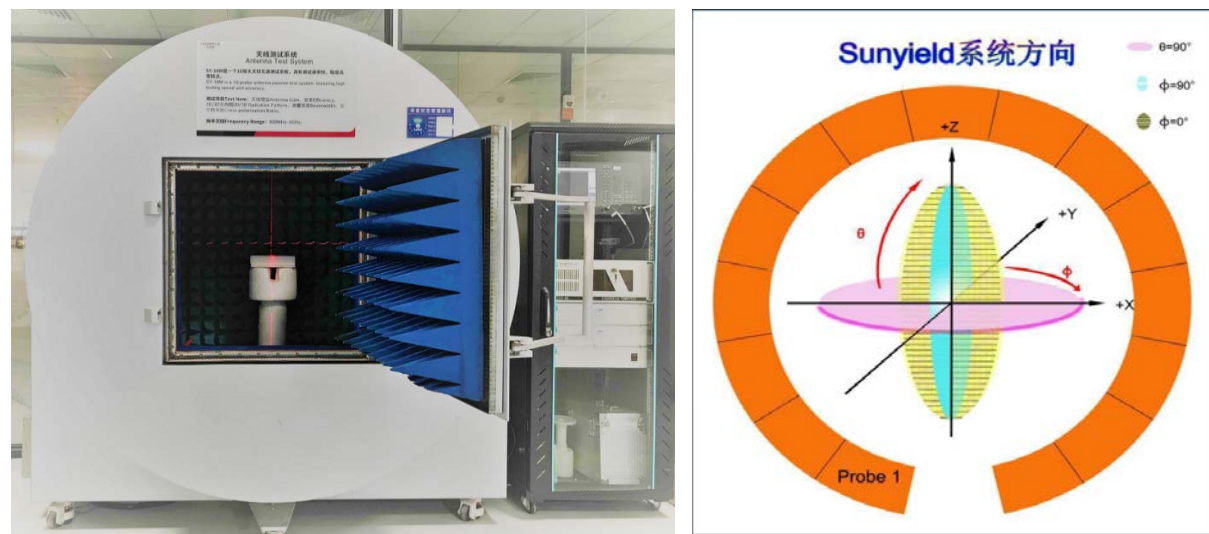
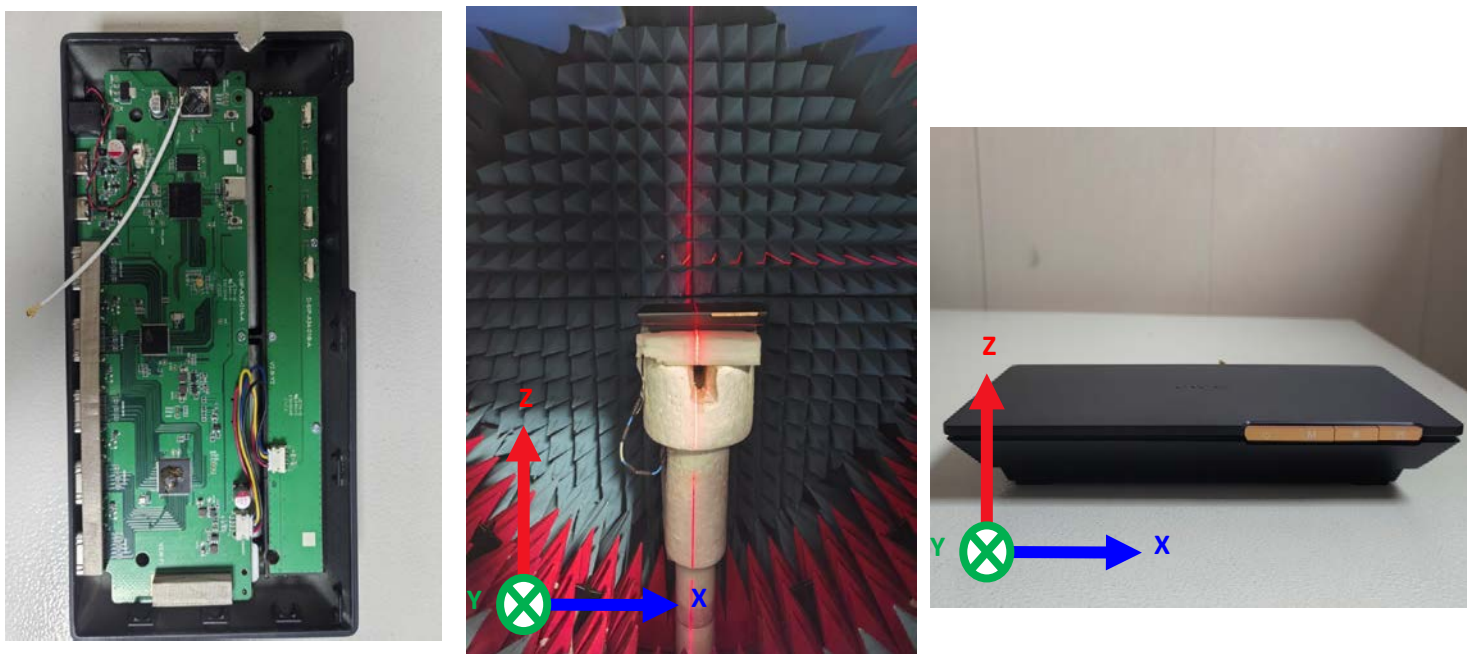
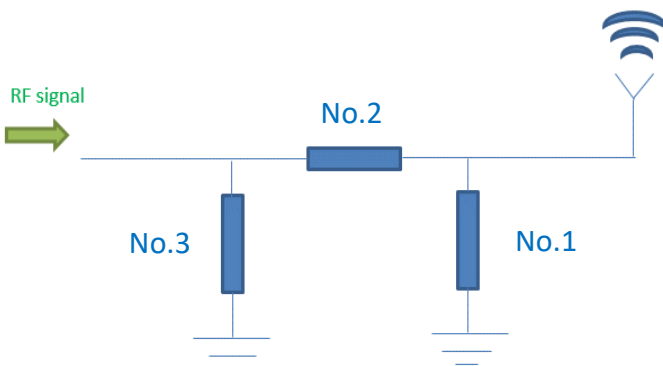
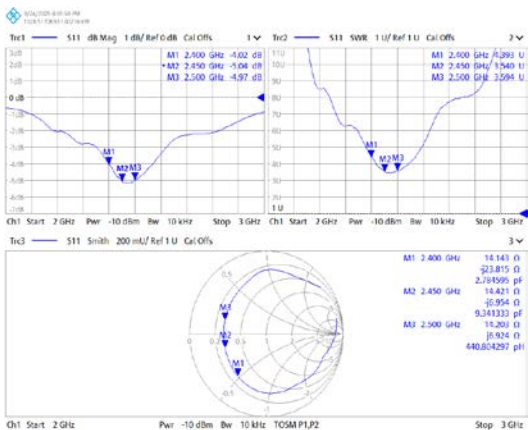
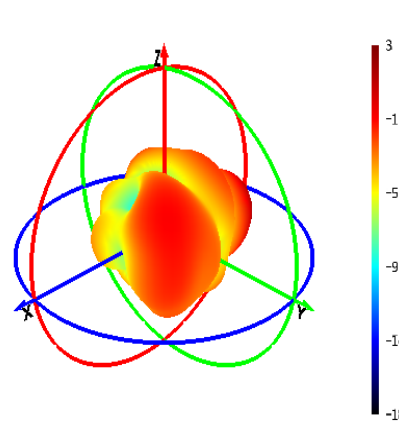
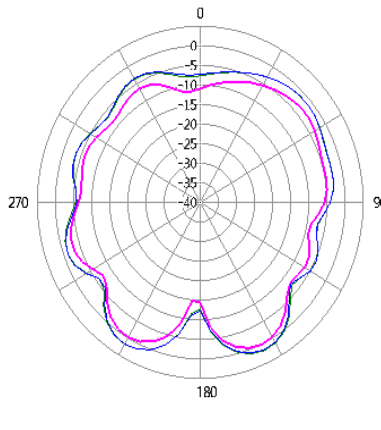
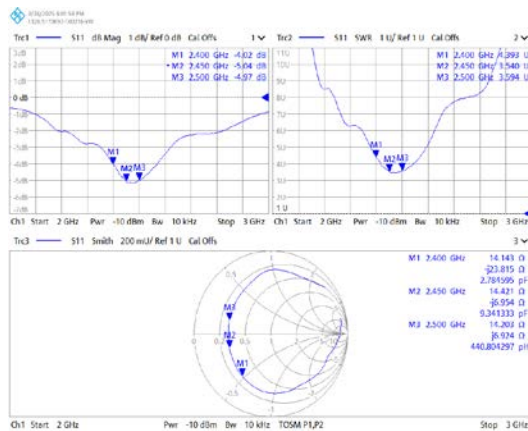
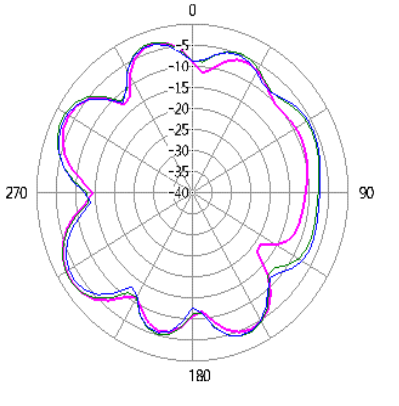
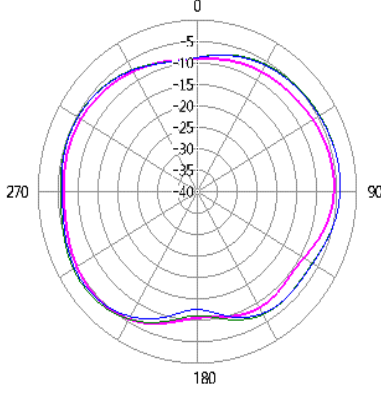


LEEDARSON 立达信		Antenna Test Report		Version: 2024-04-02_V2.3			
Product Information							
Client		ET8 HDMI2.1 TV灯带		Protocol		WIFI+BLE	
