



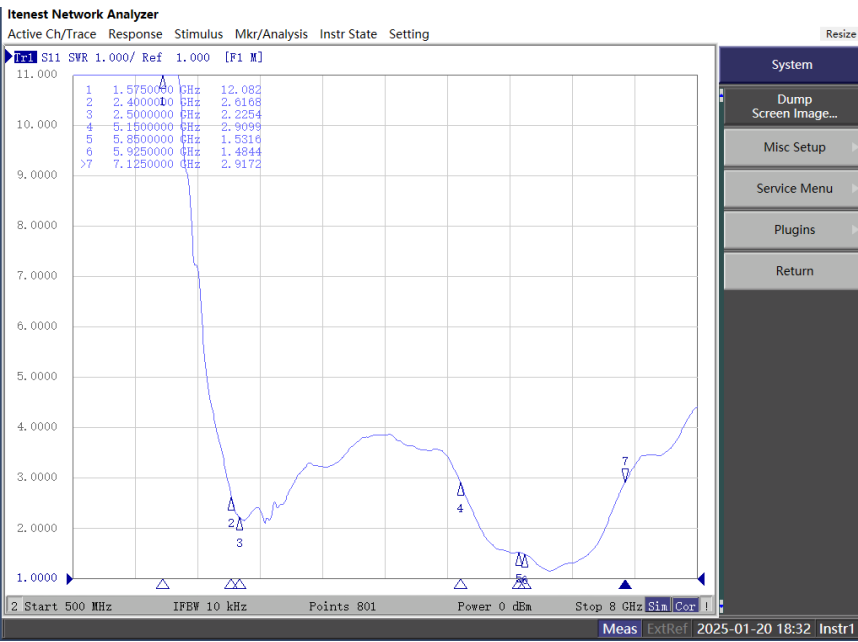
Antenna Passive Test Report

Project Name	80CC	Engineer	Baiyukun	Checker	
HW Version	DVT	Prototype(S/N)		Software Version	
Temperature/Humidity	25°C/50%	Test Equipment	星航暗室	Test Date	2025.06.05
Conclusion:		Remarks			
Standard	Fre(Mhz)	Effi(%) (Min~Max)	Probiem Description and Next Step Plan		
WiFi&BT	WiFi&BT 2.4G	44%-52%			
	WiFi 5G	45%-59%			

Details

Antenna Type	Onboard PCB antenna
Antenna Size	20mm*7mm
Supplier	SUZHOU YLC ELECTRONIC TECHNOLOGY CO.,LTD

S参数 (Return Loss, Smith)

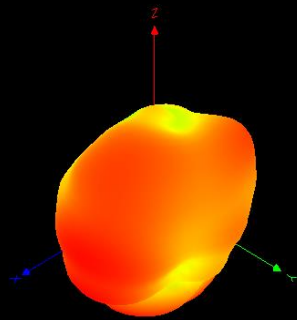


Passive (Efficiency, Gain)

frequency(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	1.4	-3.54	44.26
2410	0.8	-3.08	49.20
2420	2.2	-2.72	53.46
2430	2.2	-2.95	50.70
2440	1.8	-2.97	50.47
2450	2.7	-2.81	52.36
2460	2.0	-3.18	48.08
2470	1.6	-3.28	46.99
2480	2.2	-3.26	47.21
2490	1.7	-3.19	47.97
2500	2.5	-2.91	51.17
5150	1.1	-3.05	49.55
5200	1.1	-2.99	50.23
5250	1.5	-3.30	46.77
5300	1.8	-2.76	52.97
5350	2.5	-2.87	51.64
5400	2.6	-2.83	52.12
5450	2.7	-2.63	54.58
5500	2.6	-2.81	52.36
5550	2.9	-3.40	45.71
5600	3.3	-3.16	48.31
5650	3.3	-2.94	50.82
5700	3.0	-3.37	46.03
5750	3.2	-2.93	50.93
5800	3.5	-2.47	56.62
5850	3.1	-2.26	59.43

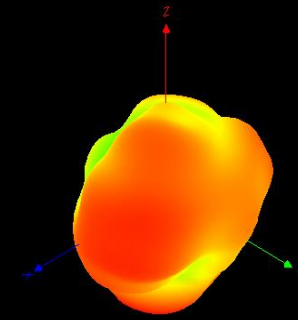
WIFI ANT 3D Pattern

Freq:2400MHz



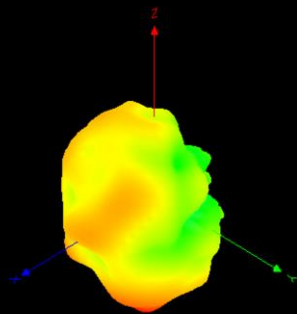
1.38
-1.22
-3.83
-6.43
-9.04
-11.64
-14.25
-16.85
-19.46
-22.06
-24.67
-27.27

Freq:2500MHz



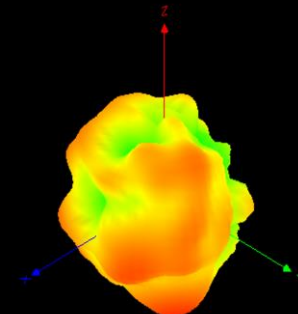
2.46
0.11
-2.25
-4.60
-6.95
-9.31
-11.66
-14.02
-16.37
-18.72
-21.08
-23.43

Freq:5150MHz



1.07
0.43
-0.81
-4.06
-7.30
-10.54
-13.78
-17.02
-20.26
-23.51
-26.75
-29.99

Freq:5850MHz



3.09
1.64
-0.82
-3.27
-5.72
-8.17
-10.63
-13.08
-15.53
-17.98
-20.44
-22.89