



顺达成科技

深圳顺达成科技有限公司

Antenna Test Report



客户名称：京华信息

项目名称：NP15-TU-DY

频段：WiFi (2.4/5.8)

版本：A

制作日期：2026-7-25



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1. Test system

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
OTA Test	TRP&TIS	Agilent 8960 E5515C& Agilent 4438C&CMW500 &CMW2 ETS&SATIMO
Gain & Efficiency	Gain & Efficiency	ETS&SATIMO Agilent 5071C

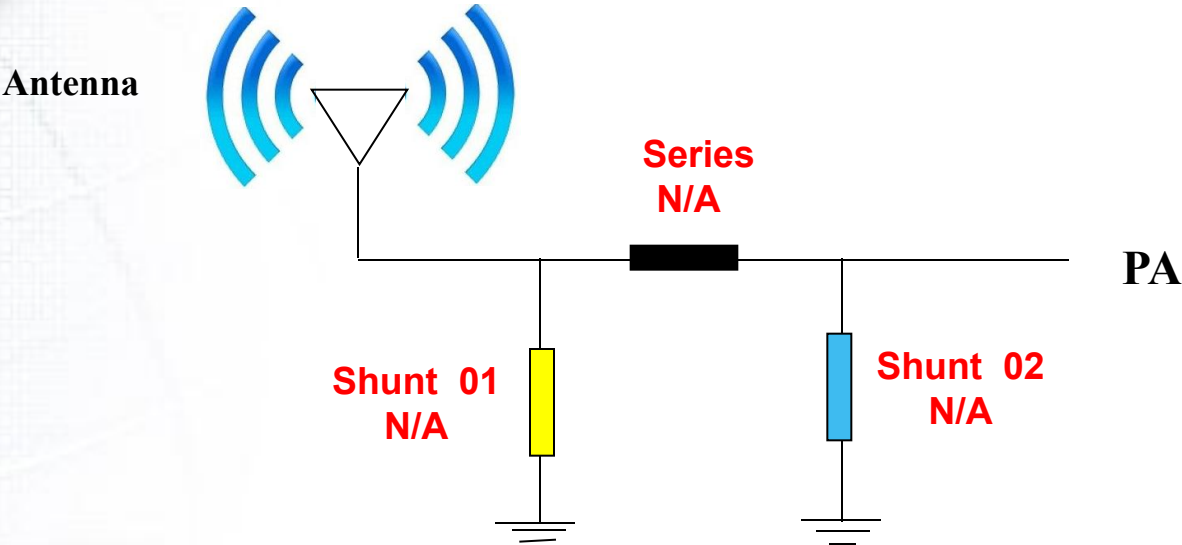




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2. Antenna Matching Network



Location	Description	Vendor
Shunt 01	N/A	N/A
Series	N/A	N/A
Shunt 02	N/A	N/A

未改动主板
匹配电路



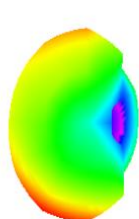
增益和效率

WIFI主

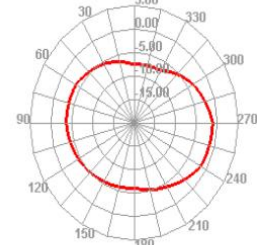
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Passive Test For 2.4G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivit (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	38.53	-2.4	1.51	-0.64	33.473	24.054	1.51	-11.31	3.91	30	49.26	49.31
2425	41.72	-2.86	1.08	-1.07	30.643	21.077	1.08	-11.58	3.94	30	48.96	49.02
2450	43.39	-3.15	0.87	-1.28	28.978	19.41	0.87	-11.67	4.03	30	48.56	48.52
2475	37.43	-3.24	1.04	-1.11	28.552	18.878	1.04	-10.32	4.28	60	48.46	48.26
2500	40.27	-3.44	0.99	-1.16	27.953	17.315	0.99	-9.97	4.44	60	48.42	48.11

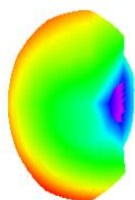
2400.000MHz



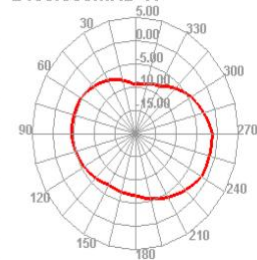
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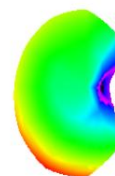
2450.000MHz