Project Number		\		Sample Quantity		1	
Model Number		ESP32-C6-MINI-1 V1.0		PCB Version		D-SIP-A35-01A-A	
Chip Type		ESP32-C6-MINI-1		Structure Version		正式模	
Sample Picutres							
Summary							
No.	Iterms	Remark					
1	<u>Passive Test</u>	/					
2	<u>Rawdata</u>	/					
3	<u>Raw File</u>	/					
Author		Shangqing Wei		Test Date		2025.3.24	
Verifier		Xiaoyong Wang		Review Date		2025.3.24	
Date		Version		Revise Content		Reviser	
2025.3.24		V2.0		Establish Report		Shangqing Wei	

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	模组带天线					
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	0.22	-5.05		
		2410	0.71	-4.68		
		2420	1.21	-4.23		
		2430	1.11	-4.39		
		2440	1.62	-3.99		
		2450	2.14	-3.55		
Final Tuning Result		2460	1.89	-3.84	$\phi = 0^\circ$ (XZ Plane)	$\phi = 90^\circ$ (YZ Plane)
		2470	1.69	-4.08		
		2480	2.07	-3.73		
		2490	1.86	-4.01		
		2500	1.41	-4.49		
		—	—	—		
		MIN	0.22	-5.05		
		MAX	2.14	-3.55		
		AVG	1.45	-4.19		