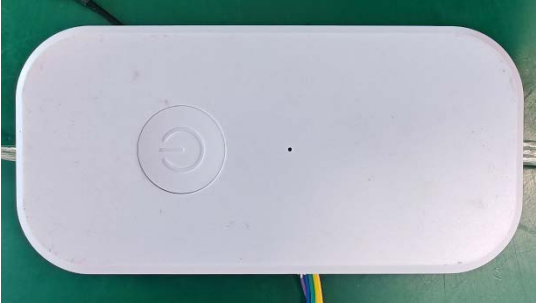
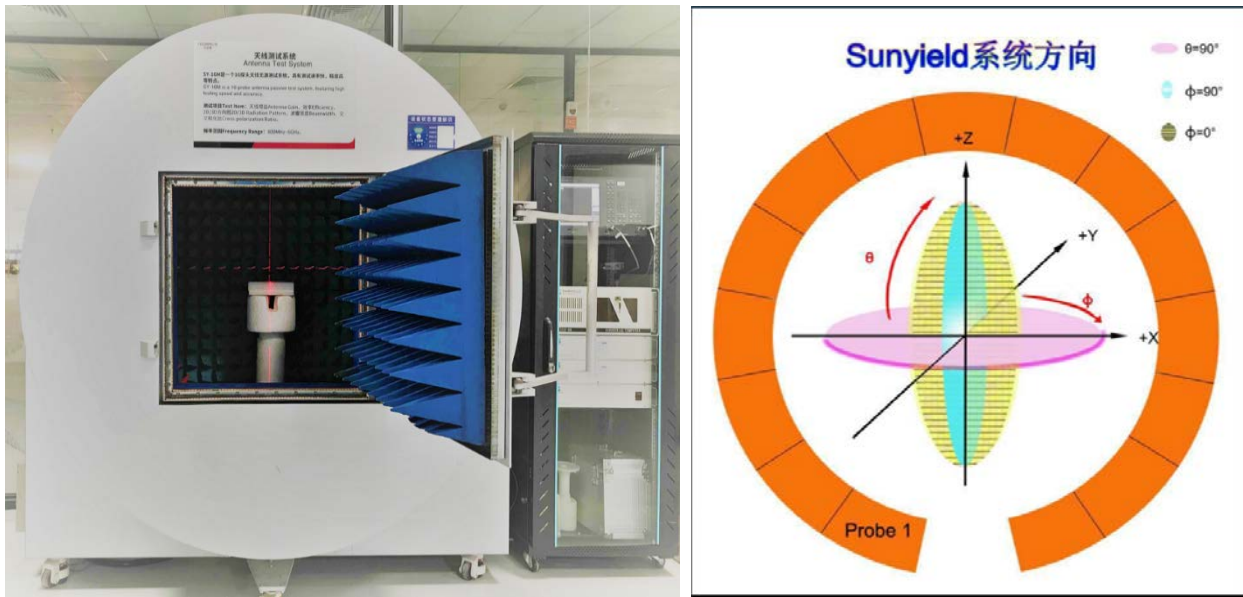
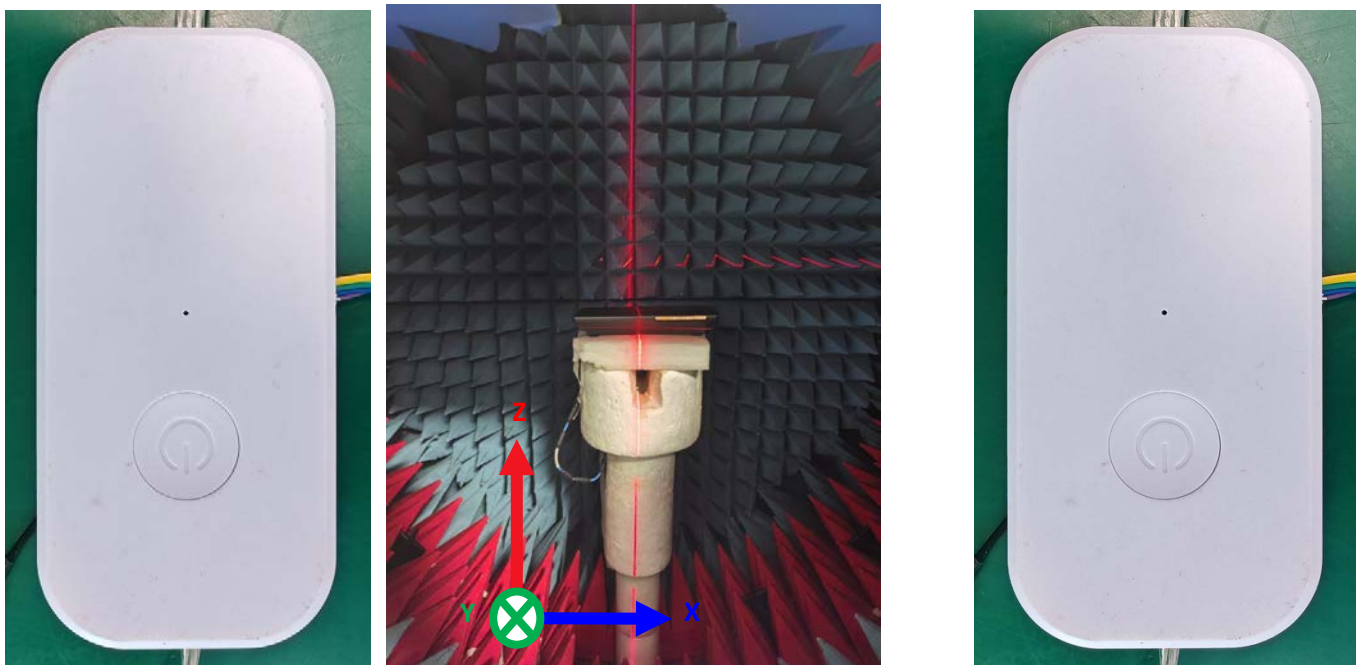
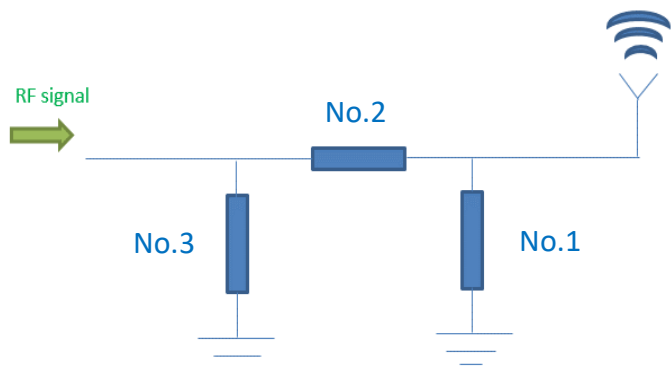
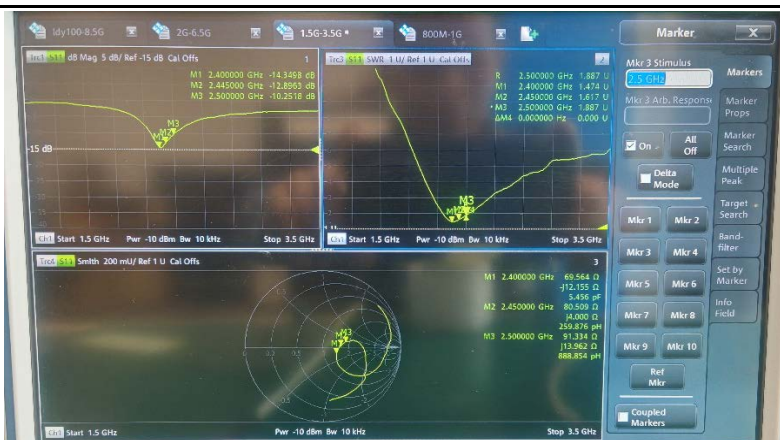
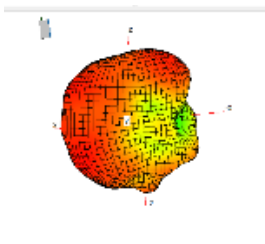
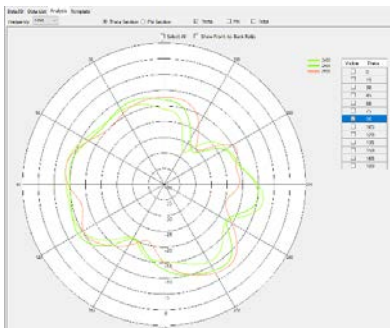
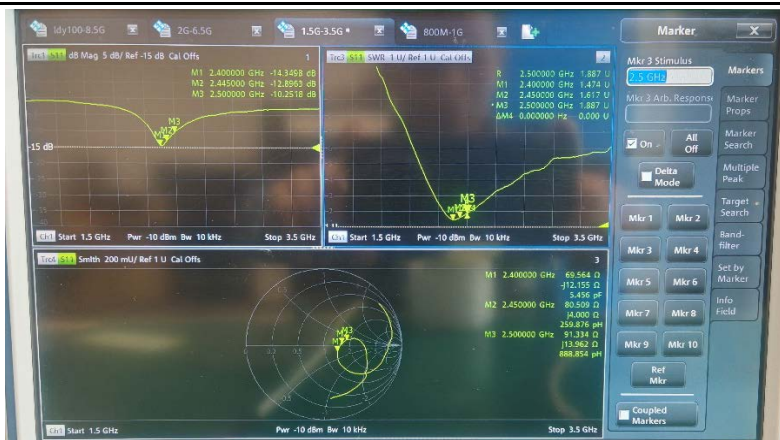
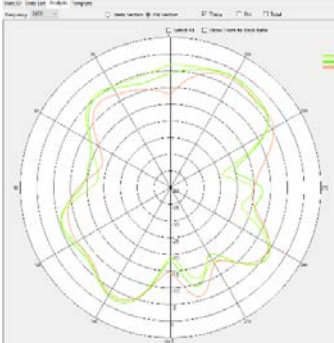
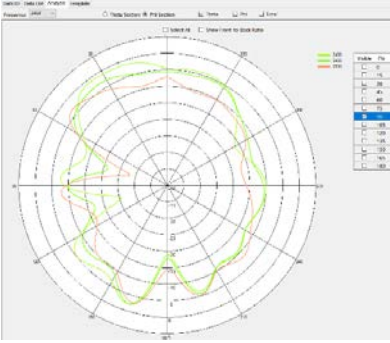
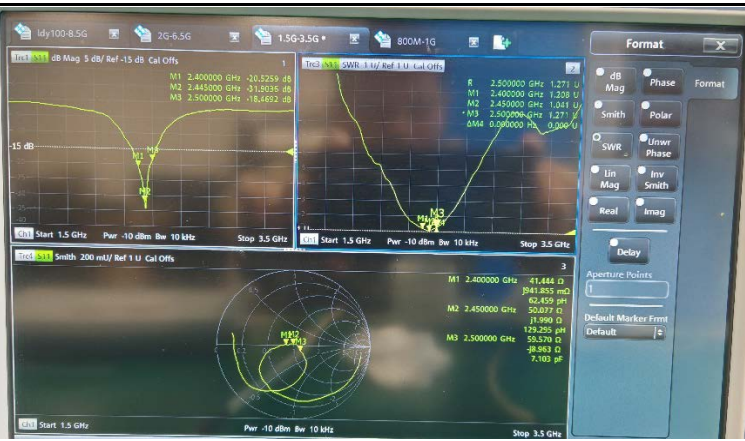
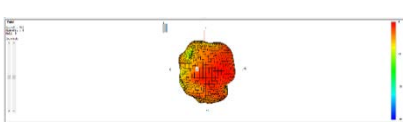
