



深圳汉阳天线设计有限公司

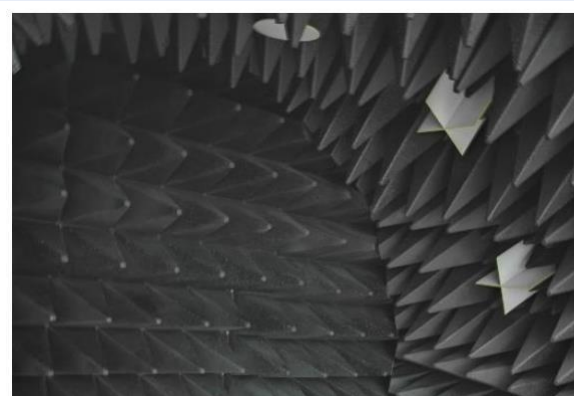
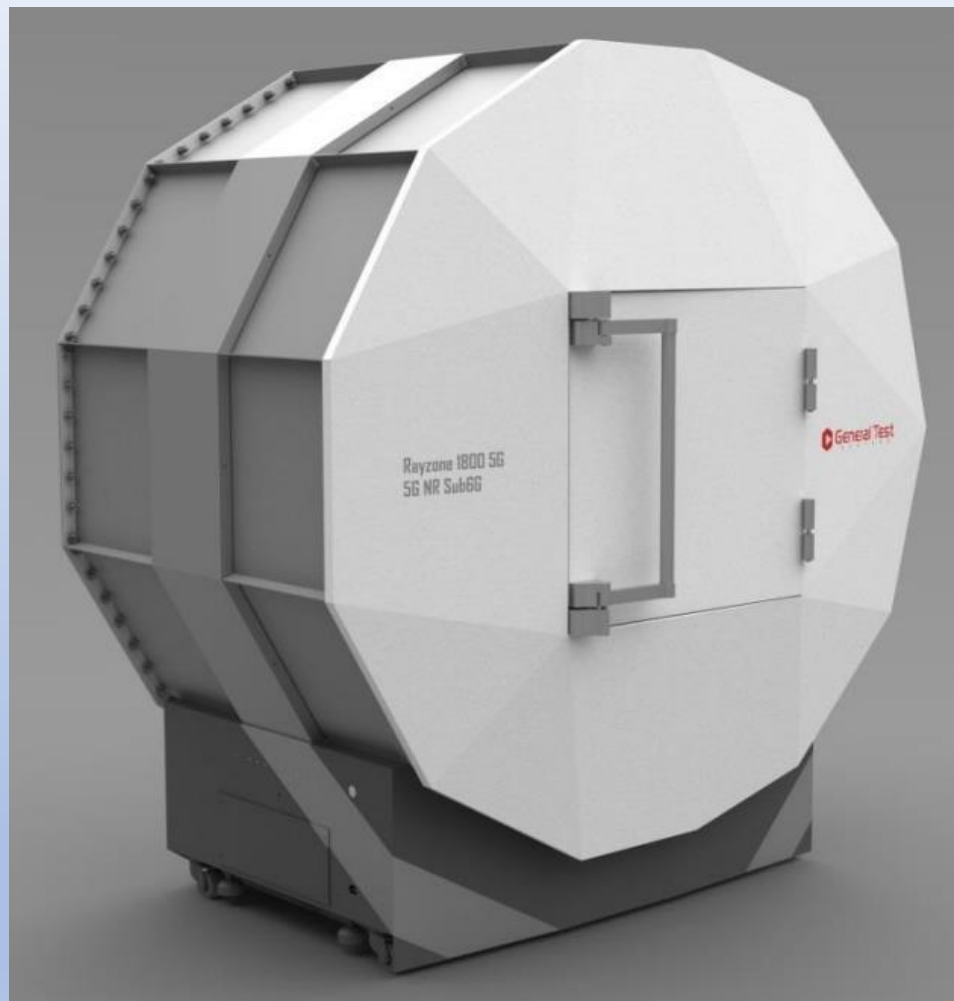
SHENZHEN HANYANG ANTENNA DESIGN CO. LTD.

