



深圳华讯视通科技有限公司
Shenzhen Huaxunshitong Technology Co.,Ltd.

DF98-G6MS#01
天线测试报告

2025-12-31





深圳华讯视通科技有限公司

Shenzhen Huaxunshitong Technology Co.,Ltd.

测试项目与设备

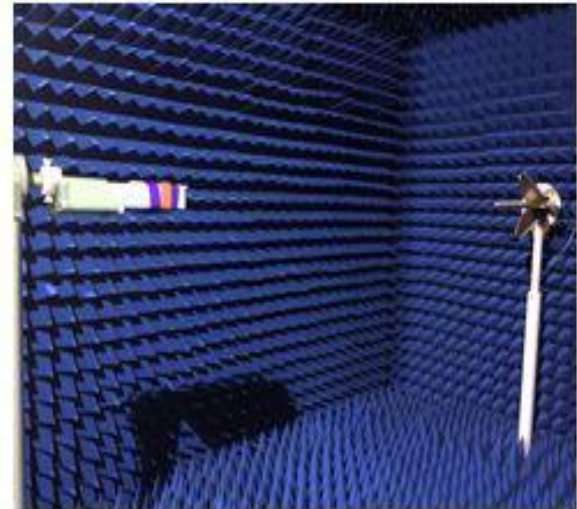
	测试项目	设备
1. S参数 (S-parameter)	1. 回波损耗 (Return Loss) 2. 电压驻波比 (VSWR)	网络分析仪: Agilent E5071B HP 8753D
2. 有源测试 (Active)	1. 发射功率 (TRP) 2. 接收灵敏度 (TIS)	1. 暗室: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. 综合测试仪: Agilent 8960 E5515B × 2 StarPoint SP6011
3. 无源测试 (Passive)	1. 天线增益 (Gain) 2. 天线效率 (Efficiency)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





深圳华讯视通科技有限公司

Shenzhen Huaxunshitong Technology Co.,Ltd.





深圳华讯视通通讯科技有限公司

Shenzhen Huaxunshitong Technology Co.,Ltd.

GSM

Frequency Band	GSM850			PCS1900		
channel	L	M	H	L	M	H
TRP	/	/	/	26.0		26.9
TIS	/	/	/			-98.2





深圳华讯视通通讯科技有限公司

Shenzhen Huaxunshitong Technology Co.,Ltd.

LTE

Frequency Band	B2			B4		
channel	L	M	H	L	M	H
TRP	18.6		19.2	15.3		16.0
TIS			-85.5			-86.6
Frequency Band	B5			B7		
channel	L	M	H	L	M	H
TRP	/	/	/	19.2		17.5
TIS	/	/	/			-83.0





深圳华讯视通通讯科技有限公司

Shenzhen Huaxunshitong Technology Co.,Ltd.

LTE

Frequency Band	B12			B17		
channel	L	M	H	L	M	H
TRP	8.2		8.5	8.1		8.5
TIS			-76.6			-76.7
Frequency Band	B28			/		
channel	L	M	H	L	M	H
TRP	8.0		8.7			
TIS			-76.7			



Efficiency and Gain

Passive Test For 700-1000(10M)												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
700	1.12	-19.49	-14	-16.15	0.472	0.653	-14	-36.34	5.49	0	44.3	44.38
710	1.13	-19.49	-14.59	-16.74	0.51	0.615	-14.59	-32.89	4.9	0	44.94	45.15
720	0.93	-20.33	-15.41	-17.56	0.43	0.498	-15.41	-31.72	4.91	0	44.58	44.28
730	0.86	-20.64	-16.08	-18.23	0.408	0.455	-16.08	-28.93	4.56	0	44.31	43.88
740	0.76	-21.17	-17.14	-19.29	0.388	0.375	-17.14	-31.01	4.04	0	43.96	43.28
750	0.84	-20.75	-16.88	-19.03	0.457	0.385	-16.88	-31.61	3.87	0	44.23	43.25
760	0.94	-20.29	-16.49	-18.64	0.525	0.41	-16.49	-31.73	3.8	0	44.36	43.47
770	0.82	-20.84	-16.49	-18.64	0.468	0.356	-16.49	-31.02	4.35	0	43.58	42.38
780	0.91	-20.4	-16	-18.15	0.53	0.381	-16	-31.02	4.4	0	43.38	42.22
790	1.1	-19.59	-15.25	-17.4	0.658	0.44	-15.25	-28.27	4.35	30	43.56	42.67
800	1.03	-19.88	-15.4	-17.55	0.632	0.396	-15.4	-27.64	4.48	30	42.72	42
810	1.08	-19.65	-15.57	-17.72	0.684	0.398	-15.57	-29.52	4.09	0	42.29	42.15
820	1.11	-19.56	-15.56	-17.71	0.706	0.4	-15.56	-27.42	4	0	42.18	42.13
830	1.19	-19.25	-15.45	-17.6	0.745	0.443	-15.45	-25.8	3.8	0	42.39	42.41
840	1.21	-19.16	-15.16	-17.31	0.744	0.468	-15.16	-26.8	4	0	42.51	42.62
850	1.27	-18.95	-15.04	-17.19	0.765	0.51	-15.04	-26.08	3.91	0	42.68	42.77
860	1.37	-18.63	-14.67	-16.82	0.801	0.571	-14.67	-25.4	3.96	0	42.82	43.1
870	1.46	-18.35	-14.47	-16.62	0.832	0.629	-14.47	-24.92	3.88	0	42.96	43.1
880	1.59	-17.99	-14.2	-16.35	0.895	0.694	-14.2	-24.73	3.79	0	43.16	43.39
890	1.65	-17.82	-14	-16.15	0.913	0.739	-14	-25.52	3.82	0	43.4	43.29
900	1.7	-17.69	-14.14	-16.29	0.906	0.798	-14.14	-24.77	3.55	0	43.53	43.46
910	1.87	-17.28	-13.6	-15.75	0.98	0.892	-13.6	-24.1	3.68	0	43.77	44.11
920	1.98	-17.03	-13.39	-15.54	1.017	0.963	-13.39	-22.86	3.64	90	44.16	44.23
930	2	-16.99	-13.07	-15.22	1.009	0.99	-13.07	-22.61	3.92	90	44.17	44.49
940	1.96	-17.07	-13.13	-15.28	0.962	1.001	-13.13	-22.95	3.94	60	44.31	44.56
950	2	-16.98	-12.64	-14.79	0.944	1.059	-12.64	-23.78	4.35	60	44.46	44.73
960	1.76	-17.55	-13.4	-15.55	0.797	0.963	-13.4	-26.14	4.14	90	44.12	44.24
970	1.63	-17.88	-14.06	-16.21	0.726	0.902	-14.06	-27.68	3.82	90	44.09	44.2
980	1.47	-18.34	-14.46	-16.61	0.66	0.806	-14.46	-30.52	3.88	0	44.13	43.98
990	1.27	-18.96	-15.39	-17.54	0.581	0.69	-15.39	-30.12	3.57	0	44.03	44.39
1000	1.81	-17.43	-13.38	-15.53	0.829	0.978	-13.38	-26.09	4.05	60	45.83	46.03