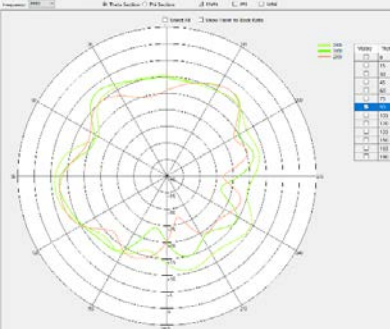
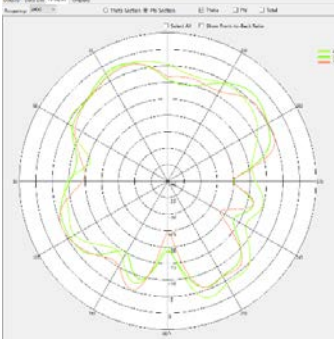
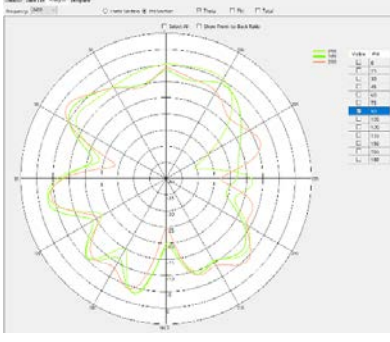


LEEDARSON 立达信		Antenna Test Report		Version: 2024-04-02_V2.3
Product Information				
Client	HC5C窗帘灯	Protocol	WiFi+BLE	
Project Number	\	Sample Quantity	1	
Model Number		PCB Version		
Chip Type		Structure Version	正式模	
Sample Picutres				
Summary				
No.	Iterms	Remark		
1	<u>Passive Test</u>	/		
2	<u>Rawdata</u>	/		
3	<u>Raw File</u>	/		
Author		Xiaoyong Wang	Test Date	2025. 4. 15