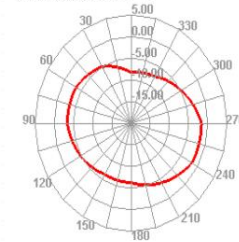
2450.000MHz H



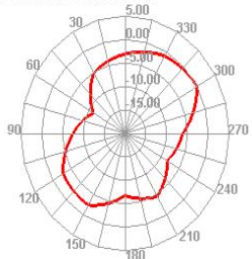
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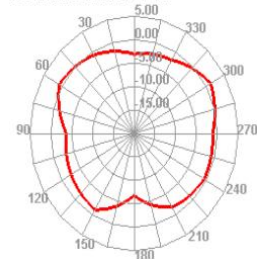
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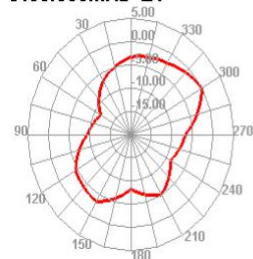
2400.000MHz E1



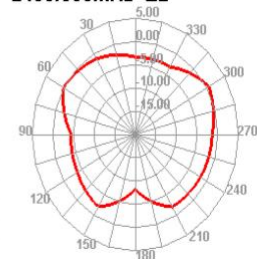
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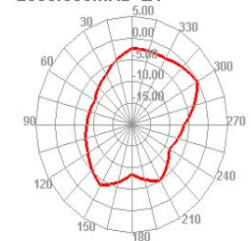
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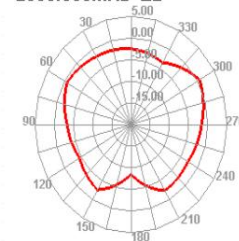
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2500.000MHz E1



2500.000MHz E2





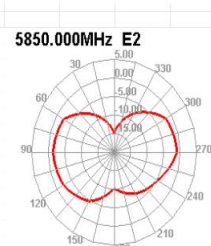
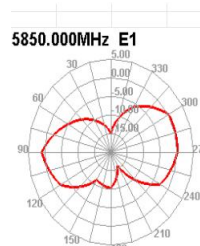
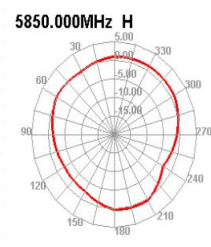
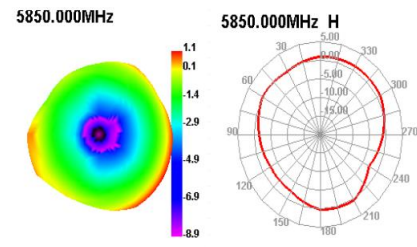
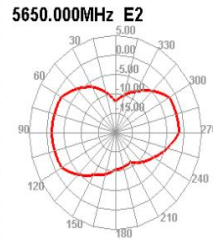
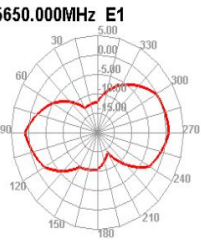
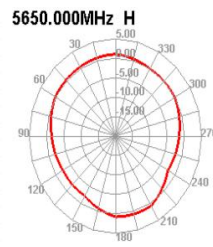
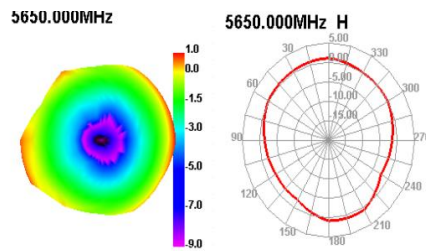
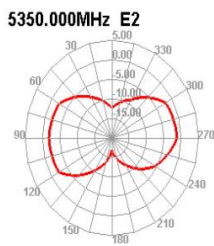
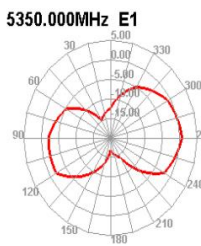
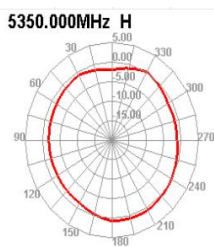
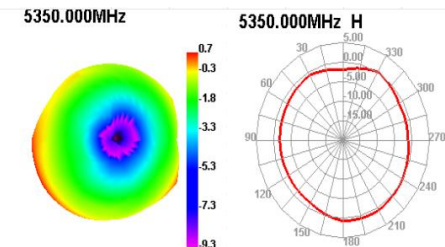
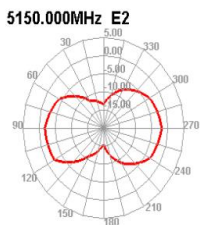
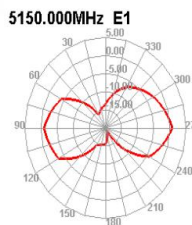
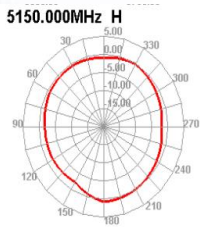
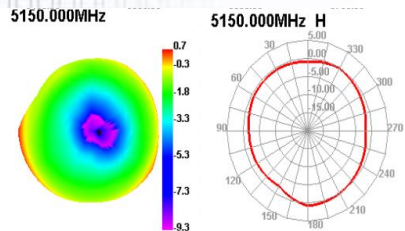
增益和效率

