



深圳市星源创科技有限公司

SHENZHEN Xingyuanchuang TECHNOLOGY CO., LTD

天线规格书

Antenna SPC

TC: 长城

MN: WM142030S

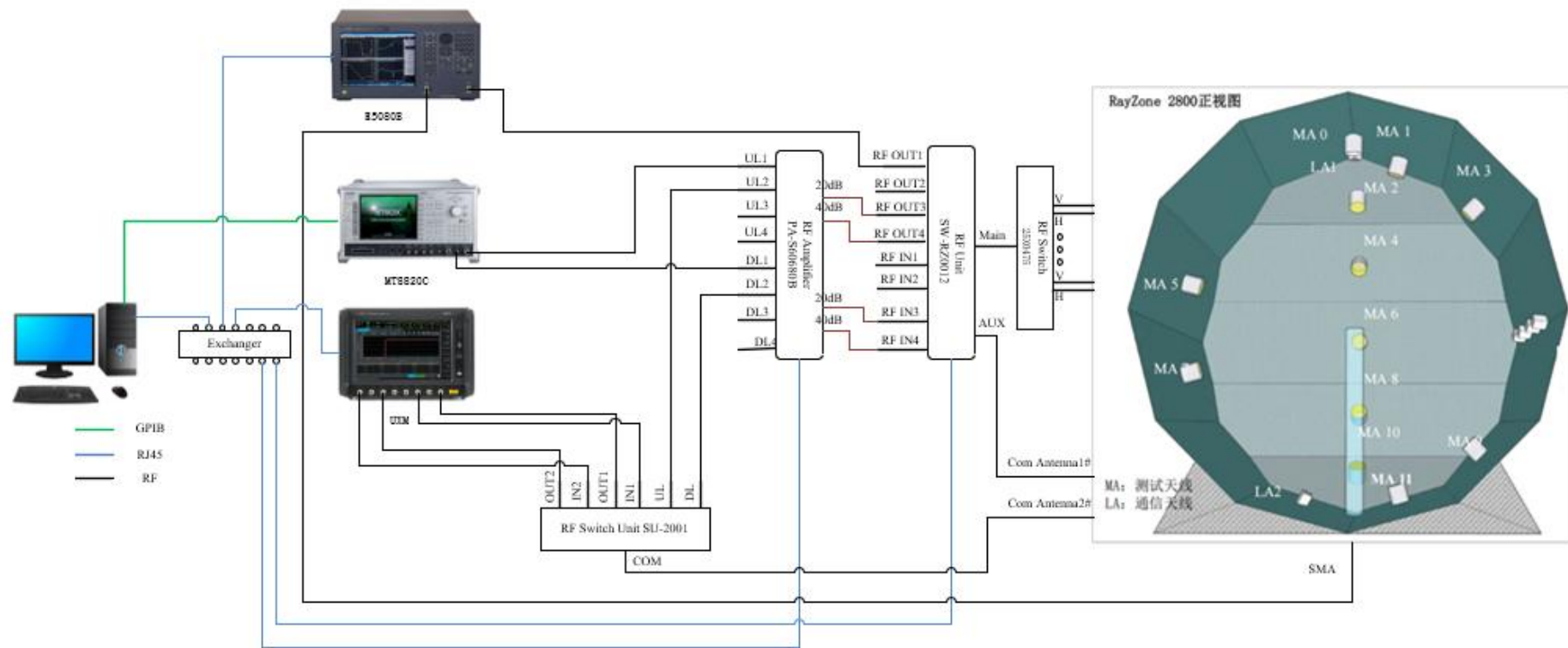
RF: 戴进平

MD: 黄清清

MP: 19918388579

Date: 2026. 04. 21.

