



深圳市创科华科技有限公司

Shenzhen Chuangkehua Technology Co.Ltd

Project Name	D018	working frequency band	2400Mhz/5850Mhz
Antenna engineer	Zeng	Structural engineer	Zhou
Date	2026-1-6	Antenna material	FPC



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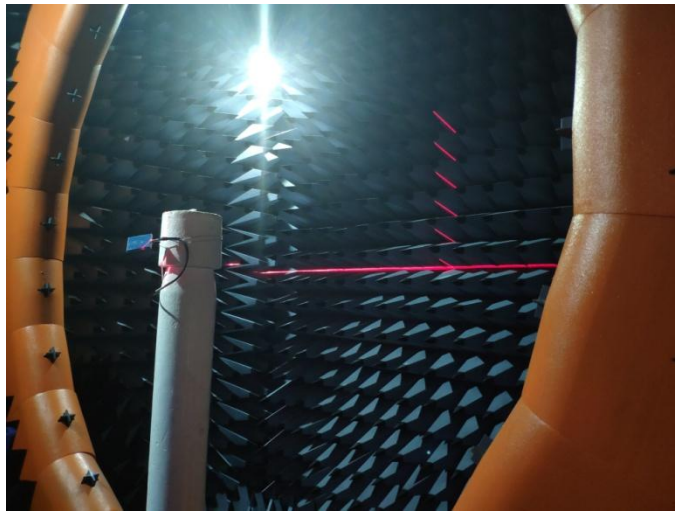
02 Match modification

