



深圳市美禾嘉科技有限公司

Shenzhen Meihejia Technology Co., Ltd.

天线测试报告

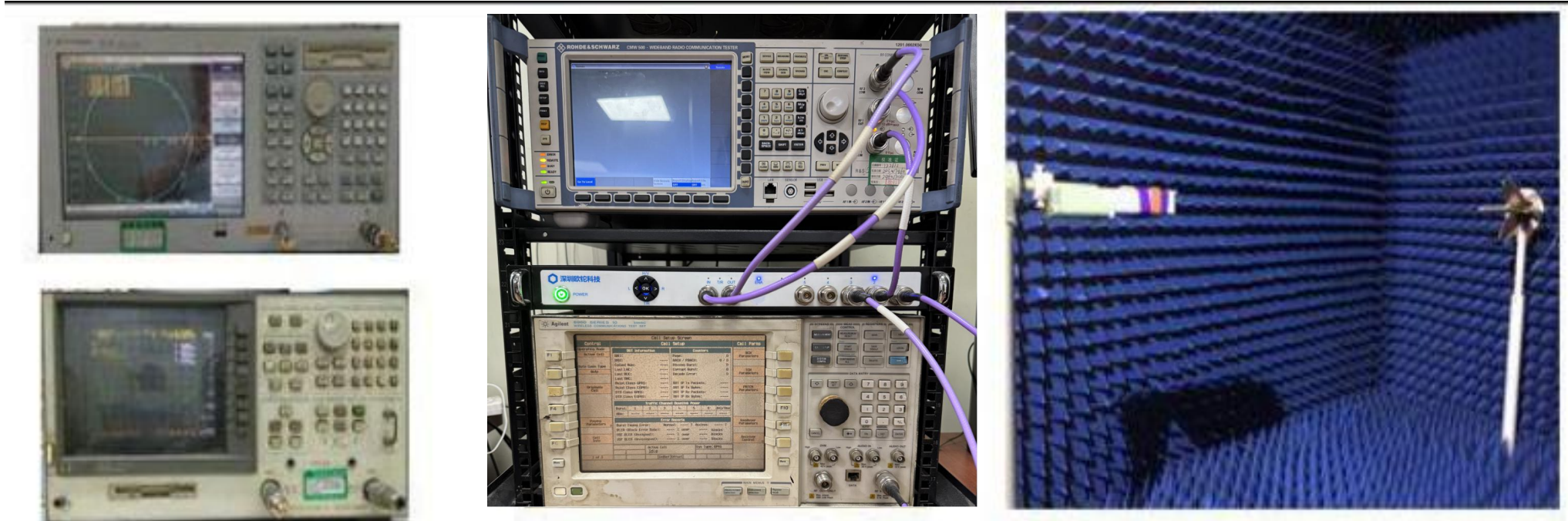


客户名称	福诺格	项目名称	X13XFT
调试频段	GSM:B2/B3/B5/B8 WCDMA:B1/B2/B5/B8 LTE:B2/B4/B5/B7/B12/B 17/B28 GPS/WIFI/BT	结构方式	FPC
射频工程师	韦工	结构工程师	梁工
天线类型	同轴线+FPC	日期	2025-05-09

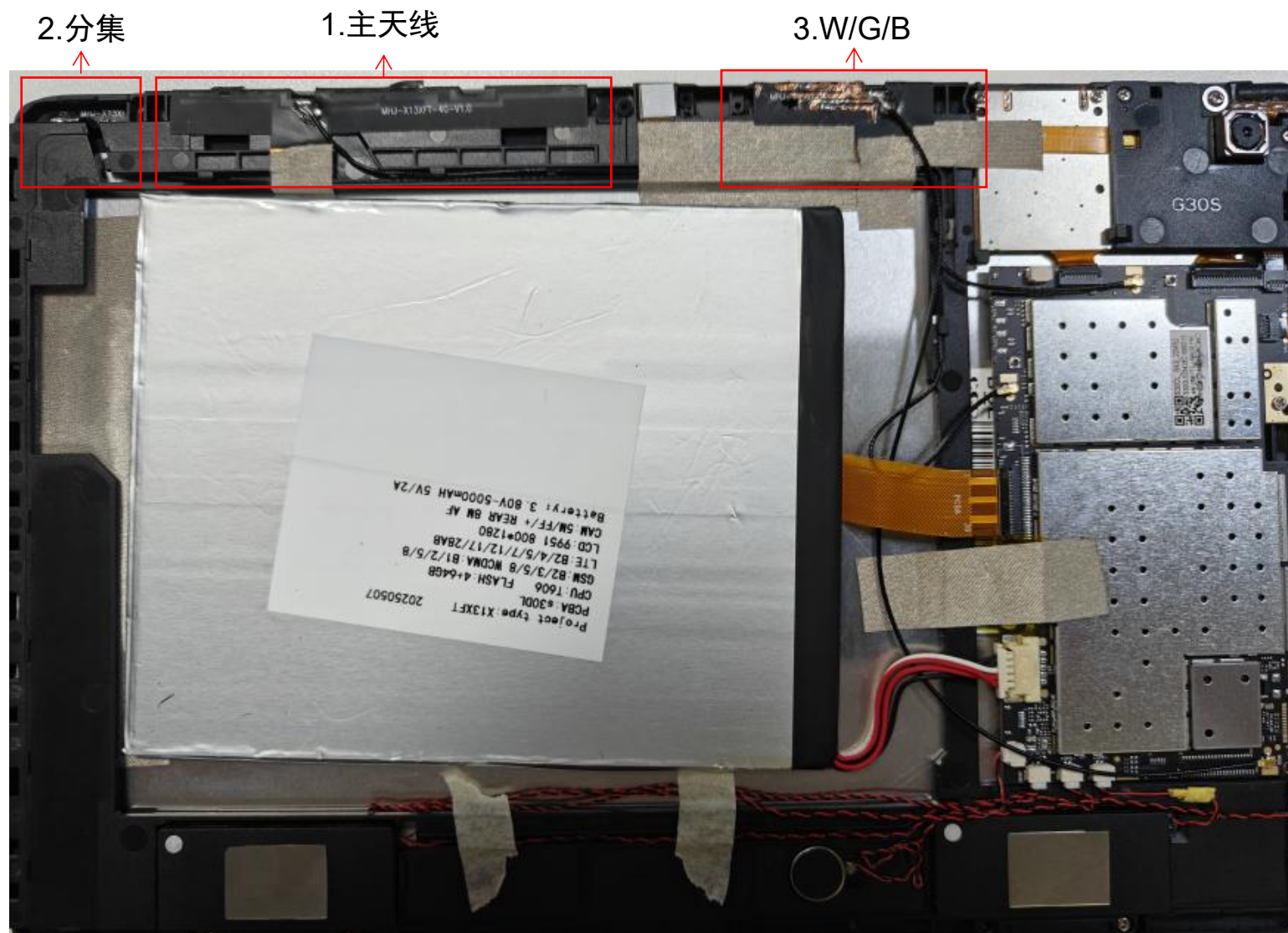
测试环境
Test environment

	测试项目	设备
1. S参数 (S-parameter)	1. 回波损耗 (Return Loss) 2. 电压驻波比 (VSWR)	网络分析仪: Agilent E5071B HP 8753D
2. 有源测试 (Active)	1. 发射功率 (TRP) 2. 接收灵敏度 (TIS)	1. 暗室: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2.综合测试仪: Agilent 8960 E5515B × 2 StarPoint SP6011
3.无源测试 (Passive)	1.天线增益 (Gain) 2.天线效率 (Efficiency)	1. 暗室: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. 网络分析仪: Agilent E5071B HP 8753D

测试设备 Test Equipment



天线位置 Antenna position





GSM

Frequency Band	GSM 850			DCS 1800		
channel	128	190	251	512	698	885
TRP	27.0	26.5	26.0	24.0	24.6	25.2
TIS			-101.2			-102.0
Frequency Band	EGSM 900			PCS 1900		
channel	1	62	124	512	661	810
TRP	24.2	23.7	23.8	24.0	24.2	24.3
TIS			-101.0			-102.7

WCDMA

Frequency Band	WCDMA 2100			WCDMA 1900		
channel	L	M	H	L	M	H
TRP	17.3	17.5	17.6	16.5	16.7	16.4
TIS			-104.2			-105.0
Frequency Band	WCDMA 850			WCDMA 900		
channel	L	M	H	L	M	H
TRP	18.0	17.6	17.0	13.5	13.3	13.1
TIS			-101.5			-102.0