Efficiency and Gain

Passive Test For 1600-3000(10m)												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directiv (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
1500	1.5	-18.24	-13.48	-15.63	0.769	0.73	-13.48	-31.63	4.76	0	49.5	49.38
1510	1.63	-17.89	-13.85	-16	0.847	0.78	-13.85	-31.67	4.03	60	49.43	49.57
1520	1.79	-17.47	-13.36	-15.51	0.945	0.846	-13.36	-32.73	4.11	60	49.53	49.32
1530	2.2	-16.58	-11.97	-14.12	1.189	1.007	-11.97	-28.11	4.61	90	49.53	49.67
1540	2.62	-15.82	-11.42	-13.57	1.406	1.212	-11.42	-28.16	4.4	90	49.53	49.51
1550	3.7	-14.31	-10.15	-12.3	2.038	1.667	-10.15	-25.74	4.16	90	49.57	49.58
1560	3.34	-14.76	-10.12	-12.27	1.824	1.519	-10.12	-25.21	4.63	90	49.45	49.18
1570	3.59	-14.45	-10.03	-12.18	1.99	1.602	-10.03	-28.42	4.42	0	49.65	49.54
1580	4.24	-13.73	-8.24	-10.39	2.304	1.933	-8.24	-24.22	5.49	30	49.59	49.63
1590	6.23	-12.06	-7.33	-9.48	3.424	2.806	-7.33	-21.83	4.73	30	49.69	49.62
1600	5.61	-12.51	-7.28	-9.43	3.041	2.567	-7.28	-26.59	5.23	30	49.88	49.81
1610	7.84	-11.06	-6.23	-8.38	4.231	3.609	-6.23	-23.7	4.83	30	50.04	50.09
1620	8.14	-10.9	-6.03	-8.18	4.363	3.775	-6.03	-30.86	4.86	30	50.22	50.06
1630	10.62	-9.74	-5.11	-7.26	5.649	4.966	-5.11	-24.49	4.63	30	50.24	50.47
1640	10.3	-9.87	-5.7	-7.85	5.488	4.813	-5.7	-27.08	4.17	30	49.98	50.09
1650	10.76	-9.68	-6.13	-8.28	5.77	4.989	-6.13	-29.85	3.56	30	49.83	49.69
1660	12.5	-9.03	-5.93	-8.08	6.781	5.719	-5.93	-27.64	3.1	30	49.91	49.86
1670	14.61	-8.35	-5.91	-8.06	7.982	6.631	-5.91	-24.09	2.44	150	50.2	50.43
1680	17.19	-7.65	-5.65	-7.8	9.373	7.815	-5.65	-20.61	1.99	150	50.96	51.17
1690	17.18	-7.65	-5.71	-7.86	9.29	7.885	-5.71	-19.93	1.94	150	51.31	51.44
1700	15.76	-8.02	-5.96	-8.11	8.346	7.414	-5.96	-21.6	2.07	150	50.56	50.76
1710	16.61	-7.8	-5.5	-7.65	8.584	8.026	-5.5	-22.51	2.3	150	50.68	50.58
1720	16.27	-7.89	-5.15	-7.3	8.282	7.983	-5.15	-24.2	2.73	150	50.66	50.74
1730	17.12	-7.67	-4.79	-6.94	8.614	8.503	-4.79	-23.72	2.87	150	50.63	50.79
1740	19.13	-7.18	-3.92	-6.07	9.55	9.583	-3.92	-23.99	3.27	150	50.93	50.48
1750	22.19	-6.54	-3.18	-5.33	10.917	11.275	-3.18	-23.56	3.35	30	51.18	51.06
1760	23.61	-6.27	-2.59	-4.74	11.476	12.134	-2.59	-23.28	3.68	30	51.44	50.93
1770	24.57	-6.1	-2.3	-4.45	11.947	12.627	-2.3	-23.01	3.8	30	51.35	51.44
1780	25.91	-5.86	-1.91	-4.06	12.529	13.386	-1.91	-22.5	3.95	30	51.41	51.39
1790	26.8	-5.72	-1.83	-3.98	13.139	13.661	-1.83	-22.23	3.88	30	51.42	51.58
1800	25.99	-5.85	-1.71	-3.86	12.739	13.248	-1.71	-19.26	4.14	30	51.3	51.49
1810	26.41	-5.78	-1.43	-3.58	12.77	13.636	-1.43	-19.82	4.35	30	51.51	51.58



Efficiency and Gain

1820	26.63	-5.75	-1.35	-3.5	12.695	13.937	-1.35	-18.04	4.39	30	51.55	51.83
1830	27.53	-5.6	-0.92	-3.07	13.077	14.453	-0.92	-16.47	4.69	0	51.89	52.62
1840	25	-6.02	-1.18	-3.33	11.909	13.09	-1.18	-16.46	4.84	60	51.93	52.2
1850	26.1	-5.83	-1.14	-3.29	12.754	13.342	-1.14	-16	4.69	150	51.96	52.02
1860	25.93	-5.86	-1.3	-3.45	13.127	12.803	-1.3	-15.3	4.56	0	51.72	52.31
1870	22.5	-6.48	-1.77	-3.92	11.4	11.099	-1.77	-16.39	4.71	150	51.56	51.35
1880	24.55	-6.1	-1.68	-3.83	12.879	11.676	-1.68	-15.18	4.42	0	51.54	52.32
1890	23.83	-6.23	-1.98	-4.13	12.582	11.247	-1.98	-16.18	4.25	150	51.56	51.7
1900	24.16	-6.17	-2.14	-4.29	13.163	10.995	-2.14	-15.76	4.03	240	51.87	51.96
1910	23.92	-6.21	-2.07	-4.22	13.648	10.268	-2.07	-15.39	4.14	240	51.92	52.75
1920	24.07	-6.18	-1.87	-4.02	14.135	9.939	-1.87	-14.29	4.32	30	52.13	52.95
1930	24.98	-6.02	-2.05	-4.2	14.811	10.173	-2.05	-13.8	3.97	30	52.26	52.74
1940	23.79	-6.24	-2.19	-4.34	14.388	9.406	-2.19	-13.8	4.05	30	52.26	52.72
1950	21.32	-6.71	-2.87	-5.02	12.898	8.422	-2.87	-13.95	3.84	60	52.33	52.41
1960	19.3	-7.15	-3.34	-5.49	11.686	7.61	-3.34	-13.85	3.8	210	52.2	52.13
1970	20.05	-6.98	-3.23	-5.38	12.16	7.889	-3.23	-13.99	3.75	210	52.38	52.63
1980	20.29	-6.93	-3.1	-5.25	12.36	7.927	-3.1	-13.47	3.83	210	52.69	53.26
1990	16.65	-7.79	-4.27	-6.42	9.966	6.681	-4.27	-15.27	3.51	210	52.96	53.07
2000	16.17	-7.91	-4.48	-6.63	9.857	6.309	-4.48	-15.79	3.43	210	52.96	53.44
2010	16.57	-7.81	-4.45	-6.6	10.251	6.32	-4.45	-15.8	3.36	210	52.95	53.45
2020	14.73	-8.32	-4.79	-6.94	9.242	5.491	-4.79	-15.94	3.52	210	52.89	53.62
2030	12.24	-9.12	-5.67	-7.82	7.624	4.614	-5.67	-17.34	3.45	210	52.97	53.36
2040	11.57	-9.36	-5.89	-8.04	7.287	4.288	-5.89	-18.05	3.47	210	53.17	53.74
2050	12.05	-9.19	-5.89	-8.04	7.578	4.468	-5.89	-19.32	3.31	210	53.45	53.99
2060	12.66	-8.98	-5.82	-7.97	7.815	4.841	-5.82	-19.44	3.16	120	53.75	54.01
2070	11.31	-9.47	-6.26	-8.41	6.973	4.338	-6.26	-19.98	3.2	120	53.78	54.53
2080	10.41	-9.83	-6.47	-8.62	6.441	3.966	-6.47	-20.27	3.35	90	53.61	54.52
2090	9.45	-10.24	-6.98	-9.13	5.893	3.559	-6.98	-20.48	3.26	90	53.39	52.95
2100	9.39	-10.27	-6.89	-9.04	5.912	3.483	-6.89	-20.3	3.38	90	53.21	53.74
2110	7.81	-11.07	-7.63	-9.78	4.925	2.889	-7.63	-21.78	3.44	90	52.81	53.4
2120	7.95	-11	-7.64	-9.79	5.021	2.925	-7.64	-22.06	3.36	90	53.09	54.12
2130	8.64	-10.63	-7.14	-9.29	5.362	3.278	-7.14	-21.22	3.49	90	53.4	53.93
2140	8.63	-10.64	-7.03	-9.18	5.275	3.351	-7.03	-20.57	3.61	90	53.42	53.81
2150	6.79	-11.68	-7.62	-9.77	4.201	2.593	-7.62	-21.64	4.06	90	53.14	53.74
2160	7.12	-11.48	-7.25	-9.4	4.466	2.651	-7.25	-21.1	4.23	90	53.36	54.43
2170	7.52	-11.24	-6.9	-9.05	4.715	2.805	-6.9	-20.78	4.33	90	53.24	54.18



