

深圳市开阳星科技有限公司

——微波通讯技术领跑者

A106(WIFI)天线测试报告

RF: 刘海平

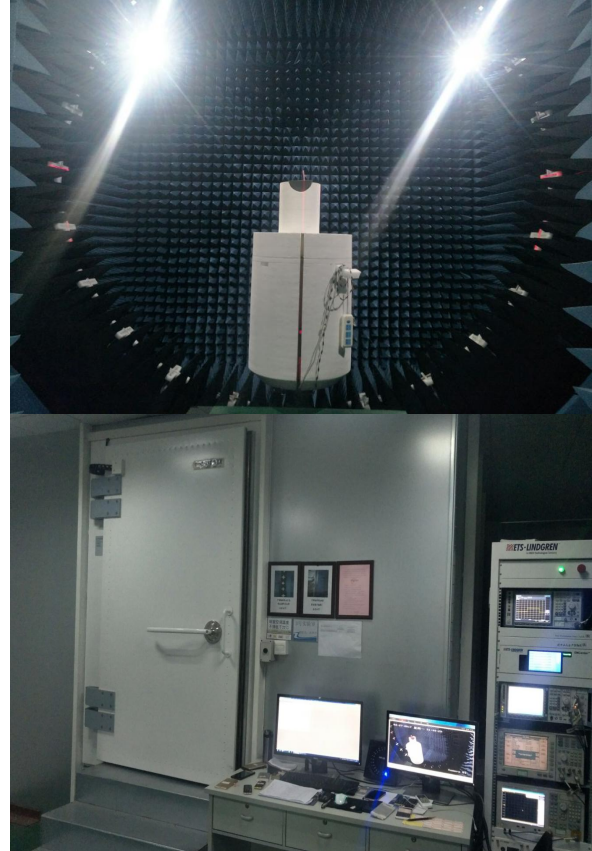
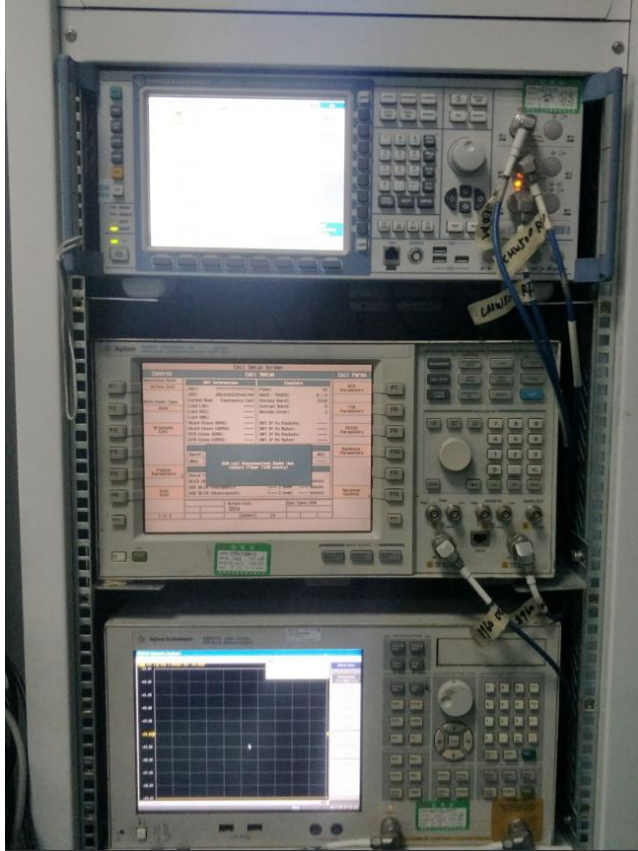
TEL:17328766370

