

深圳市千目通讯科技有限公司

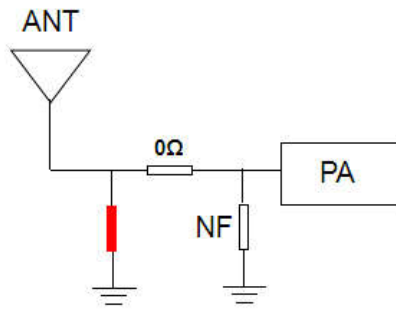
Shenzhen Qianmu Communication Technology Co.,Ltd.

Antenna acknowledgement

Applicable model	AT81K-WiFi6		
client	Shenzhen peicheng technology co., ltd		
Specification description			
	Product content	specifications	Customer material code
Specification description	WIFI antenna	FPC/ Black/Character QM-AT81K-V1.1+ Third-generation terminal wire $\phi 0.81*102$ mm (medium stripping)+conductive cloth	AT81KG006
Change resume			
serial number	date	version	Brief description of changes
one	2023-01-22	V1.0	New project
2			
three			

Supplier sample confirmation					
research and development	structure	check	decide		
			PASS FAIL		
Customer sample confirmation					
electron	structure	project	purchase	quality	check
Reasons for rejection or other precautions:					

1. Matching circuit -WIFI antenna



The original matching circuit has not changed.

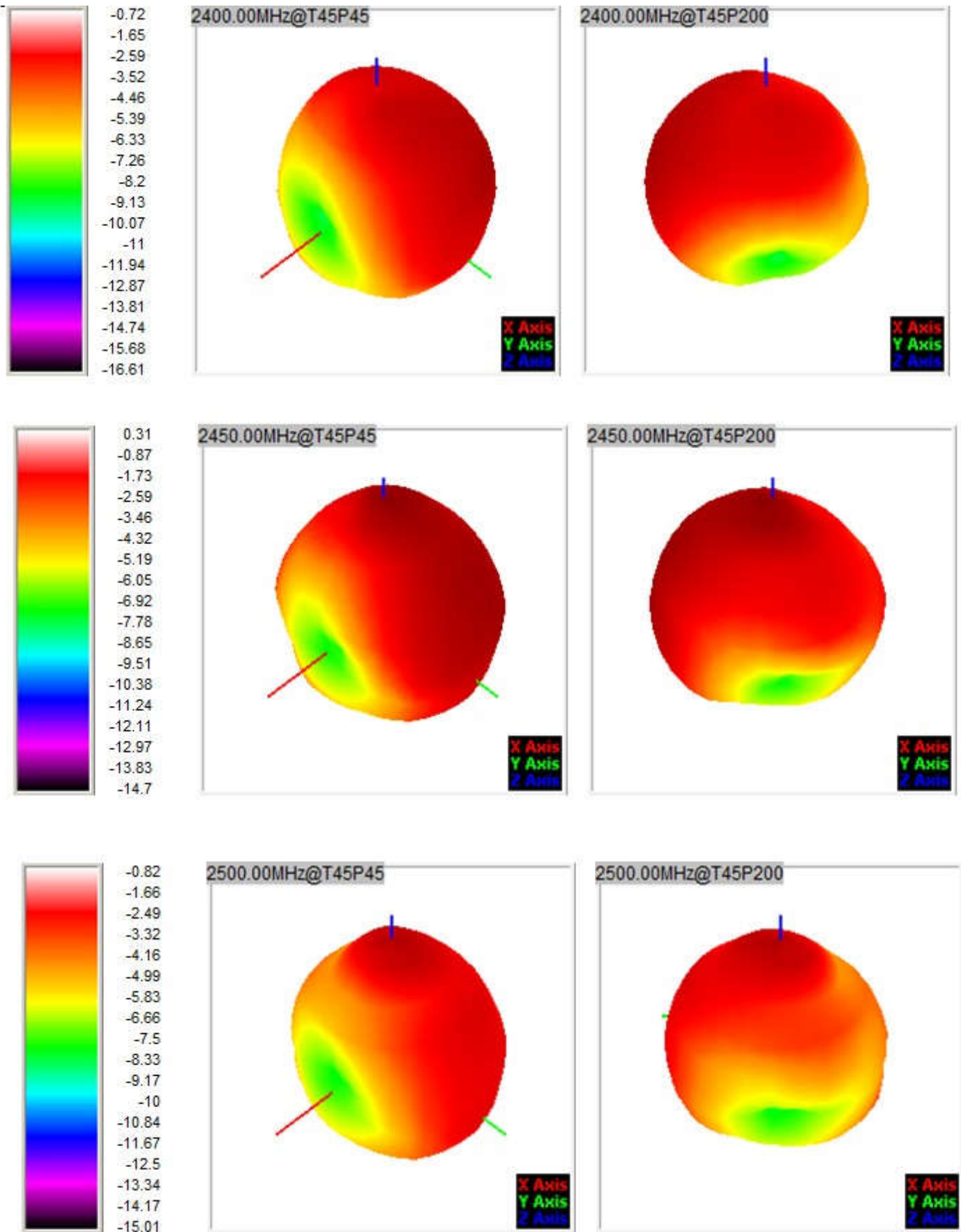
2. Active data

	WIFI2400~2500Mz 802.11b 11Mbps		
Channel	one	six	11
TRP	15.74	15.63	15.57
TIS	-81.57	-81.45	-81.33