客户：高盛达

WIFI/BT模块 测试报告

项目名称：WKXT0Q

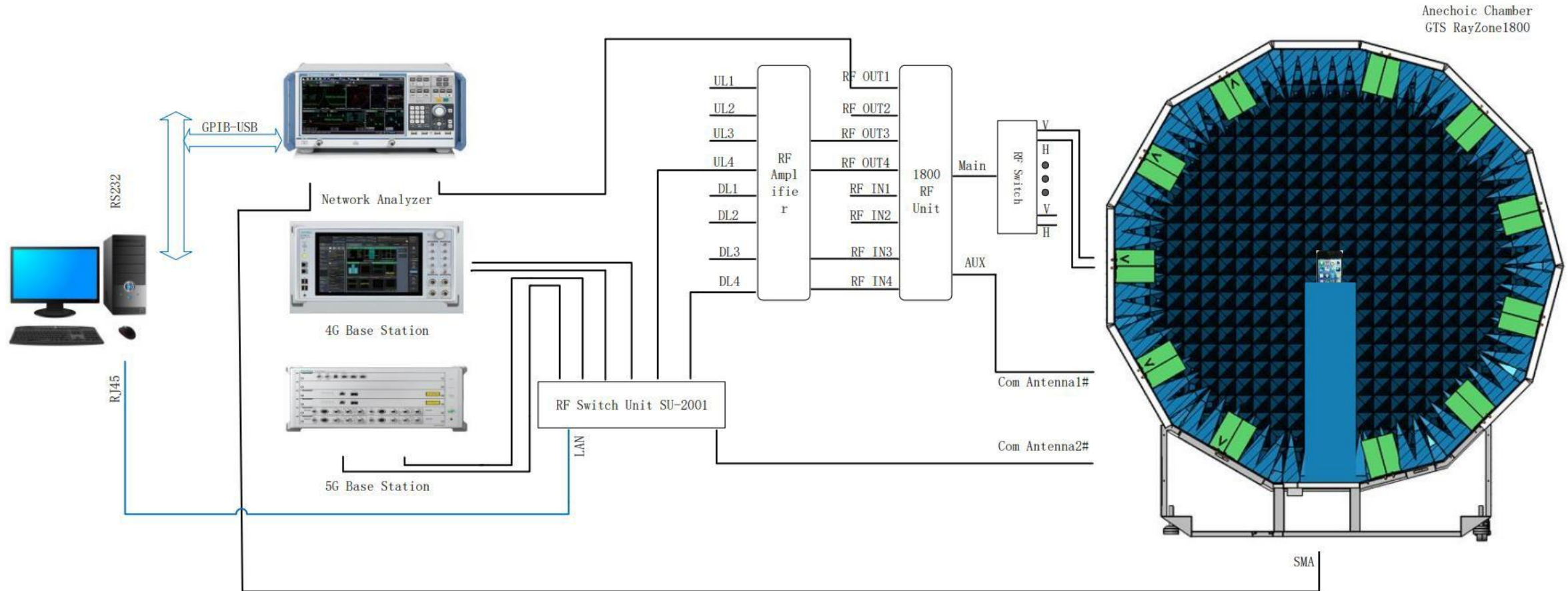
日期：2025-09-12



- 无线通信标准: 2G/3G/4G/5G(FR1)/GNSS/A-GNSS/Wi-Fi/Bluetooth
- 物联网通信标准: LTE Cat NB1(NB-IoT)/Cat-M1(e-MTC)
- SISO测试TRP/TIS/EIRP/EIS, 2×2 MIMO吞吐率测试;
- 无源天线测试、Desense测试、ICS
- 支持600MHz-7.5GHz频段
- GTS MaxSign 100 测试软件支持天线/OTA测试, 提供可视化数据分析
- 新型EPP硬质环保吸波材料、低RCS高增益测量天线组、透波转台和夹具
- 快速MIMO测试; 认证级测试精度
- 一体化设计, 即插即用, 维护简单



RayZone1800 Test Setup

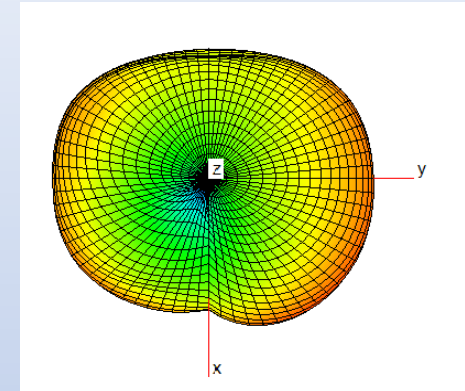
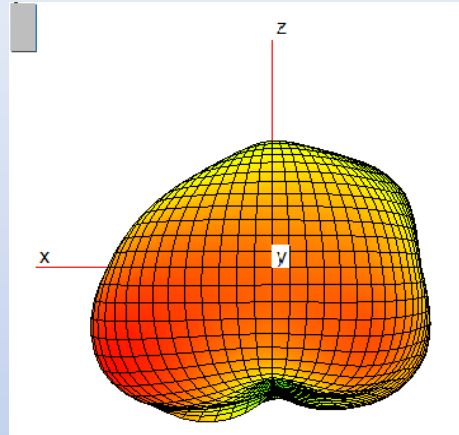
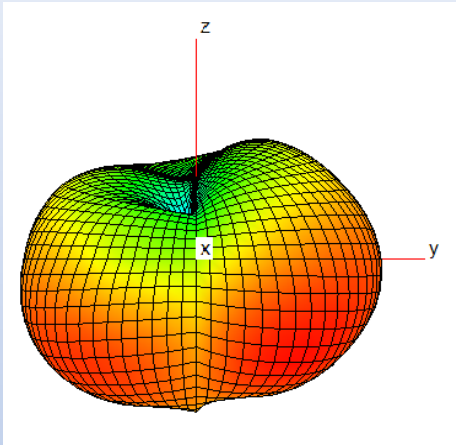