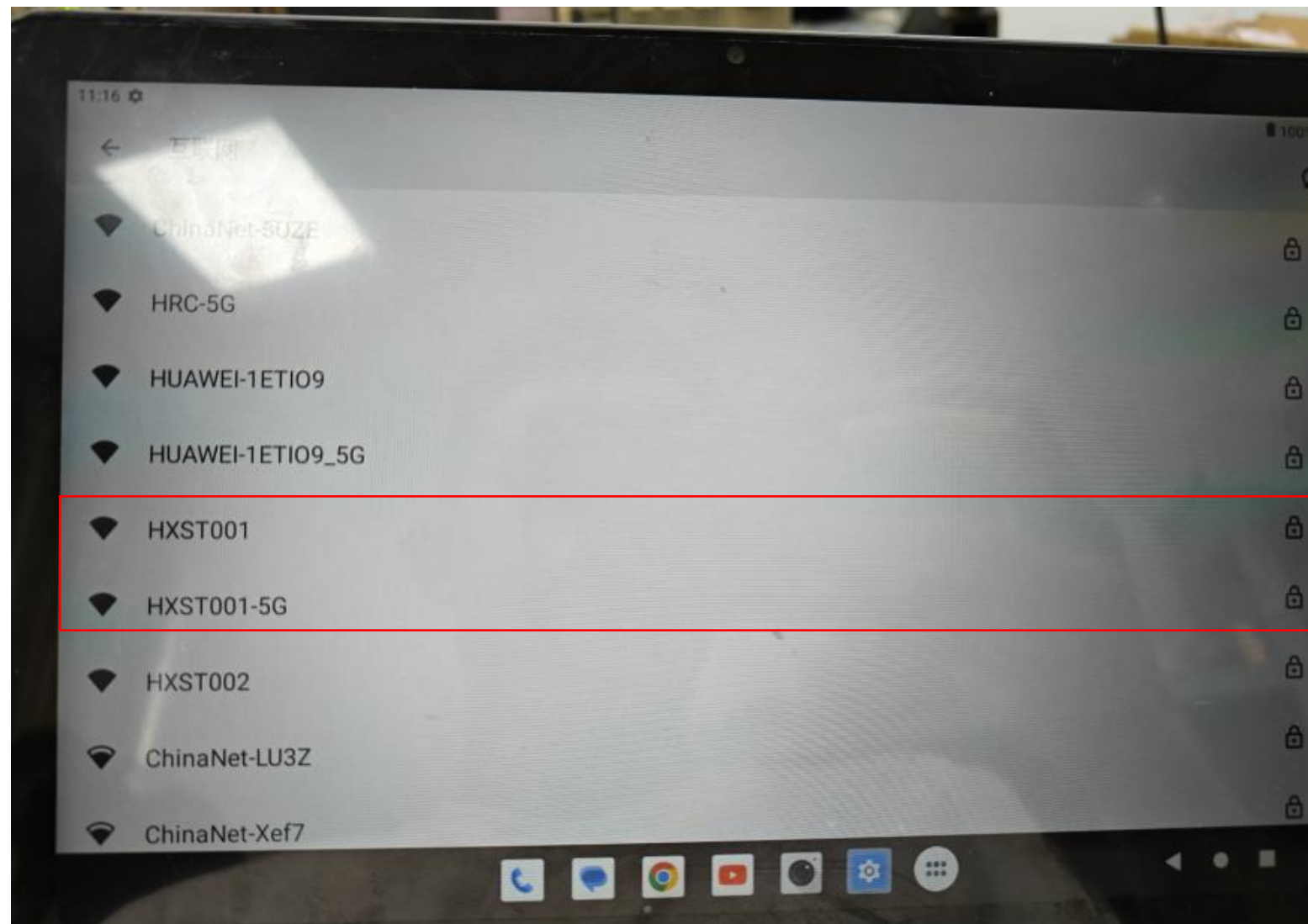
LTE

Frequency Band	B2			B4			B5		
channel	L	M	<u>H</u>	L	M	H	L	M	H
TRP	17.2	17.4	17.5	17.6	18.0	18.1	18.5	18.3	18.0
TIS			-90.8			-92.1			-87.8
Frequency Band	B7			B12			B17		
channel	L	M	H	L	M	H	L	M	H
TRP	18.2	18.3	18.4	16.7	16.8	17.0	16.8	16.8	17.2
TIS			-90.7			-90.5			-91.0
Frequency Band	B28			/			/		
channel	L	M	<u>H</u>	L	M	<u>H</u>	L	M	H
TRP	16.8	17.2	17.5	/	/	/	/	/	/
TIS			-92.3			/			/

Wifi天线实测

Wifi Antenna test

测试环境：
办公室内
距离路由器距离：
约15米





有源数据 Active data

Band	channel	DataRate	TRP	DataRate	TIS	Band	channel	DataRate	TRP	DataRate	TIS
WIFI2. 4G 802. 11b	1	11Mbps	12. 7	11Mbps	-81. 3	WIFI-5G 802. 11A	36	54Mbps	11. 8	54Mbps	-71. 3
	7		11.5		-80. 7		64		8.3		-69. 2
	11		12.2		-81. 2		149		10.2		-71. 0

