

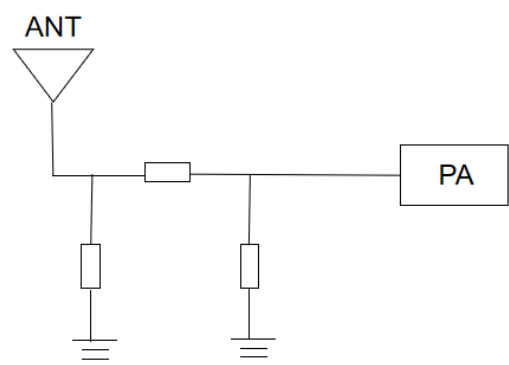
Shenzhen Qianmu Communication Technology Co., LTD

Antenna Acknowledgement

Applicable model	K230		
client			
Specifications			
	Product content	Specifications	Customer Material Code
Specifications	WIFI antenna	FPC/Black/XY01-WIFI	
Change resume			
Order number	Date	Edition	Edit content summary
1	2025-09-22	V.0	New project
2			
3			

Supplier sample confirmation					
Research and development	Structure	Examine and verify	Judge		
			PASS ☒ FAIL ☐		
Customer sample confirmation					
Electron	Structure	Project	Purchase	Character	Examine and verify
Reason for rejection or other notes:					

1、 Match circuit-main antenna

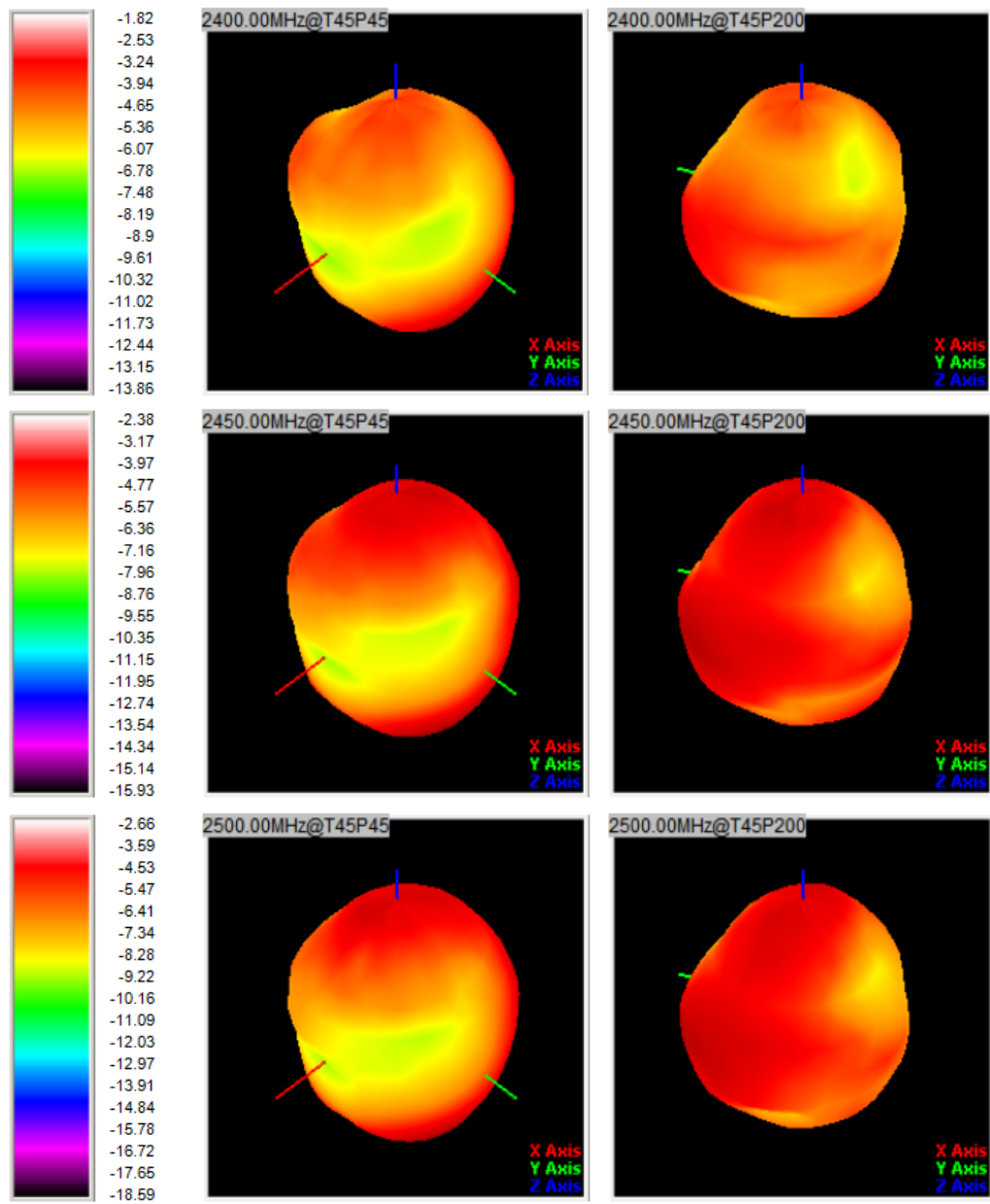


No changes have been made to your original matching circuit

2、 WIFI antenna efficiency and gain

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Ant. Port Input Pwr. (dBm)	0	0	0	0	0	0	0	0	0	0	0
Tot. Rad. Pwr. (dBm)	-6.22	-6.36	-6.3	-6.15	-6.19	-6.25	-6.26	-6.23	-6.34	-6.39	-6.5
Peak EIRP (dBm)	-1.82	-1.85	-2.06	-2	-2.39	-2.38	-2.37	-2.44	-2.29	-2.41	-2.66
Directivity (dBi)	4.4	4.51	4.24	4.15	3.8	3.88	3.89	3.79	4.04	3.98	3.85
Efficiency (dB)	-6.22	-6.36	-6.3	-6.15	-6.19	-6.25	-6.26	-6.23	-6.34	-6.39	-6.5
Efficiency (%)	23.9	23.1	23.4	24.3	24	23.7	23.7	23.8	23.3	22.9	22.4
Gain (dBi)	-1.82	-1.85	-2.06	-2	-2.39	-2.38	-2.37	-2.44	-2.29	-2.41	-2.66
NHPRP ± Pi/4 (dBm)	-7.48	-7.62	-7.6	-7.47	-7.54	-7.63	-7.65	-7.63	-7.73	-7.8	-7.93
NHPRP ± Pi/6 (dBm)	-9.07	-9.21	-9.17	-9.02	-9.07	-9.16	-9.2	-9.14	-9.25	-9.31	-9.45
NHPRP ± Pi/8 (dBm)	-10.35	-10.5	-10.46	-10.28	-10.3	-10.38	-10.43	-10.34	-10.48	-10.56	-10.72
Upper Hem. PRP (dBm)	-9.44	-9.52	-9.4	-9.23	-9.22	-9.25	-9.25	-9.19	-9.32	-9.34	-9.4
Lower Hem. PRP (dBm)	-9.03	-9.22	-9.23	-9.09	-9.19	-9.28	-9.28	-9.28	-9.37	-9.47	-9.63
Upper Hem. PRP (%)	11.39	11.17	11.49	11.93	11.98	11.88	11.88	12.04	11.7	11.65	11.47
Lower Hem. PRP (%)	12.49	11.96	11.95	12.34	12.06	11.81	11.79	11.8	11.55	11.29	10.89

3. Antenna pattern



Antenna picture

