

Shenzhen qianmu

communication technology co.,

ltd

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Antenna sample acceptance letter

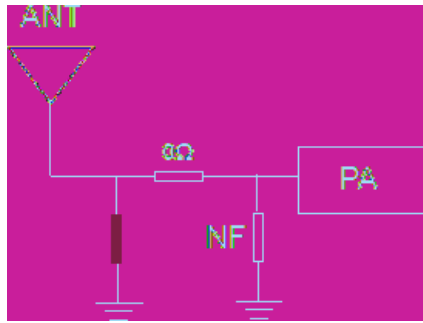
Applicable model	CP81S		
client	Shenzhen peicheng technology co., ltd		
Specification description			
	Product content	specifications	Customer material code
Specification description	WIFI antenna	FPC/ Black/Character QM-CP81S-RK3326S-V1.0 Axis 0.81mm* 180mm±2 with third-generation terminals, FPC with conductive cloth.	CP81S
Change resume			
serial number	date	version	Brief description of changes
one	2023-04-26	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:					

Contact: Wang Zhiqiang Contact: 13760153961 Tel: 0755-2163653 Fax: 0755-2163541 No.425 and 443, Floor 4, Huafeng Zhigu-Hangcheng High-tech Industrial Park, Sanwei Community Aviation Road, Hangcheng Street, Baoan District, Shenzhen.

1、匹配电路-WIFI 天线



The original matching circuit is unchanged.

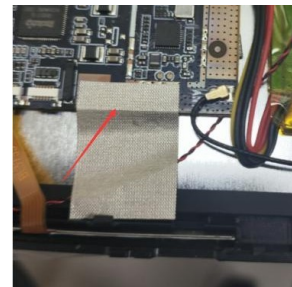
2. Active test data

	WIFI2400~2500Mz 802.11b 11Mbps		
Channel	one	six	11
TRP	16.27	16.39	16.44
TIS	-78.69	-80.12	-81.44

3. Environmental treatment



Here, the conductor cloth is attached to shield the flat cable below, and the copper leakage area of the antenna is grounded by the conductor cloth.

