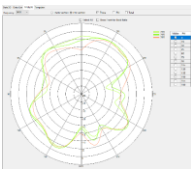
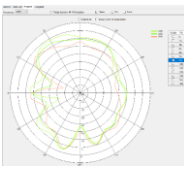


LEEDARSON 立达信		Antenna Test Report		Version : 2024-04-02_V2.3	
Product Information					
Client	屋檐灯	Protocol	WiFi+BLE		
Project Number	\	Sample Quantity	1		
Model Number		PCB Version			
Chip Type		Structure Version	正式模		
Sample Picutres					
Summary					
No.	Items	Remark			
1	Passive Test	/			
2	Rawdata	/			
3	Raw File	/			
Author		Xiaoyong Wang	Test Date	2025. 6. 20	
Verifier		Xiaoyong Wang	Review Date	2025. 6. 20	
Date		Version	Revise Content	Reviser	
2025. 4. 15		V2. 0	Establish Report	Xiaoyong Wang	

Test setting								
SY-16M Test System		Sample Picture						
								
Antenna Matching								
		Matching Component						
		Position	No. 1	No. 2	No. 3			
		Item No.						
		Value						
		1st						
		2nd						
		3rd						
		Remark	PCB板载天线					
WiFi Passive Test Results								
VNA Data		Chamber Data						
Original Result of Simulation Setting		Frequency (MHz)	Gain (dBi)	Efficiency (dBi)	3D	$\theta = 90^{\circ}$ (XY Plane)		
		2400	1.61	-2.07				
		2410	1.31	-2.19				
		2420	1.4	-2.19				
		2430	1.17	-2.33				
		2440	0.98	-2.31				
		2450	0.74	-2.35				
Final Tuning Result		2460	0.5	-2.47	$\phi = 0^{\circ}$ (XZ Plane)	$\phi = 90^{\circ}$ (YZ Plane)		
		2470	0.33	-2.71				
		2480	0.61	-2.68				
		2490	0.93	-2.77				
		2500	1.14	-2.99				
		-	-	-				
		MIN	0.33	-2.99				
		MAX	1.61	-2.07				
		AVG	0.97	-2.46				