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深圳顺达成科技有限公司

Antenna Test Report



客户名称：格瑞特亚

项目名称：E180-WIFI6

频段：WiFi (2.4/5.8)

版本：A

制作日期：2026-7-1



Content

- 1. Antenna Matching Network**
- 2. *S11 Parameter-VSWR***
- 3. 1 Gain & Efficiency**
- 3. 2 3D Pattern**
- 4. OTA Data**
- 5. Antenna Assembly & environmental processing**
- 6. conclusion**



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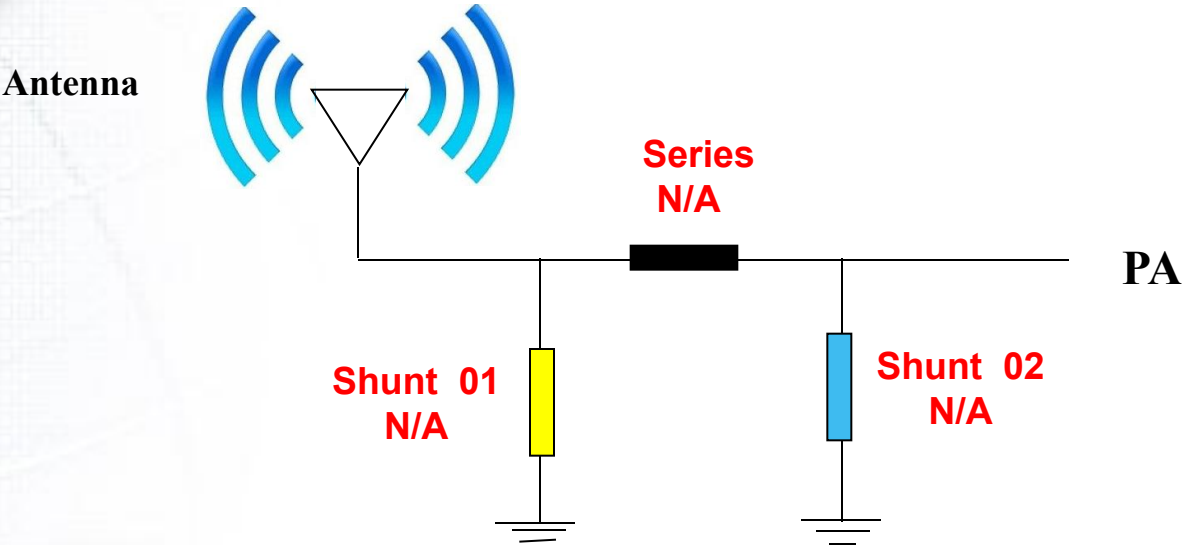
1. Test system