Efficiency and Gain

2180	7.49	-11.25	-6.45	-8.6	4.728	2.766	-6.45	-22.6	4.81	90	53.12	53.45
2190	6.79	-11.68	-7.16	-9.31	4.213	2.575	-7.16	-20.57	4.52	90	53.06	53.71
2200	6.7	-11.74	-7.43	-9.58	4.13	2.567	-7.43	-19.22	4.32	90	53.52	54.5
2210	7.52	-11.24	-6.91	-9.06	4.643	2.874	-6.91	-18.61	4.33	90	53.71	54.72
2220	7.53	-11.23	-6.9	-9.05	4.661	2.866	-6.9	-17.89	4.33	90	53.67	54.38
2230	6.07	-12.17	-7.96	-10.11	3.752	2.32	-7.96	-19.5	4.21	90	53.53	54.57
2240	5.65	-12.48	-8.19	-10.34	3.493	2.155	-8.19	-20.06	4.29	90	53.59	54.86
2250	5.86	-12.32	-7.91	-10.06	3.613	2.244	-7.91	-19.1	4.41	90	53.72	55.1
2260	6.41	-11.93	-7.36	-9.51	3.941	2.471	-7.36	-17.66	4.57	90	53.84	55.61
2270	5.3	-12.76	-8.32	-10.47	3.179	2.118	-8.32	-18.58	4.44	60	53.94	55.12
2280	4.49	-13.47	-9.3	-11.45	2.632	1.861	-9.3	-19.41	4.18	60	54.09	55.43
2290	5.08	-12.94	-8.93	-11.08	2.933	2.143	-8.93	-19.46	4.01	60	54.85	56.01
2300	6.07	-12.17	-8.28	-10.43	3.456	2.613	-8.28	-19.85	3.89	60	55.12	56.6
2310	5.57	-12.54	-8.72	-10.87	3.19	2.38	-8.72	-20.48	3.82	60	54.91	56.5
2320	4.7	-13.28	-9.86	-12.01	2.658	2.04	-9.86	-20.91	3.42	60	54.8	56.13
2330	4.75	-13.23	-9.75	-11.9	2.651	2.1	-9.75	-21.43	3.48	60	55.05	56.33
2340	5.76	-12.39	-8.76	-10.91	3.165	2.597	-8.76	-20.02	3.64	60	55.41	57.9
2350	5.22	-12.83	-9.26	-11.41	2.749	2.468	-9.26	-20.54	3.56	60	55.72	57.75
2360	4.38	-13.59	-9.78	-11.93	2.277	2.1	-9.78	-20.59	3.81	60	55.95	57.79
2370	4.21	-13.76	-10.25	-12.4	2.119	2.091	-10.25	-20.54	3.51	60	55.79	57.25
2380	5.03	-12.99	-9.24	-11.39	2.542	2.483	-9.24	-17.51	3.75	60	55.95	57.45
2390	4.94	-13.06	-9.54	-11.69	2.494	2.446	-9.54	-18.01	3.53	60	55.8	57.98
2400	4.03	-13.95	-9.91	-12.06	1.974	2.054	-9.91	-18.86	4.03	60	55.76	57.21
2410	4.57	-13.4	-9.63	-11.78	2.213	2.356	-9.63	-17.99	3.77	60	55.83	58.53
2420	5.14	-12.89	-8.86	-11.01	2.402	2.739	-8.86	-18	4.03	90	56.07	58.09
2430	5.56	-12.55	-8.42	-10.57	2.603	2.961	-8.42	-19.85	4.13	90	56.25	58.05
2440	5.3	-12.76	-9.32	-11.47	2.47	2.831	-9.32	-19.85	3.43	30	56.61	58.56
2450	5.86	-12.32	-8.45	-10.6	2.673	3.183	-8.45	-20.98	3.87	30	56.87	58.64
2460	6.21	-12.07	-8.26	-10.41	2.839	3.372	-8.26	-23.22	3.81	240	56.54	57.97
2470	6.85	-11.64	-8.07	-10.22	3.237	3.616	-8.07	-22.52	3.57	210	56.17	58.01
2480	6.96	-11.57	-7.67	-9.82	3.198	3.765	-7.67	-21.16	3.9	30	56.4	57.83
2490	7.24	-11.4	-7.55	-9.7	3.263	3.98	-7.55	-24.69	3.86	180	56.48	57.83
2500	8.69	-10.61	-6.73	-8.88	3.917	4.773	-6.73	-23.94	3.88	150	56.61	58.07
2510	10.23	-9.9	-5.91	-8.06	4.638	5.588	-5.91	-23.89	3.99	150	56.67	57.71
2520	10.06	-9.97	-6.3	-8.45	4.637	5.424	-6.3	-22.88	3.67	60	56.43	57.53
2530	11.34	-9.46	-5.94	-8.09	5.417	5.921	-5.94	-21.28	3.52	150	56.01	57.64