GPS搜星测试

GPS star search test

GPS冷启动实测效果以下：
CN值40以上3颗
CN值35以上11颗 实际定位25颗

备注：
GPS搜星测试会因时间段及地区
而存在差异，以上数据为我司户外
测试最佳数据



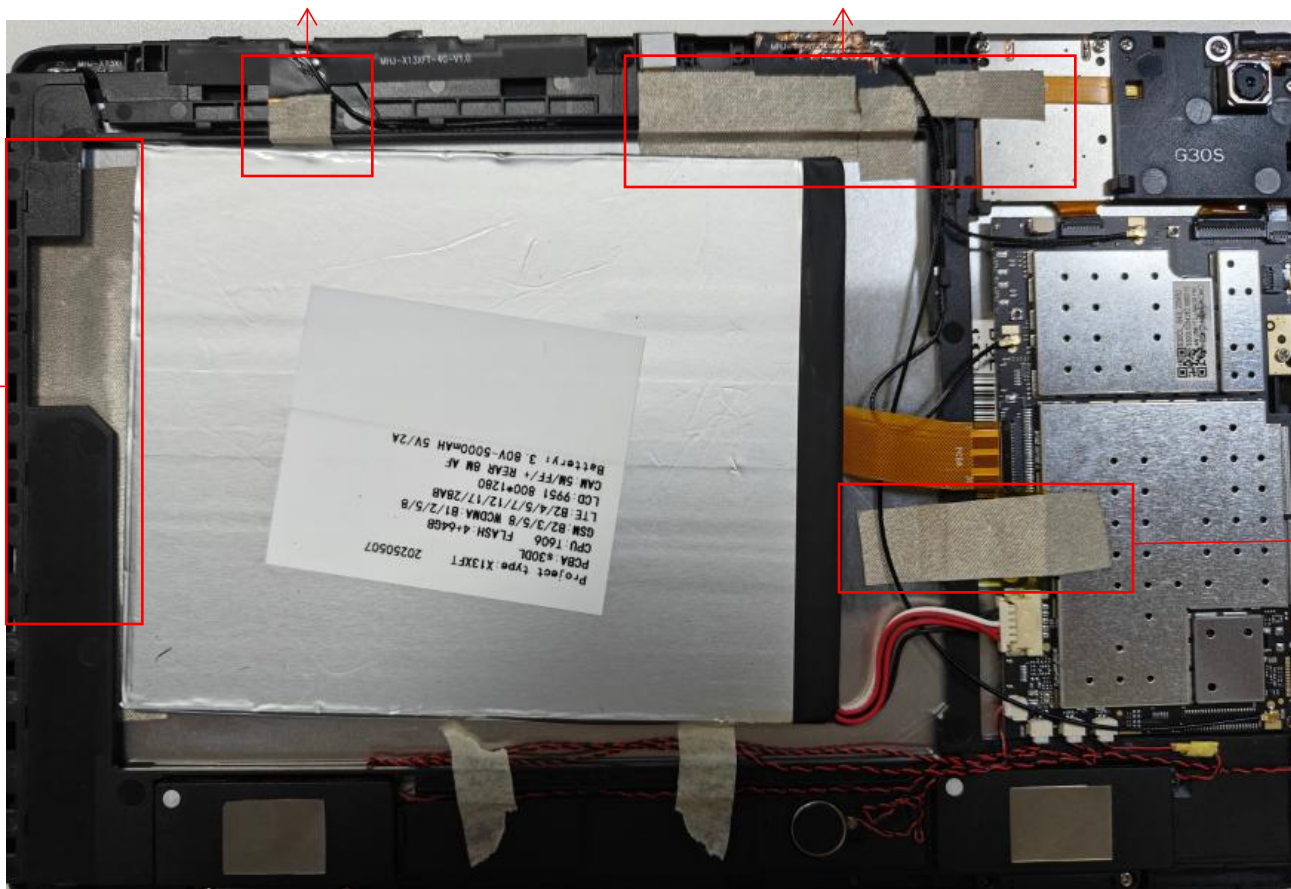
环境处理 Environmental treatment

1.主天线和WGB天线露铜位
贴导电布与屏接地；

2.摄像头排线贴导电布屏蔽；

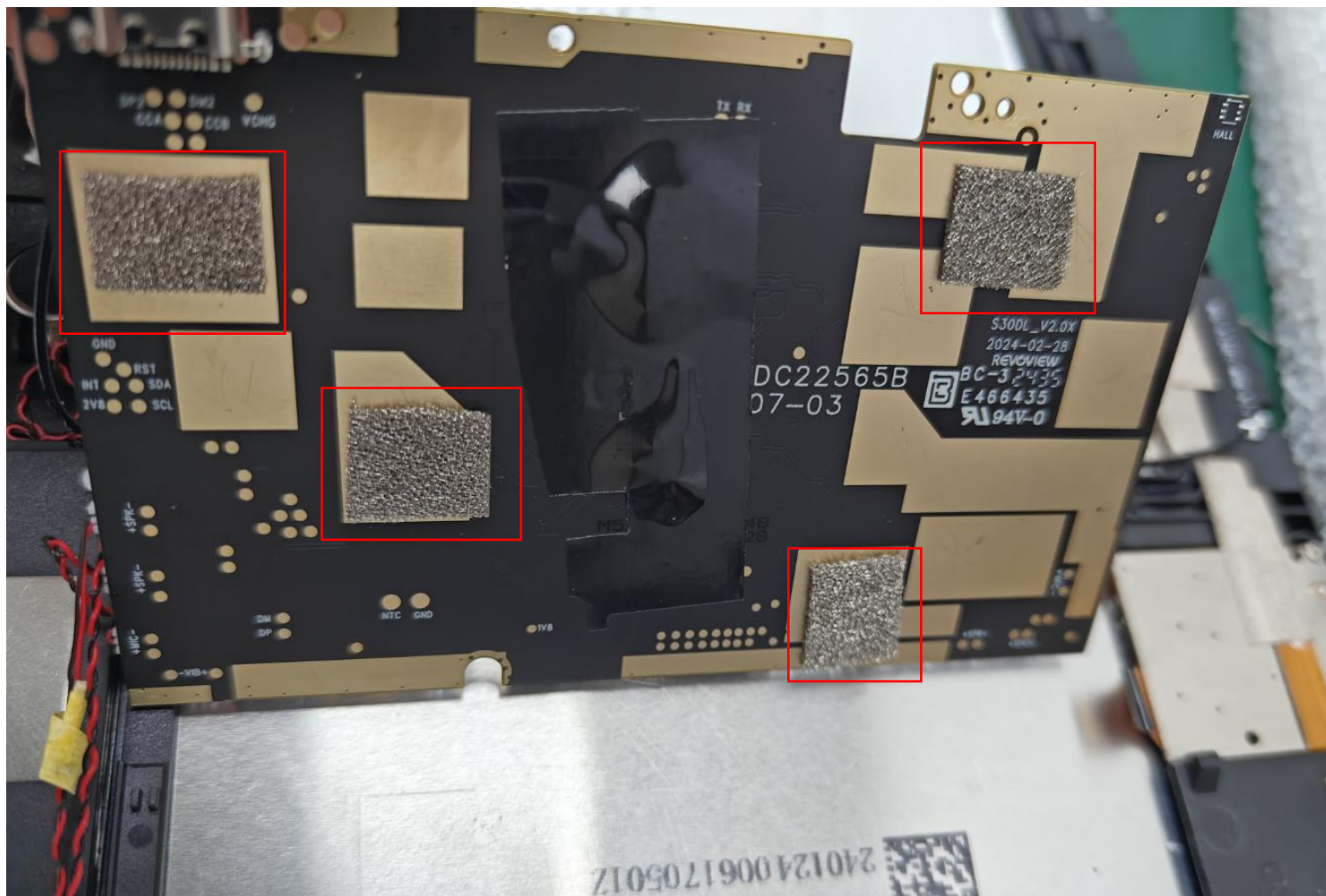
3.屏IC部位贴导电布屏蔽；

4.主板贴导电布与屏接地；



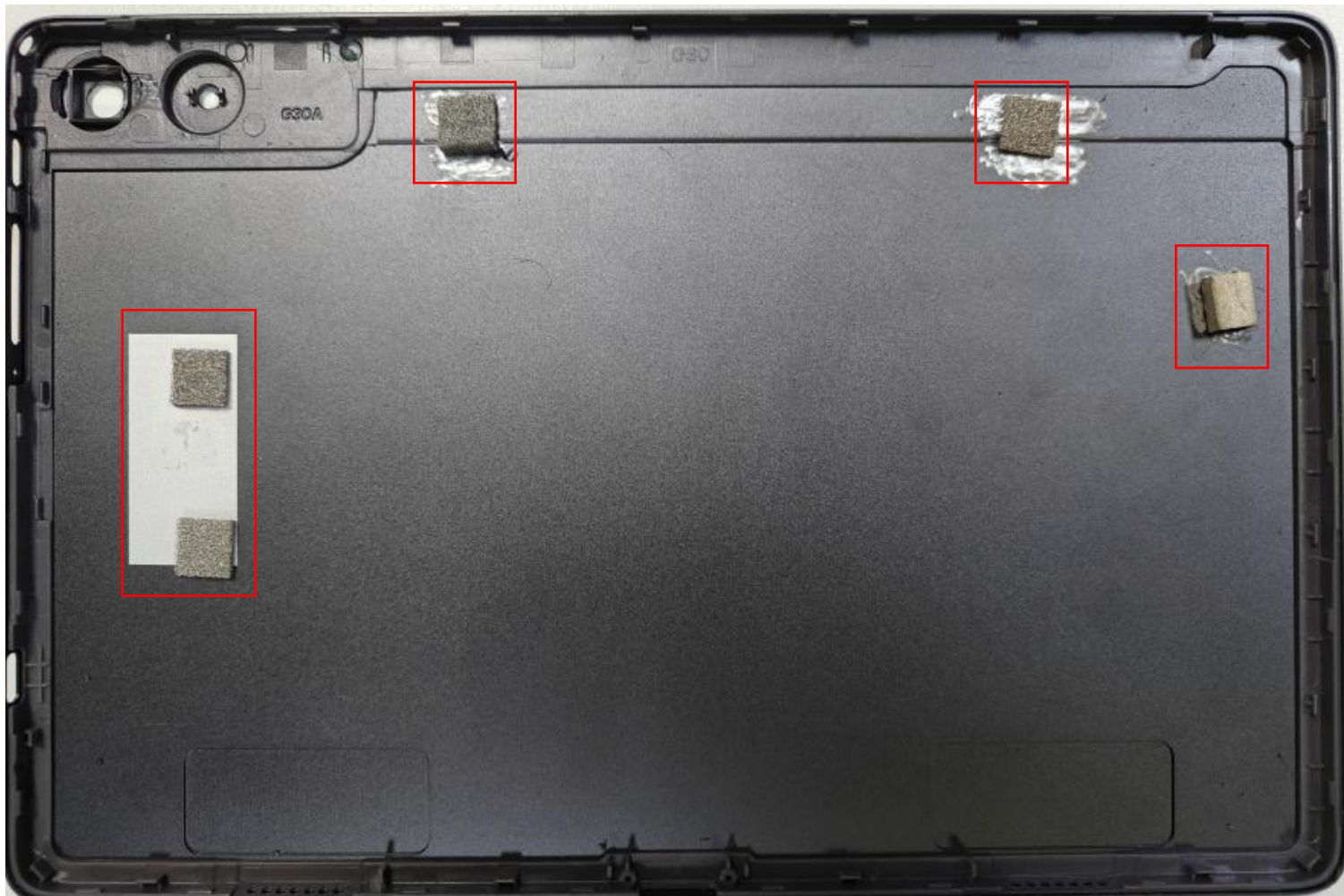
环境处理 Environmental treatment

5. 主板背面贴导电绒与屏接地



环境处理 Environmental treatment

6.底壳红框处镭雕并贴导电绒与主板和屏接地





Efficient (main antenna)