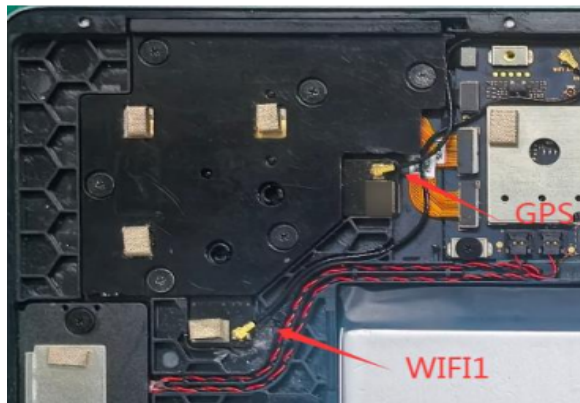
REV :V1. 0



天线位置 Antenna position



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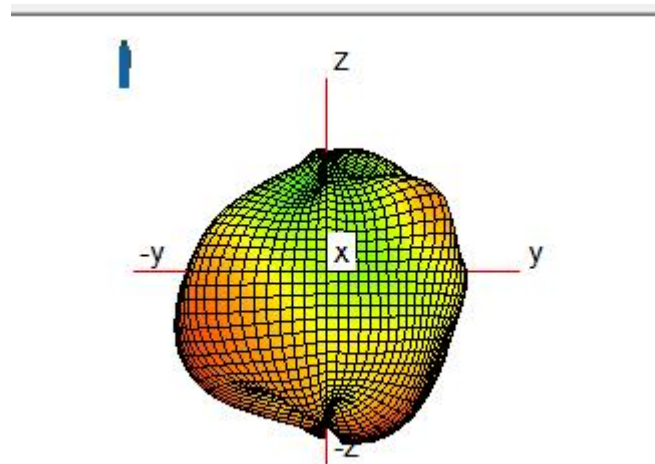


802.11b	Frequency	TRP		TIS	
	2412	CH1 11Mbps	11.02	CH1 11Mbps	-73.56
	2437	CH6 11Mbps	10.83	CH6 11Mbps	-73.08
	2467	CH11 11Mbps	10.54	CH11 11Mbps	-74.24
802.11a		TRP		TIS	
	5180	CH36 6Mbps	8.73	CH36 54Mbps	-66.73
	5300	CH60 6Mbps	7.25	CH60 54Mbps	-67.24
	5805	CH161 6Mbps	12.34	CH161 54Mbps	-71.03

ANT1 GAIN&Efficiency-GPS

测试频段	测试频率	Efficiency-DB	Efficiency-%	Gain(dBi)
PASSIVE	1560	-8.4	14.45	-3.3
PASSIVE	1565	-8.5	14.11	-3.5
PASSIVE	1570	-8.65	13.63	-3.81
PASSIVE	1575	-8.74	13.34	-4.02
PASSIVE	1580	-8.88	12.92	-4.35

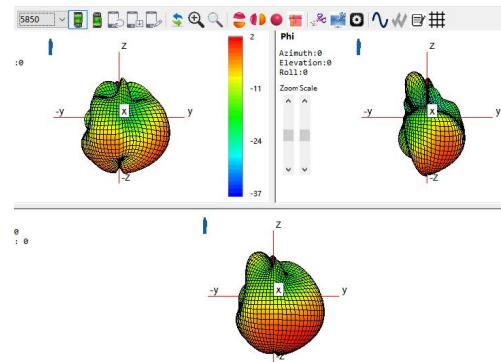
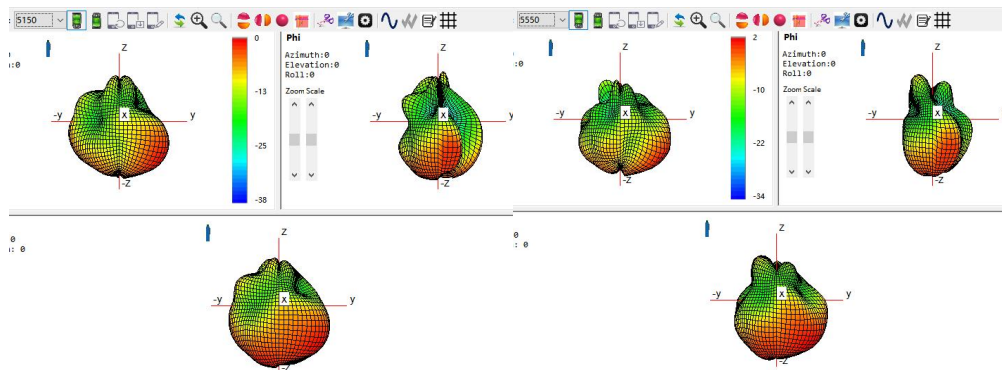
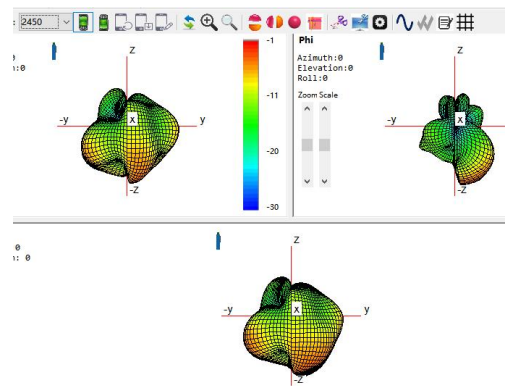
ANT1 Direction of figure (GPS)