Efficiency and Gain

2540	11.89	-9.25	-5.7	-7.85	5.672	6.214	-5.7	-20.01	3.55	150	55.93	56.88
2550	14.06	-8.52	-5.09	-7.24	6.744	7.313	-5.09	-19.28	3.43	150	56.13	56.87
2560	15.52	-8.09	-4.76	-6.91	7.556	7.969	-4.76	-18.85	3.33	150	56.34	57.38
2570	17.71	-7.52	-3.81	-5.96	8.896	8.814	-3.81	-18.51	3.71	150	56.6	58.31
2580	17.26	-7.63	-4.09	-6.24	8.364	8.895	-4.09	-19.8	3.54	150	56.27	56.52
2590	18.5	-7.33	-3.65	-5.8	8.912	9.591	-3.65	-19.58	3.68	150	56.34	56.49
2600	20.44	-6.9	-3.28	-5.43	9.912	10.524	-3.28	-17.85	3.61	150	56.36	56.49
2610	22.06	-6.56	-3.11	-5.26	10.699	11.366	-3.11	-16.54	3.45	120	56.44	57
2620	20.56	-6.87	-3.16	-5.31	9.697	10.861	-3.16	-17.99	3.71	120	56.28	56.17
2630	21.56	-6.66	-3.03	-5.18	10.264	11.298	-3.03	-16.8	3.63	120	56.47	56.78
2640	23.58	-6.27	-2.71	-4.86	11.198	12.383	-2.71	-16.31	3.57	120	56.79	57.41
2650	23.8	-6.23	-2.43	-4.58	11.205	12.593	-2.43	-16.54	3.81	120	57.31	57.11
2660	27	-5.69	-2.2	-4.35	12.87	14.131	-2.2	-19.45	3.49	120	57.71	58.3
2670	27.93	-5.54	-2.05	-4.2	13.384	14.55	-2.05	-18.79	3.49	120	57.8	58.5
2680	26.76	-5.72	-2.2	-4.35	12.885	13.876	-2.2	-19.18	3.53	120	57.75	58.3
2690	24.04	-6.19	-2.59	-4.74	11.572	12.466	-2.59	-17.71	3.6	120	57.63	57.85
2700	19.52	-7.1	-3.46	-5.61	9.512	10.005	-3.46	-18.52	3.63	120	57.44	57.44
2710	18.63	-7.3	-3.71	-5.86	9.09	9.535	-3.71	-18.88	3.59	150	57.88	58.15
2720	21.14	-6.75	-3.35	-5.5	10.367	10.775	-3.35	-18.37	3.4	150	58.5	58.3
2730	21.28	-6.72	-3.18	-5.33	10.496	10.782	-3.18	-20.73	3.54	150	58.49	58.98
2740	18.74	-7.27	-4.12	-6.27	9.137	9.603	-4.12	-20.42	3.15	150	58.67	59.01
2750	17.72	-7.52	-4.46	-6.61	8.514	9.202	-4.46	-20.52	3.06	150	58.87	58.56
2760	21.34	-6.71	-3.58	-5.73	10.221	11.115	-3.58	-18.09	3.13	150	59.85	59.09
2770	19.95	-7	-4.09	-6.24	9.823	10.13	-4.09	-19.12	2.91	150	59.59	59.36
2780	20.09	-6.97	-4.12	-6.27	10.079	10.014	-4.12	-19.35	2.85	150	59.68	60.73
2790	19.65	-7.07	-3.85	-6	9.773	9.876	-3.85	-20.06	3.22	150	60.44	59.51
2800	15.92	-7.98	-4.85	-7	8.073	7.852	-4.85	-21.84	3.13	120	59.26	59.51
2810	17.39	-7.6	-4.64	-6.79	9.004	8.389	-4.64	-22.82	2.96	120	59.38	60.33
2820	16.45	-7.84	-4.94	-7.09	8.674	7.773	-4.94	-21.47	2.9	120	59.54	60.19
2830	16.59	-7.8	-4.79	-6.94	8.696	7.897	-4.79	-22.65	3.01	120	60.18	59.88
2840	13.67	-8.64	-5.54	-7.69	7.398	6.268	-5.54	-22.78	3.11	90	59.47	60.28
2850	15.63	-8.06	-4.71	-6.86	8.551	7.083	-4.71	-22.91	3.35	120	60.19	59.17
2860	18.11	-7.42	-4.05	-6.2	10.135	7.974	-4.05	-21.01	3.37	120	61.22	60.3
2870	15.26	-8.17	-5.08	-7.23	8.59	6.667	-5.08	-18	3.09	120	61.03	60.21
2880	14.22	-8.47	-4.95	-7.1	8.105	6.115	-4.95	-19.05	3.52	120	60.47	59.81
2890	15.26	-8.16	-5.01	-7.16	8.768	6.496	-5.01	-16.21	3.16	120	60.35	61.1



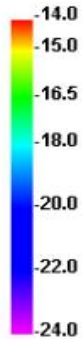
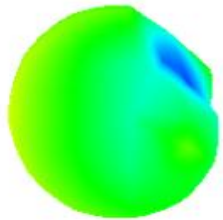
Efficiency and Gain

2900	19.15	-7.18	-3.81	-5.96	11.108	8.046	-3.81	-16.5	3.37	120	61.9	60.1
2910	15.27	-8.16	-4.88	-7.03	8.808	6.467	-4.88	-17.1	3.28	120	61.1	60.44
2920	14.77	-8.3	-5.26	-7.41	8.63	6.144	-5.26	-15.36	3.04	120	60.97	61.28
2930	14.04	-8.53	-5.65	-7.8	8.06	5.978	-5.65	-16.94	2.88	120	60.28	61.38
2940	15.35	-8.14	-5.03	-7.18	9.026	6.325	-5.03	-16.61	3.11	120	61.51	60.84
2950	12.51	-9.03	-5.73	-7.88	7.407	5.105	-5.73	-16.74	3.3	120	61.53	60.79
2960	15.23	-8.17	-5.33	-7.48	8.9	6.335	-5.33	-14.77	2.84	120	61.76	61.53
2970	14.92	-8.26	-4.93	-7.08	8.847	6.068	-4.93	-16.09	3.34	120	61.64	60.43
2980	15.32	-8.15	-4.16	-6.31	8.919	6.4	-4.16	-15.95	3.99	120	61.83	61.03
2990	13.83	-8.59	-4.74	-6.89	8.102	5.729	-4.74	-15.8	3.86	120	61.84	61.35
3000	10.92	-9.62	-5.29	-7.44	6.374	4.542	-5.29	-17.46	4.33	90	60.85	60.69

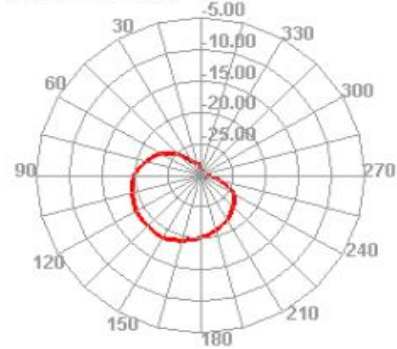


Efficiency and Gain

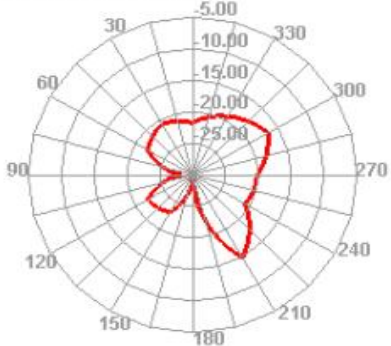
700.000MHz



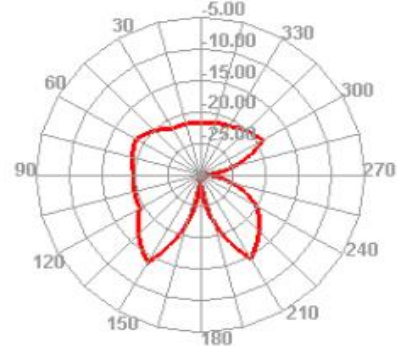
700.000MHz H



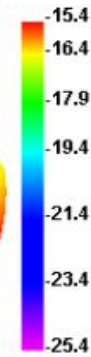
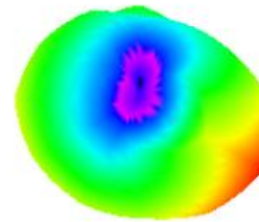
700.000MHz E1