03 Antenna parameters

04 Mainboard of the whole machine

05 Summarize the explanation

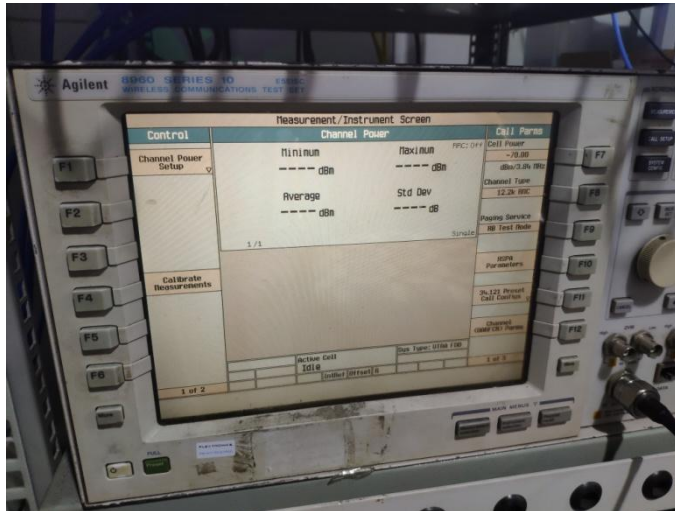
① R&D testing equipment



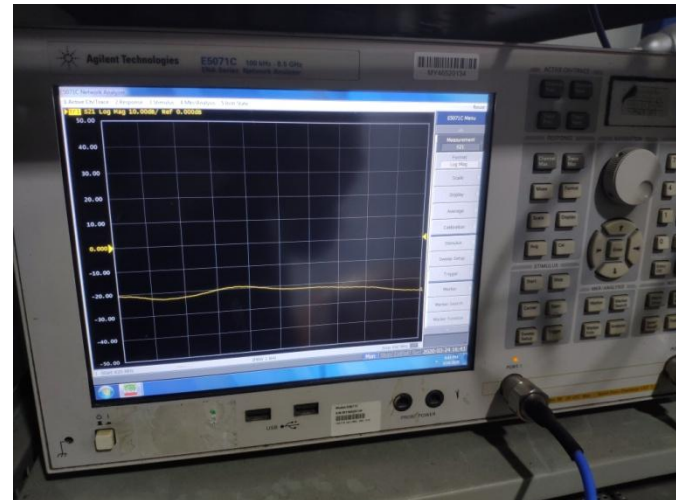
7*4*3M 3DMicrowave anechoic chamber



MT8820C



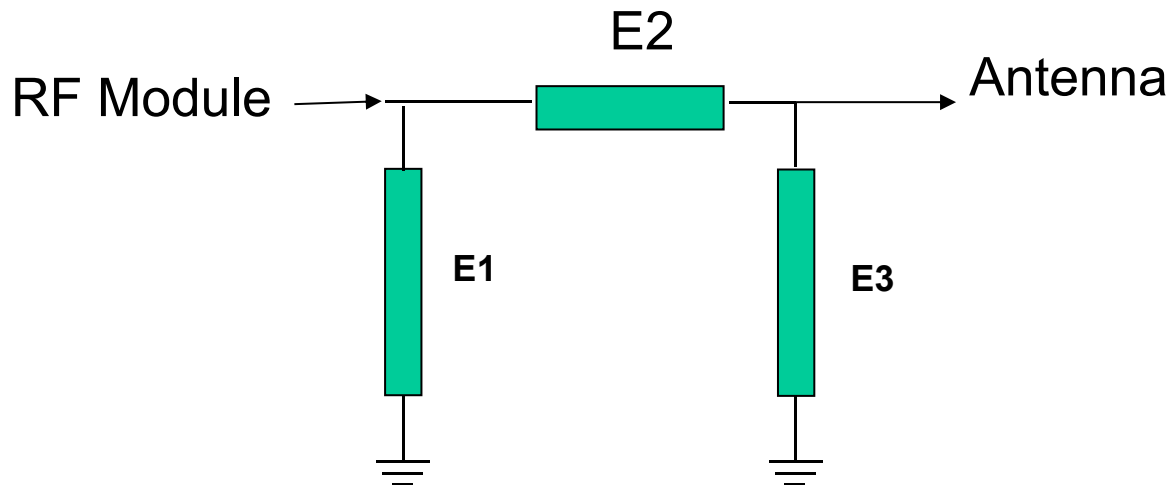
Agilent 8960



Agilent E5071C

match (Match unchanged)