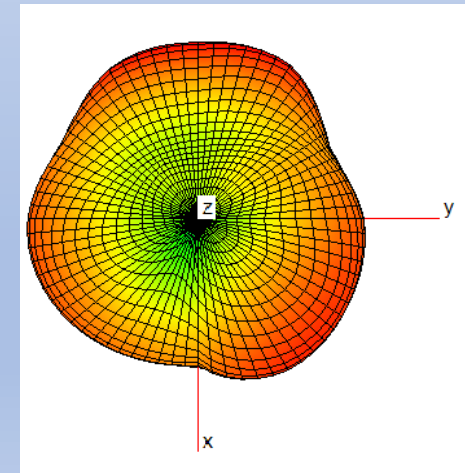
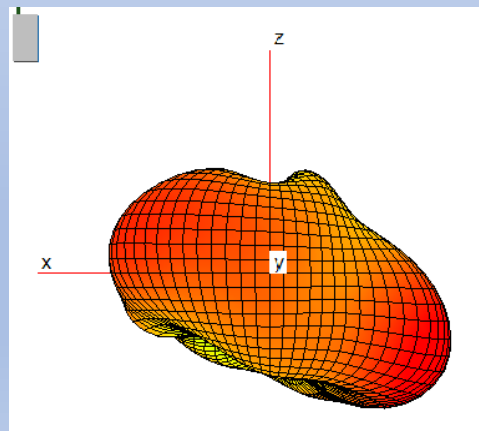
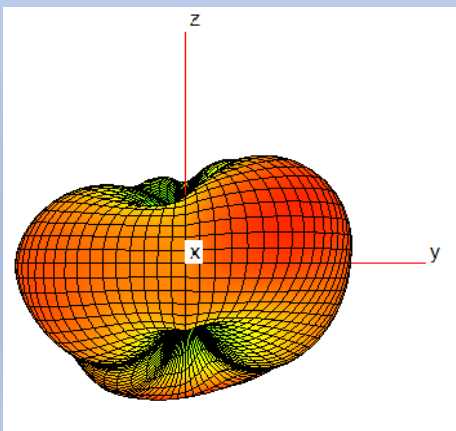
WKCT21-WIFI0-2.4G			
Freq	Efficiency_dB	Efficiency_Pcent	Gain
2300	-1.76	66.67	1.63
2310	-1.86	65.15	1.52
2320	-1.91	64.38	1.45
2330	-1.98	63.46	1.4
2340	-2.05	62.31	1.36
2350	-2.16	60.88	1.21
2360	-2.24	59.64	1.08
2370	-2.32	58.68	1.25
2380	-2.35	58.2	1.48
2390	-2.49	56.38	1.54
2400	-2.57	55.4	1.68
2410	-2.63	54.56	1.78
2420	-2.7	53.69	1.86
2430	-2.73	53.36	2.04
2440	-2.8	52.43	2.05
2450	-2.87	51.65	2.13
2460	-2.96	50.63	2.07
2470	-3.02	49.88	2.11
2480	-3.07	49.37	2.18
2490	-3.16	48.31	2.16
2500	-3.27	47.15	2.17
2510	-3.33	46.42	2.18
2520	-3.42	45.51	2.15
2530	-3.49	44.81	2.18
2540	-3.59	43.8	2.12
2550	-3.77	41.94	2.06
2560	-3.95	40.31	1.98
2570	-4.11	38.83	1.88
2580	-4.34	36.79	1.7
2590	-4.58	34.85	1.57
2600	-4.89	32.45	1.32