ANT2 GAIN&Efficiency-2.4/5G/BT

测试频段	测试频率	Efficiency-DB	Efficiency-%	Gain(dBi)
PASSIVE	2400	-9.14	12.2	-2.35
PASSIVE	2410	-8.76	13.29	-2.03
PASSIVE	2420	-8.5	14.13	-1.85
PASSIVE	2430	-8.24	14.99	-1.7
PASSIVE	2440	-8.01	15.8	-1.54
PASSIVE	2450	-7.78	16.66	-1.4
PASSIVE	2460	-7.69	17.01	-1.37
PASSIVE	2470	-7.6	17.39	-1.33
PASSIVE	2480	-7.63	17.26	-1.42
PASSIVE	2490	-7.66	17.13	-1.45
PASSIVE	2500	-7.8	16.59	-1.38
PASSIVE	5150	-6.65	21.62	-0.79
PASSIVE	5200	-6.45	22.64	-0.08
PASSIVE	5250	-6.13	24.35	0.5
PASSIVE	5300	-5.85	26.02	0.86
PASSIVE	5350	-5.87	25.88	0.63
PASSIVE	5400	-5.67	27.1	0.67
PASSIVE	5450	-5.4	28.83	1.13
PASSIVE	5500	-5.53	27.97	1.06
PASSIVE	5550	-5.64	27.32	1.15
PASSIVE	5600	-5.67	27.09	1.41
PASSIVE	5650	-5.89	25.77	1.58
PASSIVE	5700	-5.98	25.23	1.77
PASSIVE	5750	-6.05	24.81	1.81
PASSIVE	5800	-6.07	24.73	1.6
PASSIVE	5850	-6.19	24.05	1.42

ANT2 Direction of figure (2.4/5G/BT)