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Passive Test For 5.8G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivit (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
5150	43.79	-3.59	0.72	-1.43	22.114	21.674	0.72	-19.28	4.31	0	57.99	57.31
5250	41.85	-3.78	0.39	-1.76	22.07	19.78	0.39	-20.72	4.17	0	58.64	57.79
5350	42.12	-3.27	0.67	-1.48	25.409	21.716	0.67	-16.84	3.93	60	58.04	57.23
5450	39.33	-2.81	0.8	-1.35	28.09	24.245	0.8	-18.36	3.61	60	58.98	57.56
5550	38.66	-3.4	0.38	-1.77	25.02	20.636	0.38	-18.56	3.78	60	60.33	58.82
5650	42.42	-2.8	1.03	-1.12	28.992	23.433	1.03	-14.08	3.84	0	60.1	59.14
5750	37.88	-2.93	1.33	-0.82	28.077	22.799	1.33	-13.14	4.26	0	60.77	60.09
5850	41.76	-2.86	1.15	-1	28.507	23.253	1.15	-15.86	4.01	0	61.38	60.74





增益和效率

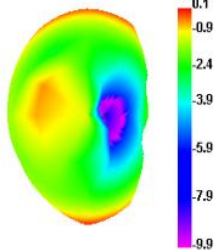
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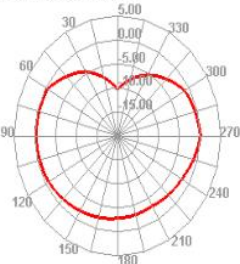
Passive Test For 2.4G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	35.35	-3.34	0.09	-2.06	20.516	25.833	0.09	-17.9	3.43	0	48.15	48.07
2425	36.9	-2.68	0.67	-1.48	23.52	30.378	0.67	-17.42	3.35	0	48.4	48.36
2450	40.7	-2.54	0.73	-1.42	24.288	31.409	0.73	-15.75	3.28	0	48.58	48.46
2475	41.84	-2.3	1.13	-1.02	25.932	32.904	1.13	-13.17	3.44	120	49.04	48.75
2500	40.71	-2.54	1.04	-1.11	24.69	31.019	1.04	-14.91	3.58	120	48.85	48.71