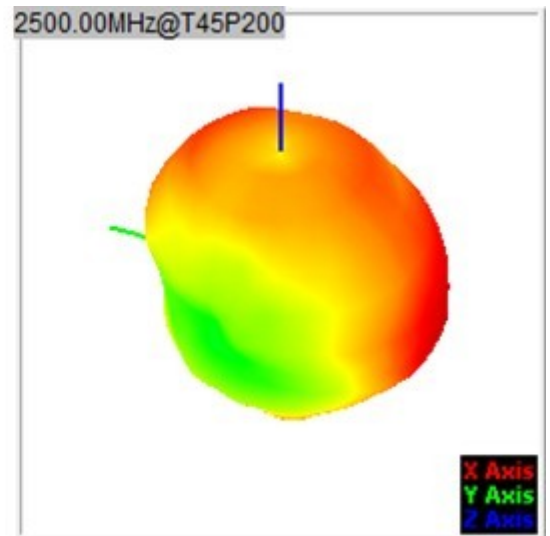
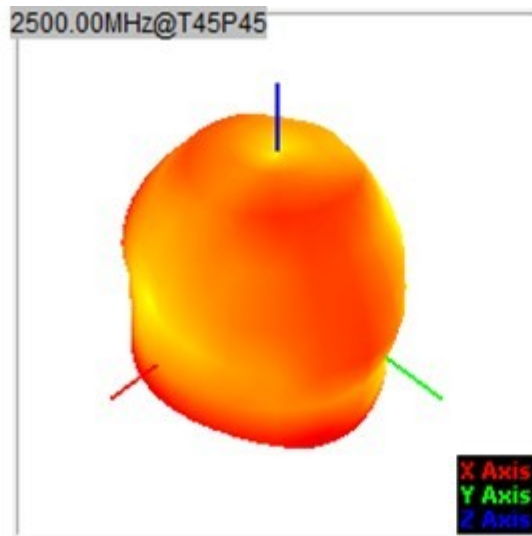
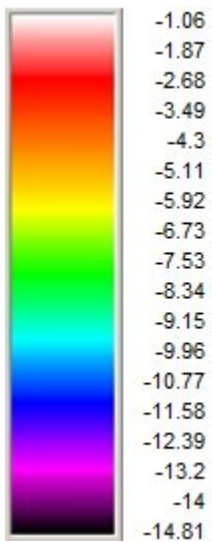
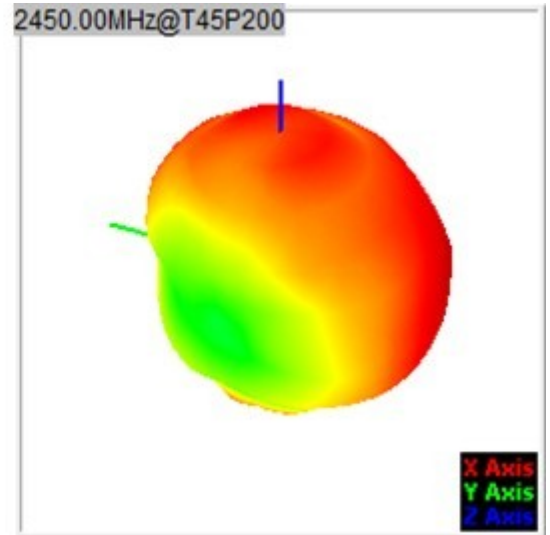
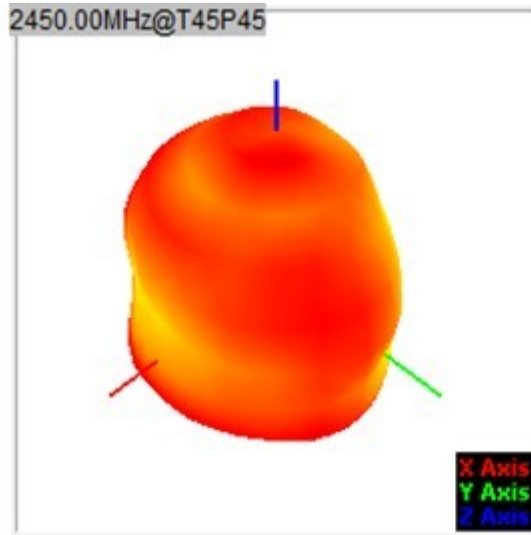
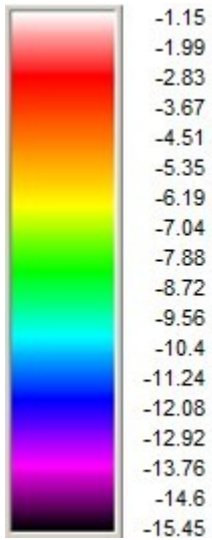
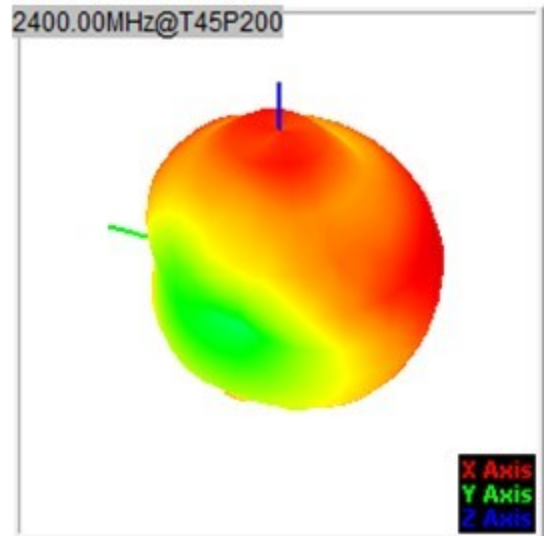
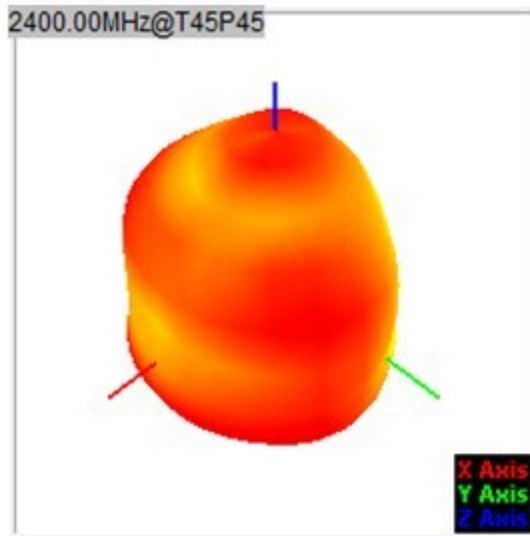
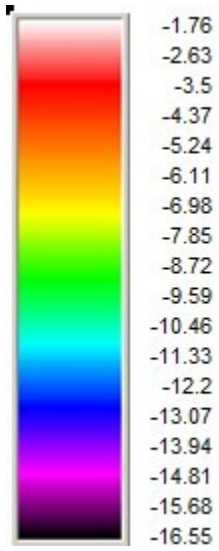