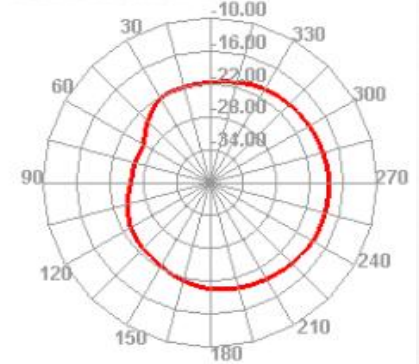
700.000MHz E2



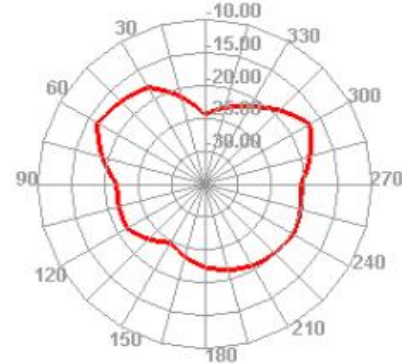
800.000MHz



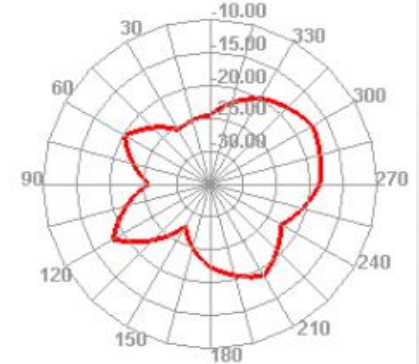
800.000MHz H



800.000MHz E1

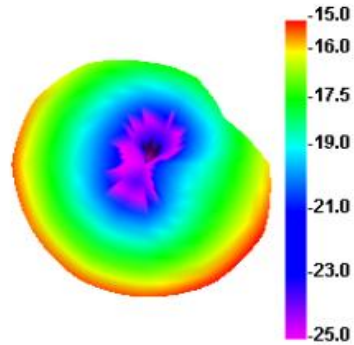


800.000MHz E2

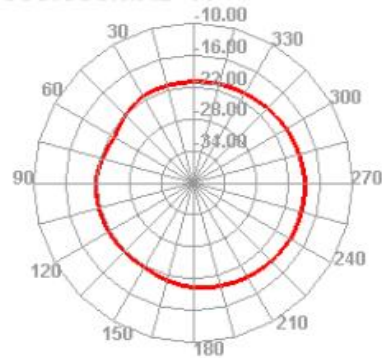


Efficiency and Gain

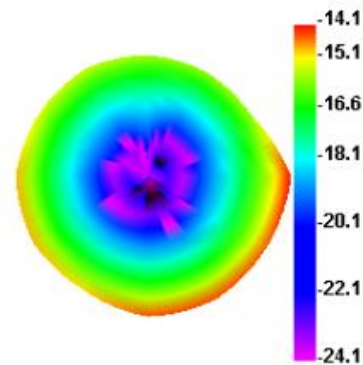
850.000MHz



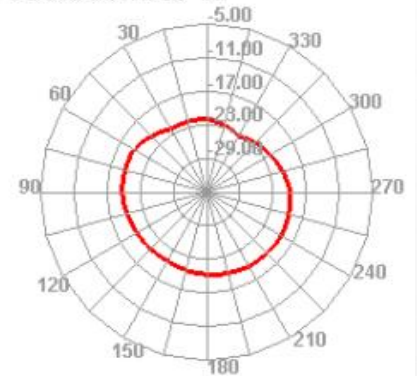
850.000MHz H



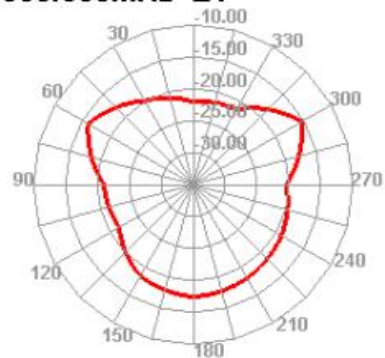
900.000MHz



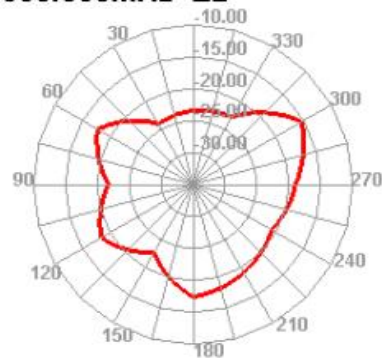
900.000MHz H



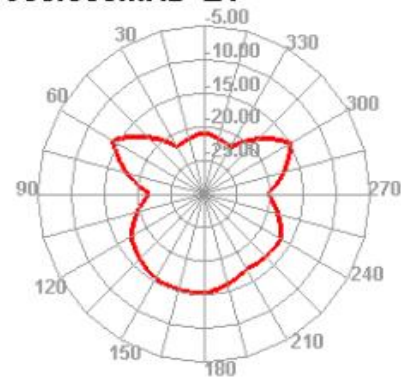
850.000MHz E1



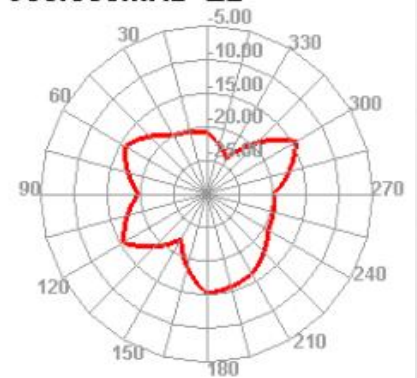
850.000MHz E2



900.000MHz E1

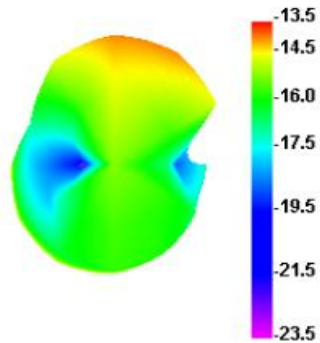


900.000MHz E2

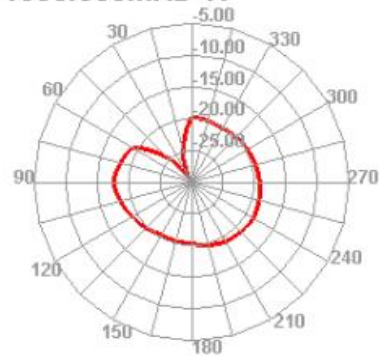


Efficiency and Gain

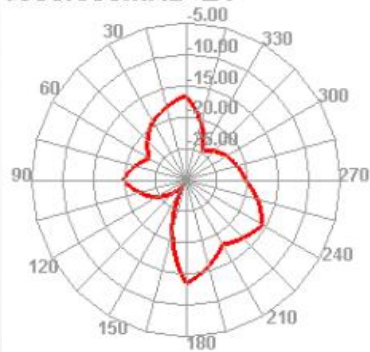
1500.000MHz



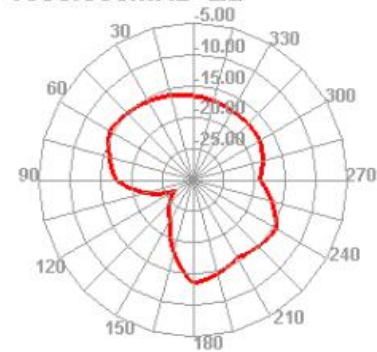
1500.000MHz H



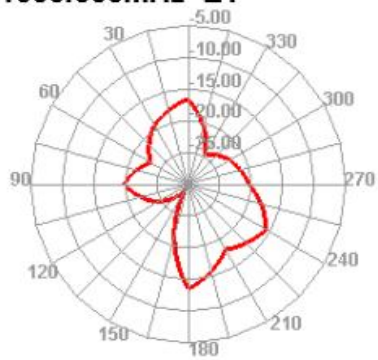
1500.000MHz E1



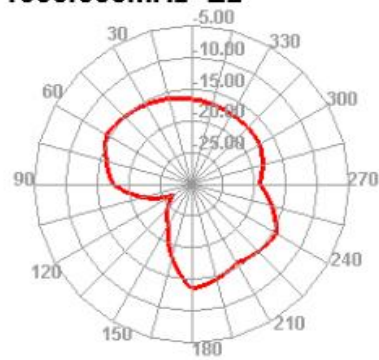
1500.000MHz E2



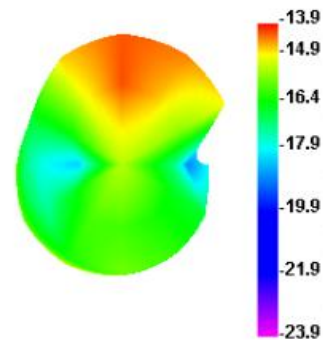
1500.000MHz E1



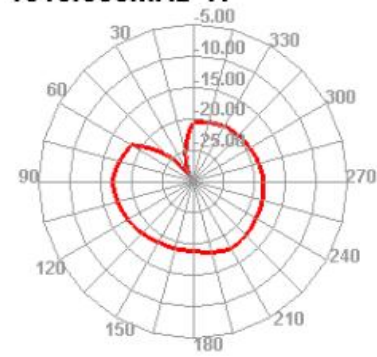
1500.000MHz E2



1510.000MHz

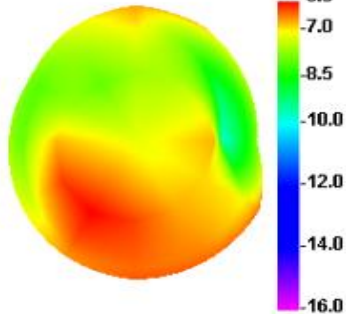


1510.000MHz H

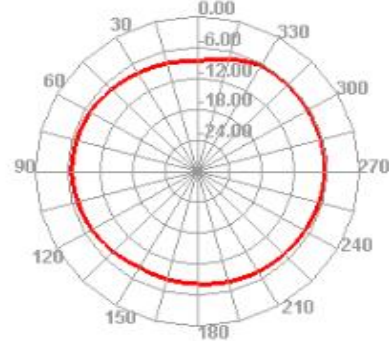


