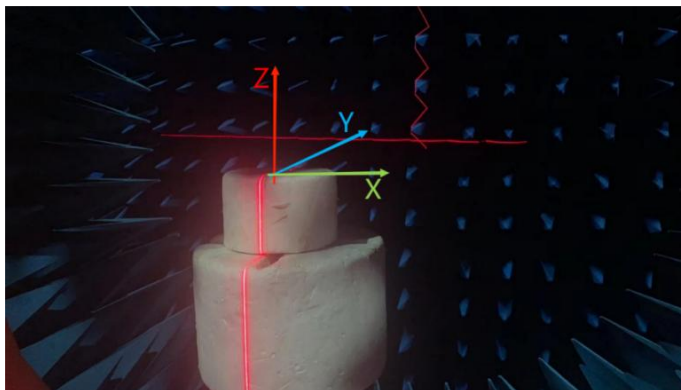
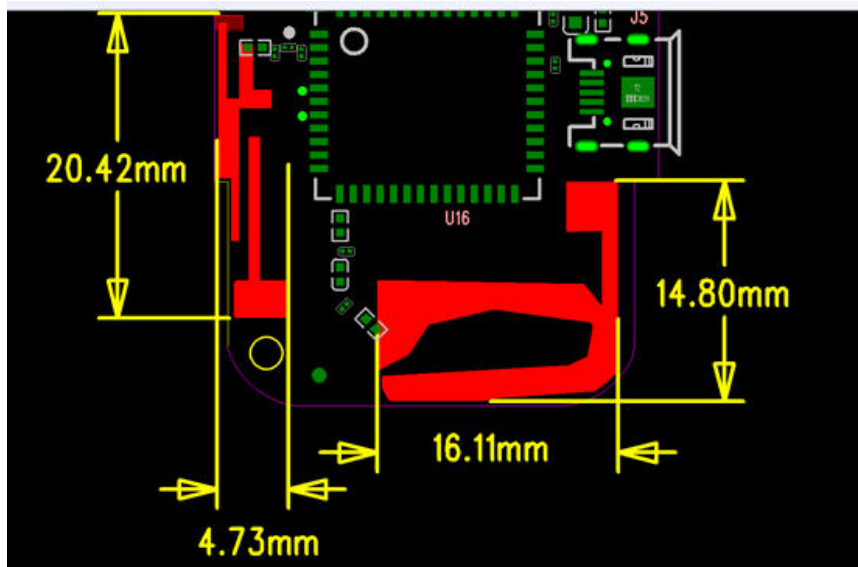


