

Shenzhen Qianmu Communication Technology Co., LTD

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Antenna sample admission letter

Applicable model	E-PAD		
client	Zhi hui gen		
Specification description			
	Product content	specifications	Customer material code
Specification description	WIFI antenna	FPC / Black / Character E-PAD-WIFI-V1.3+ Generation Terminal 1.13 * 60mm	/
Change the resume			
order number	date	edition	Change the content brief
1	2024-03-18	V1.0	New projects
2			
3			

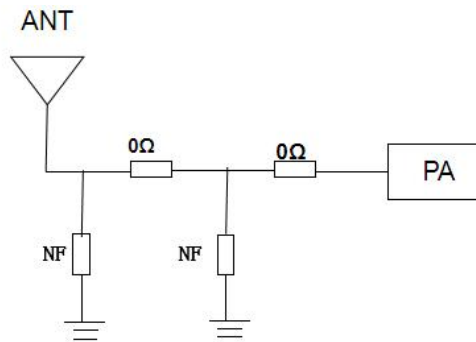
Supplier Sample Confirmation			
research and development	structure	examine and verify	judge

Contact person: Wang Zhiqiang Contact information: 13760153961 Tel: 0755-21633653 Fax: 0755-21633541
No.425,443,4 / F, Building A, Huafeng Zhigu-Hangcheng High-tech Industrial Park, Aviation Road, Sanwei
Community, Hangcheng Street, Bao'an District, Shenzhen

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					PASS <input checked="" type="checkbox"/> FAIL <input type="checkbox"/>
Customer sample confirmation					
electron	structure	project	purchase	character	examine and verify
Reason for rejection or other precautions: 					

