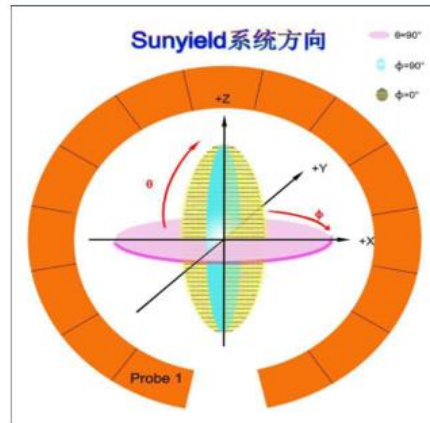
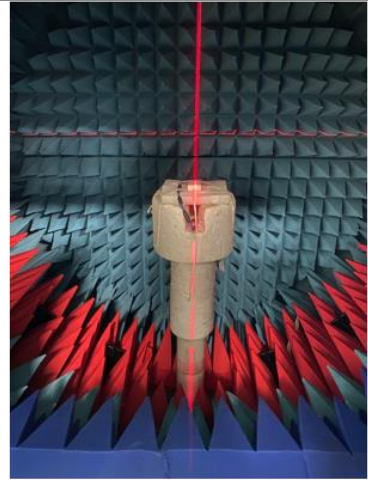
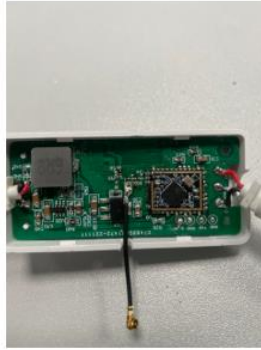
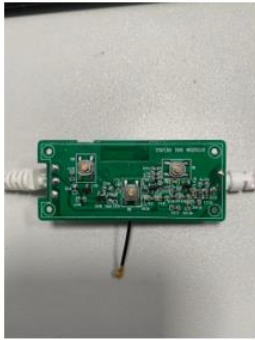


Product Information						
Client	LDS	Protocol		WiFi+BLE		
Project Number	幻影霓虹灯带控制器	Sample Quantity		1		
Model Number		PCB Version				
Chip Type		Structure Version		正式模		
Sample Pictures						
Summary						
No.	Items	Index			Test Result	Conclusion
1	Efficiency (%)	A (≥40%)	B (25%~40%)	C(≤24.99%)	55%	A
2	VSWR	≤2.5			1.96	PASS
3	Distance Test	WiFi 100m	BLE 10M	Zigbee 40M	WiFi 100米 BT 10米	PASS
Author		DeYun Li			Test Date	2022.12.21
Verifier		DeYun Li			Review Date	2022.12.21
Version		V1.0			Revise Content	Reviser

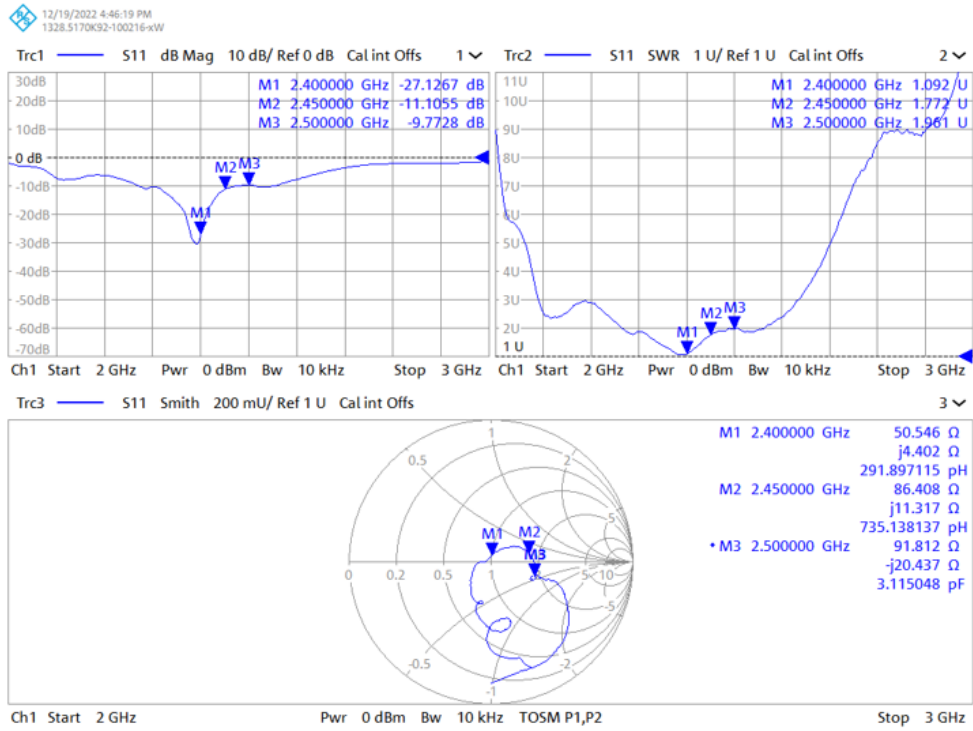
SY-16M Test System



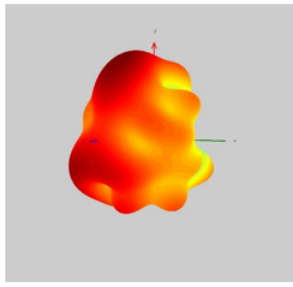
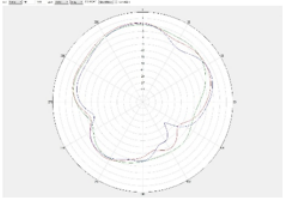
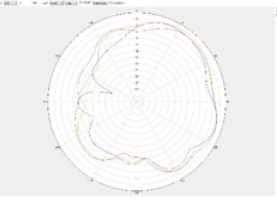
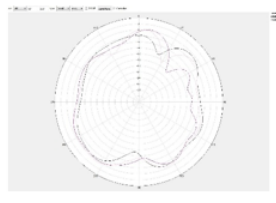
Sample Picture



VNA Data



Chamber Data

Frequency (MHz)	Gain (dBi)	Efficiency (dB)	3D	$\theta = 90^\circ$ (XY Plane)
2400	3.64	-2.34		
2410	4.03	-2.17		
2420	4.10	-2.13		
2430	3.89	-2.33		
2440	3.82	-2.35		
2450	4.11	-2.22		
2460	4.06	-2.25		
2470	3.48	-2.60	$\phi = 0^\circ$ (XZ Plane)	$\phi = 90^\circ$ (YZ Plane)
2480	3.41	-2.53		
2490	3.40	-2.29		
2500	3.20	-2.59		
MIN	3.20	-2.60		
MAX	4.11	-2.13		
AVG	3.74	-2.35		

Manufacturer: Leedarson IoT Technology Inc.

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