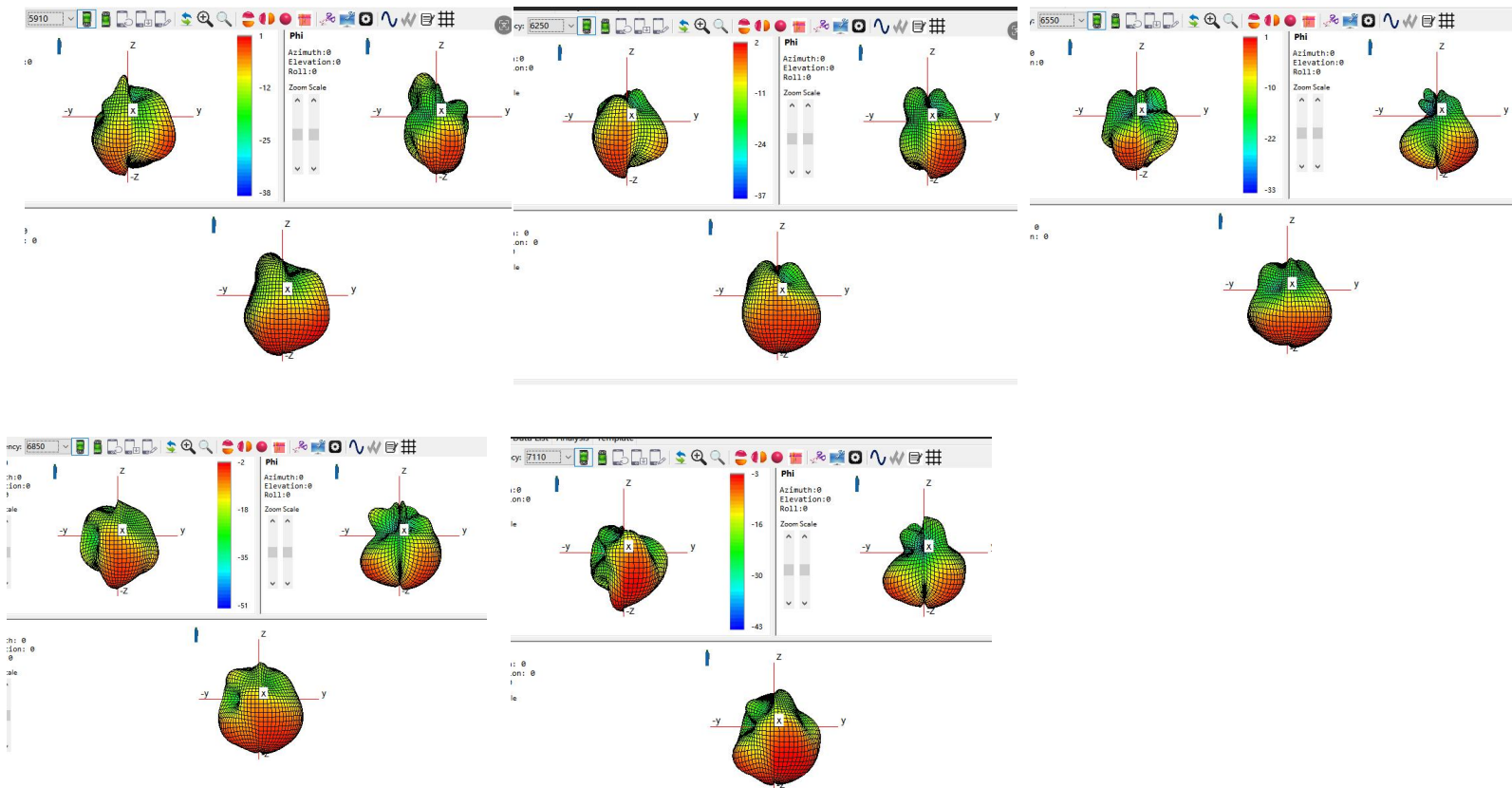


ANT2 GAIN&Efficiency-6G

测试频段	测试频率	Efficiency-DB	Efficiency-%	Gain[dBi]
PASSIVE	5890	-6.71	21.34	0.68
PASSIVE	5910	-6.98	20.03	0.45
PASSIVE	5930	-7.19	19.08	0.22
PASSIVE	5950	-7.2	19.04	0.27
PASSIVE	5970	-7.02	19.84	0.49
PASSIVE	5990	-7.1	19.52	0.56
PASSIVE	6010	-7.15	19.3	0.52
PASSIVE	6030	-6.79	20.96	0.81
PASSIVE	6050	-6.77	21.01	0.97
PASSIVE	6070	-6.81	20.85	1.04
PASSIVE	6090	-6.63	21.75	1.37
PASSIVE	6110	-6.62	21.78	1.56
PASSIVE	6130	-6.7	21.36	1.58
PASSIVE	6150	-6.59	21.94	1.74
PASSIVE	6170	-6.51	22.34	1.92
PASSIVE	6190	-6.61	21.84	1.79
PASSIVE	6210	-6.64	21.66	1.79
PASSIVE	6230	-6.75	21.14	1.55
PASSIVE	6250	-6.95	20.19	1.14
PASSIVE	6270	-7.09	19.55	0.88
PASSIVE	6290	-7.14	19.3	0.76
PASSIVE	6310	-7.32	18.54	0.39
PASSIVE	6330	-7.25	18.82	0.29
PASSIVE	6350	-7.23	18.94	0.13
PASSIVE	6370	-7.26	18.78	-0.08
PASSIVE	6390	-7.13	19.38	-0.03
PASSIVE	6410	-6.93	20.3	0.16
PASSIVE	6430	-6.81	20.86	0.23
PASSIVE	6450	-6.76	21.06	0.32
PASSIVE	6470	-6.77	21.04	0.44
PASSIVE	6490	-6.8	20.91	0.48
PASSIVE	6510	-6.84	20.69	0.38
PASSIVE	6530	-6.87	20.57	0.43