Antenna specification

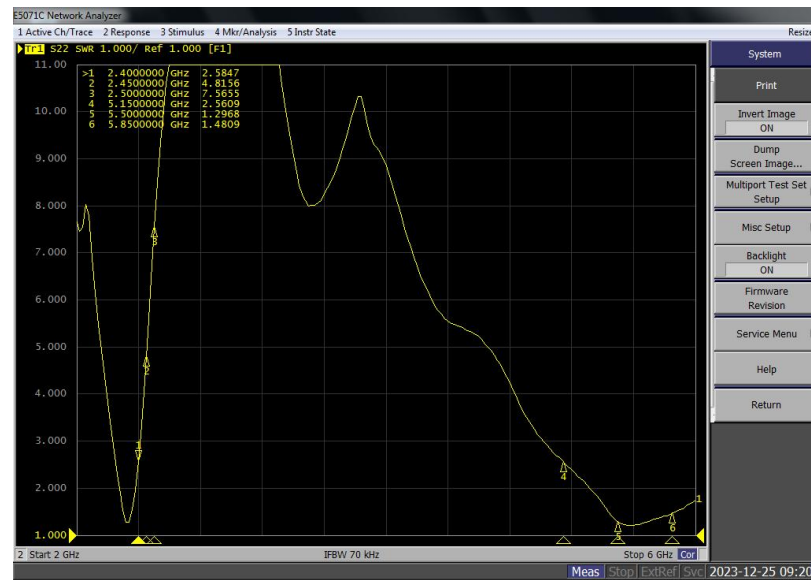
Model: JLPCBBANZAI308

1. Antenna size and Test environment diagram



2. antenna standing wave ratio

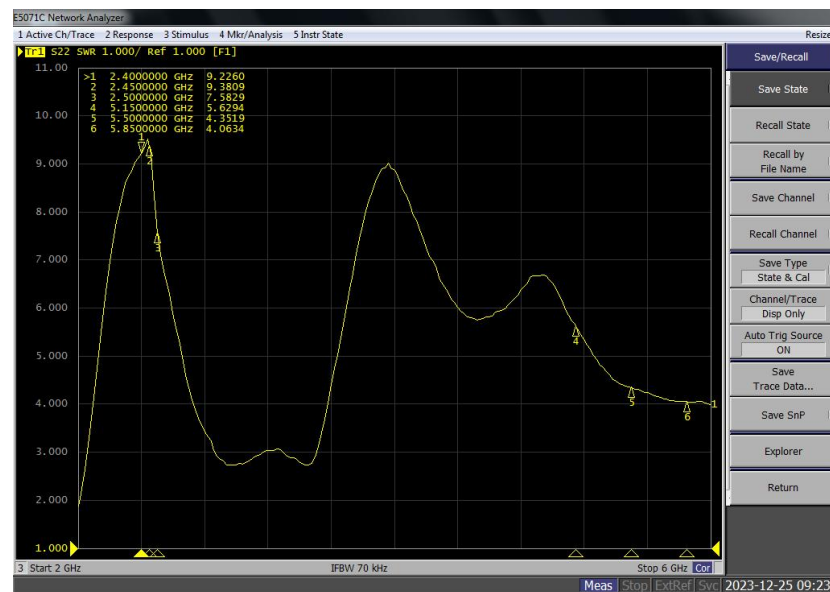
ANT1



V.S.W.R

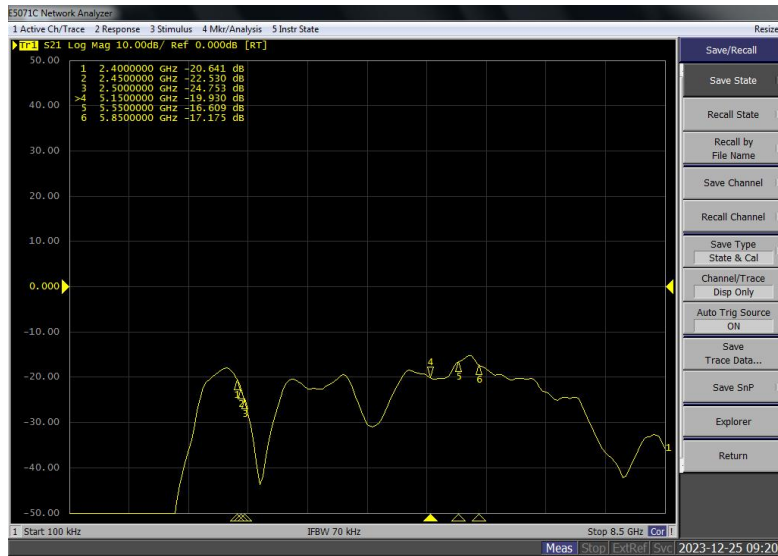
Freq/GHz	2.4	2.45	2.5	5.15	5.5	5.85
VSWR	2.5	4.8	7.5	2.5	1.2	1.4

ANT2



V.S.W.R

Freq/GHz	2.4	2.45	2.5	5.15	5.5	5.85
VSWR	9.2	9.3	7.5	5.6	4.3	4.0



隔离度

Freq/GHz	2.4	2.45	2.5	5.15	5.5	5.85
VSWR	-20.6	-22.5	-24.7	-19.9	-16.6	-17.1

3. Passive efficiency

ANT1

Gain&Efficiency						
增益和效率						
frequency 频率(MHz)	gain 增益(dBi)	mingain 最小增益 (dBi)	CP Gain 交叉极化 最大增益 (dBi)	CO Gain 主极化最 大增益 (dBi)	efficiency 效率(dB)	efficiency 效率(%)
2400	-2.2	-20.74	0	0	-5.44	28.55
2410	-2.31	-20.08	0	0	-5.57	27.72
2420	-2.67	-19.64	0	0	-5.85	25.99
2430	-3	-20.17	0	0	-6.14	24.33
2440	-3.28	-19.07	0	0	-6.32	23.32
2450	-3.49	-19.82	0	0	-6.47	22.56
2460	-3.67	-20.99	0	0	-6.59	21.91
2470	-4.01	-20.84	0	0	-6.89	20.47
2480	-4.35	-22.49	0	0	-7.21	19.02
2490	-4.87	-22.14	0	0	-7.71	16.93

