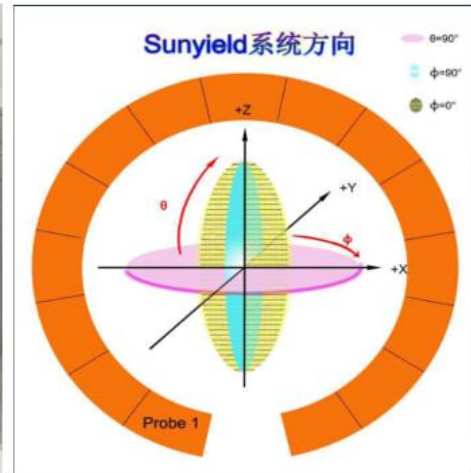
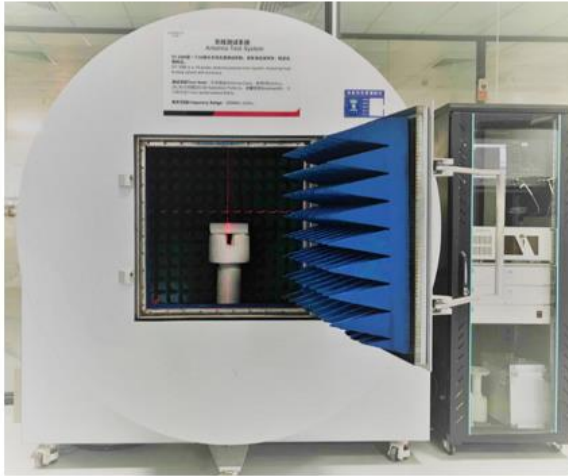
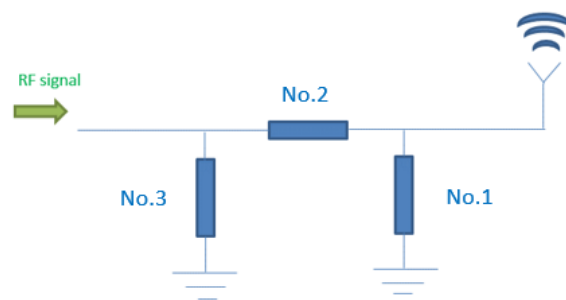
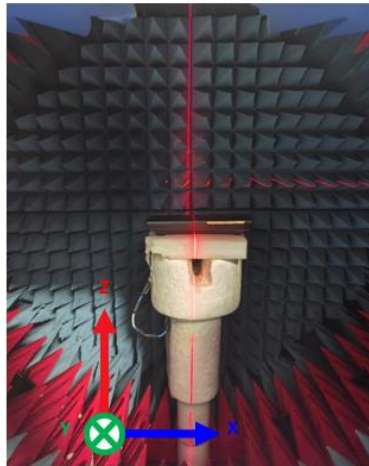


LEEDARSON 立达信		Antenna Test Report	
		Version : 2024-04-02_V2.3	
Product Information			
Client	屋檐灯	Protocol	WiFi+BLE
Project Number	\	Sample Quantity	1
Model Number		PCB Version	
Chip Type		Structure Version	正式模
Sample Picutres			
Summary			
No.	Iterms	Remark	
1	Passive Test	/	
2	Rawdata	/	
3	Raw File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

SY-16M Test System



Sample Picture



VNA Data

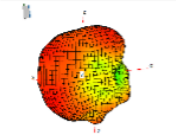
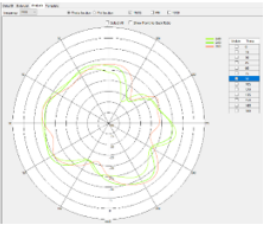
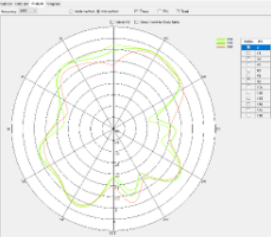
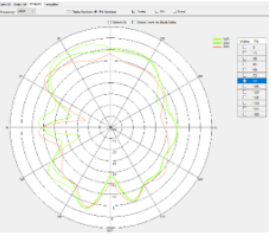
Original Result of Simulation Setting



Final Tuning Result



Chamber Data

Frequency (MHz)	Gain (dBi)	Efficiency (dR)	3D	$\theta = 90^\circ$ (XY Plane)
2400	1.61	-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		
2460	0.5	-2.47		
2470	0.33	-2.71	$\phi = 0^\circ$ (XZ Plane)	$\phi = 90^\circ$ (YZ Plane)
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		