2022年12月7日

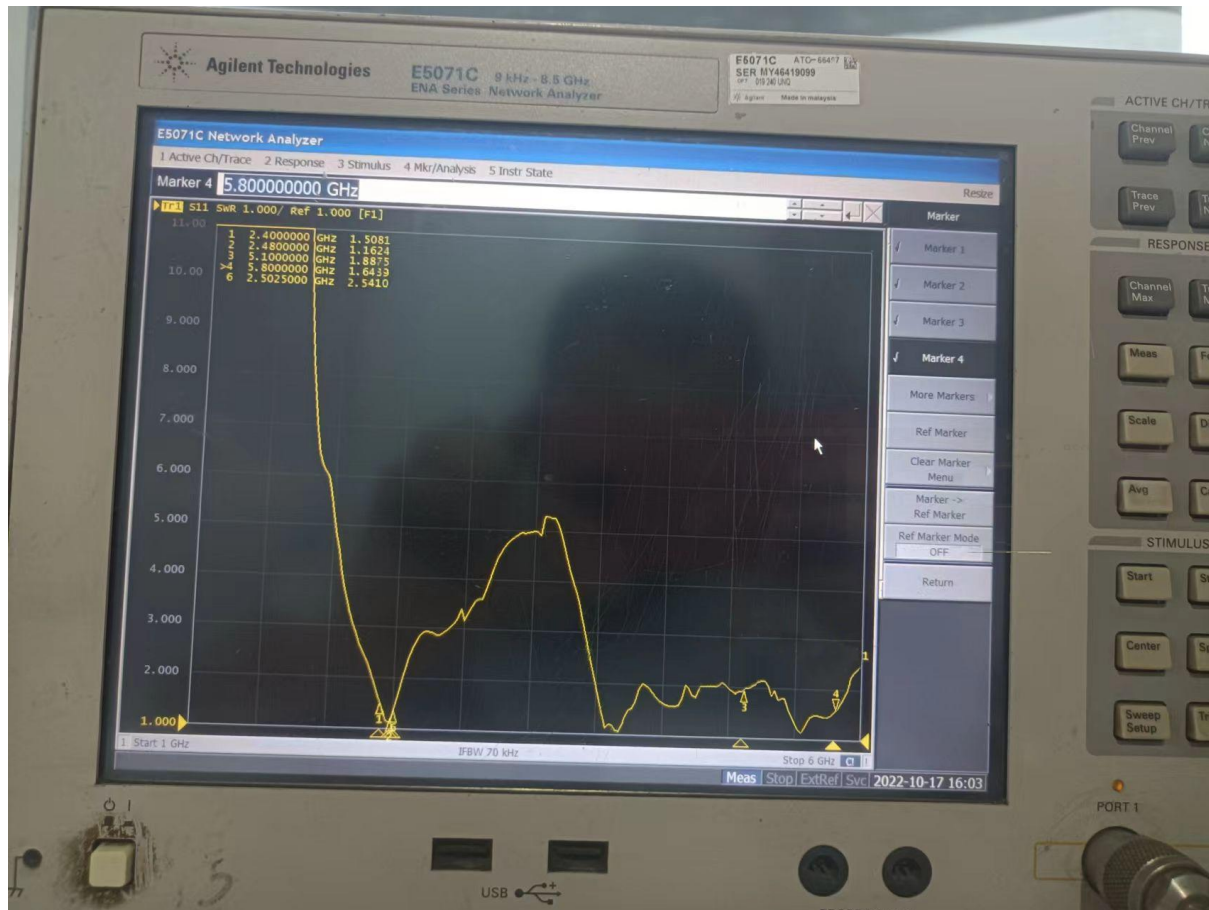
1.项目状况

主天线	频段		天线状态	天线形式	设计区域	匹配改动
	2G					
	3G					
	4G					
其他天线	WIFI	2400-2480MHZ 5100-5800MHZ				
	GPS					