Efficiency and Gain

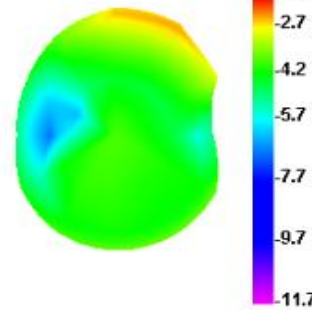
1700.000MHz



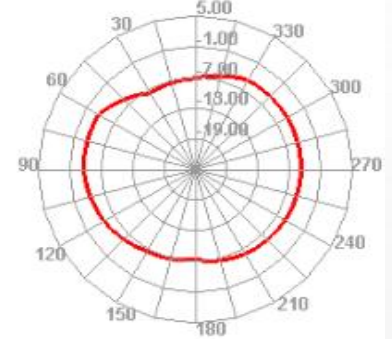
1700.000MHz H



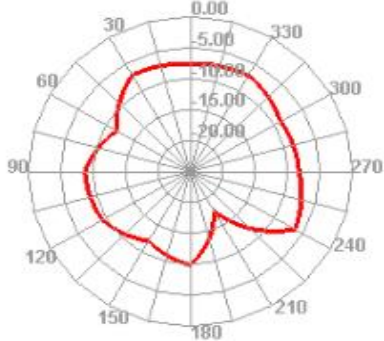
1800.000MHz



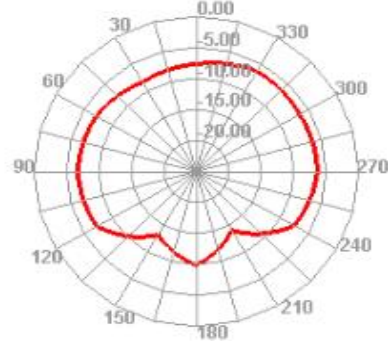
1800.000MHz H



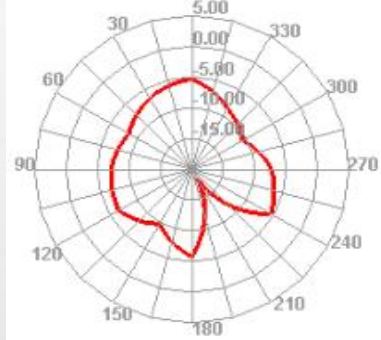
1700.000MHz E1



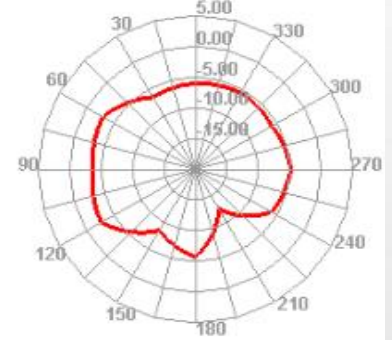
1700.000MHz E2



1800.000MHz E1

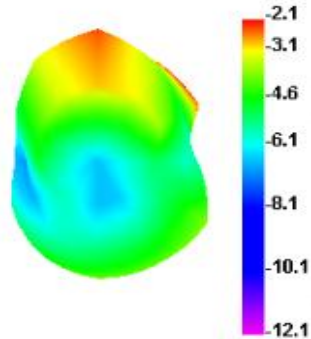


1800.000MHz E2

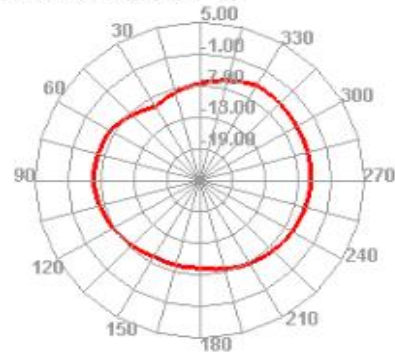


Efficiency and Gain

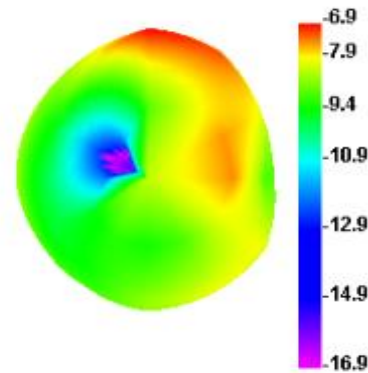
1900.000MHz



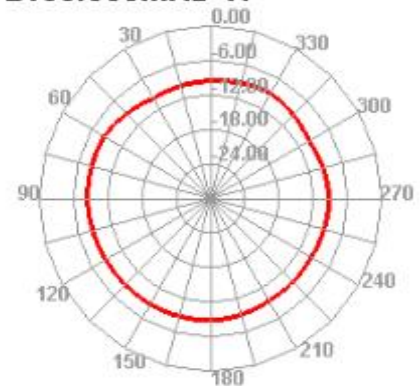
1900.000MHz H



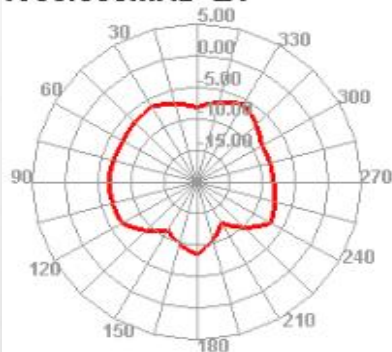
2100.000MHz



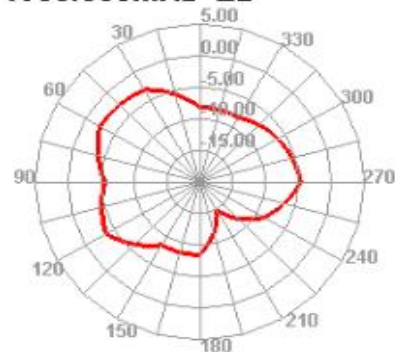
2100.000MHz H



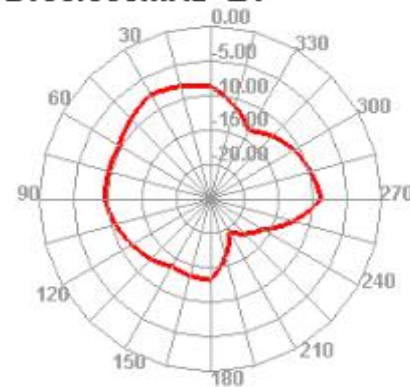
1900.000MHz E1



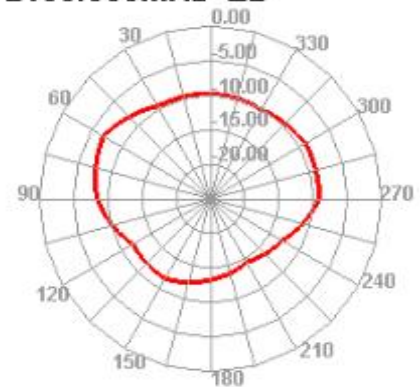
1900.000MHz E2



2100.000MHz E1

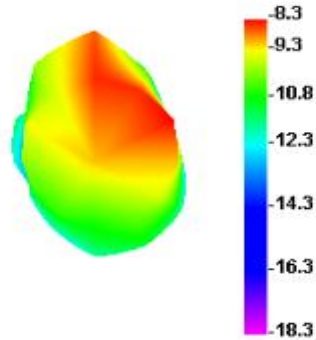


2100.000MHz E2

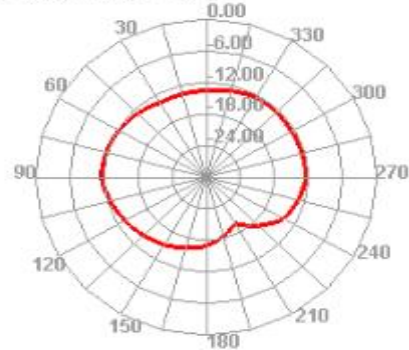


Efficiency and Gain

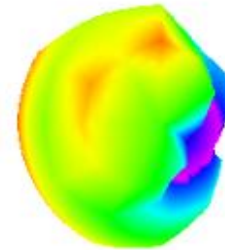
2300.000MHz



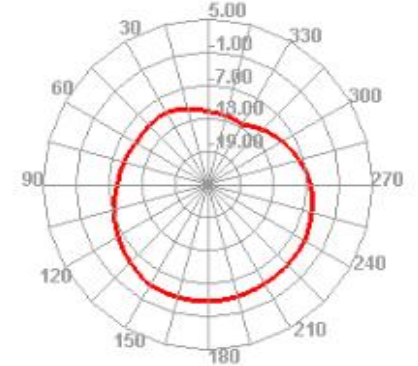
2300.000MHz H



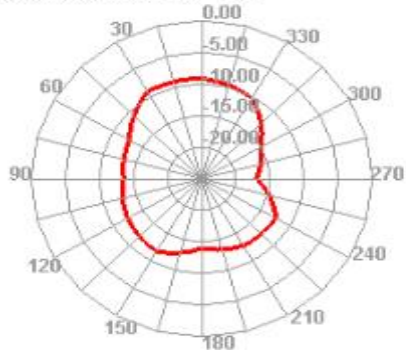
2600.000MHz



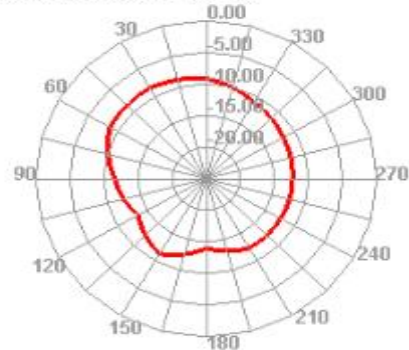
2600.000MHz H