PASSIVE	6550	-7.01	19.92	0.42
PASSIVE	6570	-7.23	18.93	0.32
PASSIVE	6590	-7.38	18.28	0.18
PASSIVE	6610	-7.63	17.28	-0.11

38	PASSIVE	6610	-7.63	17.28	-0.11
39	PASSIVE	6630	-7.74	16.82	-0.2
40	PASSIVE	6650	-7.81	16.56	-0.22
41	PASSIVE	6670	-8.2	15.14	-0.46
42	PASSIVE	6690	-8.53	14.04	-0.66
43	PASSIVE	6710	-8.75	13.34	-0.75
44	PASSIVE	6730	-9.15	12.15	-1.19
45	PASSIVE	6750	-9.52	11.16	-1.49
46	PASSIVE	6770	-9.67	10.79	-1.57
47	PASSIVE	6790	-9.96	10.09	-1.81
48	PASSIVE	6810	-10.31	9.3	-2.17
49	PASSIVE	6830	-10.52	8.87	-2.33
50	PASSIVE	6850	-10.52	8.87	-2.43
51	PASSIVE	6870	-10.8	8.33	-2.74
52	PASSIVE	6890	-11.06	7.83	-3.02
53	PASSIVE	6910	-11.23	7.54	-3.37
54	PASSIVE	6930	-11.34	7.35	-3.45
55	PASSIVE	6950	-11.49	7.09	-3.57
56	PASSIVE	6970	-11.42	7.22	-3.5
57	PASSIVE	6990	-11.4	7.24	-3.44
58	PASSIVE	7010	-11.41	7.23	-3.44
59	PASSIVE	7030	-11.31	7.4	-3.5
60	PASSIVE	7050	-11.4	7.24	-3.55
61	PASSIVE	7070	-11.42	7.22	-3.71
62	PASSIVE	7090	-11.27	7.47	-3.6
63	PASSIVE	7110	-11.04	7.87	-3.28
64	PASSIVE	7130	-10.96	8.01	-3.2
65	PASSIVE	7150	-10.71	8.48	-2.93

ANT2 Direction of figure (2.4/5G/BT)

