



深圳市星源创科技有限公司
SHENZHEN Xingyuanchuang TECHNOLOGY CO., LTD

天线测试报告

Antenna Test Report

TC: 英卡
MN: G12/YK62
RF: 戴进平
MD: 黄清清
MP: 19918388579

Date: 2026. 03. 11.
REV : V2. 1

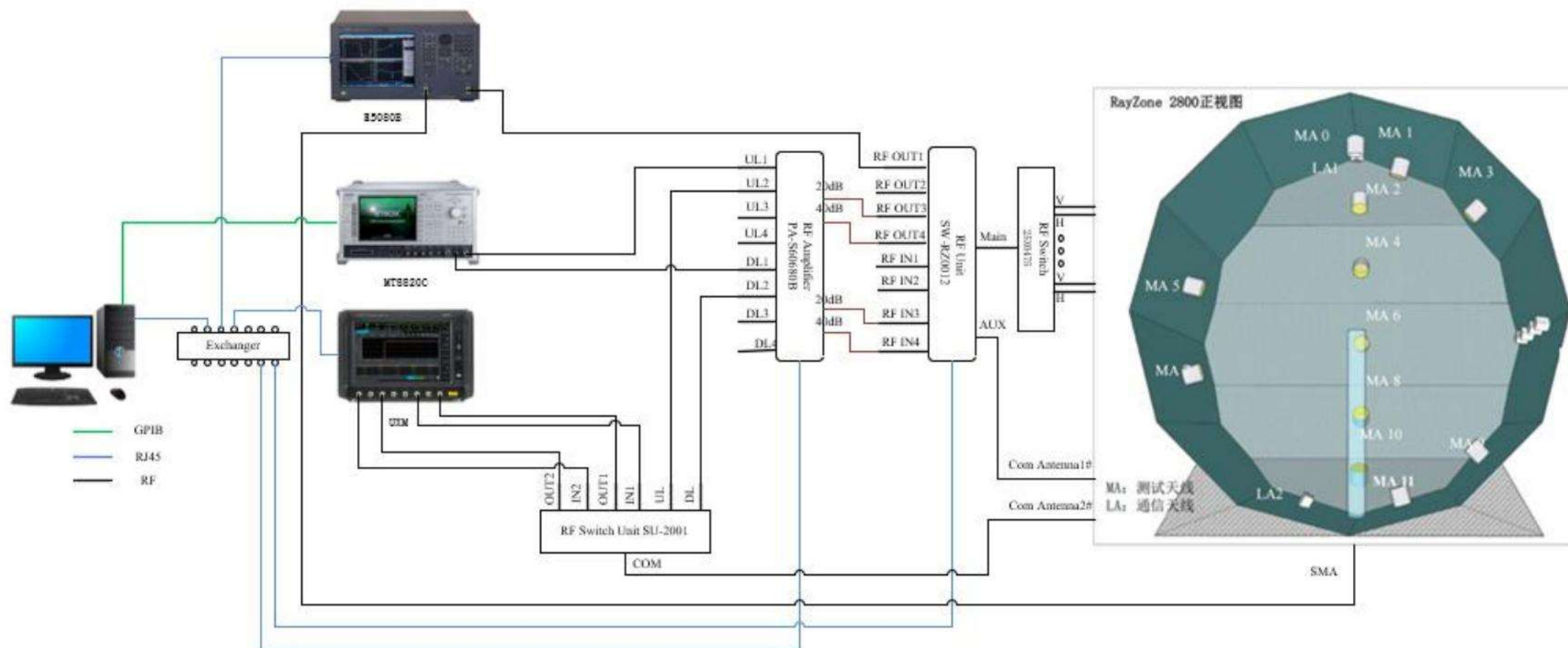


深圳市星源创科技有限公司

SHENZHEN Xingyuanchuang TECHNOLOGY CO., LTD

测试信息 Test information

		Antenna band	Antenna state	Antenna form	Matchc hanges	Note
Main ANT	2G	850/900/1800/1900				
	3G	1/2/4/5/8	FPC	PIFA	NO	
	4G	1/2/3/4/5/7/8/18/19/20/26/28/38/39/40/41				
AUX ANT	BT/WIFI	2.4/5G	FPC	PIFA	NO	
	GPS	1.575G	FPC	PIFA	NO	
	DIV		FPC	PIFA	NO	