测试环境



驻波比

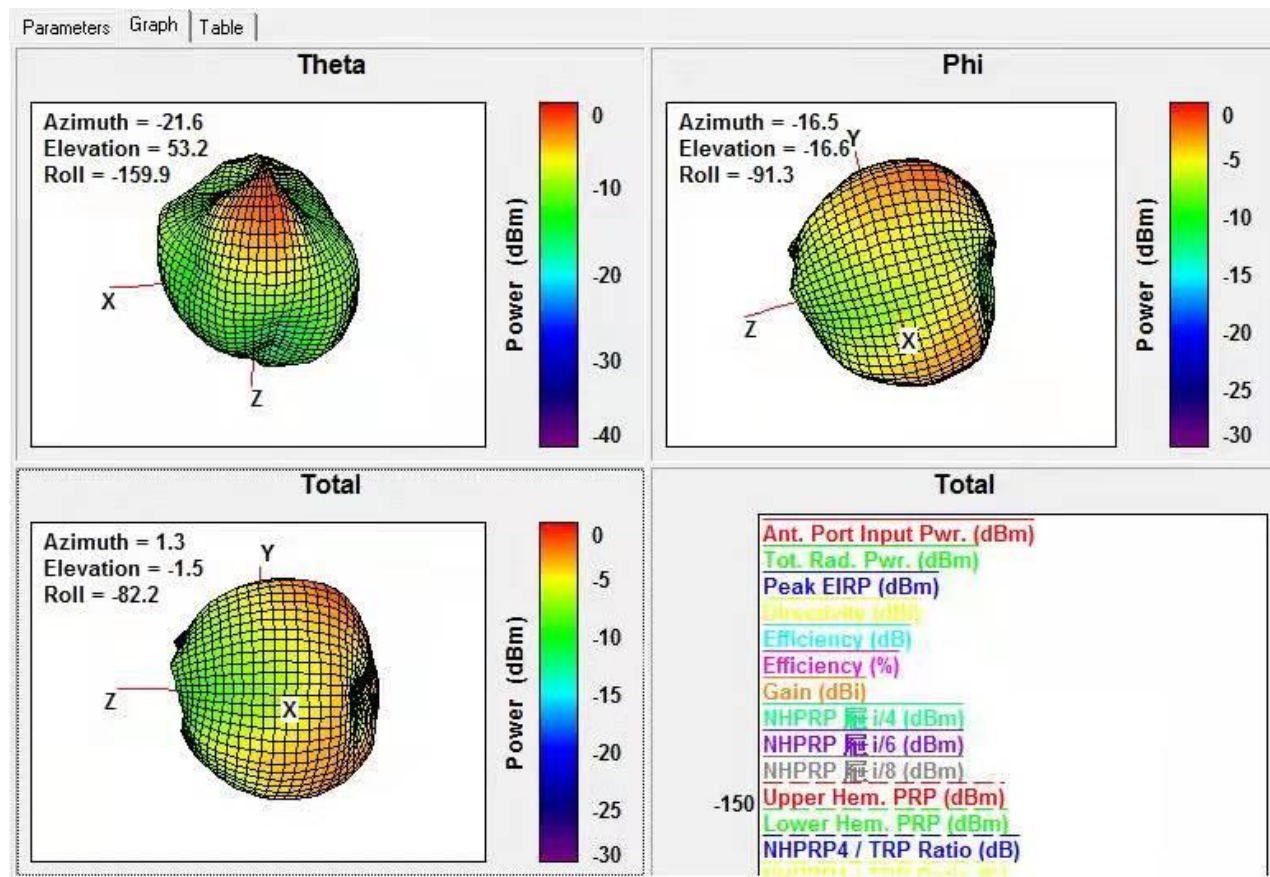


2022-12-7

2.4G效率图

		-90	-3.24	-5.75	-4.23	-3.29	-2.34	-2.20	-4.13		
		-60	-0.14	-1.40	-1.13	-1.21	-1.82	-3.20	-6.45		
		-30	-0.77	-0.52	-0.02	-0.62	-1.80	-3.38	-5.42		
		0	-1.83	-1.48	-1.00	-0.88	-1.11	-1.57	-1.83		
		30	-5.42	-6.01	-5.41	-3.74	-2.88	-1.78	-0.77		
		60	-6.45	-12.97	-6.16	-4.06	-1.73	-0.40	-0.14		
		90	-4.13	-7.64	-3.64	-2.08	-0.08	-0.70	-3.24		
		120	-1.63	-2.08	-1.09	-0.70	0.56	-1.13	-6.73		
		150	-0.09	-0.40	-1.29	-1.32	-3.28	-4.88	-5.76		
		180	-2.06	-2.86	-3.99	-3.16	-3.19	-3.24	-2.06		
Total	Point Values	Ant. Port Input Pwr. (dBm)	Tot. Rad. Pwr. (dBm)	Peak EIRP (dBm)	Directivity (dBi)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	NHPRP 扇 i/4 (dBm)	NHPRP 扇 i/6 (dBm)	NHPRP 扇 i/8 (dBm)
	Frequency (MHz)										
	2400	0	-3.37358	0.509107	3.88268	-3.37358	32.9878	-0.509107	-4.93975	-6.57173	-7.75
	2410	0	-3.51228	0.396347	3.90863	-3.51228	33.5422	-0.396347	-5.05546	-6.67618	-7.85
	2420	0	-3.26302	0.660005	3.92302	-3.26302	34.1735	-0.660005	-4.78122	-6.38035	-7.54
	2430	0	-2.9956	0.877294	3.8729	-2.9956	35.1695	-0.877294	-4.49181	-6.07537	-7.23
	2440	0	-2.84475	1.03147	3.87623	-2.84475	36.9427	-0.03147	-4.32142	-5.9094	-7.07
	2450	0	-2.83182	0.765306	3.59713	-2.83182	34.0976	-0.765306	-4.3072	-5.89492	-7.06
	2460	0	-2.66256	0.716926	3.37948	-2.66256	33.1682	-0.716926	-4.15826	-5.76147	-6.9
	2470	0	-2.61684	0.680099	3.29694	-2.61684	32.7415	-0.680099	-4.11421	-5.72072	-6.90
	2480	0	-2.67177	0.558264	3.23004	-2.67177	31.0533	-0.558264	-4.15381	-5.73949	-6.90