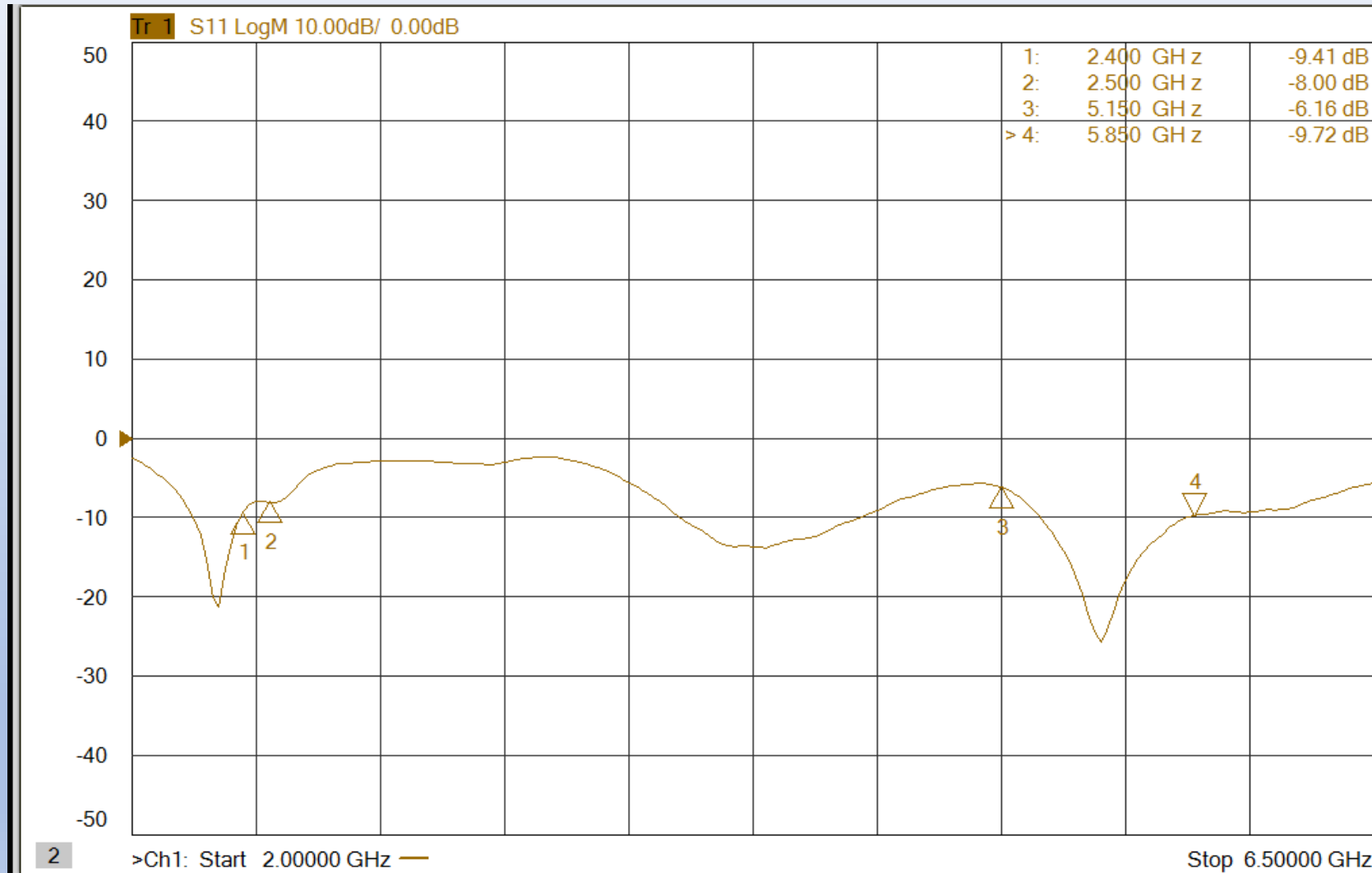
WKCT21-WIFI0-5G			
Freq	Efficiency_dB	Efficiency_Pcent	Gain
5150	-2.6	54.96	1.36
5170	-2.53	55.87	1.39
5190	-2.45	56.92	1.25
5210	-2.39	57.62	1.3
5230	-2.33	58.54	1.29
5250	-2.3	58.82	1.36
5270	-2.42	57.33	1.32
5290	-2.54	55.74	1.26
5310	-2.47	56.6	1.36
5330	-2.31	58.82	1.55
5350	-2.11	61.46	1.68
5370	-1.88	64.9	1.93
5390	-1.72	67.23	2.07
5410	-1.64	68.57	2.11
5430	-1.64	68.62	1.97
5450	-1.65	68.41	1.98
5470	-1.84	65.44	1.81
5490	-1.89	64.72	1.64
5510	-1.81	65.96	1.61
5530	-1.68	67.86	1.51
5550	-1.57	69.65	1.68
5570	-1.45	71.54	2.05
5590	-1.4	72.43	2.31
5610	-1.32	73.75	2.64
5630	-1.34	73.38	2.95
5650	-1.36	73.17	3.11
5670	-1.47	71.37	3.15
5690	-1.54	70.13	3.2
5710	-1.56	69.81	3.33
5730	-1.62	68.92	3.35
5750	-1.62	68.89	3.44
5770	-1.57	69.69	3.45
5790	-1.63	68.73	3.47
5810	-1.62	68.79	3.53
5830	-1.79	66.17	3.45
5850	-1.8	66	3.55

2400MHZ



5650MHZ



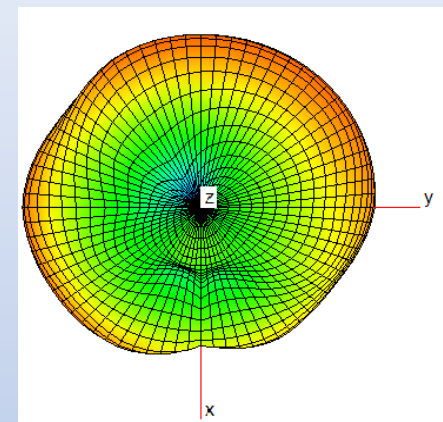
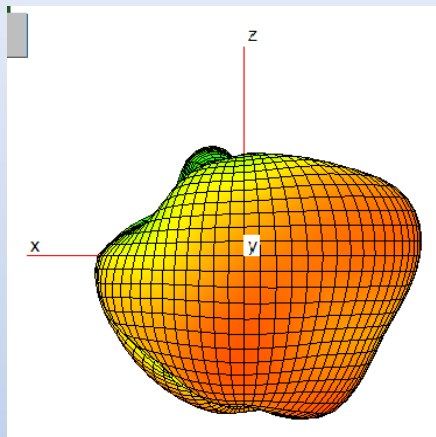
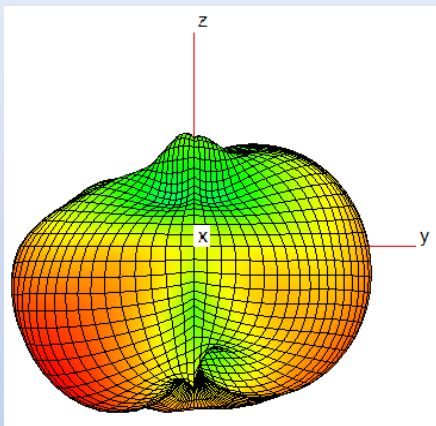