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





2. Antenna Matching Network



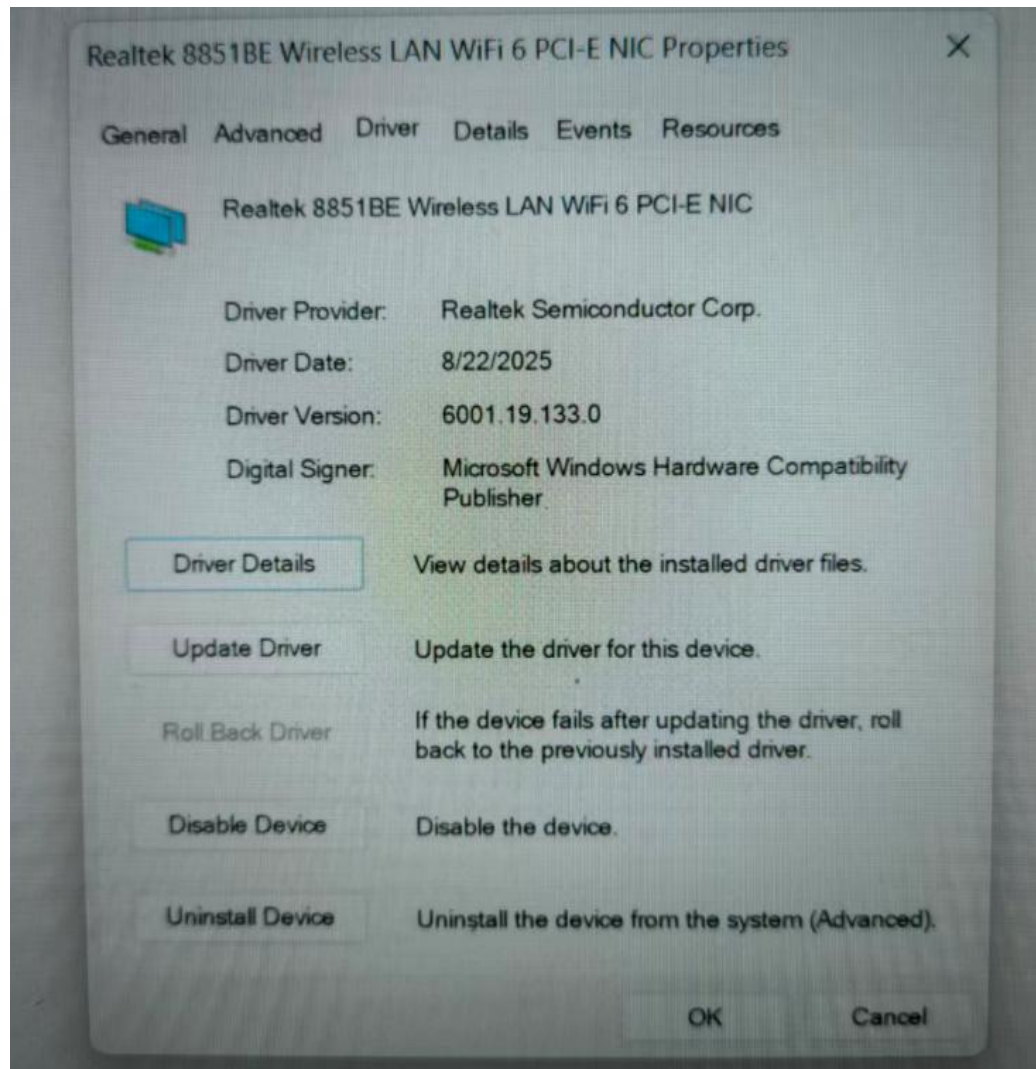
Location	Description	Vendor
Shunt 01	N/A	N/A
Series	N/A	N/A
Shunt 02	N/A	N/A

未改动主板
匹配电路



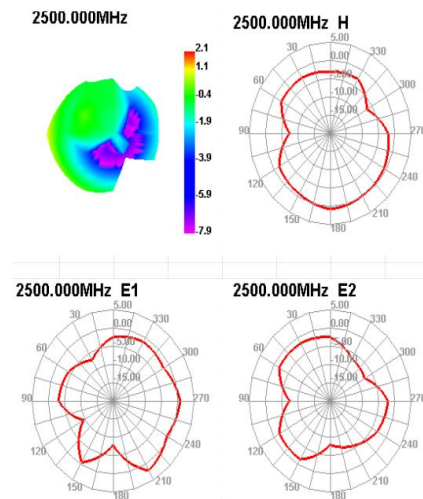
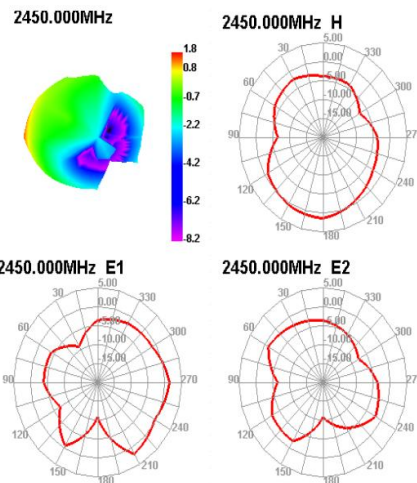
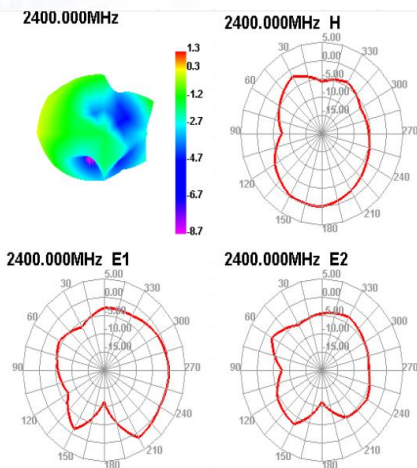
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驱动版本



