

Shenzhen Qianmu Communication Technology Co., LTD

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Antenna sample admission letter

Applicable model	E-PAD		
client	Zhi hui gen		
Specification description			
Specification description	Product content	specifications	Customer material code
	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			

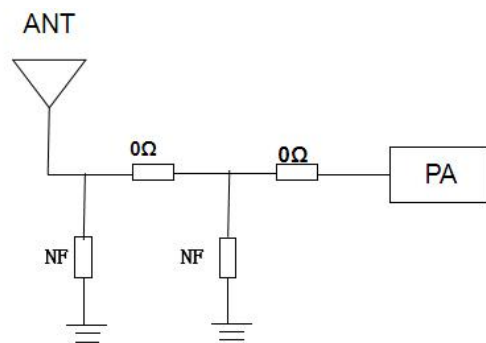
Supplier Sample Confirmation			
research and development	structure	examine and verify	judge

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			PASS ☒ FAIL ☐		
Customer sample confirmation					
electron	structure	project	purchase	character	examine and verify
Reason for rejection or other precautions:					

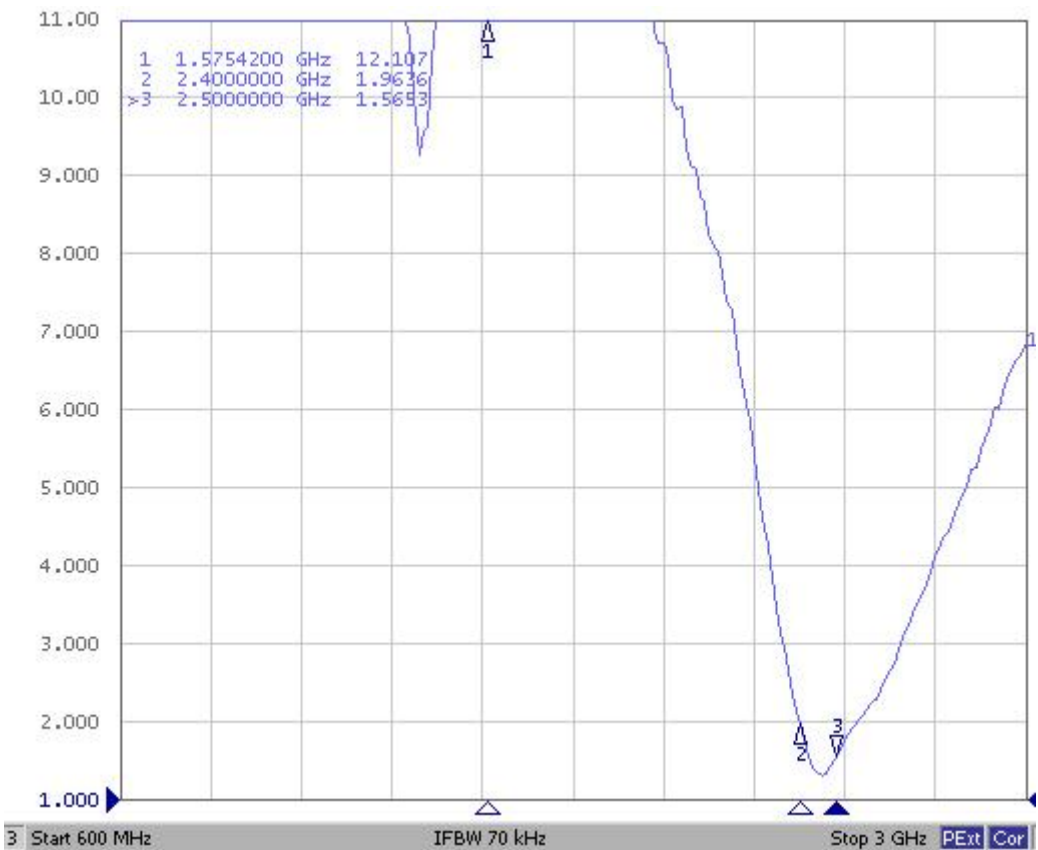
1. Matching circuit- -WIFI antenna



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



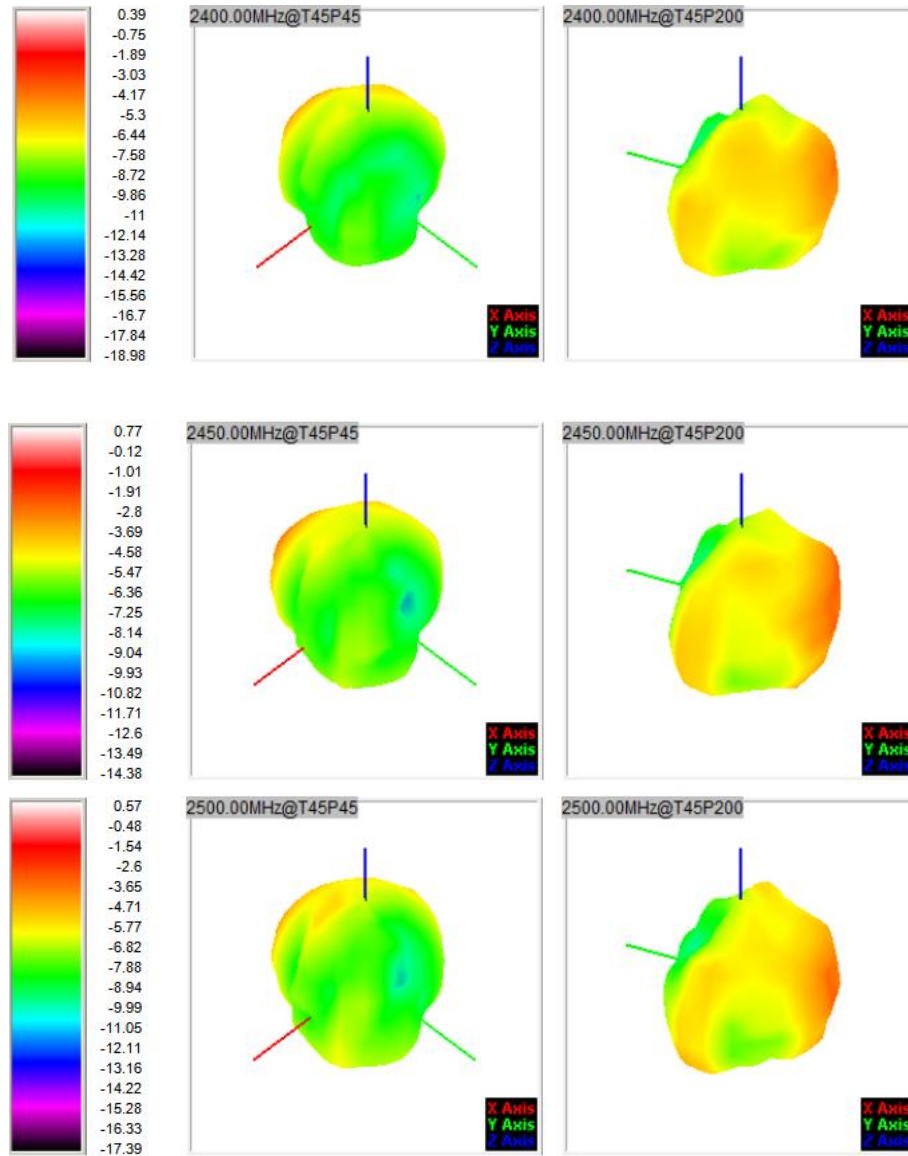
3、The WiFi antenna has the active test data

	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 effeciency

FEITUKEJI											
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