主天线

Passive Test For 700-1000(10M)										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
700	13.69	-8.64	-4.51	-6.66	5.97	7.72	-4.51	-20.23	44.3	44.38
705	14.51	-8.38	-4.33	-6.48	6.279	8.229	-4.33	-19.53	44.62	44.77
710	15.64	-8.06	-4.1	-6.25	6.752	8.89	-4.1	-18.92	44.94	45.15
715	15.97	-7.97	-3.88	-6.03	6.906	9.064	-3.88	-18.36	44.76	44.72
720	14.68	-8.33	-4.43	-6.58	6.34	8.344	-4.43	-19.42	44.58	44.28
725	14.48	-8.39	-4.45	-6.6	6.226	8.253	-4.45	-20.45	44.44	44.08
730	13.96	-8.55	-4.52	-6.67	5.968	7.987	-4.52	-21.62	44.31	43.88
735	13.63	-8.66	-4.71	-6.86	5.814	7.812	-4.71	-22.64	44.13	43.58
740	13.24	-8.78	-4.81	-6.96	5.639	7.596	-4.81	-23.21	43.96	43.28
745	14.18	-8.48	-4.6	-6.75	6.035	8.142	-4.6	-22.89	44.09	43.27
750	14.56	-8.37	-4.43	-6.58	6.176	8.382	-4.43	-22.31	44.23	43.25
755	15.67	-8.05	-4.35	-6.5	6.601	9.069	-4.35	-21.57	44.29	43.36
760	16.39	-7.86	-4.36	-6.51	6.842	9.543	-4.36	-21.16	44.36	43.47
765	15.05	-8.22	-4.63	-6.78	6.244	8.81	-4.63	-22.45	43.97	42.92
770	13.63	-8.66	-5.4	-7.55	5.637	7.99	-5.4	-24.64	43.58	42.38
775	14.02	-8.53	-5.36	-7.51	5.769	8.247	-5.36	-25.08	43.49	42.29
780	14.03	-8.53	-5.24	-7.39	5.768	8.265	-5.24	-23.82	43.38	42.22
785	15.55	-8.08	-4.74	-6.89	6.408	9.144	-4.74	-21.91	43.47	42.44
790	16.69	-7.78	-4.51	-6.66	6.869	9.818	-4.51	-19.55	43.56	42.67
795	16.09	-7.93	-4.67	-6.82	6.695	9.393	-4.67	-18.92	43.14	42.33
800	15.15	-8.2	-4.64	-6.79	6.426	8.72	-4.64	-19.58	42.72	42
805	14.83	-8.29	-4.88	-7.03	6.388	8.44	-4.88	-20.49	42.5	42.07
810	14.43	-8.41	-4.99	-7.14	6.313	8.114	-4.99	-21.63	42.29	42.15
815	14.61	-8.35	-4.78	-6.93	6.514	8.097	-4.78	-22.77	42.23	42.14

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Efficient (main antenna)

主天线

820	13.69	-8.64	-5.14	-7.29	6.202	7.49	-5.14	-24.57	42.18	42.13
825	14.63	-8.35	-4.88	-7.03	6.697	7.935	-4.88	-26.42	42.29	42.27
830	15	-8.24	-4.77	-6.92	6.897	8.108	-4.77	-27.17	42.39	42.41
835	15.3	-8.15	-4.63	-6.78	7.074	8.222	-4.63	-26.08	42.45	42.52
840	15.28	-8.16	-4.66	-6.81	7.088	8.194	-4.66	-25.08	42.51	42.62
845	14.77	-8.31	-4.76	-6.91	6.823	7.947	-4.76	-23.96	42.6	42.7
850	14.21	-8.48	-4.92	-7.07	6.543	7.663	-4.92	-22.96	42.68	42.77
855	14.76	-8.31	-4.72	-6.87	6.795	7.964	-4.72	-22.39	42.75	42.93
860	14.55	-8.37	-4.81	-6.96	6.722	7.827	-4.81	-22.01	42.82	43.1
865	14.43	-8.41	-4.92	-7.07	6.687	7.739	-4.92	-21.72	42.89	43.1
870	13.96	-8.55	-5.1	-7.25	6.527	7.434	-5.1	-22.1	42.96	43.1
875	13.64	-8.65	-5.2	-7.35	6.462	7.179	-5.2	-22.01	43.06	43.25
880	13.2	-8.8	-5.3	-7.45	6.332	6.865	-5.3	-22.45	43.16	43.39
885	13.59	-8.67	-4.88	-7.03	6.561	7.026	-4.88	-22.74	43.28	43.34
890	12.56	-9.01	-5.28	-7.43	6.108	6.454	-5.28	-23.36	43.4	43.29
895	12.99	-8.86	-5.11	-7.26	6.342	6.653	-5.11	-23.84	43.46	43.37
900	13.03	-8.85	-5.06	-7.21	6.353	6.674	-5.06	-24.27	43.53	43.46
905	13.49	-8.7	-4.9	-7.05	6.535	6.955	-4.9	-24.3	43.65	43.78
910	15.4	-8.12	-4.39	-6.54	7.447	7.954	-4.39	-24.45	43.77	44.11
915	14.95	-8.25	-4.56	-6.71	7.248	7.705	-4.56	-25.32	43.96	44.17
920	15.81	-8.01	-4.26	-6.41	7.652	8.159	-4.26	-25.29	44.16	44.23
925	15.71	-8.04	-4.52	-6.67	7.623	8.087	-4.52	-25.61	44.16	44.36
930	16.16	-7.92	-4.46	-6.61	7.904	8.256	-4.46	-25.83	44.17	44.49
935	16.63	-7.79	-4.41	-6.56	8.218	8.41	-4.41	-26.56	44.24	44.52
940	16.73	-7.76	-4.43	-6.58	8.317	8.418	-4.43	-25.94	44.31	44.56
945	17.03	-7.69	-4.39	-6.54	8.518	8.507	-4.39	-24.09	44.38	44.64

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Efficient (main antenna)

主天线

950	17.63	-7.54	-4.33	-6.48	8.927	8.701	-4.33	-22.22	44.46	44.73
955	16.76	-7.76	-4.58	-6.73	8.609	8.148	-4.58	-20.8	44.29	44.48
960	16	-7.96	-4.69	-6.84	8.287	7.716	-4.69	-19.52	44.12	44.24
965	15.28	-8.16	-4.84	-6.99	8.001	7.277	-4.84	-19.84	44.1	44.22
970	14.88	-8.27	-4.81	-6.96	7.889	6.987	-4.81	-20.12	44.09	44.2
975	14.37	-8.42	-4.82	-6.97	7.683	6.692	-4.82	-20.59	44.11	44.09
980	14.56	-8.37	-4.75	-6.9	7.816	6.739	-4.75	-20.95	44.13	43.98
985	14.73	-8.32	-4.53	-6.68	7.964	6.763	-4.53	-21.24	44.08	44.19
990	14.95	-8.25	-4.51	-6.66	8.136	6.815	-4.51	-20.67	44.03	44.39
995	17.71	-7.52	-3.94	-6.09	9.693	8.021	-3.94	-19.51	44.93	45.21
1000	20.58	-6.87	-3.35	-5.5	11.237	9.339	-3.35	-17.87	45.83	46.03

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Efficient (main antenna)

主天线

Passive Test For 1600-3000(10m)										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
1600	16.9	-7.72	-2.23	-4.38	10.47	6.425	-2.23	-18.84	49.88	49.81
1610	22.87	-6.41	-1.5	-3.65	14.631	8.242	-1.5	-20.18	50.04	50.09
1620	19.84	-7.02	-2.11	-4.26	12.147	7.694	-2.11	-17.82	50.22	50.06
1630	18.83	-7.25	-2.55	-4.7	11.801	7.032	-2.55	-22.9	50.24	50.47
1640	19.99	-6.99	-2.54	-4.69	12.41	7.579	-2.54	-23.22	49.98	50.09
1650	20.22	-6.94	-2.83	-4.98	12.396	7.828	-2.83	-20.3	49.83	49.69
1660	18.97	-7.22	-3.15	-5.3	11.4	7.573	-3.15	-23	49.91	49.86
1670	18.88	-7.24	-2.97	-5.12	11.164	7.717	-2.97	-23.56	50.2	50.43
1680	21.36	-6.7	-2.31	-4.46	12.391	8.966	-2.31	-21.31	50.96	51.17
1690	24.28	-6.15	-1.69	-3.84	13.764	10.516	-1.69	-19.12	51.31	51.44
1700	20.75	-6.83	-2.61	-4.76	11.509	9.243	-2.61	-18.3	50.56	50.76
1710	20.09	-6.97	-2.96	-5.11	10.936	9.158	-2.96	-18.45	50.68	50.58
1720	21.64	-6.65	-2.61	-4.76	11.694	9.95	-2.61	-18.2	50.66	50.74
1730	22.5	-6.48	-2.39	-4.54	11.951	10.554	-2.39	-18.99	50.63	50.79
1740	21.83	-6.61	-2.15	-4.3	11.041	10.793	-2.15	-19.61	50.93	50.48
1750	23.19	-6.35	-2.02	-4.17	11.656	11.534	-2.02	-19.58	51.18	51.06
1760	24.44	-6.12	-1.8	-3.95	11.826	12.61	-1.8	-19.75	51.44	50.93
1770	26.7	-5.74	-1.56	-3.71	13.07	13.627	-1.56	-20.05	51.35	51.44
1780	25.61	-5.92	-1.71	-3.86	12.356	13.259	-1.71	-20.16	51.41	51.39
1790	25.78	-5.89	-1.66	-3.81	12.142	13.637	-1.66	-19.49	51.42	51.58
1800	26.52	-5.76	-1.26	-3.41	12.192	14.325	-1.26	-19.21	51.3	51.49
1810	27.07	-5.68	-1.08	-3.23	12.081	14.985	-1.08	-18.86	51.51	51.58
1820	26.66	-5.74	-1.01	-3.16	11.645	15.019	-1.01	-18.97	51.55	51.83
1830	27.12	-5.67	-0.91	-3.06	11.882	15.238	-0.91	-20.18	51.89	52.62