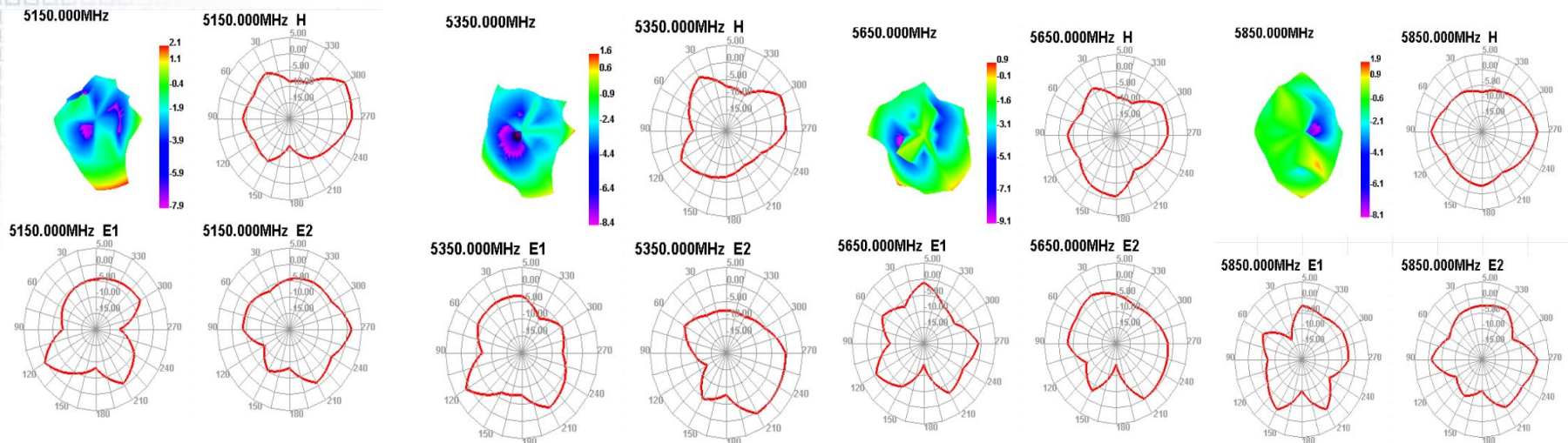


Passive Test For 2.4G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivit (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	39.32	-3.52	1.32	-0.83	19.837	24.606	1.32	-13.8	4.85	90	47.77	47.82
2425	43.52	-3.32	1.55	-0.6	19.78	26.736	1.55	-13.5	4.87	90	48.06	48.12
2450	43.57	-2.79	1.8	-0.35	22.323	30.245	1.8	-11.73	4.59	60	48.56	48.53
2475	42.67	-2.87	1.69	-0.46	22.128	29.547	1.69	-10.93	4.56	60	48.46	48.26
2500	45.27	-2.73	2.07	-0.08	22.282	30.993	2.07	-11.56	4.81	60	48.42	48.12