天线位置

Antenna position



深圳市星源创科技有限公司
SHENZHEN Xingyuanchuang TECHNOLOGY CO., LTD



2G/3G									
Band	GSM850	GSM900	DCS1800	PCS1900	WCDMA1	WCDMA2	WCDMA4	WCDMA5	WCDMA8
TX(dBm)									
RX(dBm)									
4G FDD(10M)/TDD (20M)									
Band	B1	B2	B3	B4	B5	B7	B8	B12	B17
TX(dBm)	20.17	20.50	22.27	22.40	21.53	20.69	21.40		
RX(dBm)									
Band	B28	B18	B19	B66	B34	B38	B39	B40	B41
TX(dBm)	22.90	22.0	21.60	21.40		20.32	21.25	20.97	21.33
RX(dBm)									

Band	GSM850			GSM900			GSM-1800(DCS)			GSM-1900(PCS)			FDD-Band 66(10M)		
Channel	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
TRP(dBm)													15.12	16.30	17.80
TIS(LCD OFF)															-95.95
TIS(LCD ON)															
Band	WCDMA-1			WCDMA-2			WCDMA-4			WCDMA-5			FDD-Band 1(10M)		
Channel	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
TRP(dBm)													19.0	18.37	17.84
TIS(LCD OFF)															-96.44
TIS(LCD ON)															
Band	FDD-Band 2(10M)			FDD-Band 3(10M)			FDD-Band 4(10M)			FDD-Band 5(10M)			FDD-Band 7(10M)		
Channel	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
TRP(dBm)	18.64	19.05	19.57	16.88	17.81	19.56	16.83	17.43	17.22	16.0	16.59	15.66	16.91	17.82	17.68
TIS(LCD OFF)			-96.46			-94.67			-96.32			-91.89			-90.01
TIS(LCD ON)															
Band	FDD-Band 8(10M)			FDD-Band 18(10M)			FDD-Band 19(10M)			FDD-Band 20(1M)			FDD-Band 26(5M)		
Channel	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
TRP(dBm)	14.42	14.82	13.30		16.24		14.91	16.81	16.11	15.45	14.04	14.32	15.94	16.11	15.90
TIS(LCD OFF)			-89.34		-93.08				-92.86			-92.16			-93.31
TIS(LCD ON)															
Band	FDD-Band 28(10M)			FDD-Band 38(20M)			FDD-Band 39(20M)			FDD-Band 40(20M)			FDD-Band 41(20M)		
Channel	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
TRP(dBm)	15.92	15.03	16.48	17.47	17.22	17.05	19.57	19.37	19.75	18.14	18.76	17.17	18.33	18.25	17.97
TIS(LCD OFF)			-91.03			-91.27			-92.25			-92.18			-91.12
TIS(LCD ON)															

802.11b	Frequency	TRP		TIS	
	2412	CH1 11Mbps	14.53	CH1 11Mbps	-82.78
	2437	CH6 11Mbps	14.27	CH6 11Mbps	-83.26
	2467	CH11 11Mbps	14.34	CH11 11Mbps	-82.63
802.11a		TRP		TIS	
	5180	CH36 6Mbps	12.43	CH36 54Mbps	-71.52
	5300	CH60 6Mbps	11.74	CH60 54Mbps	-71.63
	5805	CH161 6Mbps	11.03	CH161 54Mbps	-71.10

无源测试数据

Passive Test Data



深圳市星源创科技有限公司

SHENZHEN Xingyuanchuang TECHNOLOGY CO., LTD

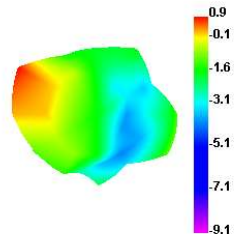
Passive Test For WIFI5G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
5150	35.73	-4.47	0.89	-1.26
5170	36.04	-4.43	1.03	-1.12
5190	35.66	-4.48	0.87	-1.28
5210	36.22	-4.41	0.71	-1.44
5230	35.31	-4.52	0.22	-1.93
5250	33.42	-4.76	-0.55	-2.7