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Efficient (main antenna)

主天线

1840	27.25	-5.65	-0.56	-2.71	11.408	15.839	-0.56	-22.52	51.93	52.2
1850	29.27	-5.34	-0.16	-2.31	11.769	17.497	-0.16	-23.66	51.96	52.02
1860	27.7	-5.58	-0.26	-2.41	10.9	16.796	-0.26	-25.15	51.72	52.31
1870	25.38	-5.96	-0.36	-2.51	9.362	16.018	-0.36	-25.43	51.56	51.35
1880	29.12	-5.36	0.34	-1.81	11.022	18.094	0.34	-25.35	51.54	52.32
1890	29.67	-5.28	0.41	-1.74	10.709	18.957	0.41	-22.04	51.56	51.7
1900	30.19	-5.2	0.62	-1.53	10.838	19.353	0.62	-19.52	51.87	51.96
1910	32.11	-4.93	0.85	-1.3	11.801	20.312	0.85	-19.8	51.92	52.75
1920	36.45	-4.38	1.37	-0.78	13.349	23.101	1.37	-20.28	52.13	52.95
1930	36.92	-4.33	1.46	-0.69	13.079	23.841	1.46	-20.37	52.26	52.74
1940	33.83	-4.71	1.24	-0.91	11.869	21.958	1.24	-19.17	52.26	52.72
1950	33.79	-4.71	1.37	-0.78	11.292	22.493	1.37	-19.11	52.33	52.41
1960	33.78	-4.71	1.59	-0.56	10.945	22.838	1.59	-20.26	52.2	52.13
1970	35.84	-4.46	2.05	-0.1	11.426	24.418	2.05	-21.85	52.38	52.63
1980	36.58	-4.37	2.3	0.15	11.496	25.085	2.3	-23.49	52.69	53.26
1990	35.71	-4.47	2.18	0.03	10.701	25.006	2.18	-23.91	52.96	53.07
2000	39.17	-4.07	2.77	0.62	11.577	27.591	2.77	-20.64	52.96	53.44
2010	38.89	-4.1	2.94	0.79	11.153	27.739	2.94	-16.42	52.95	53.45
2020	36.83	-4.34	2.85	0.7	10.348	26.48	2.85	-15.65	52.89	53.62
2030	36.65	-4.36	2.8	0.65	9.904	26.741	2.8	-16.24	52.97	53.36
2040	39.27	-4.06	3.24	1.09	10.581	28.693	3.24	-15.62	53.17	53.74
2050	40.87	-3.89	3.29	1.14	10.745	30.13	3.29	-16.97	53.45	53.99
2060	39.41	-4.04	3.02	0.87	10.195	29.219	3.02	-17.19	53.75	54.01
2070	40.66	-3.91	3.31	1.16	10.501	30.158	3.31	-17.22	53.78	54.53
2080	40.55	-3.92	3.35	1.2	10.424	30.124	3.35	-16.45	53.61	54.52
2090	34.65	-4.6	2.37	0.22	8.368	26.281	2.37	-16.85	53.39	52.95

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Efficient (main antenna)

主天线

2100	33.12	-4.8	2.41	0.26	8.047	25.07	2.41	-16.75	53.21	53.74
2110	31.45	-5.02	2.15	0	7.513	23.933	2.15	-15.83	52.81	53.4
2120	35.41	-4.51	2.76	0.61	8.425	26.989	2.76	-14.37	53.09	54.12
2130	33.94	-4.69	2.46	0.31	7.851	26.09	2.46	-14.38	53.4	53.93
2140	30.04	-5.22	1.97	-0.18	6.876	23.162	1.97	-14.46	53.42	53.81
2150	30.3	-5.19	1.89	-0.26	6.969	23.333	1.89	-15.18	53.14	53.74
2160	34.67	-4.6	2.49	0.34	8.061	26.609	2.49	-14.46	53.36	54.43
2170	32.53	-4.88	2.11	-0.04	7.567	24.964	2.11	-13.74	53.24	54.18
2180	29.75	-5.27	1.47	-0.68	6.88	22.866	1.47	-12.86	53.12	53.45
2190	30.31	-5.18	1.45	-0.7	7.088	23.221	1.45	-13.01	53.06	53.71
2200	34.82	-4.58	2.1	-0.05	8.182	26.641	2.1	-12.95	53.52	54.5
2210	33.88	-4.7	1.95	-0.2	8.025	25.86	1.95	-13.78	53.71	54.72
2220	31.75	-4.98	1.47	-0.68	7.459	24.291	1.47	-14.58	53.67	54.38
2230	32.73	-4.85	1.66	-0.49	7.824	24.907	1.66	-14.74	53.53	54.57
2240	33.63	-4.73	1.88	-0.27	8.225	25.4	1.88	-14.68	53.59	54.86
2250	33.05	-4.81	1.84	-0.31	8.256	24.793	1.84	-14.15	53.72	55.1
2260	33.03	-4.81	1.88	-0.27	8.436	24.598	1.88	-13.14	53.84	55.61
2270	33.6	-4.74	1.81	-0.34	8.602	25	1.81	-12.88	53.94	55.12
2280	34.71	-4.6	1.84	-0.31	8.936	25.777	1.84	-13.36	54.09	55.43
2290	34.23	-4.66	1.7	-0.45	8.997	25.231	1.7	-14.87	54.85	56.01
2300	36.25	-4.41	2.06	-0.09	9.837	26.411	2.06	-15.73	55.12	56.6
2310	36.62	-4.36	2.15	0	10.203	26.413	2.15	-15.98	54.91	56.5
2320	34.99	-4.56	1.89	-0.26	9.853	25.136	1.89	-15.63	54.8	56.13
2330	34.17	-4.66	1.75	-0.4	9.733	24.434	1.75	-15.25	55.05	56.33
2340	36.46	-4.38	2.44	0.29	10.436	26.023	2.44	-14.32	55.41	57.9
2350	37.08	-4.31	2.34	0.19	10.566	26.517	2.34	-16.1	55.72	57.75

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Efficient (main antenna)

主天线

2360	36.62	-4.36	2.35	0.2	10.425	26.199	2.35	-17.83	55.95	57.79
2370	31.39	-5.03	1.64	-0.51	8.863	22.53	1.64	-20.47	55.79	57.25
2380	32.81	-4.84	1.84	-0.31	9.393	23.415	1.84	-19.67	55.95	57.45
2390	32.73	-4.85	2.07	-0.08	9.586	23.145	2.07	-19.14	55.8	57.98
2400	30.15	-5.21	1.36	-0.79	9.163	20.991	1.36	-17.43	55.76	57.21
2410	31.21	-5.06	2.03	-0.12	9.515	21.697	2.03	-17.6	55.83	58.53
2420	32.1	-4.94	1.84	-0.31	9.888	22.208	1.84	-17.1	56.07	58.09
2430	35.31	-4.52	2.18	0.03	11.097	24.209	2.18	-16.64	56.25	58.05
2440	34.48	-4.62	2.08	-0.07	10.943	23.536	2.08	-16.51	56.61	58.56
2450	33.75	-4.72	2.01	-0.14	10.863	22.888	2.01	-15.53	56.87	58.64
2460	31.15	-5.06	1.46	-0.69	10.448	20.706	1.46	-15.16	56.54	57.97
2470	30.69	-5.13	1.64	-0.51	10.544	20.147	1.64	-14.48	56.17	58.01
2480	31.79	-4.98	1.56	-0.59	11.249	20.545	1.56	-14.21	56.4	57.83
2490	29.3	-5.33	1.11	-1.04	10.666	18.637	1.11	-14.39	56.48	57.83
2500	29.87	-5.25	1.2	-0.95	11.109	18.761	1.2	-14.2	56.61	58.07
2510	32.5	-4.88	1.17	-0.98	12.38	20.122	1.17	-13.7	56.67	57.71
2520	29.93	-5.24	0.77	-1.38	11.661	18.274	0.77	-13.76	56.43	57.53
2530	27.09	-5.67	0.66	-1.49	10.781	16.31	0.66	-13.25	56.01	57.64
2540	26.13	-5.83	0.18	-1.97	10.816	15.311	0.18	-13.6	55.93	56.88
2550	28.21	-5.5	0.18	-1.97	12.061	16.154	0.18	-14.7	56.13	56.87
2560	28.93	-5.39	0.37	-1.78	12.681	16.247	0.37	-15.52	56.34	57.38
2570	28.44	-5.46	0.34	-1.81	12.667	15.77	0.34	-16.03	56.6	58.31
2580	26.97	-5.69	-0.57	-2.72	12.529	14.444	-0.57	-16.42	56.27	56.52
2590	28.73	-5.42	-0.29	-2.44	13.735	14.99	-0.29	-15.18	56.34	56.49
2600	27.47	-5.61	-0.56	-2.71	13.486	13.984	-0.56	-16.24	56.36	56.49
2610	28.14	-5.51	-0.76	-2.91	14.22	13.923	-0.76	-17.18	56.44	57