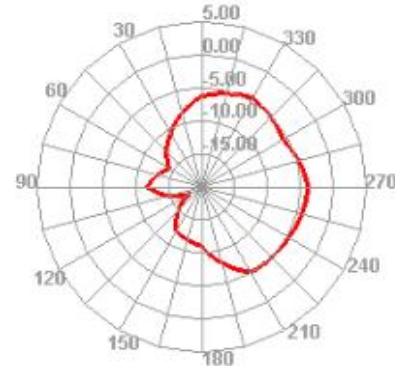
2300.000MHz E1



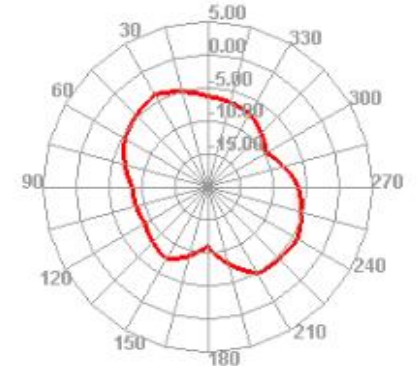
2300.000MHz E2



2600.000MHz E1

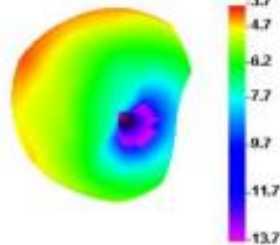


2600.000MHz E2

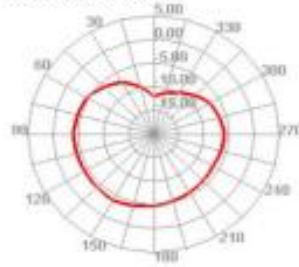


Passive Test For WIFI2.4												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	irectivit (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	23.17	-6.35	-3.69	-5.84	10.362	12.81	-3.69	-18.02	2.66	90	55.76	57.21
2410	26.77	-5.72	-2.35	-4.5	11.577	15.193	-2.35	-16.95	3.38	180	55.83	58.53
2420	26.84	-5.71	-2.67	-4.82	11.673	15.172	-2.67	-28.57	3.04	180	56.07	58.09
2430	29.44	-5.31	-1.87	-4.02	12.832	16.605	-1.87	-18.57	3.44	150	56.25	58.05
2440	32.8	-4.84	-1.33	-3.48	14.106	18.69	-1.33	-19.72	3.51	180	56.61	58.56
2450	34.76	-4.59	-1.63	-3.78	15.37	19.388	-1.63	-18.93	2.96	180	56.87	58.64
2460	32.91	-4.83	-1.62	-3.77	14.249	18.663	-1.62	-16.72	3.21	180	56.54	57.97
2470	31.57	-5.01	-1.85	-4	13.616	17.953	-1.85	-17.11	3.15	180	56.17	58.01
2480	31.26	-5.05	-2.09	-4.24	13.504	17.753	-2.09	-17.37	2.96	180	56.4	57.83
2490	31.98	-4.95	-1.64	-3.79	13.503	18.472	-1.64	-17.33	3.31	180	56.48	57.83
2500	32.63	-4.86	-1.79	-3.94	14.02	18.615	-1.79	-15.82	3.07	150	56.61	58.07