Passive Test For 5.8G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
5150	43.93	-3.57	2.12	-0.03	19.892	24.034	2.12	-12.63	5.69	30	58.6	58.01
5250	38.01	-4.2	0.93	-1.22	15.883	22.123	0.93	-13.88	5.13	0	58.53	57.74
5350	42.5	-3.72	1.6	-0.55	16.822	25.682	1.6	-12.8	5.32	0	57.99	57.08
5450	44.47	-3.33	2.04	-0.11	18.58	27.887	2.04	-11.16	5.37	60	59.19	57.9
5550	43.65	-3.31	1.63	-0.52	18.515	28.134	1.63	-12.53	4.94	60	60.21	58.81
5650	40.83	-3.39	0.88	-1.27	19.035	26.794	0.88	-13.49	4.27	60	60.31	59.42
5750	38.25	-3.44	1.66	-0.49	20.207	25.042	1.66	-12.05	5.11	0	60.88	60.28
5850	39.45	-3.43	1.87	-0.28	22.465	22.98	1.87	-17.61	5.29	0	61.09	60.41



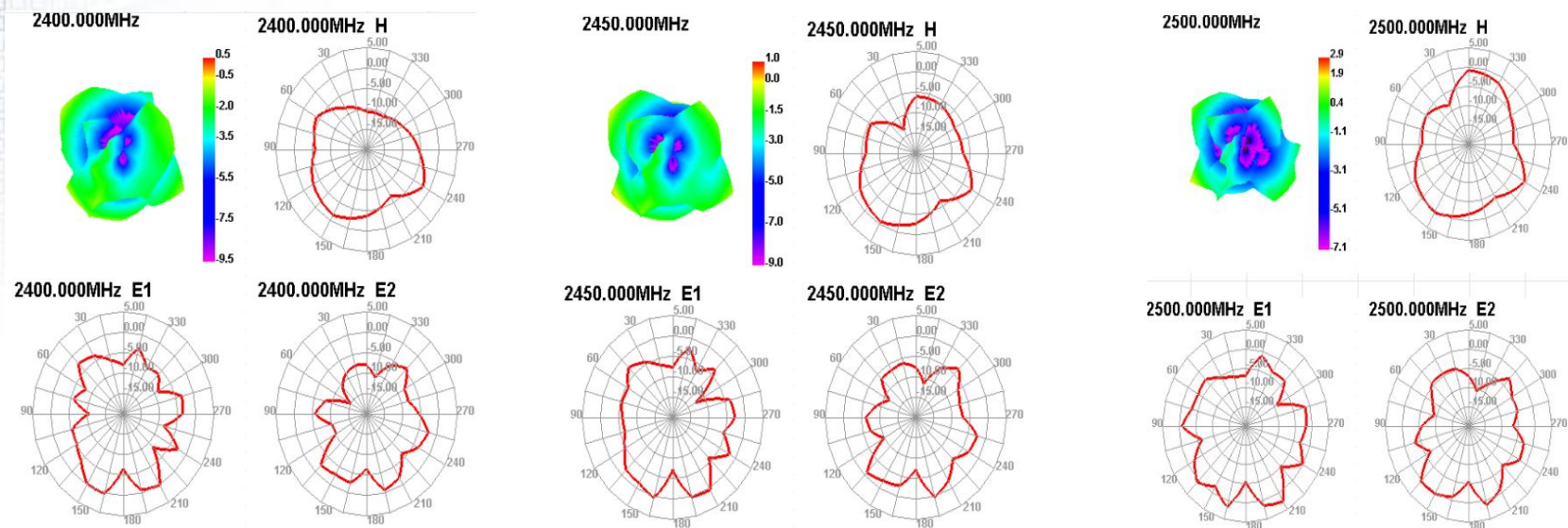


增益和效率

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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	36.43	-4.39	0.5	-1.65	20.516	25.833	0.5	-15.09	4.39	15	48.23	48.39
2425	39.84	-4	0.88	-1.27	21.534	27.415	0.88	-16.22	4	15	48.32	48.45
2450	40.44	-3.93	1.02	-1.13	22.16	28.396	1.02	-14.59	3.93	15	48.74	48.76
2475	42.43	-3	2.21	0.06	23.343	30.095	2.21	-12.24	3	15	49.07	49
2500	41.3	-2.57	2.89	0.74	23.52	30.378	2.89	-10.73	2.57	15	49.2	49.11