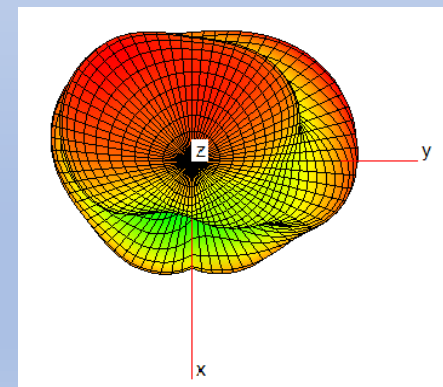
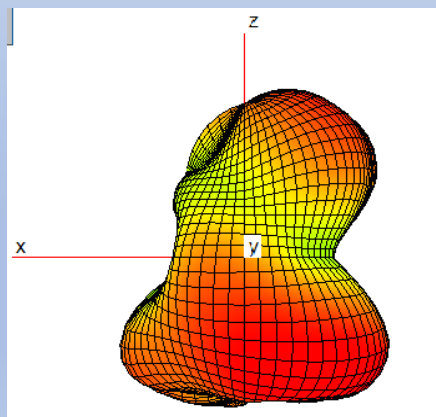
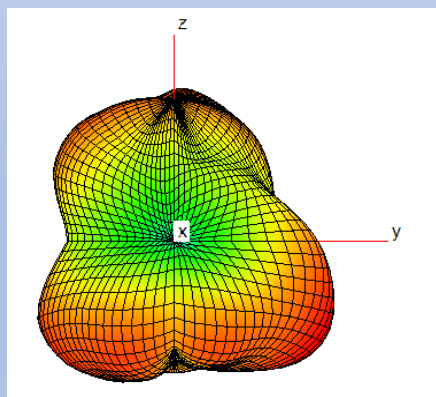
WKCT21-WIFI 1-2.4G			
Freq	Efficiency_dB	Efficiency_Pcent	Gain
2300	-5.99	25.16	-2.71
2310	-5.6	27.55	-2.31
2320	-5.3	29.53	-1.99
2330	-5.02	31.47	-1.68
2340	-4.71	33.82	-1.34
2350	-4.47	35.75	-1.03
2360	-4.2	38	-0.65
2370	-4.02	39.66	-0.34
2380	-3.91	40.6	-0.2
2390	-3.75	42.17	0.11
2400	-3.59	43.76	0.36
2410	-3.46	45.05	0.55
2420	-3.34	46.3	0.64
2430	-3.29	46.84	0.78
2440	-3.27	47.06	0.85
2450	-3.23	47.55	0.89
2460	-3.24	47.45	1.03
2470	-3.23	47.51	1.06
2480	-3.26	47.21	1.07
2490	-3.33	46.48	1.07
2500	-3.37	46.08	1.09
2510	-3.37	46.03	1.16
2520	-3.41	45.61	1.22
2530	-3.5	44.71	1.15
2540	-3.64	43.23	0.96
2550	-3.75	42.19	0.91
2560	-3.82	41.5	0.86
2570	-3.94	40.39	0.76
2580	-4.06	39.26	0.69
2590	-4.2	38.02	0.48
2600	-4.36	36.62	0.29