Element	E1	E2	E3
Value	/	/	/

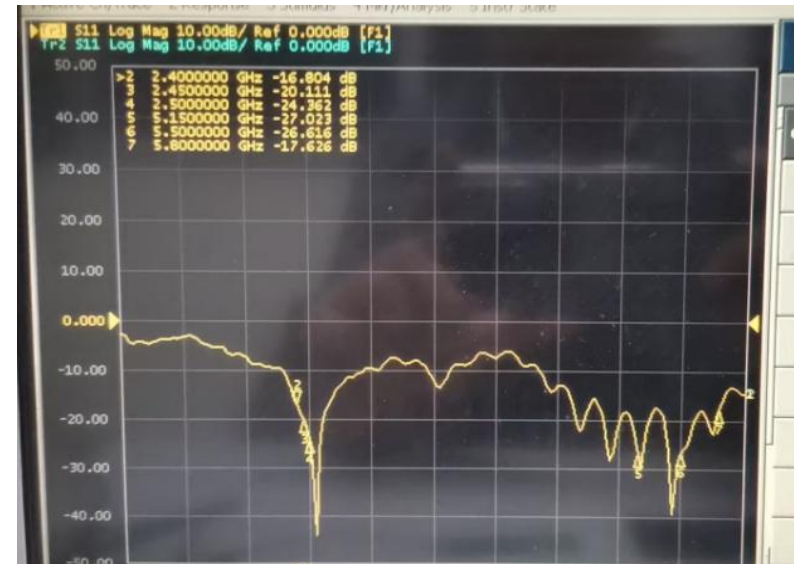




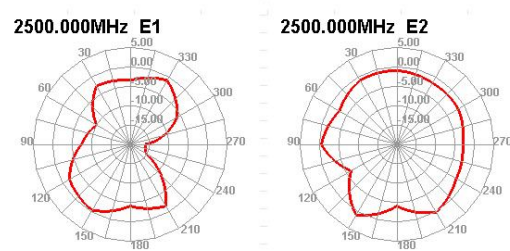
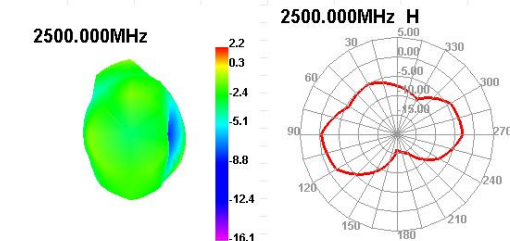
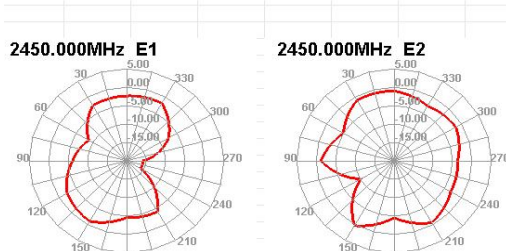
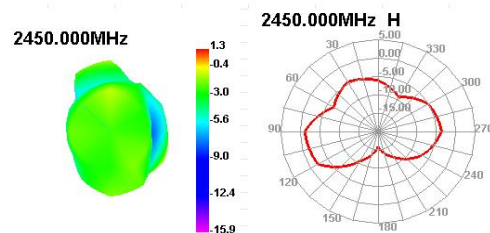
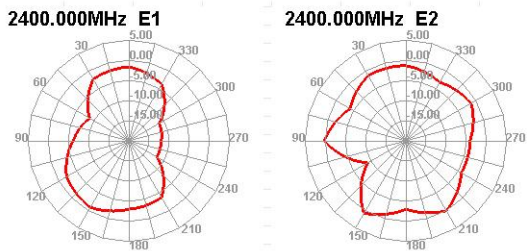
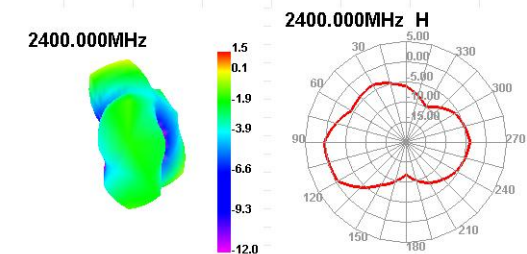
Product image

2.4/5.8standing wave pattern

2.4/5.8Standing wave
reflection loss diagram

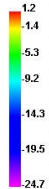
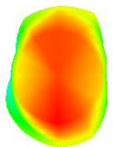


Passive Test For WIFI2.4										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	43.03	-3.66	1.49	-0.66	18.602	24.429	1.49	-12.02	47.51	47.63
2410	42.67	-3.7	1.4	-0.75	18.459	24.215	1.4	-12.79	47.34	47.64
2420	43.86	-3.58	1.42	-0.73	19.101	24.757	1.42	-13.94	47.27	47.45
2430	41.18	-3.85	1.17	-0.98	18.373	22.81	1.17	-14.95	47.09	47.44
2440	41.74	-3.79	1.19	-0.96	18.923	22.822	1.19	-15.75	47.25	47.56
2450	41.86	-3.78	1.27	-0.88	19.101	22.756	1.27	-15.88	47.42	47.77
2460	40.15	-3.96	1.12	-1.03	18.144	22.01	1.12	-17.22	47.67	47.91
2470	42.48	-3.72	1.4	-0.75	19.175	23.303	1.4	-17.26	47.7	48.04
2480	48.37	-3.15	1.91	-0.24	21.416	26.953	1.91	-16.38	47.89	48.23
2490	49.34	-2.81	2.39	0.24	23.145	29.191	2.39	-15.55	48.1	48.34
2500	48.99	-3.1	2.16	0.01	21.557	27.43	2.16	-16.07	47.94	48.19