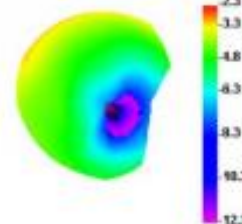
2400.000MHz



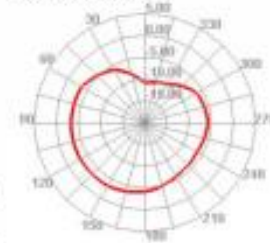
2400.000MHz H



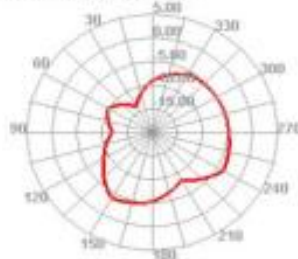
2410.000MHz



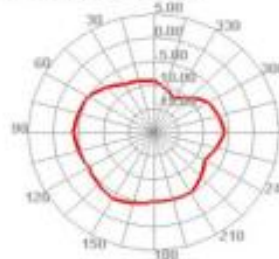
2410.000MHz H



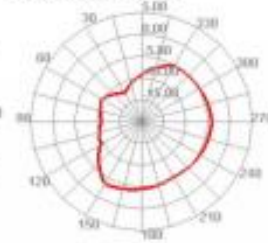
2400.000MHz E1



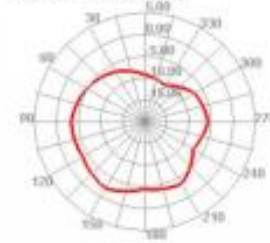
2400.000MHz E2



2410.000MHz E1



2410.000MHz E2



GPS actual measurement

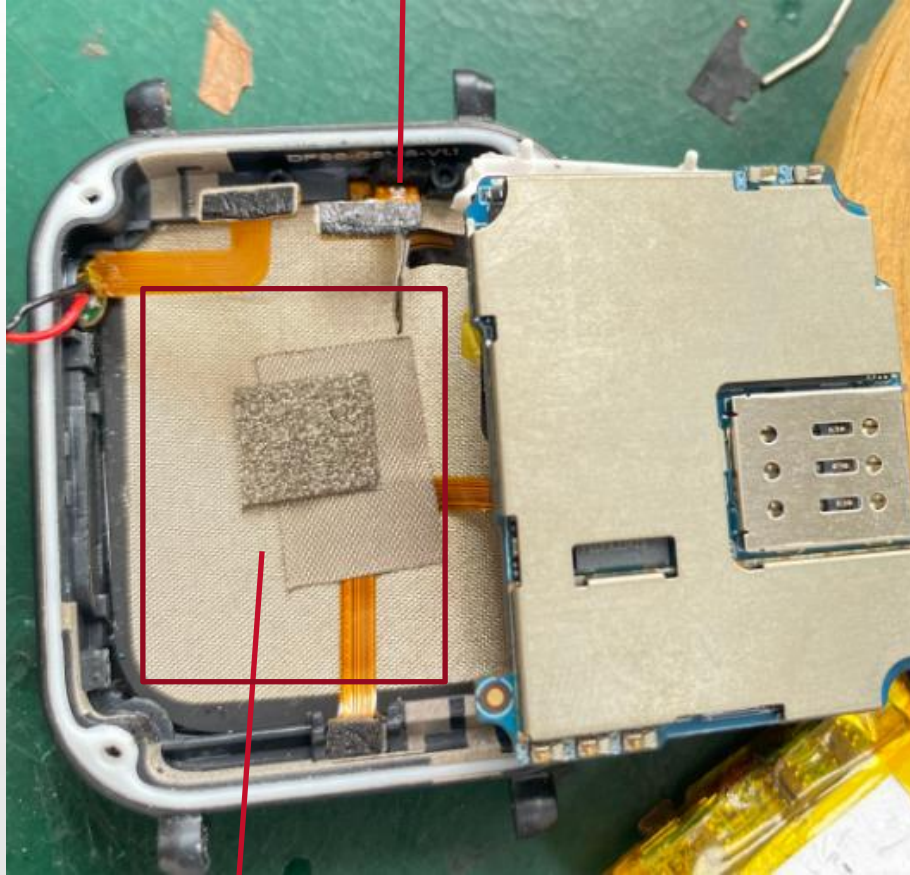


Free state



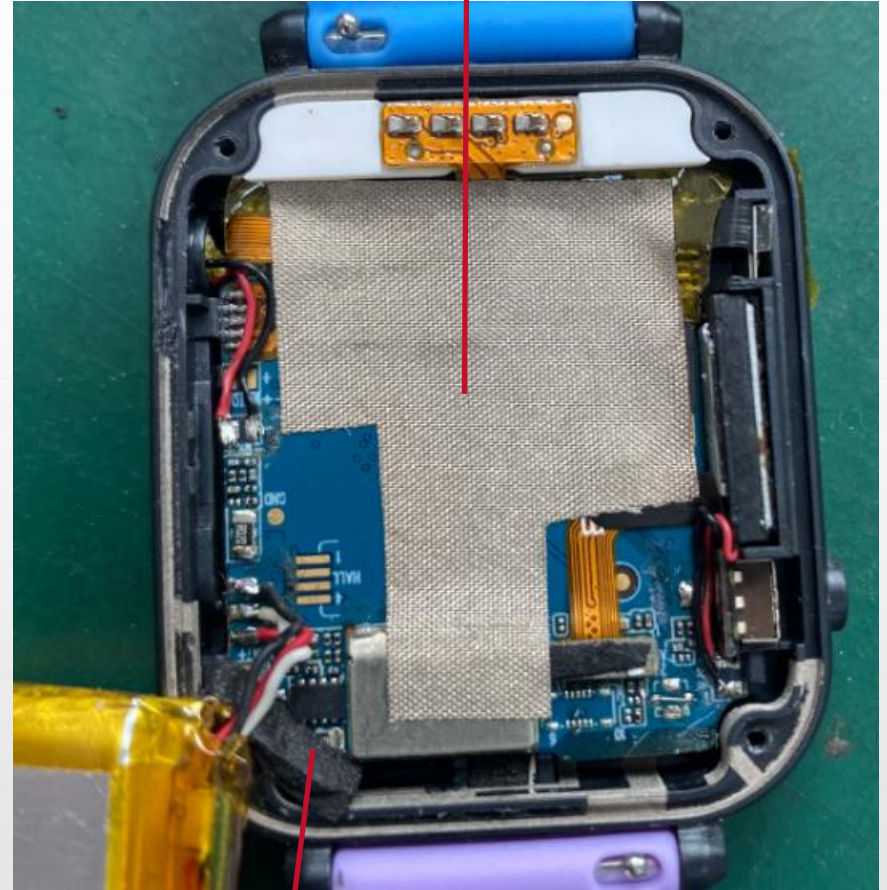
Environmental treatment

TP flat cable with isolation cotton for isolation



Attach conductive cloth and conductive cotton to the screen and ground it to the mainboard

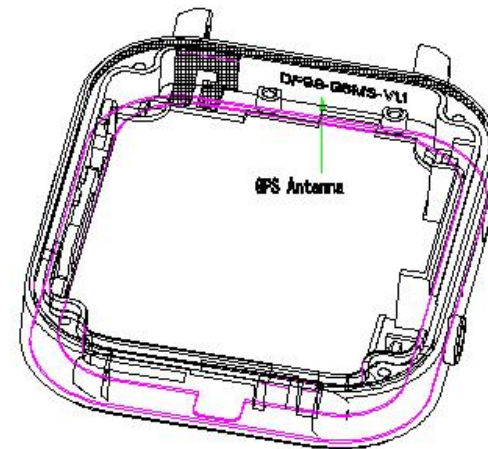
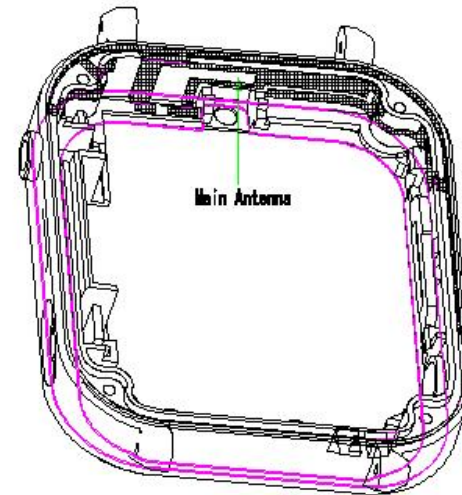
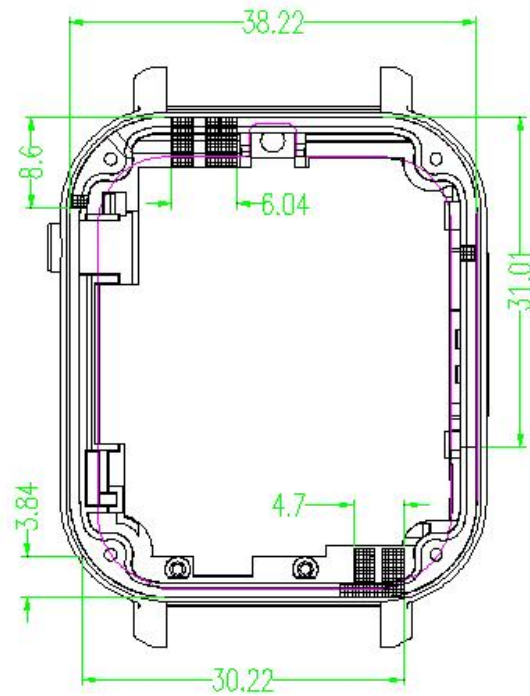
Magnetic charging ribbon cables and key ribbon cables are shielded with conductive fabric



Isolate the battery by adding isolation cotton to the battery pins



Structural drawing





深圳华讯视通科技有限公司
Shenzhen Huaxunshitong Technology Co.,Ltd.

Thanks !