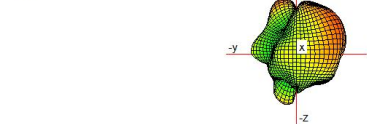
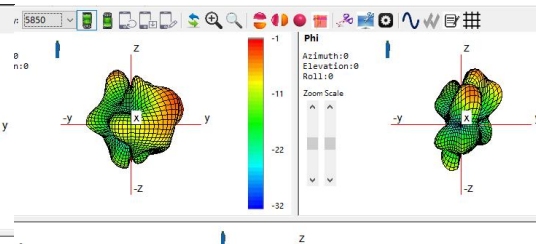
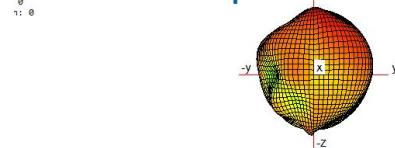
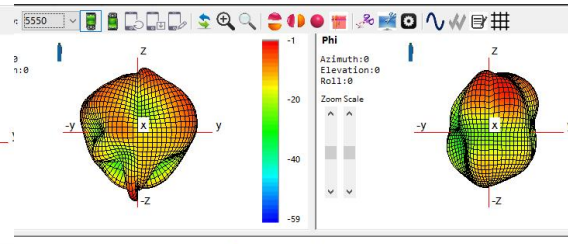
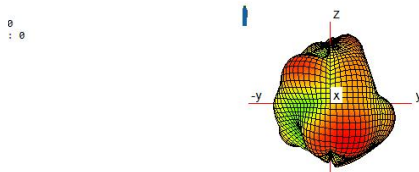
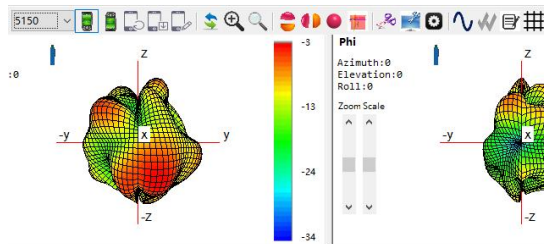
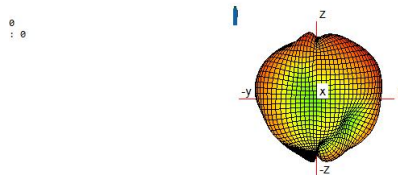
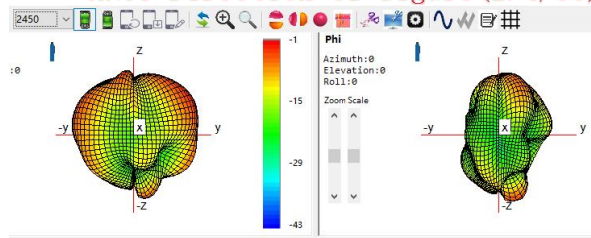


ANT3 GAIN&Efficiency-WIFI 2.4/5G

测试频段	测试频率	Efficiency-DB	Efficiency-%	Gain(dBi)
PASSIVE	2400	-8.03	15.74	-2.36
PASSIVE	2410	-7.9	16.2	-2.08
PASSIVE	2420	-7.87	16.34	-1.96
PASSIVE	2430	-7.83	16.5	-1.89
PASSIVE	2440	-7.7	16.99	-1.61
PASSIVE	2450	-7.6	17.38	-1.65
PASSIVE	2460	-7.62	17.31	-1.92
PASSIVE	2470	-7.69	17.02	-1.84
PASSIVE	2480	-7.76	16.76	-1.93
PASSIVE	2490	-7.82	16.52	-1.83
PASSIVE	2500	-7.95	16.02	-1.92
PASSIVE	5150	-9.18	12.07	-3.34
PASSIVE	5210	-8.73	13.4	-2.35
PASSIVE	5250	-8.8	13.17	-3.64
PASSIVE	5310	-8.56	13.94	-4.34
PASSIVE	5350	-8.46	14.25	-3.5
PASSIVE	5410	-8.28	14.86	-2.56
PASSIVE	5450	-7.98	15.92	-1.87
PASSIVE	5510	-7.96	16	-1.93
PASSIVE	5550	-7.8	16.6	-1.63
PASSIVE	5610	-7.96	16.01	-1.6
PASSIVE	5650	-8.13	15.39	-1.26
PASSIVE	5710	-8.42	14.38	-0.7
PASSIVE	5750	-8.6	13.81	-0.58
PASSIVE	5810	-8.84	13.08	-1.58
PASSIVE	5850	-9.21	11.99	-1.7



ANT3 Direction of figure (2.4/5G)