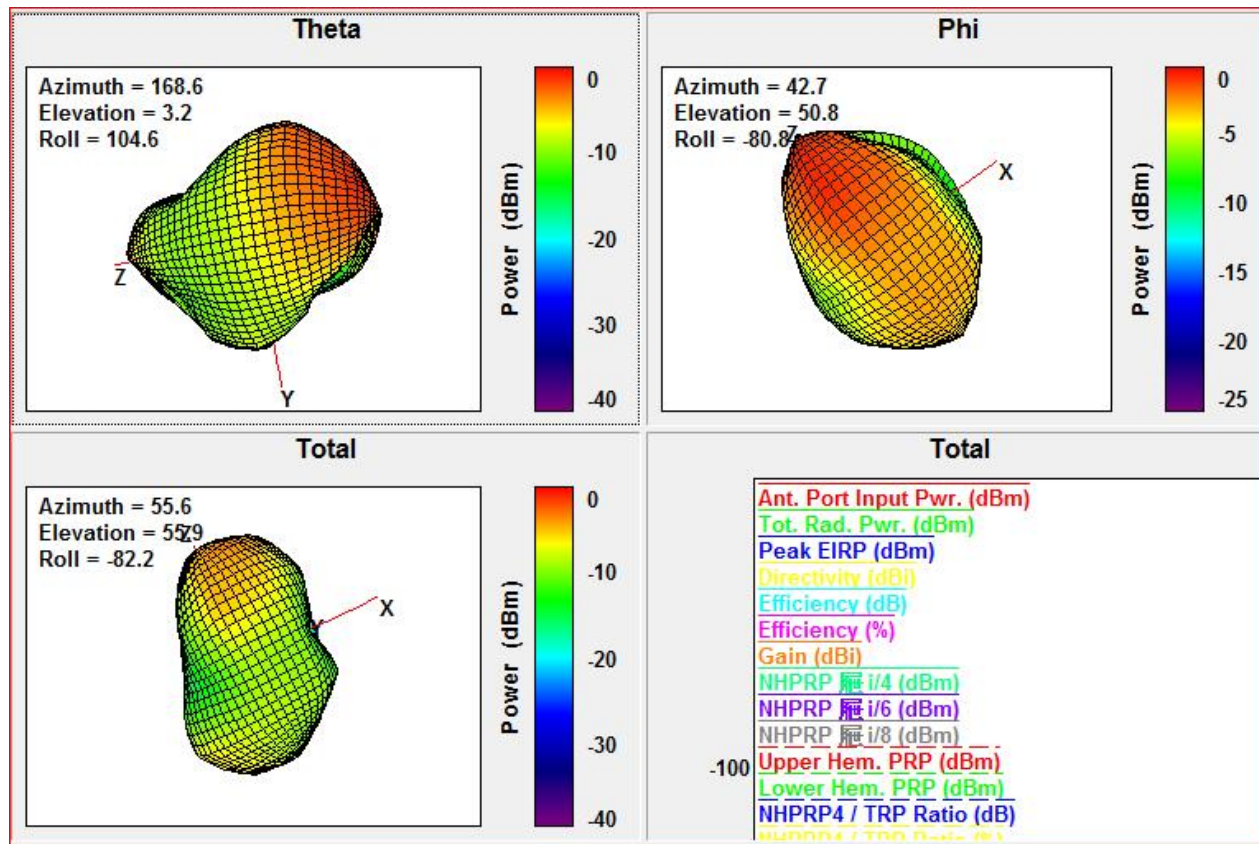
2.4G方向图



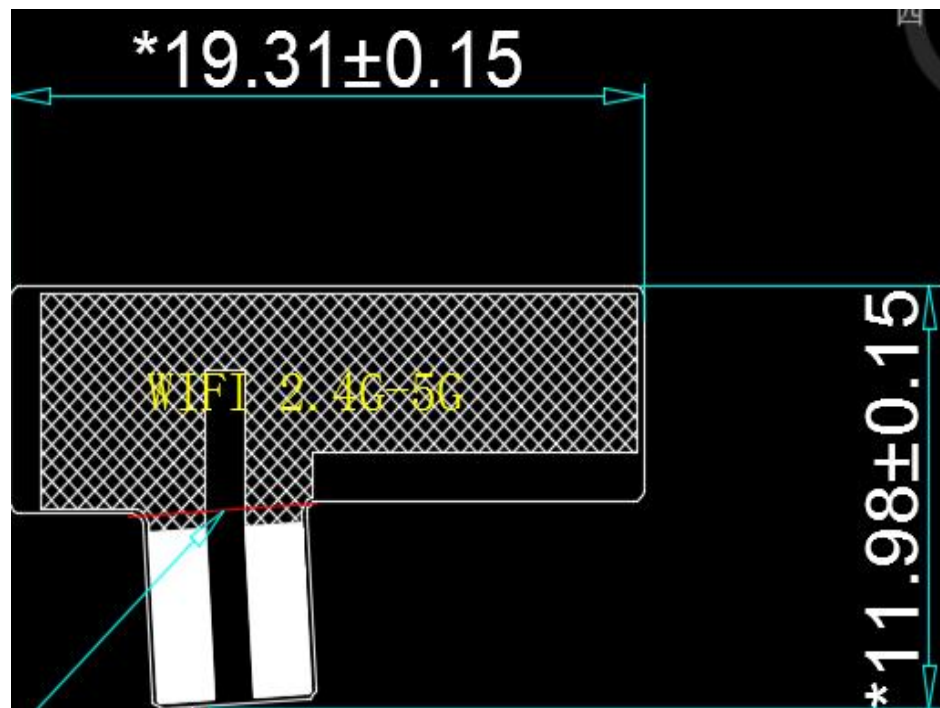
5.8G方向图

Parameters Graph Table											
		30	-0.27	0.70	0.69	-0.68	-1.24	-3.82	-3.56		
		60	-2.97	-0.36	1.23	0.39	-2.80	-8.37	-9.42		
		90	-13.24	-2.70	0.22	0.38	-3.02	-3.75	-14.26		
		120	-6.68	-3.40	0.07	0.54	-1.41	-4.56	-3.11		
		150	-1.65	-1.87	-0.12	-0.21	-3.18	-1.47	-1.63		
		180	-1.64	-1.22	0.02	0.16	-1.46	-1.41	-1.64		
Total	Point Values	Ant. Port Input Pwr. (dBm)	Tot. Rad. Pwr. (dBm)	Peak EIRP (dBm)	Directivity (dBi)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	NHPRP i/4 (dBm)	NHPRP i/6 (dBm)	NHPRF i/8 (d
	Frequency (MHz)										
	5100	0	-2.03996	2.33784	4.3778	-2.03996	33.5178	-0.33784	-4.18596	-6.08108	-7.30
	5160	0	-2.53047	1.33183	3.8623	-2.53047	35.841	-0.33183	-4.60953	-6.47791	-7.70
	5220	0	-2.03896	1.24427	3.28323	-2.03896	34.5323	-0.44427	-3.92927	-5.67413	-6.85