2500	-5.57	-23.38	0	0	-8.48	14.19
Gain&Efficiency 增益和效率						
frequency 频率(MHz)	gain 增益(dBi)	mingain 最小增益 (dBi)	CP Gain 交叉极化 最大增益 (dBi)	CO Gain 主极化最 大增益 (dBi)	efficiency 效率(dB)	efficiency 效率(%)
5150	0.12	-26.45	0	0	-3.03	49.76
5200	-0.12	-33.97	0	0	-3.06	49.43
5250	0.08	-32.31	0	0	-2.88	51.48
5300	0.07	-27.6	0	0	-2.82	52.23
5350	0.12	-28.03	0	0	-2.77	52.88
5400	0.25	-27.95	0	0	-2.69	53.84
5450	0.28	-31.56	0	0	-2.69	53.8
5500	0.29	-27.15	0	0	-2.69	53.78
5550	0.29	-27.58	0	0	-2.76	52.97
5600	0.39	-27.08	0	0	-2.72	53.45
5650	0.57	-27.72	0	0	-2.68	53.99
5700	0.66	-26.05	0	0	-2.71	53.6
5750	0.72	-28.01	0	0	-2.80	52.45
5800	0.99	-30.41	0	0	-2.76	52.96
5850	0.73	-28.14	0	0	-3.13	48.6

ANT2

Gain&Efficiency 增益和效率						
frequency 频率(MHz)	gain 增益(dBi)	mingain 最小增益 (dBi)	CP Gain 交叉极化 最大增益 (dBi)	CO Gain 主极化最 大增益 (dBi)	efficiency 效率(dB)	efficiency 效率(%)
2400	-4.44	-25.78	0	0	-9.45	11.36
2410	-3.75	-25.92	0	0	-8.75	13.35
2420	-3.42	-25.87	0	0	-8.33	14.68
2430	-3.07	-27.33	0	0	-7.95	16.03

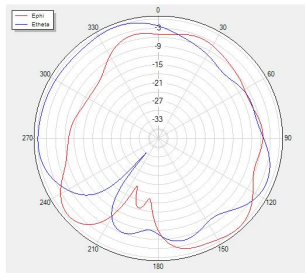
2440	-2.7	-26.36	0	0	-7.53	17.68
2450	-2.3	-28.13	0	0	-7.09	19.54
2460	-1.91	-27.35	0	0	-6.69	21.43
2470	-1.72	-27.79	0	0	-6.46	22.58
2480	-1.6	-28.96	0	0	-6.24	23.75
2490	-1.68	-27.73	0	0	-6.24	23.76
2500	-2.1	-27.95	0	0	-6.43	22.73

Gain&Efficiency 增益和效率						
frequency 频率(MHz)	gain 增益(dBi)	mingain 最小增益 (dBi)	CP Gain 交叉极化 最大增益 (dBi)	CO Gain 主极化最 大增益 (dBi)	efficiency 效率(dB)	efficiency 效率(%)
5150	-3.93	-28.84	0	0	-4.91	32.32
5200	-3.86	-30.28	0	0	-4.83	32.91
5250	-3.92	-28.93	0	0	-4.85	32.73
5300	-3.78	-31.57	0	0	-4.78	33.27
5350	-3.98	-35.89	0	0	-4.86	32.68
5400	-4.11	-36.02	0	0	-4.87	32.55
5450	-3.72	-28.45	0	0	-4.68	34.03
5500	-3.65	-25.79	0	0	-4.64	34.33
5550	-3.85	-22.93	0	0	-4.74	33.59
5600	-3.55	-25.36	0	0	-4.62	34.5
5650	-2.94	-26.63	0	0	-4.34	36.85
5700	-2.96	-23.99	0	0	-4.35	36.75
5750	-3.01	-25.22	0	0	-4.44	35.97
5800	-2.53	-33.09	0	0	-4.22	37.84
5850	-3.55	-35.73	0	0	-4.88	32.54