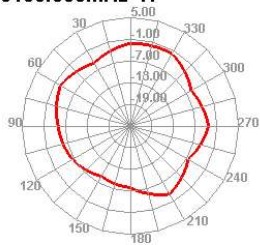
Passive Test For WIFI5G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
5710	33.44	-4.76	-0.08	-2.23
5730	28.24	-5.49	-0.4	-2.55
5750	31.99	-4.95	0.41	-1.74
5770	31.61	-5	0.59	-1.56
5790	33.37	-4.77	1.16	-0.99
5810	33.35	-4.77	1.48	-0.67
5830	34.09	-4.67	1.71	-0.44
5850	33.28	-4.78	1.5	-0.65

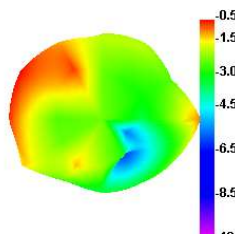
5150.000MHz



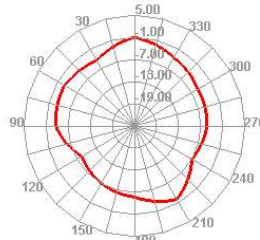
5150.000MHz H



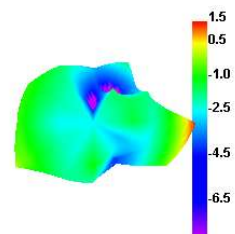
5250.000MHz



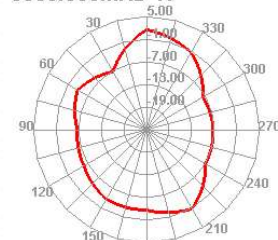
5250.000MHz H



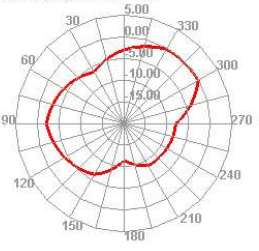
5850.000MHz



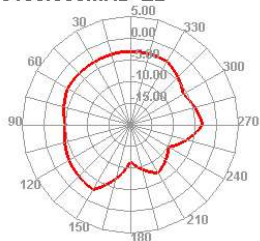
5850.000MHz H



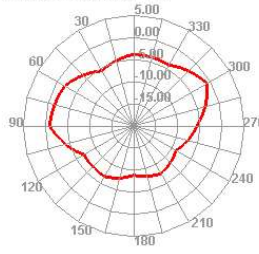
5150.000MHz E1



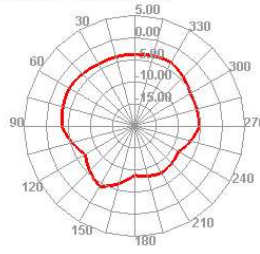
5150.000MHz E2



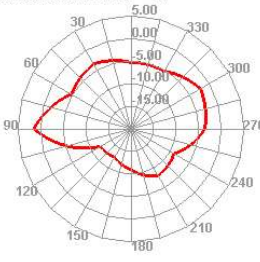
5250.000MHz E1



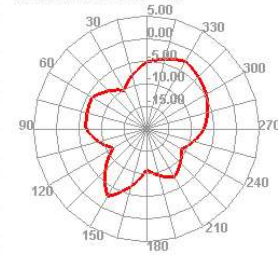
5250.000MHz E2



5850.000MHz E1



5850.000MHz E2



无源测试数据

Passive Test Data



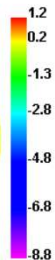
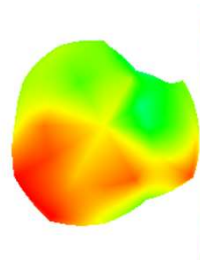
深圳市星源创科技有限公司