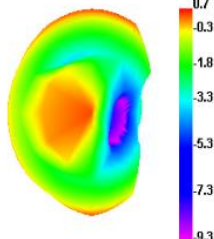
2400.000MHz



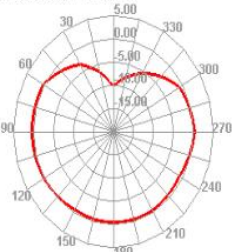
2400.000MHz H



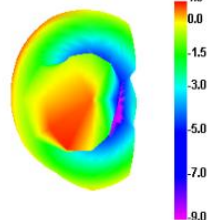
2450.000MHz



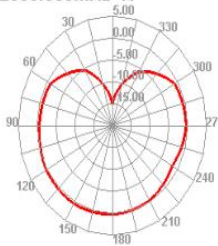
2450.000MHz H



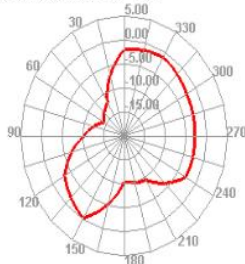
2500.000MHz



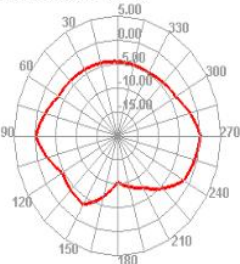
2500.000MHz H



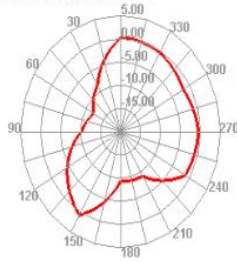
2400.000MHz E1



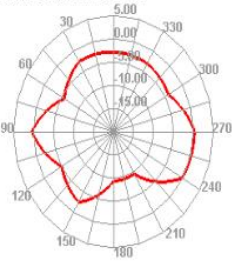
2400.000MHz E2



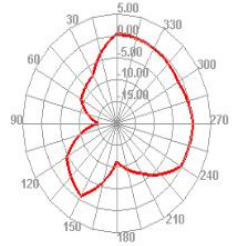
2450.000MHz E1



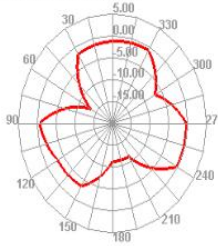
2450.000MHz E2



2500.000MHz E1



2500.000MHz E2



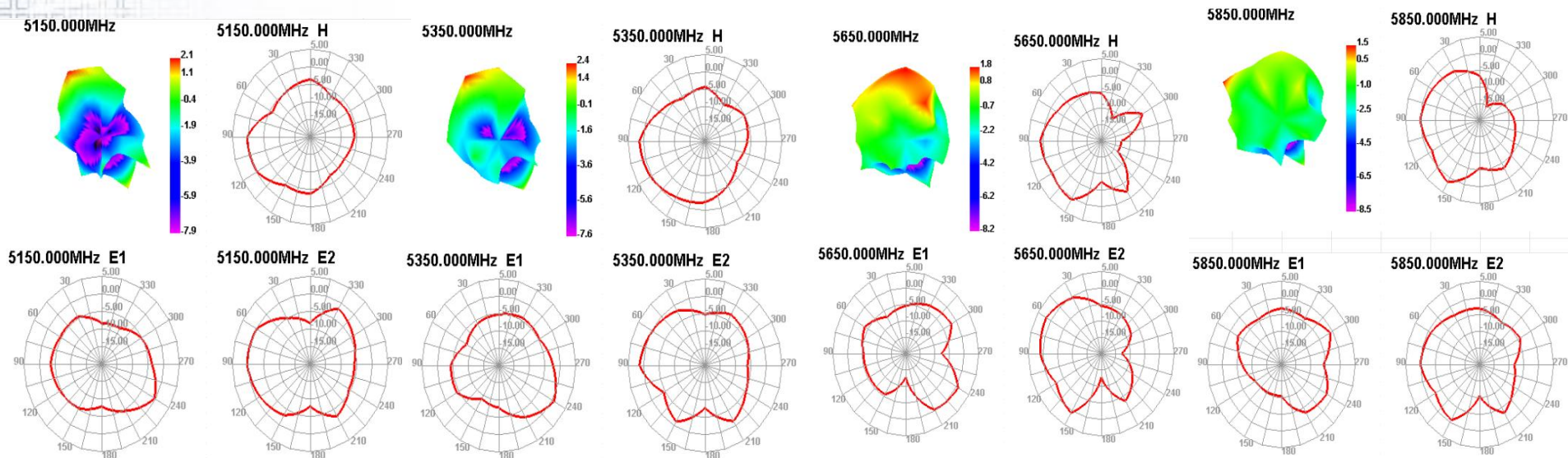


增益和效率

WIFI副

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Passive Test For 5.8G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
5150	40.83	-3.48	2.11	-0.04	21.07	23.76	2.11	-12.75	5.59	0	58.6	58.01
5250	38.58	-3.92	1.72	-0.43	18.999	21.578	1.72	-14.78	5.64	0	58.53	57.74
5350	42.91	-3.2	2.44	0.29	22.934	24.976	2.44	-14.65	5.64	0	57.99	57.08
5450	39.47	-2.8	2.43	0.28	25.65	26.819	2.43	-12.63	5.23	30	59.19	57.9
5550	41.98	-2.84	1.68	-0.47	25.93	26.048	1.68	-13.83	4.52	30	60.21	58.81
5650	43.18	-2.74	1.77	-0.38	26.741	26.438	1.77	-17.54	4.52	30	60.31	59.42
5750	38.46	-2.89	1.12	-1.03	26.232	25.228	1.12	-13.74	4.01	60	60.88	60.28
5850	42.24	-3.35	1.49	-0.66	23.31	22.932	1.49	-15.39	4.84	0	61.09	60.41





WIFI OTA Data

2.4G	802.11b, (2.4G) 11M		
Channel	CH1	CH6	CH11
TRP	12.33	12.91	12.54
TIS	-78.07	-78.59	-78.90
5.8G	802.11a, (5.8G) 54M		
Channel	CH36	CH60	CH161
TRP	10.76	10.96	10.62
TIS	-68.03	-68.22	-68.98



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天线安装位置图



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顺达成感谢您的支持

公司地址：深圳市宝安区福永镇重庆路新福工业园B5栋4楼