Verifier		Xiaoyong Wang	Review Date	2025. 4. 15
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 (dB)	3D	$\theta = 90^\circ$ (XY Plane)
		2400	2.98	-2.98		
		2410	2.87	-3.02		
		2420	2.39	-3.04		
		2430	1.69	-3.29		
		2440	1.78	-3.26		
		2450	1.7	-3.09		
		2460	1.72	-2.85		
Final Tuning Result		2470	1.69	-2.79	$\phi = 0^\circ$ (XZ Plane)	$\phi = 90^\circ$ (YZ Plane)
		2480	2.06	-2.68		
		2490	2.37	-2.61		
		2500	2.72	-2.55		
		—	—	—		
		MIN	1.69	-3.29		
		MAX	2.98	-2.55		
		AVG	2.18	-2.92		
BLE Passive Test Results						
VNA Data		WiFi Chamber Data				
Original Result of Simulation Setting		Frequency (MHz)	Gain (dBi)	Efficiency (dB)	3D	$\theta = 90^\circ$ (XY Plane)
		2400	3.08	-2.25		
		2410	3.14	-2.2		
		2420	3.02	-2.17		
		2430	2.9	-2.19		
		2440	3.06	-2		
		2450	2.81	-2.12		
		2460	2.48	-2.42		
Final Tuning Result		2470	2.5	-2.35	$\phi = 0^\circ$ (XZ Plane)	$\phi = 90^\circ$ (YZ Plane)
		2480	2.62	-2.22		
		2490	2.36	-2.55		
		2500	2.22	-2.68		
		—	—	—		
		MIN	2.22	-2.68		
		MAX	3.14	-2.00		
		AVG	2.74	-2.29		