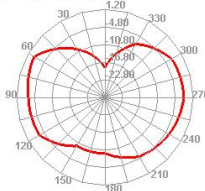


Passive Test For 5g										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
5100	38.29	-4.17	1.2	-0.95	25.957	12.336	1.2	-24.7	55.75	55.77
5136.84	37.46	-4.63	0.35	-1.8	23.631	10.83	0.35	-22.14	55.92	55.92
5173.68	37.93	-4.82	0.43	-1.72	22.504	10.422	0.43	-19.59	55.85	55.67
5210.53	37.8	-4.84	0.73	-1.42	22.705	10.095	0.73	-18.78	55.94	55.95
5247.37	38.77	-5.41	0.85	-1.3	19.678	9.09	0.85	-17.4	55.88	55.63
5284.21	39.11	-4.8	1.57	-0.58	23.225	9.885	1.57	-17.15	55.78	55.61
5321.05	38.74	-4.98	1.79	-0.36	22.751	8.985	1.79	-14.58	56.25	56.17
5357.89	40.59	-4.49	1.43	-0.72	25.15	10.436	1.43	-15.7	56.36	56.42
5394.74	42.57	-4.03	1.74	-0.41	28.143	11.424	1.74	-17.39	56.41	56.74
5431.58	41.22	-4.79	1.81	-0.34	24.651	8.571	1.81	-24.33	56.63	56.93
5468.42	45.13	-3.46	3.09	0.94	34.285	10.844	3.09	-22.91	56.9	57.52
5505.26	41.56	-4.25	3.46	1.31	29.136	8.423	3.46	-22.75	57.77	58.64
5542.1	42.67	-4.48	3.03	0.88	27.731	7.938	3.03	-18.25	58.43	59.53
5578.95	42.39	-3.94	2.96	0.81	31.458	8.929	2.96	-17.35	58.77	59.43
5615.79	39.02	-4.09	3.48	1.33	31.029	7.986	3.48	-17.77	58.78	59.73
5652.63	38.67	-4.13	2.52	0.37	30.655	8.016	2.52	-20.78	58.73	59.63
5689.47	43.37	-3.63	2.56	0.41	33.866	9.504	2.56	-21.99	58.39	59.33
5726.31	41.47	-4.26	2.66	0.51	29.263	8.206	2.66	-23.89	58.91	59.69
5763.16	39.37	-4.05	2.78	0.63	30.11	9.258	2.78	-21.47	59.01	59.41
5800	42.22	-5.2	2.77	0.62	23.363	6.858	2.77	-22.75	58.86	59.22

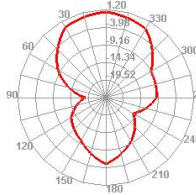
5100.000MHz



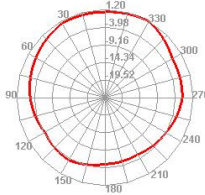
5100.000MHz H



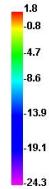
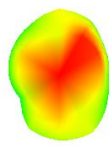
5100.000MHz E1



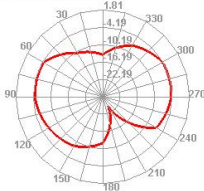
5100.000MHz E2



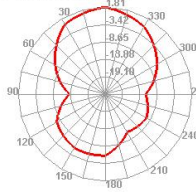
5431.578MHz



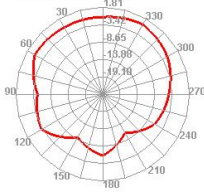
5431.578MHz H



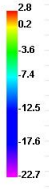
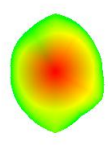
5431.578MHz E1