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Efficient (main antenna)

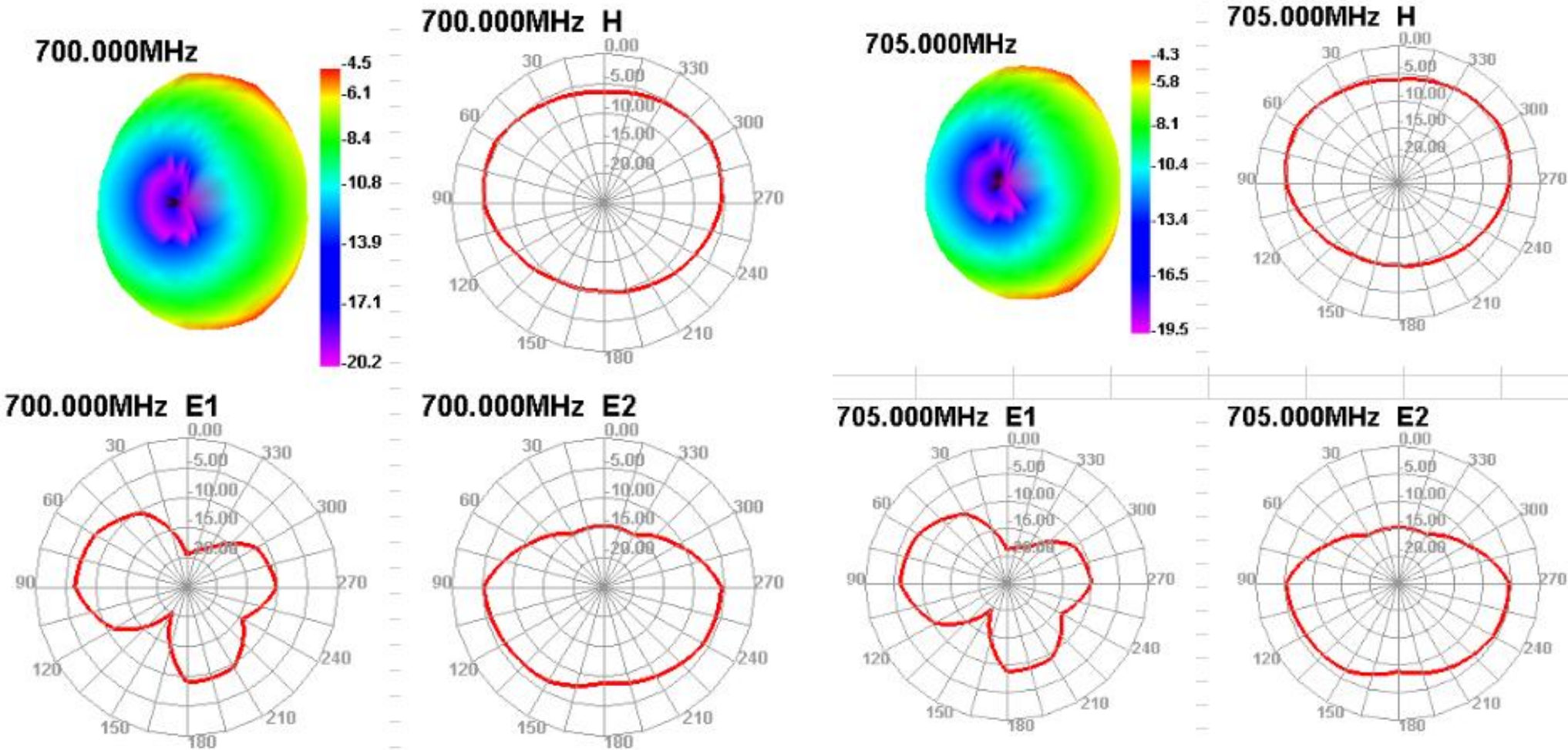
主天线

2620	27.02	-5.68	-1.25	-3.4	13.994	13.024	-1.25	-17.69	56.28	56.17
2630	31.76	-4.98	-0.57	-2.72	16.687	15.072	-0.57	-17.48	56.47	56.78
2640	31.82	-4.97	-0.37	-2.52	17.16	14.657	-0.37	-17.82	56.79	57.41
2650	28.96	-5.38	-0.37	-2.52	16.094	12.862	-0.37	-17	57.31	57.11
2660	38.26	-4.17	0.59	-1.56	21.61	16.651	0.59	-15.04	57.71	58.3
2670	43.9	-3.58	1.2	-0.95	25.227	18.669	1.2	-13.61	57.8	58.5
2680	43.22	-3.64	1.29	-0.86	25.212	18.008	1.29	-13.93	57.75	58.3
2690	38.78	-4.11	0.91	-1.24	23.115	15.661	0.91	-14.31	57.63	57.85
2700	35.33	-4.52	0.71	-1.44	21.419	13.906	0.71	-16.57	57.44	57.44
2710	40	-3.98	1.4	-0.75	24.671	15.329	1.4	-16.63	57.88	58.15
2720	43.94	-3.57	2.17	0.02	27.63	16.314	2.17	-17.53	58.5	58.3
2730	47.18	-3.26	2.16	0.01	29.857	17.325	2.16	-19.37	58.49	58.98
2740	46.08	-3.37	2.27	0.12	29.439	16.638	2.27	-22.16	58.67	59.01
2750	42.65	-3.7	2.23	0.08	27.564	15.087	2.23	-21.78	58.87	58.56
2760	47.31	-3.25	2.87	0.72	30.856	16.451	2.87	-22.66	59.85	59.09
2770	43.39	-3.63	2.27	0.12	28.282	15.111	2.27	-24.17	59.59	59.36
2780	49.31	-3.07	2.3	0.15	31.695	17.615	2.3	-24.89	59.68	60.73
2790	48.04	-3.18	3.05	0.9	31.528	16.513	3.05	-21.95	60.44	59.51
2800	38.14	-4.19	1.48	-0.67	24.508	13.63	1.48	-19.45	59.26	59.51