无源测试数据

Passive test data



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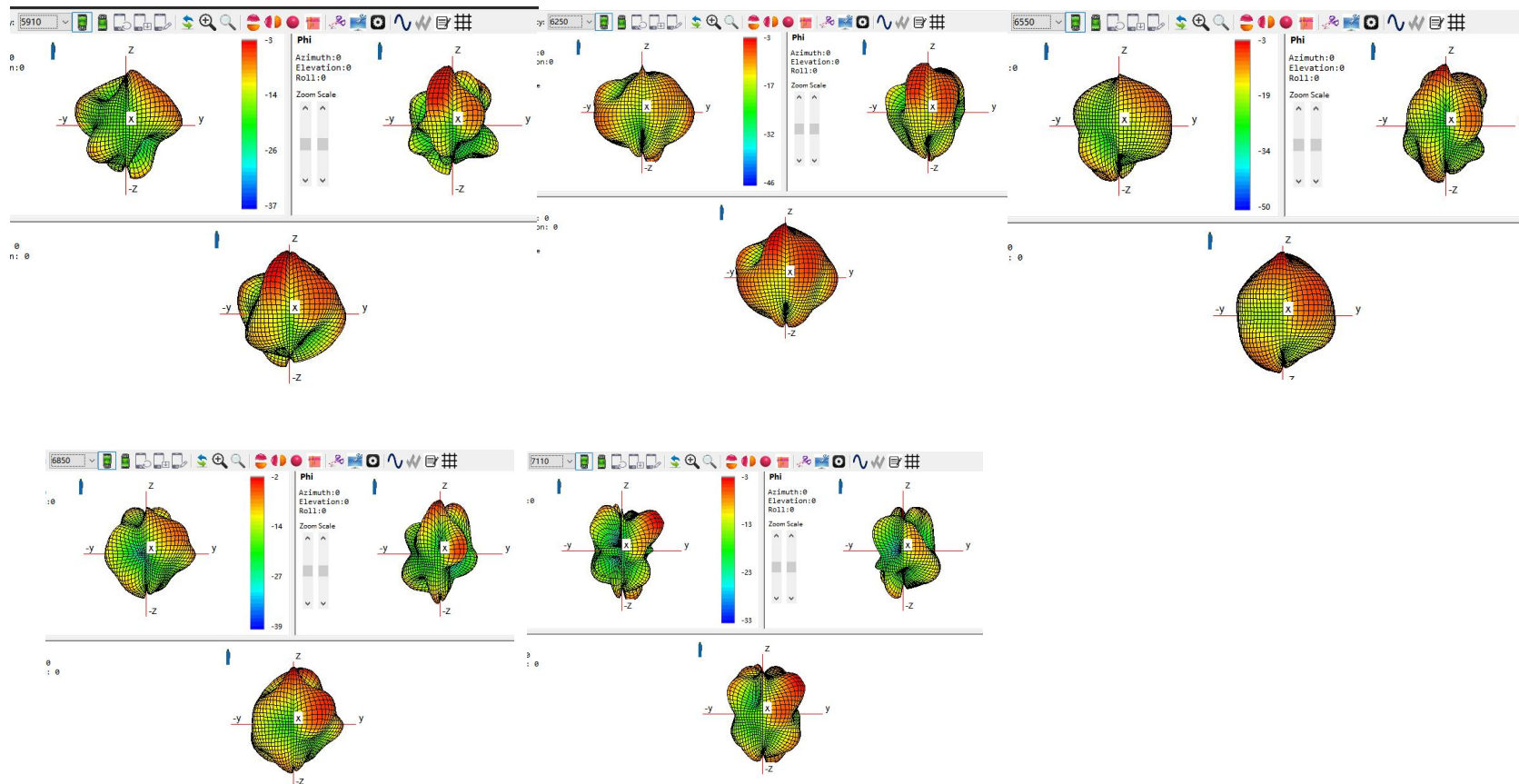
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ANT3 GAIN&Efficiency-WIFI6G