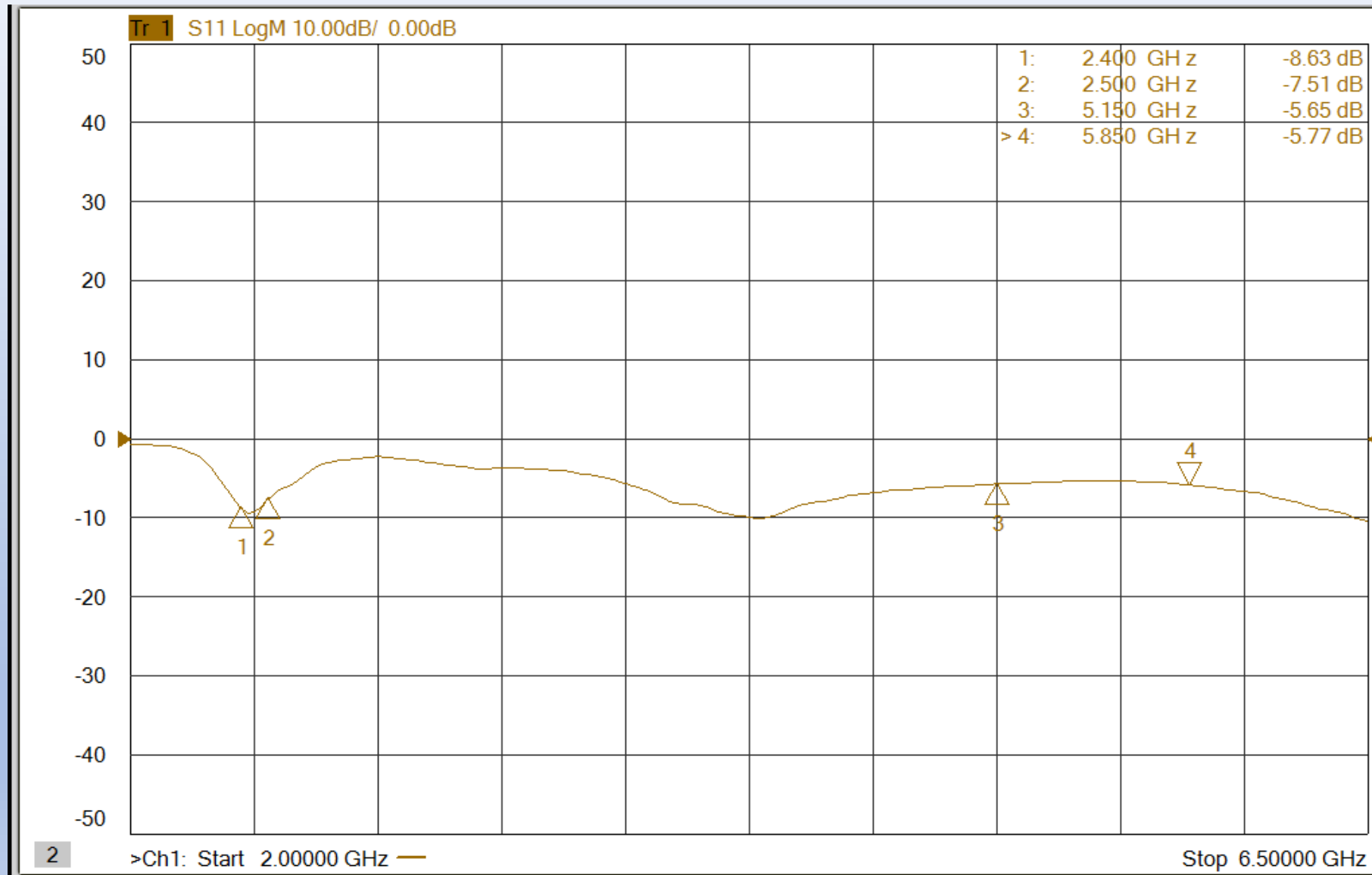
WKCT21-WIFI 1-5G			
Freq	Efficiency_dB	Efficiency_Pcent	Gain
5150	-3.06	49.49	1.91
5170	-3.04	49.7	1.91
5190	-2.91	51.22	2.13
5210	-2.92	51.06	2.22
5230	-2.97	50.44	2.12
5250	-3.02	49.91	2.06
5270	-3.08	49.16	1.96
5290	-3.3	46.73	1.59
5310	-3.41	45.55	1.6
5330	-3.45	45.21	1.38
5350	-3.34	46.36	1.63
5370	-3.11	48.89	1.83
5390	-3.04	49.62	2.01
5410	-3.04	49.64	2.08
5430	-3.05	49.5	2.15
5450	-3.1	49	2.12
5470	-3.34	46.35	1.99
5490	-3.54	44.3	1.71
5510	-3.58	43.9	1.79
5530	-3.51	44.57	1.98
5550	-3.35	46.2	1.98
5570	-3.16	48.35	2.11
5590	-3.08	49.21	2.19
5610	-3.03	49.73	2.18
5630	-3.01	50.04	2.08
5650	-2.94	50.86	2.18
5670	-2.94	50.85	2.16
5690	-2.92	51.11	2.26
5710	-2.95	50.67	2.28
5730	-2.99	50.25	2.22
5750	-2.94	50.83	2.35
5770	-2.89	51.35	2.26
5790	-2.98	50.34	2.2
5810	-2.99	50.22	2.07
5830	-2.99	50.21	2.07
5850	-2.83	52.06	2.06