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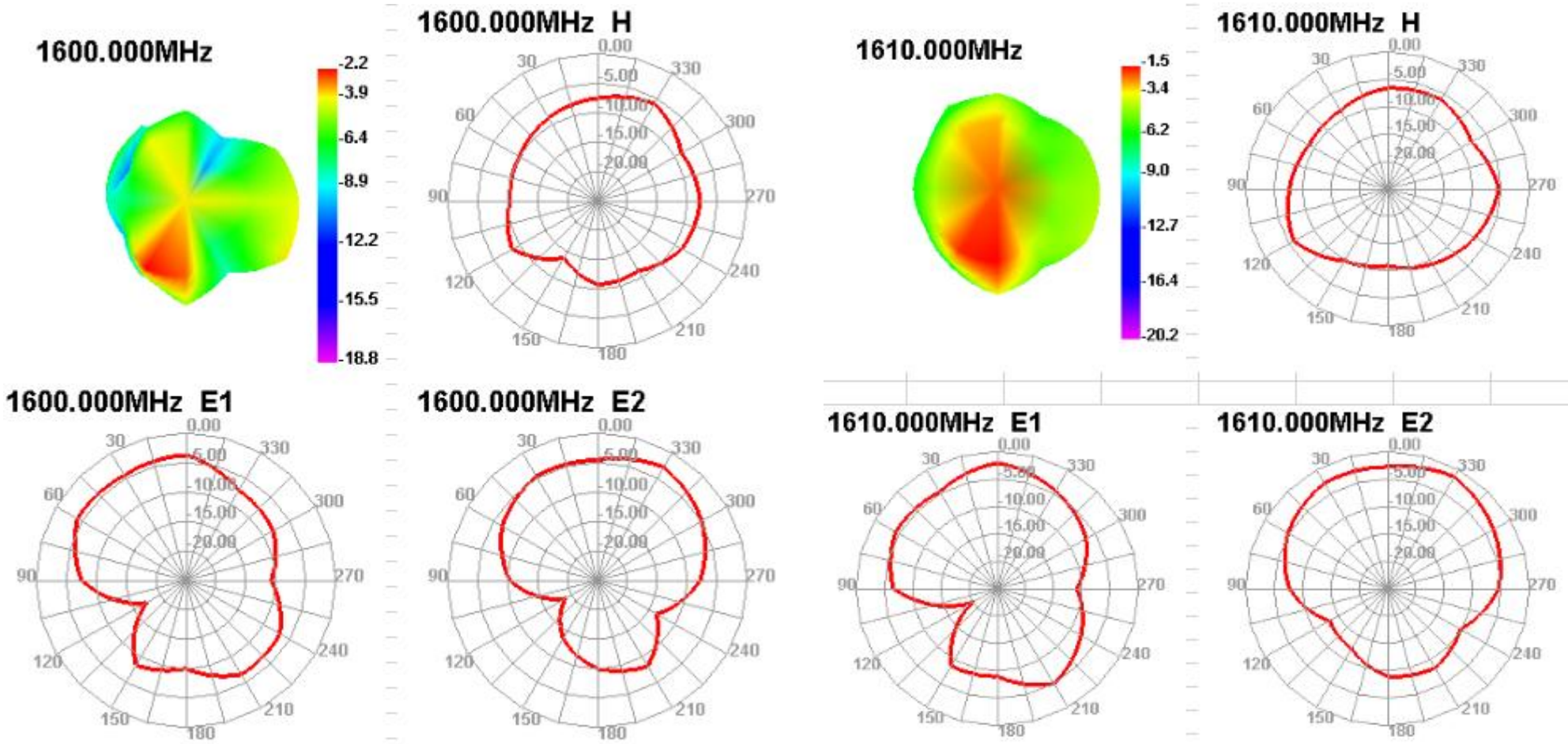
Efficient (main antenna)

主天线



Efficient (main antenna)

主天线



Address: Building 43, Zhongwu Industrial Zone, Xixiang Street, Bao's District, Shenzhen



Efficient (main antenna)

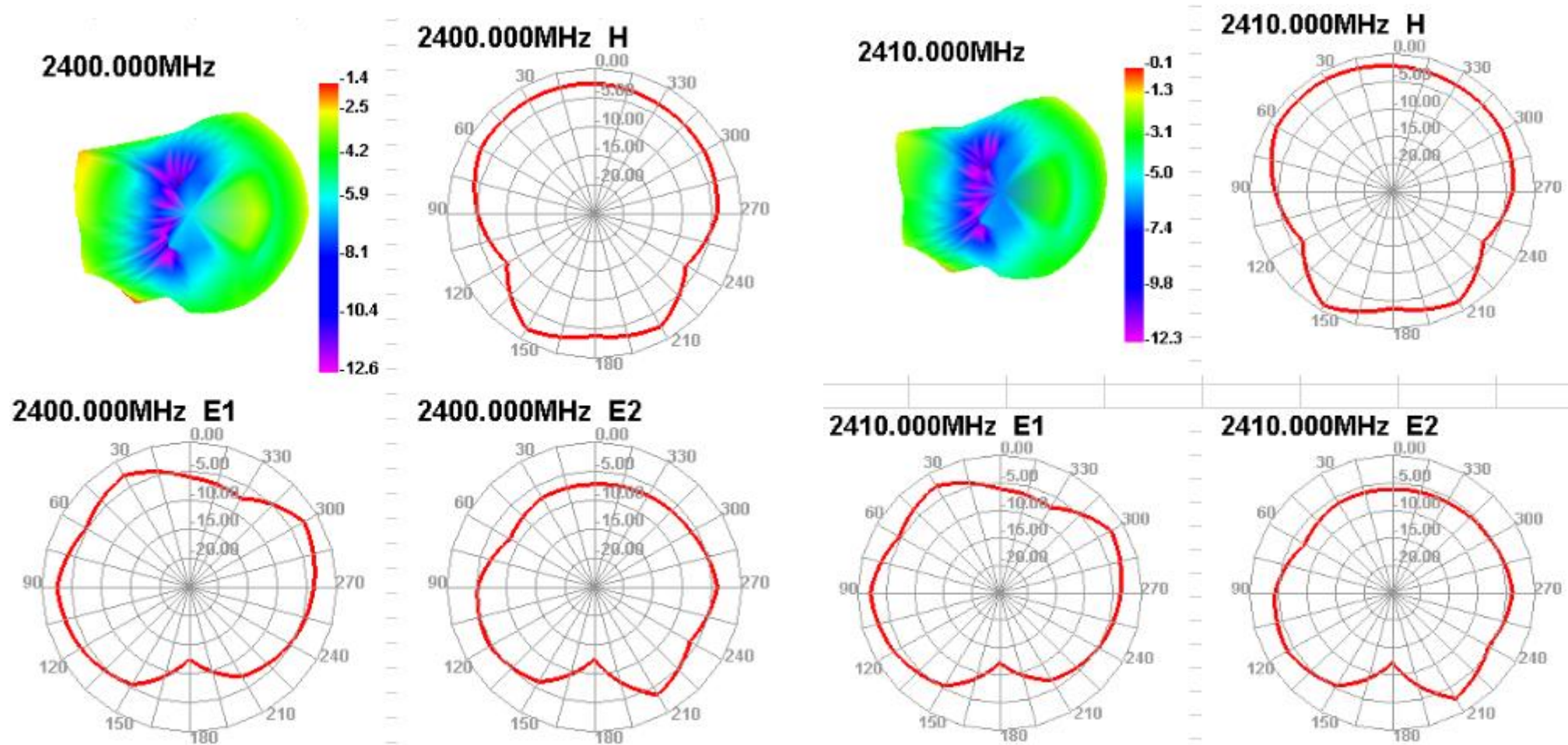
WIFI 2.4

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	35.96	-4.44	-1.38	-3.53	15.708	20.257	-1.38	-12.63	55.76	57.21
2410	42.2	-3.75	-0.09	-2.24	18.101	24.097	-0.09	-12.29	55.83	58.53
2420	43.38	-3.63	-0.32	-2.47	18.847	24.529	-0.32	-12.39	56.07	58.09
2430	46.03	-3.37	-0.18	-2.33	20.118	25.912	-0.18	-12.29	56.25	58.05
2440	48.37	-3.15	0.07	-2.08	21.057	27.313	0.07	-12.37	56.61	58.56
2450	51.47	-2.88	0.4	-1.75	22.421	29.048	0.4	-11.73	56.87	58.64
2460	47.25	-3.26	0.14	-2.01	20.842	26.413	0.14	-12.17	56.54	57.97
2470	46.56	-3.32	0.2	-1.95	20.424	26.137	0.2	-12.11	56.17	58.01
2480	47.8	-3.21	0.55	-1.6	21.056	26.747	0.55	-11.75	56.4	57.83
2490	48.39	-3.15	0.95	-1.2	21.357	27.037	0.95	-11.62	56.48	57.83
2500	47.35	-3.25	0.89	-1.26	20.797	26.552	0.89	-11.52	56.61	58.07



Efficient (main antenna)

WIFI 2.4



Address: Building 43, Zhongwu Industrial Zone, Xixiang Street, Bao's District, Shenzhen



Efficient (main antenna)