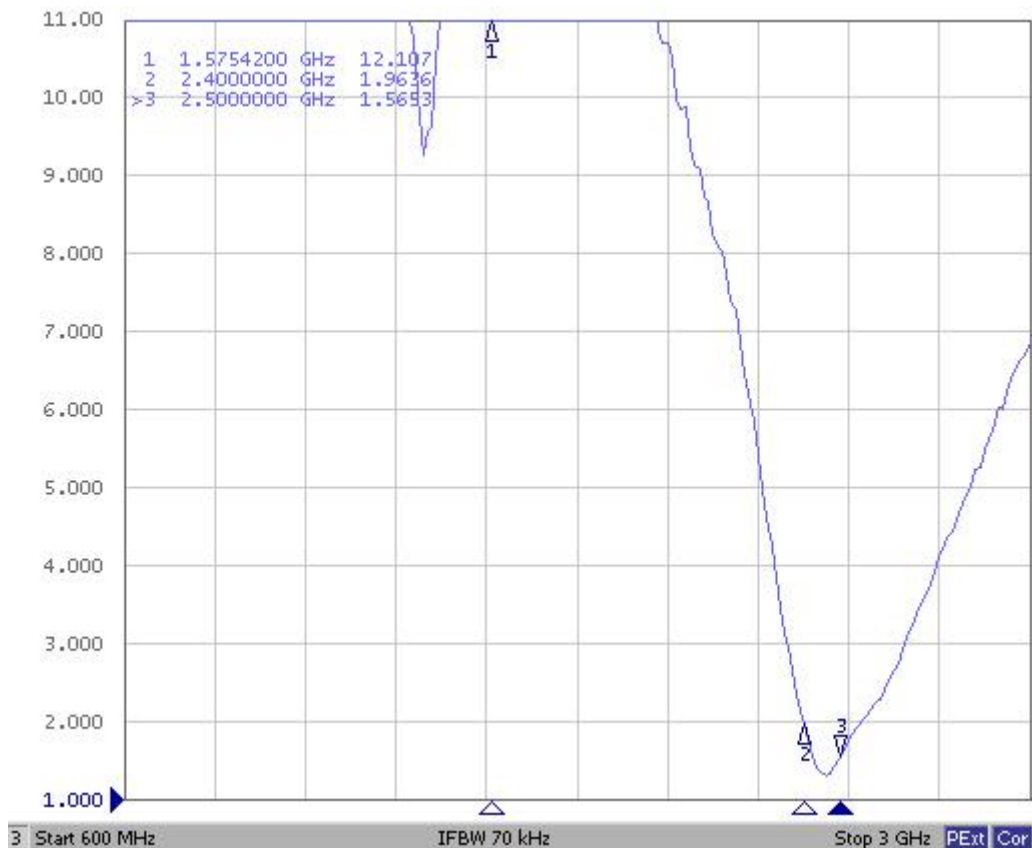
1. Matching circuit- -WIFI antenna



我司未对匹配电路做任何修改

2、The WIFI has no passive parameters

Band	WIFI	
	2400	2500
VSWR	1.9	1.5



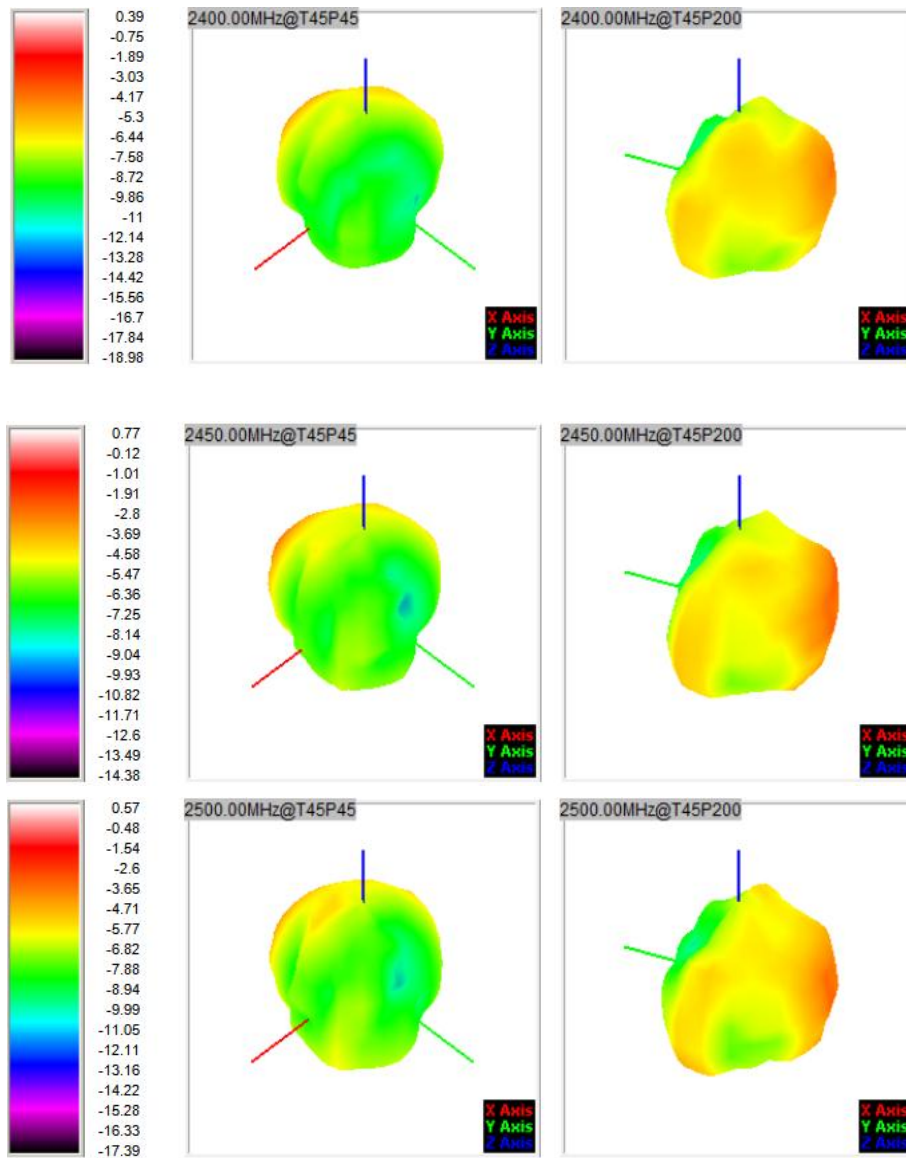
3、The WiFi antenna has the active test data

	WIFI 2400~2500MHz 802.11b 11Mbps		
Channel	1	6	11
TRP	17.59	17.15	18.04
TIS	-83.08	-83.56	-82