2400MHZ



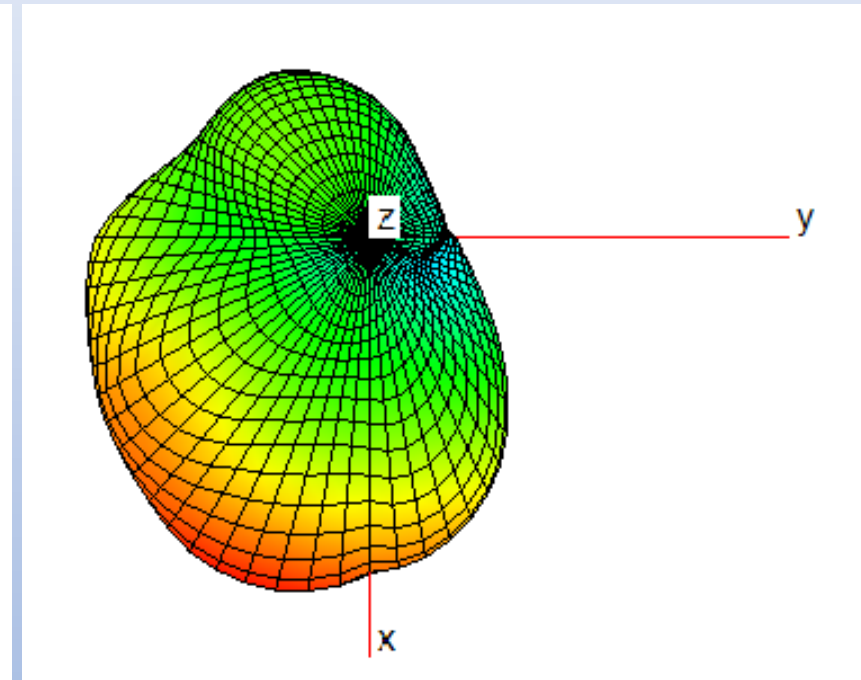
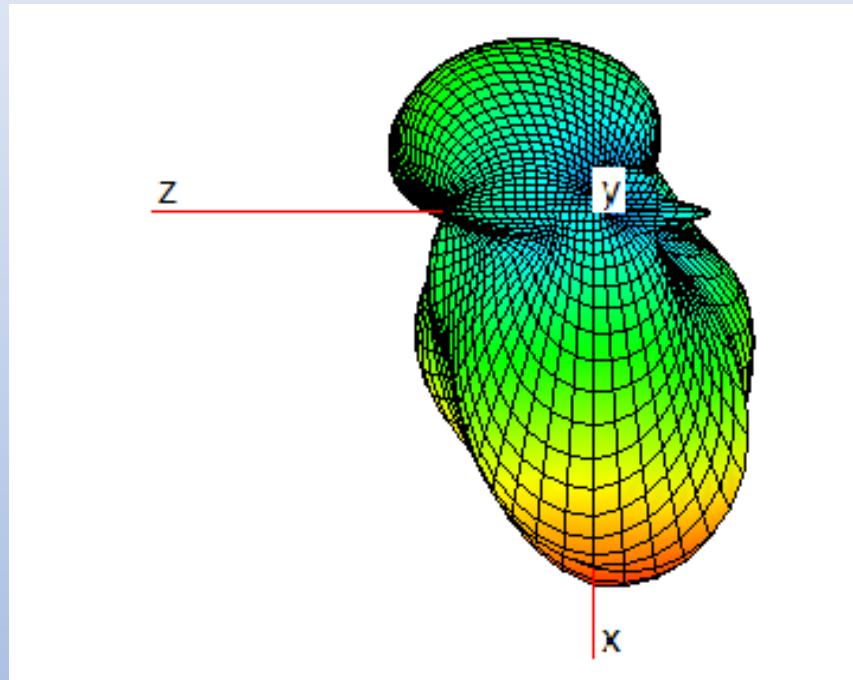
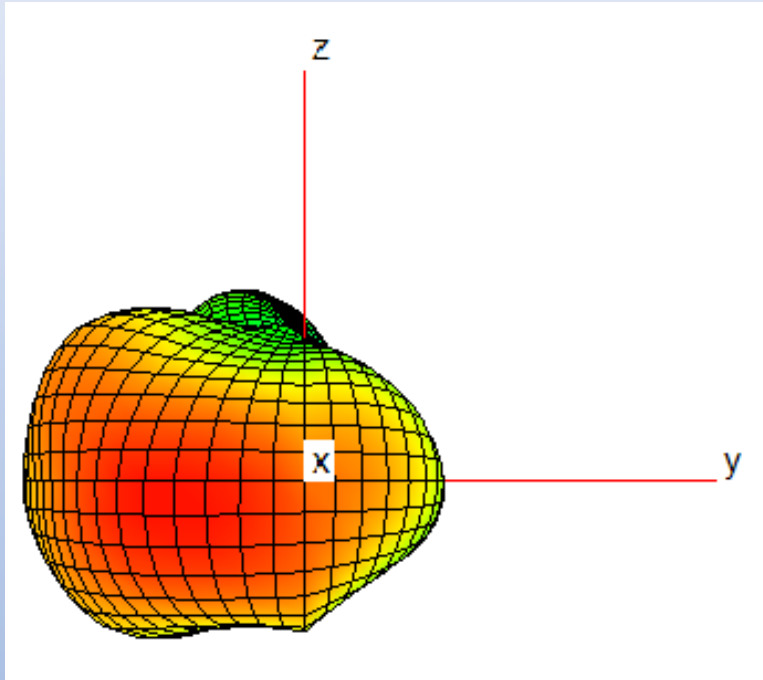
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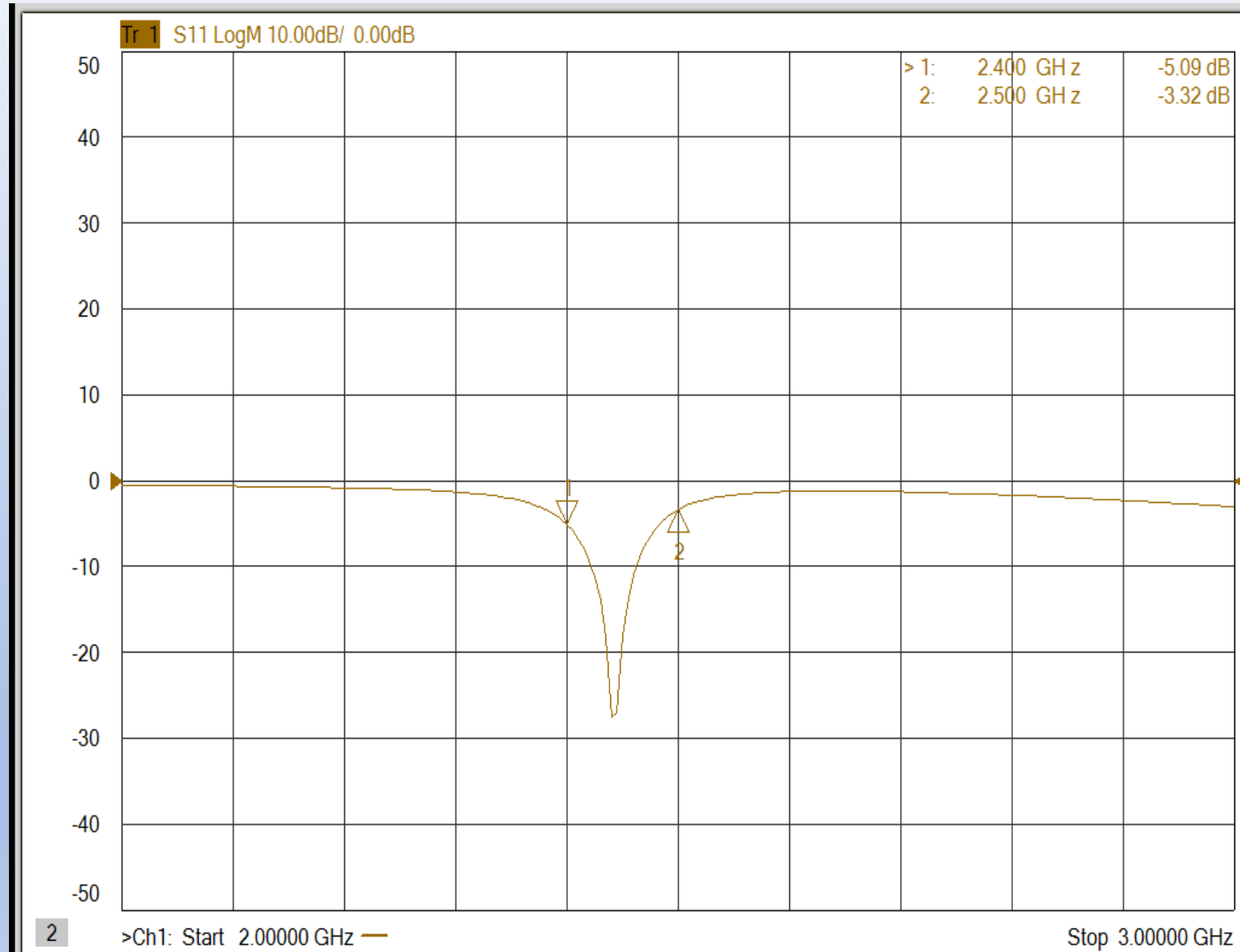




