LEEDARSON 立达信

Antenna Test Report

Product Information

Client	LDS	Protocol	WiFi+BLE
Project Number	幻彩霓虹灯带控制器	Sample Quantity	1
Model Number		PCB Version	
Chip Type		Structure Version	正式模
Sample Picutres			

Summary

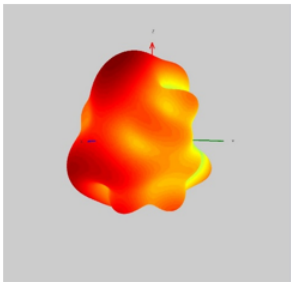| No.	Iterms	Idex			Test Result	Conclusion
1	Efficiency（%）	A（≥40%）	B（25%~40%）	C≤24.99%	55%	A
2	VSWR	≤2.5			1.96	PASS
3	Distance Test	WiFi 100m	BLE 10M	Zigbee 40M	WiFi 100米 BT 10米	PASS
Author	DeYun Li				Test Date	2022.12.21
Verifier	DeYun Li				Review Date	2022.12.21
Version	V1.0				Revise Content	Reviser

SY-16M Test System
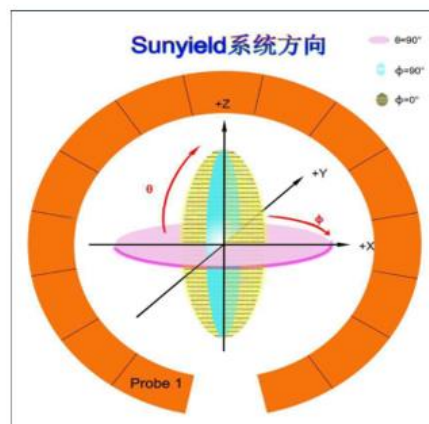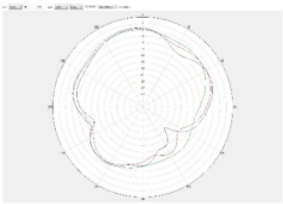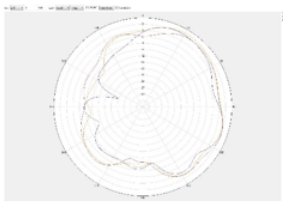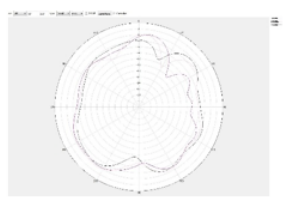
Sample Picture
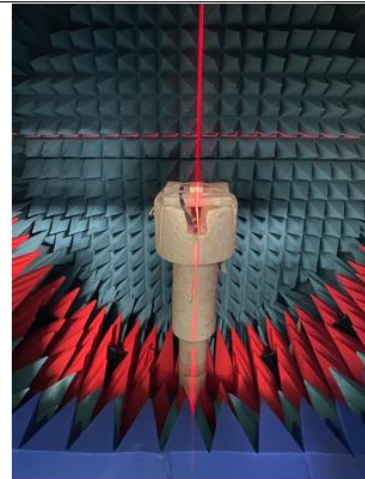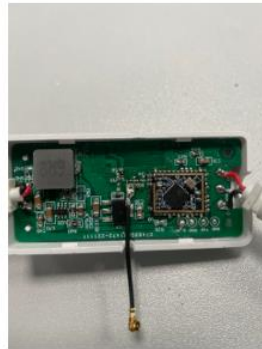
VNA Data
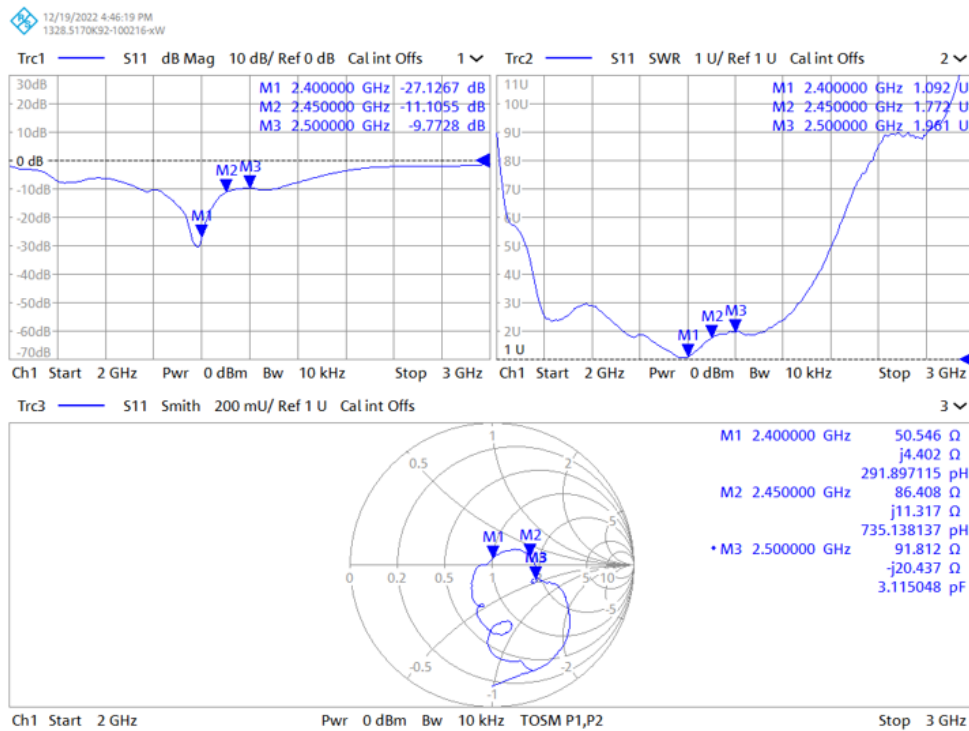
Chamber Data

Frequency (MHz)	Gain (dBi)	Efficiency (dB)	3D	θ = 90° (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	Φ= 0° (XZ Plane)	Φ= 90° (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.
Address: No.1511, 2nd Fanghu North Rd, Huli District, Xiamen, China