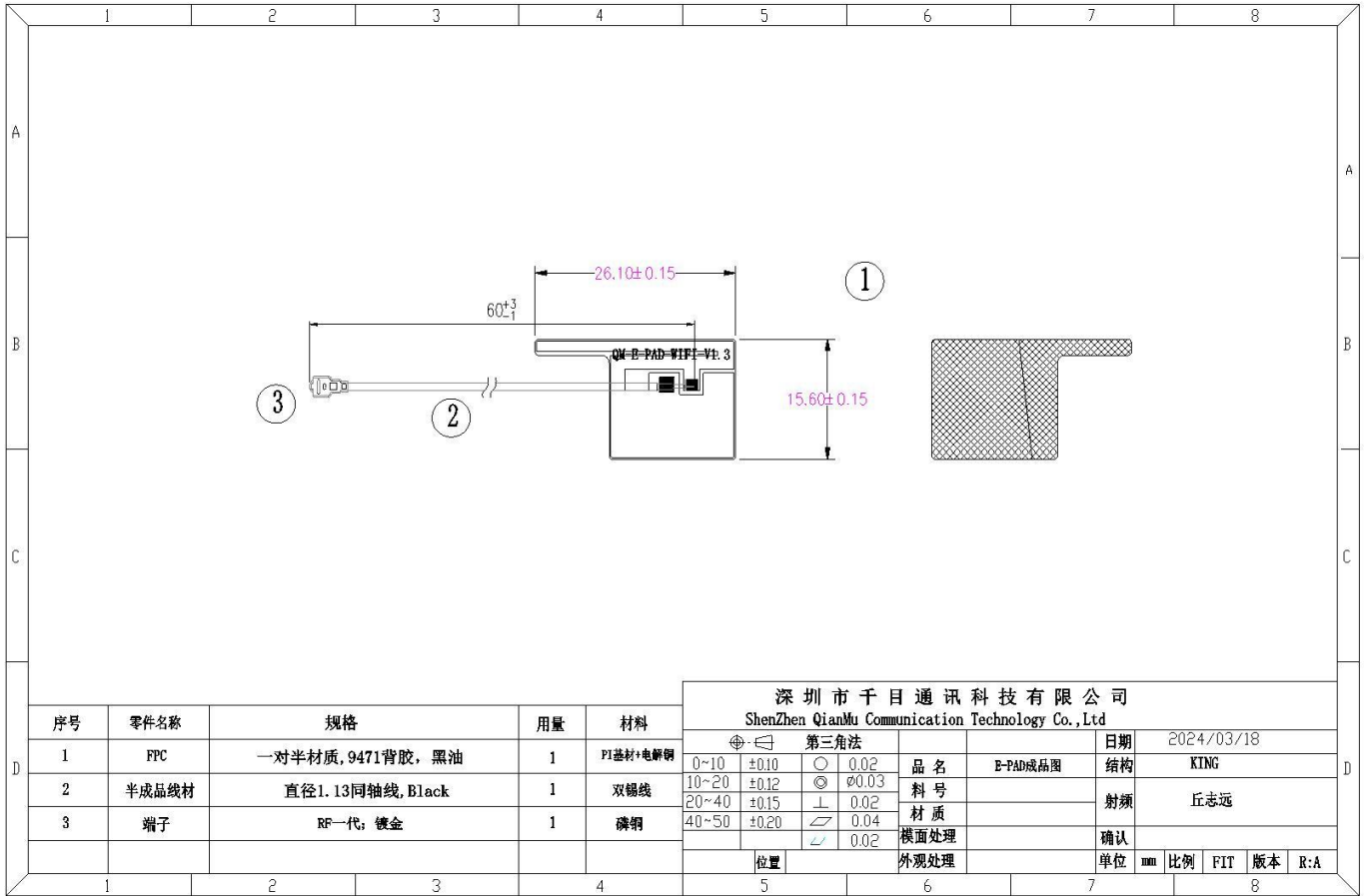
4、WiFi antenna efficiency

FETUKEJI											
Frequency ID	7	8	9	10	11	12	13	14	15	16	17
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)	-5.43	-5.39	-5.30	-5.00	-5.06	-4.66	-4.80	-4.88	-4.85	-4.58	-4.56
Peak EIRP (dBm)	0.39	0.49	0.51	0.68	0.50	0.77	0.50	0.44	0.45	0.65	0.57
Directivity (dBi)	5.82	5.89	5.81	5.68	5.56	5.43	5.30	5.33	5.30	5.23	5.14
Efficiency (dB)	-5.43	-5.39	-5.30	-5.00	-5.06	-4.66	-4.80	-4.88	-4.85	-4.58	-4.56
Efficiency (%)	28.60	28.90	29.50	31.60	31.20	34.20	33.10	32.50	32.70	34.80	35.00
Gain (dBi)	0.39	0.49	0.51	0.68	0.50	0.77	0.50	0.44	0.45	0.65	0.57
NHPRP $\pm\pi/4$ (dBm)	-6.80	-6.73	-6.61	-6.30	-6.35	-5.96	-6.09	-6.17	-6.15	-5.90	-5.90
NHPRP $\pm\pi/6$ (dBm)	-8.39	-8.30	-8.17	-7.83	-7.88	-7.47	-7.60	-7.67	-7.65	-7.40	-7.41
NHPRP $\pm\pi/8$ (dBm)	-9.69	-9.61	-9.46	-9.10	-9.13	-8.72	-8.83	-8.89	-8.85	-8.60	-8.61
Upper Hem. PRP (dBm)	-7.65	-7.65	-7.59	-7.34	-7.48	-7.18	-7.42	-7.60	-7.63	-7.40	-7.37
Lower Hem. PRP (dBm)	-9.42	-9.32	-9.17	-8.81	-8.75	-8.23	-8.23	-8.21	-8.11	-7.79	-7.79
Upper Hem. PRP (%)	17.19	17.18	17.42	18.47	17.86	19.15	18.10	17.39	17.26	18.20	18.33
Lower Hem. PRP (%)	11.44	11.70	12.10	13.16	13.33	15.02	15.04	15.10	15.45	16.62	16.63

5、The WiFi antenna orientation diagram



6、structural drawings



深圳市千目通讯科技有限公司 ShenZhen QianMu Communication Technology Co.,Ltd																																								
序号	零件名称	规格	用量	材料																																				
1	FPC	一对半材质, 9471背胶, 黑油	1	PI基材+电铜																																				
2	半成品线材	直径1.13同轴线, Black	1	双铜线																																				
3	端子	RF一代, 镀金	1	磷铜																																				
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