3. Antenna gain efficiency

FETUKEJI											
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Point Values											
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-4.97	-4.85	-4.67	-4.38	-4.28	-4.05	-4.27	-4.71	-4.90	-5.00	-5.14
Peak EIRP (dBm)	-0.72	-0.59	-0.50	0.03	0.11	0.31	0.12	-0.28	-0.64	-0.81	-0.82
Directivity (dBi)	4.25	4.27	4.18	4.03	3.78	4.05	4.37	4.43	4.26	4.19	4.32
Efficiency (dB)	-4.97	-4.85	-4.67	-4.38	-4.28	-4.05	-4.27	-4.71	-4.90	-5.00	-5.14
Efficiency (%)	31.90	32.70	34.10	36.50	37.30	39.30	37.40	33.80	32.40	31.60	30.60
Gain (dBi)	-0.72	-0.59	-0.50	0.03	0.11	0.31	0.12	-0.28	-0.64	-0.81	-0.82
NHPRP ±Pi/4 (dBm)	-6.86	-6.72	-6.52	-6.23	-6.15	-5.94	-6.18	-6.61	-6.78	-6.86	-6.99
NHPRP ±Pi/6 (dBm)	-8.55	-8.38	-8.16	-7.84	-7.76	-7.57	-7.82	-8.26	-8.44	-8.50	-8.63
NHPRP ±Pi/8 (dBm)	-9.80	-9.63	-9.40	-9.06	-8.97	-8.77	-9.02	-9.47	-9.65	-9.71	-9.81
Upper Hem. PRP (dBm)	-6.85	-6.75	-6.59	-6.34	-6.30	-6.14	-6.43	-6.94	-7.19	-7.36	-7.57
Lower Hem. PRP (dBm)	-9.51	-9.37	-9.14	-8.78	-8.59	-8.24	-8.34	-8.68	-8.78	-8.77	-8.83
Upper Hem. PRP (%)	20.67	21.14	21.92	23.24	23.45	24.35	22.74	20.24	19.09	18.35	17.49
Lower Hem. PRP (%)	11.18	11.55	12.19	13.25	13.84	15.00	14.64	13.56	13.26	13.29	13.10

4、Apple map

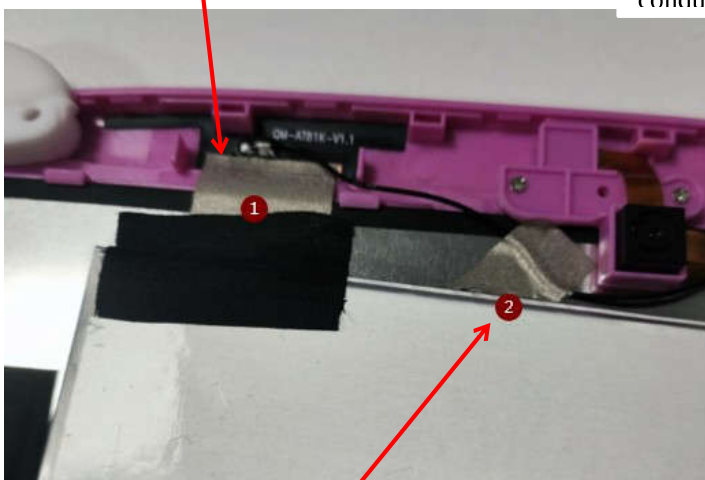


5、 Antenna measurement



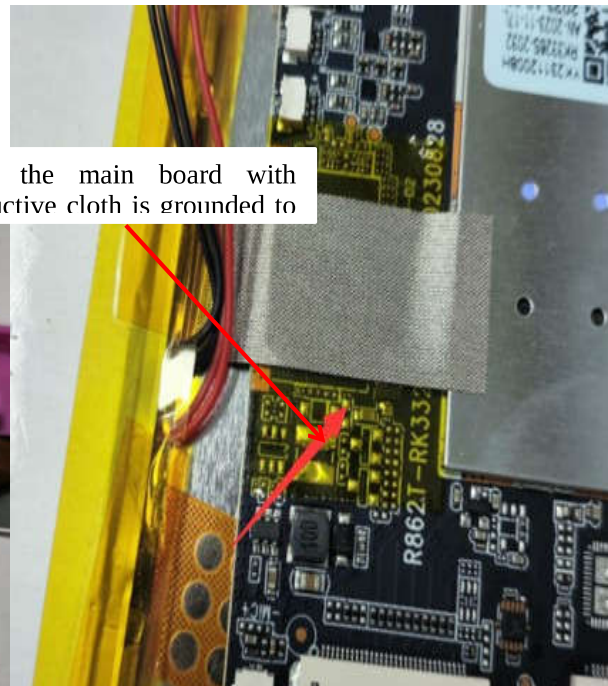
6、 Environmental treatment

1, antenna copper leakage area with conductive cloth and screen



Conductive cloth is attached to the stripping area of coaxial line and

Here, the main board with conductive cloth is grounded to



7、 structural drawings