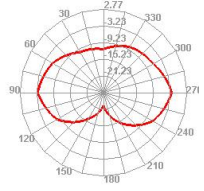
5431.578MHz E2



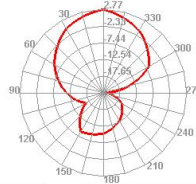
5799.998MHz



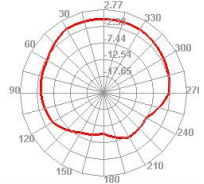
5799.998MHz H



5799.998MHz E1



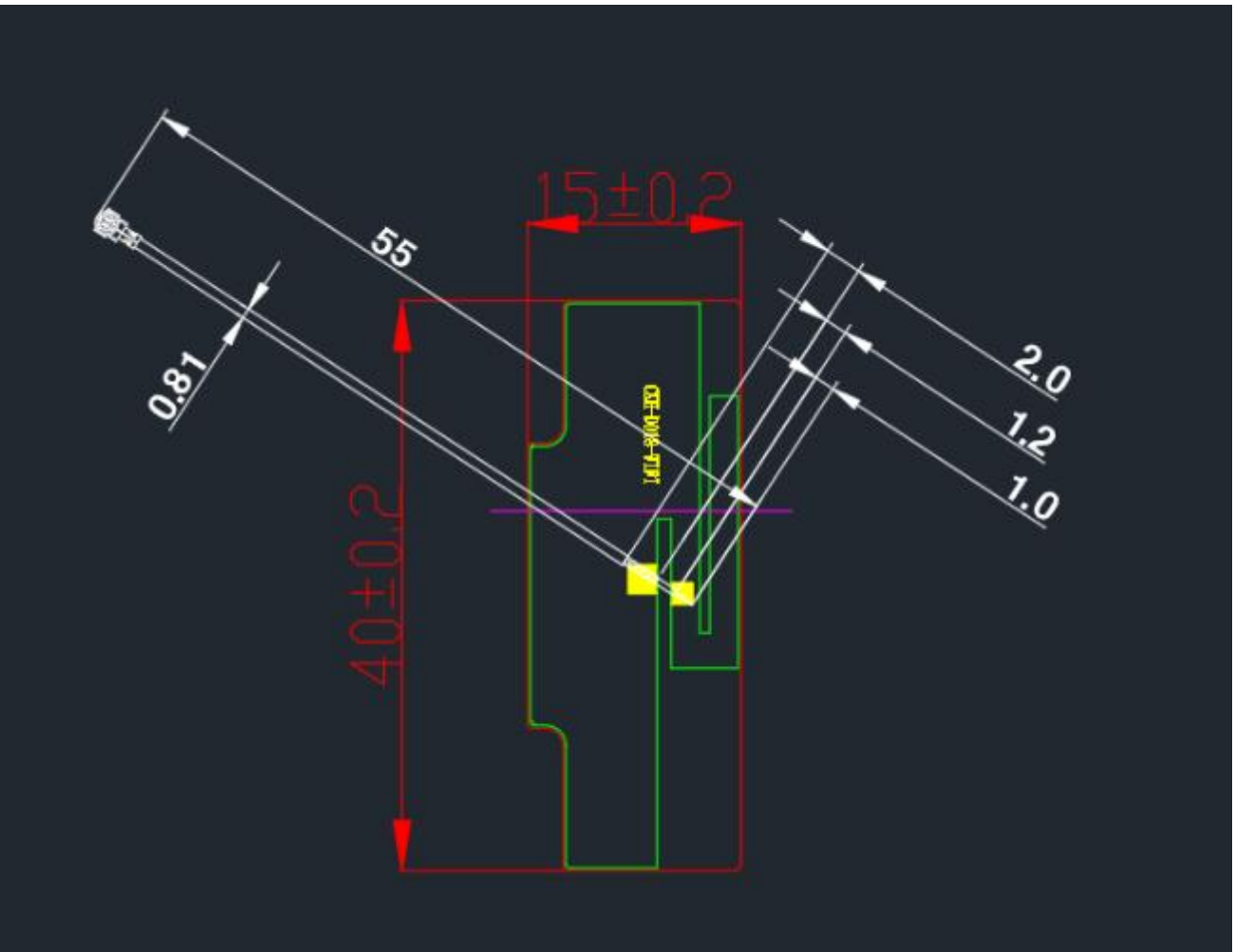
5799.998MHz E2



④ Mainboard of the whole machine



As shown in the figure: antenna
position diagram



③Antenna size

⑤ 总结说明

1. The above data only represents the performance parameters of the debugging machine. If your company needs to trial production/mass production, you need to arrange the trial production/ production machine to our company for testing and verification;
2. The above-mentioned matching modification and overall environmental treatment, please confirm whether it is feasible. If there are any objections, please communicate at any time;
3. If there are any changes to your machine, please arrange for it to be tested at our company to verify its performance, so as to ensure normal production in the;



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