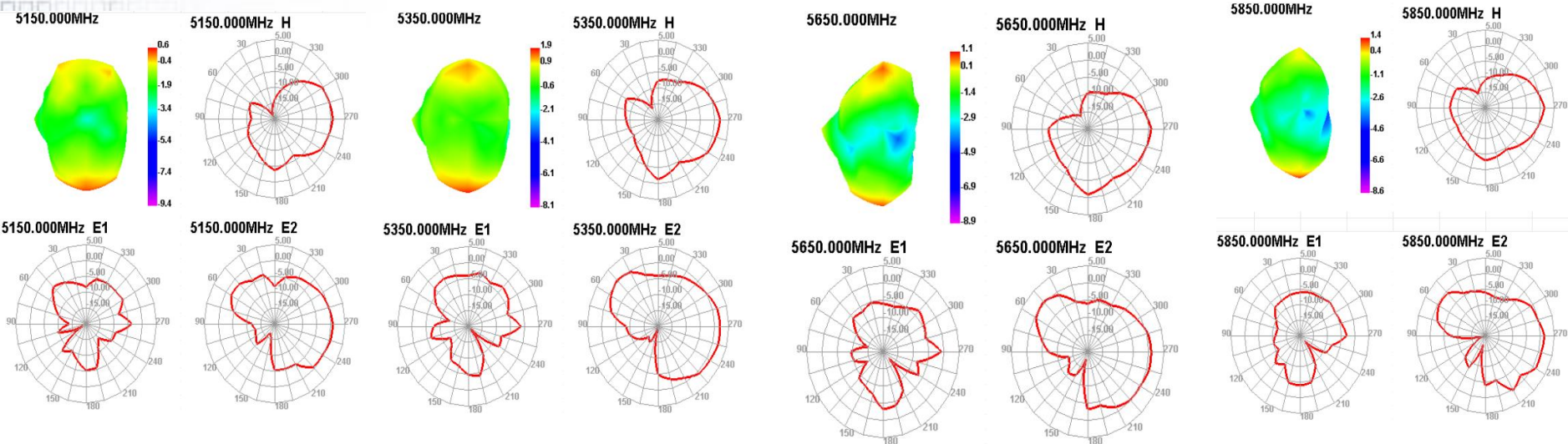


增益和效率

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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	35.23	-4.92	0.64	-1.51	18.002	14.834	0.64	-23.37	4.92	15	58.24	57.86
5250	36.06	-4.43	1.44	-0.71	21.77	18.345	1.44	-20.04	4.43	0	58.55	58.24
5350	42.25	-3.74	1.92	-0.23	24.024	20.11	1.92	-24.52	3.74	0	58.32	57.64
5450	40.16	-3.96	1.67	-0.48	26.322	21.424	1.67	-24.57	3.96	0	59.47	58.22
5550	39.39	-4.05	1.75	-0.4	28.602	24.321	1.75	-28.84	4.05	0	59.98	58.53
5650	36.56	-4.37	1.1	-1.05	28.672	24.791	1.1	-17.66	4.37	0	60.3	59.1
5750	37.33	-4.28	1.28	-0.87	25.919	22.932	1.28	-18.24	4.28	45	60.64	59.72
5850	39.93	-4.69	1.39	-0.76	23.626	21.146	1.39	-19.82	4.69	75	61.06	60.22





WIFI OTA Data

2.4G	802.11b, (2.4G) 11M		
Channel	CH1	CH6	CH11
TRP	11.65	11.97	11.52
TIS	-78.62	-78.17	-78.28
5.8G	802.11a, (5.8G) 54M		
Channel	CH36	CH60	CH161
TRP	9.46	10.12	10.33
TIS	-68.14	-68.56	-69.15



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顺达成感谢您的支持

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