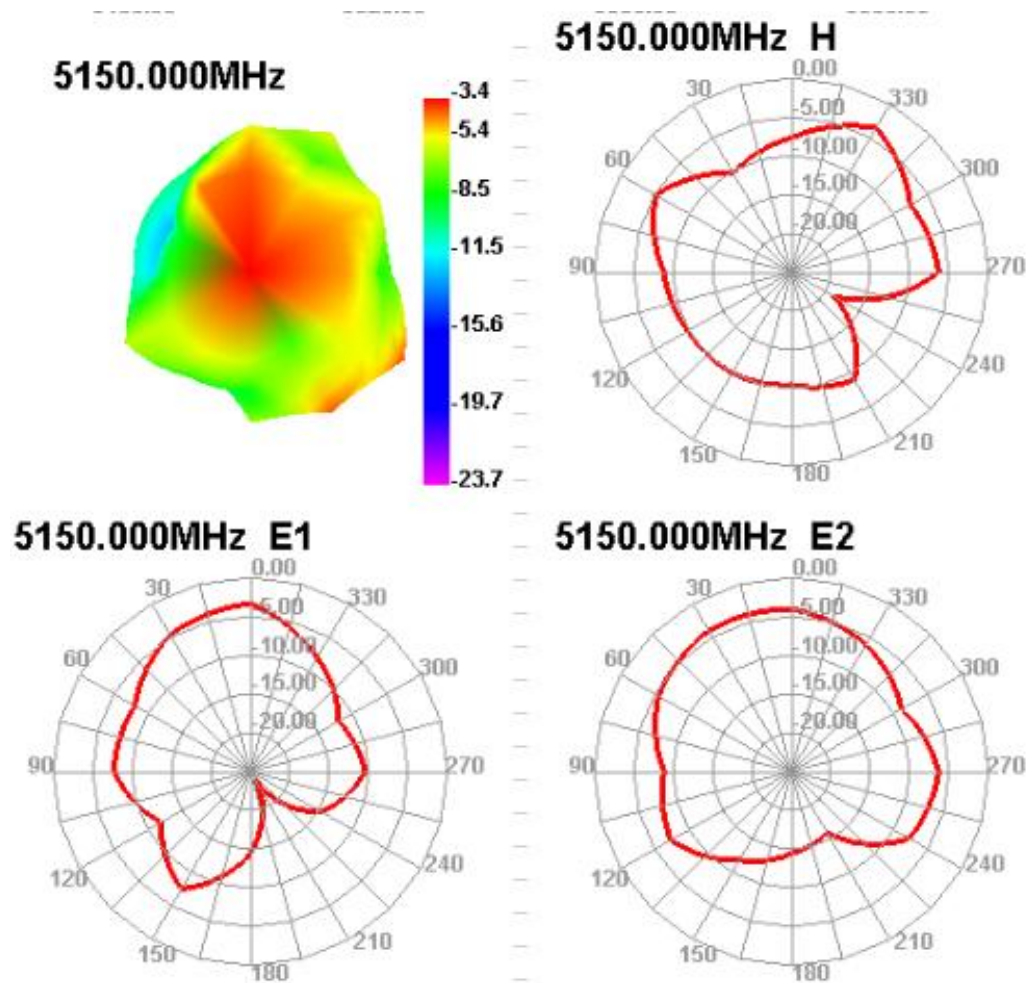
WIFI 5.8

Passive Test For WIFI5.8										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenuat Hor	Attenuat Ver
5150	15.46	-8.11	-3.36	-5.51	10.025	5.432	-3.36	-23.74	67.18	67.14
5200	17.73	-7.51	-2.18	-4.33	11.532	6.195	-2.18	-21.95	67.83	67.32
5250	17.71	-7.52	-2.12	-4.27	11.368	6.347	-2.12	-21.86	66.74	66.84
5300	15.79	-8.01	-1.52	-3.67	10.125	5.67	-1.52	-33.86	66.54	66.18
5350	20.94	-6.79	-0.29	-2.44	13.652	7.284	-0.29	-20.07	67.31	67.51
5400	26.33	-5.79	0.36	-1.79	17.006	9.328	0.36	-20.24	68.37	68.36
5450	31.23	-5.05	0.56	-1.59	20.308	10.924	0.56	-20.81	69.39	70.32
5500	32.46	-4.89	0.94	-1.21	21.606	10.853	0.94	-18.82	70.94	71.47
5550	40.81	-3.89	1.3	-0.85	25.97	14.843	1.3	-17.71	71.36	72.61
5600	45.86	-3.39	3.11	0.96	28.447	17.414	3.11	-14.95	71.47	73.22
5650	37.72	-4.23	1.67	-0.48	24.898	12.82	1.67	-17.47	71.79	72.29
5700	22.65	-6.45	-1.68	-3.83	14.491	8.162	-1.68	-20.25	70.18	70.93
5750	21	-6.78	-1.41	-3.56	12.984	8.014	-1.41	-17.4	69.58	70.68
5800	24.72	-6.07	-1.37	-3.52	15.491	9.229	-1.37	-16.1	70	71.21
5850	22.67	-6.45	-1.25	-3.4	14.262	8.404	-1.25	-14.51	70.78	70.75

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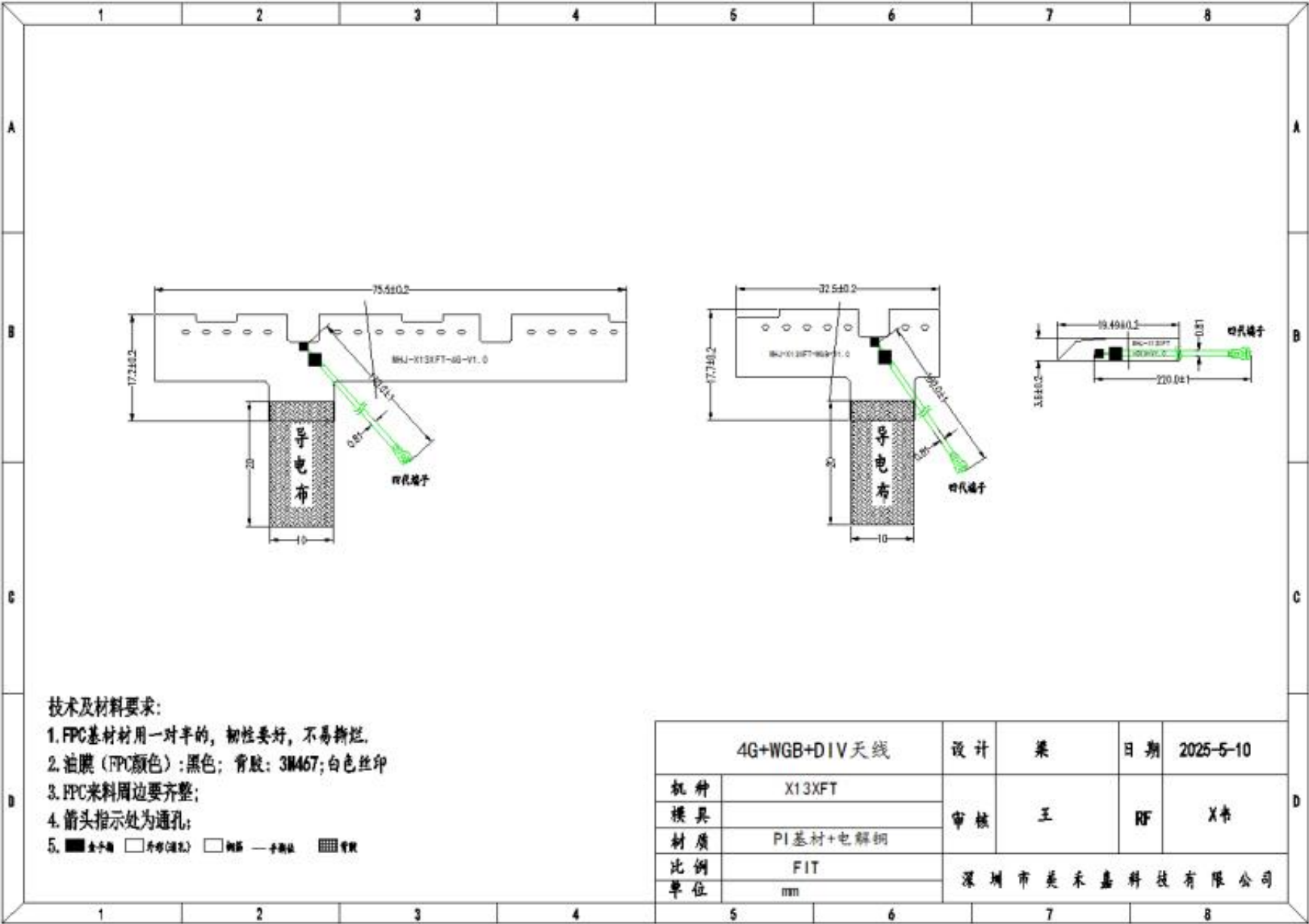
Efficient (main antenna)

WIFI 5.8



Address: Building 43, Zhongwu Industrial Zone, Xixiang Street, Bao's District, Shenzhen

结构图纸
Structural drawing



Address: Building 43, Zhongwu Industrial Zone, Xixiang Street, Bao's District, Shenzhen



为客户提供更佳服务

联系人：熊乾 17688765727

地址：深圳市宝安区航城街道黄田大门1号鸿丰华创意园3005室