	5280	0	-2.10708	1.62326	3.73034	-2.10708	35.559	-0.62326	-4.02619	-5.79879	-6.99
	5340	0	-1.64282	2.04345	3.68627	-1.64282	36.5043	-0.34345	-3.48209	-5.22522	-6.42
	5400	0	-1.65203	2.09088	3.74291	-1.65203	37.3592	-0.39088	-3.50669	-5.22594	-6.39
	5460	0	-2.12023	1.73741	3.85764	-2.12023	37.3729	-0.73741	-3.90299	-5.6042	-6.78
	5520	0	-1.15252	2.2496	3.40212	-1.15252	36.6917	-0.2496	-2.88919	-4.53157	-5.67
	5580	0	-2.17849	1.21556	3.39405	-2.17849	35.5551	-0.21556	-3.9404	-5.65465	-6.84
	5640	0	-2.19537	0.991036	3.18641	-2.19537	35.3202	-0.491036	-4.02855	-5.77552	-6.97
	5700	0	-1.7429	1.57575	3.31866	-1.7429	34.9437	-0.57575	-3.59202	-5.38633	-6.62
	5760	0	-2.21533	1.32351	3.53884	-2.21533	34.0437	-0.32351	-4.11928	-5.94614	-7.1
	5800	0	-1.80508	1.22854	3.03362	-1.80508	33.9921	-0.22854	-3.57123	-5.32156	-6.54

5.8G效率图



天线规格



合作共赢