测试频段	测试频率	Efficiency-DB	Efficiency-%	Gain(dBi)
PASSIVE	5890	-9.61	10.94	-3.72
PASSIVE	5910	-10.02	9.96	-3.97
PASSIVE	5930	-10.22	9.51	-4.23
PASSIVE	5950	-10.24	9.46	-4.44
PASSIVE	5970	-10.33	9.27	-4.66
PASSIVE	5990	-10.44	9.03	-4.87
PASSIVE	6010	-10.33	9.27	-4.57
PASSIVE	6030	-10.29	9.35	-4.51
PASSIVE	6050	-10.19	9.57	-4.53
PASSIVE	6070	-9.88	10.28	-4.31
PASSIVE	6090	-9.82	10.42	-3.92
PASSIVE	6110	-9.62	10.92	-3.26
PASSIVE	6130	-9.48	11.27	-2.69
PASSIVE	6150	-9.56	11.08	-2.69
PASSIVE	6170	-9.51	11.19	-3.18
PASSIVE	6190	-9.54	11.11	-3.51
PASSIVE	6210	-9.72	10.66	-3.86
PASSIVE	6230	-9.87	10.3	-4.32
PASSIVE	6250	-9.94	10.14	-3.73
PASSIVE	6270	-10.36	9.21	-3.59
PASSIVE	6290	-10.41	9.1	-3.28
PASSIVE	6310	-10.51	8.89	-3.05
PASSIVE	6330	-10.99	7.97	-3.4
PASSIVE	6350	-11.14	7.68	-3.47
PASSIVE	6370	-11.21	7.56	-3.58
PASSIVE	6390	-11.51	7.06	-3.89
PASSIVE	6410	-11.45	7.16	-3.87
PASSIVE	6430	-11.38	7.28	-3.8
PASSIVE	6450	-11.58	6.94	-3.72
PASSIVE	6470	-11.66	6.82	-3.68
PASSIVE	6490	-11.51	7.06	-3.34
PASSIVE	6510	-11.54	7.01	-3.38
PASSIVE	6530	-11.49	7.09	-3.29
PASSIVE	6550	-11.34	7.34	-3.14
PASSIVE	6570	-11.36	7.31	-3.16
PASSIVE	6590	-11.16	7.66	-2.95
PASSIVE	6610	-10.88	8.17	-2.83

PASSIVE	6610	-10.88	8.17	-2.83
PASSIVE	6630	-10.7	8.52	-2.76
PASSIVE	6650	-10.41	9.11	-2.62
PASSIVE	6670	-10.32	9.28	-2.52
PASSIVE	6690	-10.32	9.29	-2.71
PASSIVE	6710	-10.06	9.86	-3.2
PASSIVE	6730	-9.88	10.29	-3.85
PASSIVE	6750	-9.91	10.22	-3.96
PASSIVE	6770	-9.95	10.1	-3.85
PASSIVE	6790	-10.13	9.7	-3.54
PASSIVE	6810	-10.42	9.09	-3.24
PASSIVE	6830	-10.61	8.7	-3.04
PASSIVE	6850	-10.54	8.84	-2.78
PASSIVE	6870	-10.68	8.56	-3.08
PASSIVE	6890	-10.86	8.2	-3.8
PASSIVE	6910	-11.09	7.78	-4.36
PASSIVE	6930	-11.19	7.6	-4.51
PASSIVE	6950	-11.29	7.44	-4.74
PASSIVE	6970	-11.31	7.39	-4.84
PASSIVE	6990	-11.27	7.46	-4.36
PASSIVE	7010	-11.18	7.62	-3.93
PASSIVE	7030	-11.05	7.85	-3.75
PASSIVE	7050	-10.93	8.07	-3.68
PASSIVE	7070	-10.72	8.48	-3.54
PASSIVE	7090	-10.49	8.93	-3.37
PASSIVE	7110	-10.24	9.46	-3.07
PASSIVE	7130	-10	10.01	-2.53
PASSIVE	7150	-9.77	10.54	-2.01
PASSIVE	7170	-9.69	10.74	-1.51

ANT3 Direction of figure (6G)





ANTENNA

深圳市星源创科技有限公司

SHENZHEN Xingyuan Chuang TECHNOLOGY CO., LTD

END

thank you!!