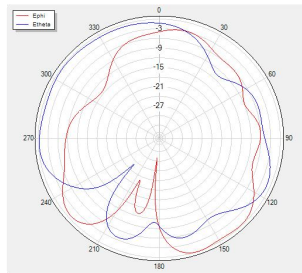
4. 2D3D directional diagram

ANT1

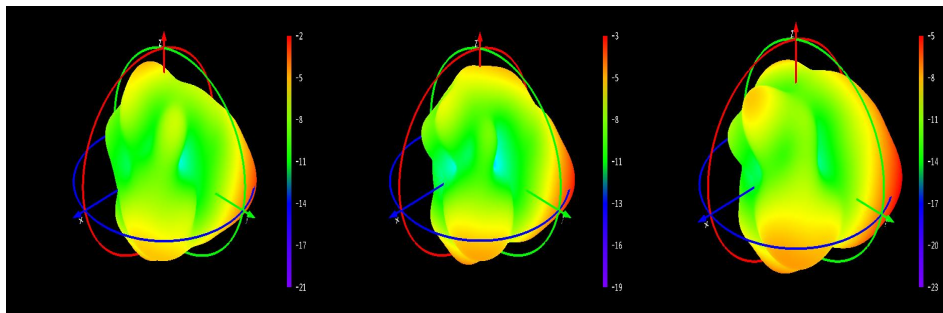
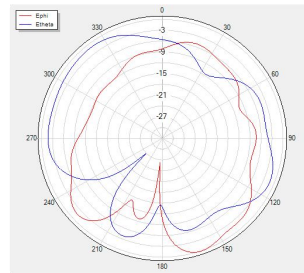
Phi=90 freq=2400MHz



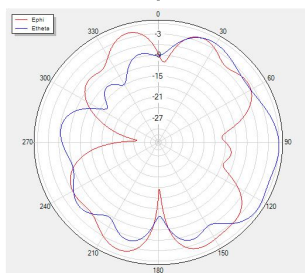
Phi=90 freq=2450MHz



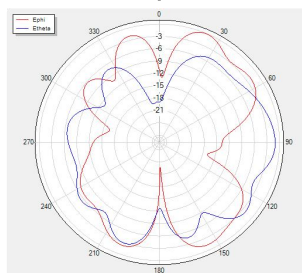
Phi=90 freq=2500MHz



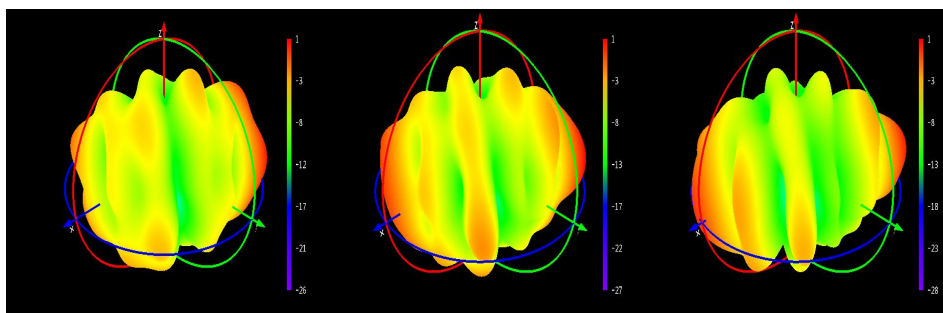
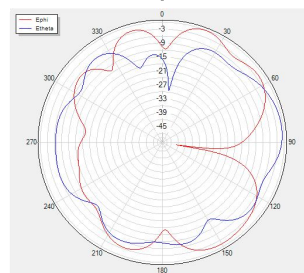
Phi=90 freq=5150MHz