Here, the main board with conductor cloth is grounded to the screen.

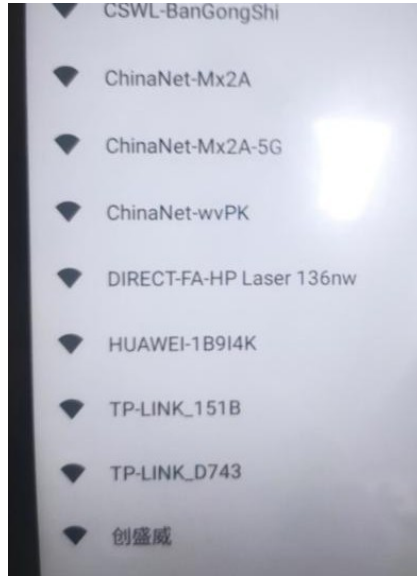
4. Passive efficiency and gain of WiFi

FEITUKEJI											
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)	-5.17	-5.23	-5.25	-5.03	-5.03	-4.77	-4.95	-5.25	-5.27	-5.15	-5.11
Peak EIRP (dBm)	-1.76	-1.80	-1.72	-1.42	-1.38	-1.15	-1.33	-1.37	-1.20	-1.04	-1.06
Directivity (dBi)	3.41	3.44	3.53	3.62	3.65	3.62	3.62	3.89	4.07	4.11	4.05
Efficiency (dB)	-5.17	-5.23	-5.25	-5.03	-5.03	-4.77	-4.95	-5.25	-5.27	-5.15	-5.11
Efficiency (%)	30.40	30.00	29.90	31.40	31.40	33.40	32.00	29.80	29.70	30.60	30.80
Gain (dBi)	-1.76	-1.80	-1.72	-1.42	-1.38	-1.15	-1.33	-1.37	-1.20	-1.04	-1.06
NHPRP ±Pi/4 (dBm)	-6.84	-6.96	-7.02	-6.84	-6.86	-6.58	-6.74	-7.03	-7.05	-6.92	-6.87
NHPRP ±Pi/6 (dBm)	-8.50	-8.66	-8.75	-8.56	-8.54	-8.21	-8.32	-8.59	-8.60	-8.47	-8.43
NHPRP ±Pi/8 (dBm)	-9.84	-10.02	-10.12	-9.91	-9.83	-9.44	-9.51	-9.74	-9.76	-9.65	-9.63
Upper Hem. PRP (dBm)	-8.33	-8.36	-8.39	-8.24	-8.30	-8.07	-8.33	-8.72	-8.81	-8.70	-8.60
Lower Hem. PRP (dBm)	-8.04	-8.13	-8.13	-7.86	-7.80	-7.50	-7.62	-7.85	-7.81	-7.67	-7.69
Upper Hem. PRP (%)	14.69	14.58	14.49	15.01	14.78	15.58	14.71	13.43	13.14	13.48	13.81
Lower Hem. PRP (%)	15.71	15.39	15.39	16.36	16.59	17.77	17.30	16.40	16.55	17.10	17.01

方向



6 天线守洞



7, structural drawings