WKCT21-BT-2.4G			
Freq	Efficiency_dB	Efficiency_Pcent	Gain
2300	-14.23	3.78	-9.83
2310	-13.9	4.08	-9.4
2320	-13.6	4.37	-9.08
2330	-13.07	4.93	-8.5
2340	-12.56	5.55	-8.14
2350	-12.07	6.21	-7.52
2360	-11.46	7.15	-6.89
2370	-10.87	8.18	-6.46
2380	-10.13	9.7	-5.62
2390	-9.33	11.66	-4.91
2400	-8.62	13.74	-4.29
2410	-7.92	16.13	-3.7
2420	-7.4	18.21	-3.26
2430	-6.97	20.1	-2.97
2440	-6.81	20.86	-2.99
2450	-6.9	20.42	-3.27
2460	-7.22	18.98	-3.76
2470	-7.71	16.94	-4.37
2480	-8.39	14.48	-5.26
2490	-9.14	12.2	-6.32
2500	-9.79	10.49	-7.29
2510	-10.49	8.93	-8.2
2520	-11.23	7.53	-9.27
2530	-11.93	6.41	-10.23
2540	-12.56	5.55	-10.73
2550	-12.99	5.02	-11.34
2560	-13.44	4.53	-11.41
2570	-13.85	4.12	-11.58
2580	-14.25	3.76	-11.78
2590	-14.53	3.53	-11.74
2600	-14.7	3.39	-11.57

2400MHZ







深圳汉阳天线设计有限公司

SHENZHEN HANYANG ANTENNA DESIGN CO. LTD.

5G

Welcome calls consultations, negotiations and guidance come!

Thank you