Phi=90 freq=5500MHz

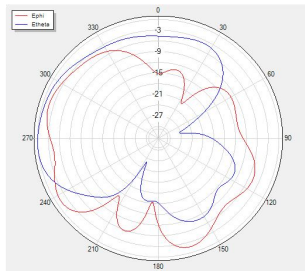


Phi=90 freq=5850MHz

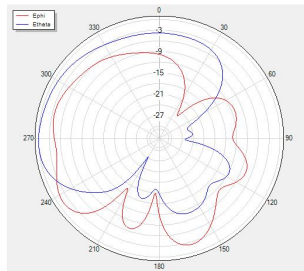


ANT2

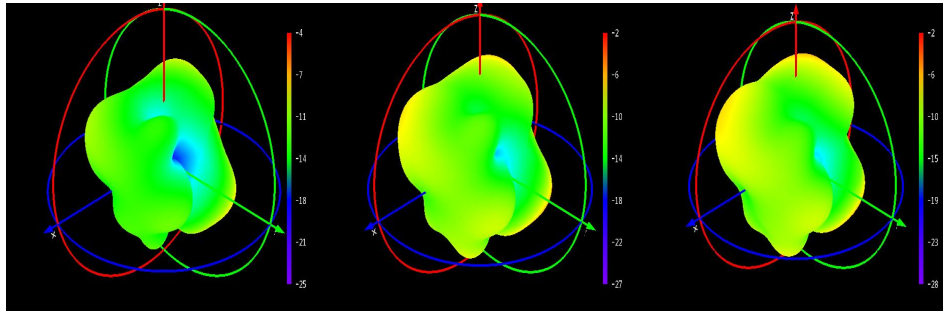
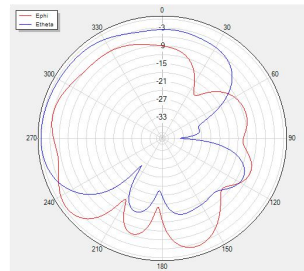
Phi=90 freq=2400MHz



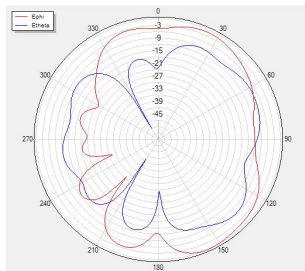
Phi=90 freq=2450MHz



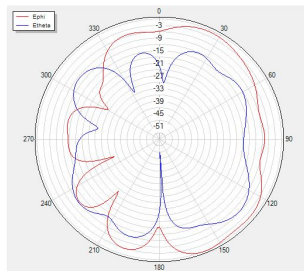
Phi=90 freq=2500MHz



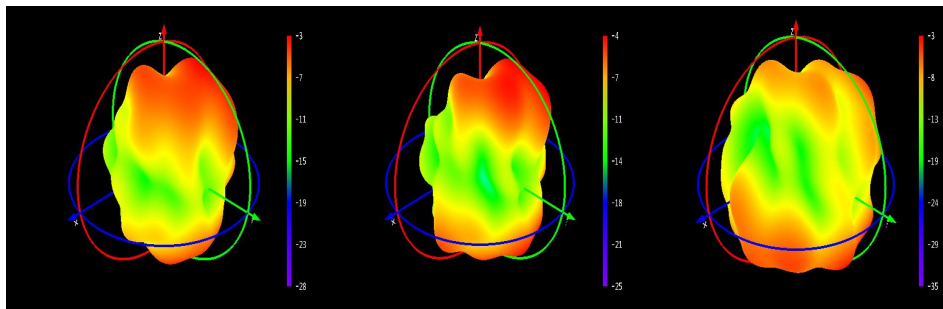
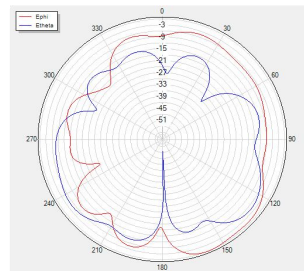
Phi=90 freq=5150MHz



Phi=90 freq=5500MHz



Phi=90 freq=5850MHz



5. Active data

Test	Wifi 2G TRP				Test	Wifi 2G TIS		
CH	1	6	13		CH	1	6	13
Frequency (MHz)	2412	2437	2472		Frequency (MHz)	2412	2437	2472
TRP(dBm)	8.98	7.83	6.3		TIS(dBm)	-79.22		

Test mode: 802.11a 54Mbps BW 20M

Test	Wifi 5G TRP				Test	Wifi 5G TIS		
CH	36	100	165		CH	36	100	165
Frequency (MHz)	5180	5500	5825		Frequency (MHz)	5180	5500	5825
TRP(dBm)	10.06	12.49	16.06		TIS(dBm)	-77.75		

深圳市万物相连通讯有限公司
 Camelot Electronic Technology Co.,ltd
 2023.12.25