SHENZHEN Xingyuanchuang TECHNOLOGY CO., LTD

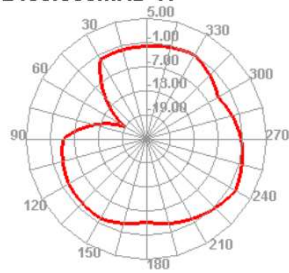
Passive Test For WIFI2.4

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2400	54.07	-2.67	1.15	-1
2410	53.24	-2.74	1.18	-0.97
2420	49.41	-3.06	0.86	-1.29
2430	46.89	-3.29	0.52	-1.63
2440	49.48	-3.06	0.9	-1.25
2450	49.23	-3.08	0.95	-1.2
2460	40.65	-3.91	0.14	-2.01
2470	41.9	-3.78	0.31	-1.84
2480	41.57	-3.81	0.46	-1.69
2490	37.7	-4.24	0.04	-2.11
2500	30.76	-5.12	-0.94	-3.09

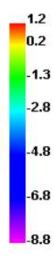
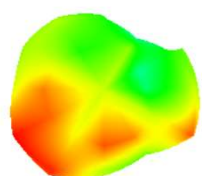
2400.000MHz



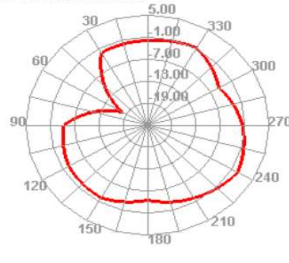
2400.000MHz H



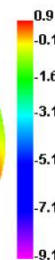
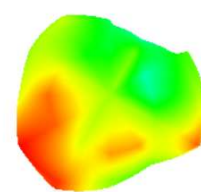
2410.000MHz



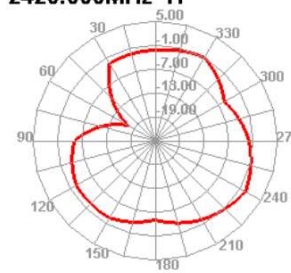
2410.000MHz H



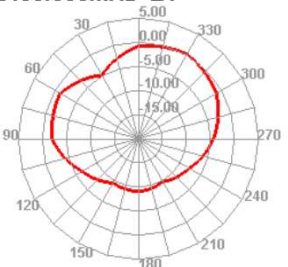
2420.000MHz



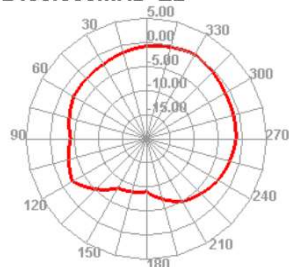
2420.000MHz H



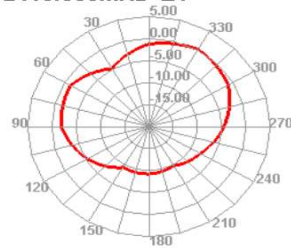
2400.000MHz E1



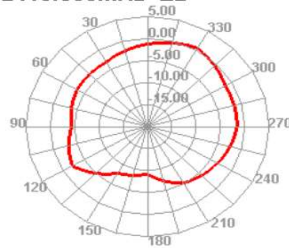
2400.000MHz E2



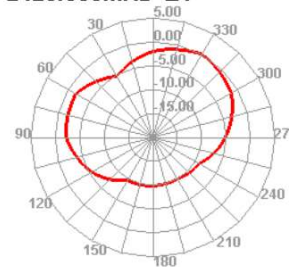
2410.000MHz E1



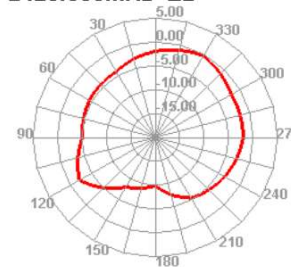
2410.000MHz E2



2420.000MHz E1



2420.000MHz E2



无源测试数据

Passive Test Data

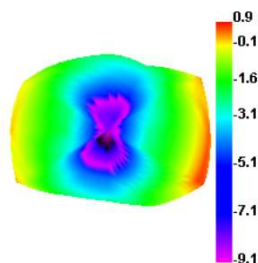


深圳市星源创科技有限公司

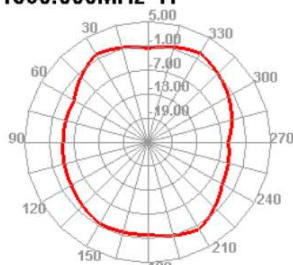
SHENZHEN Xingyuanchuang TECHNOLOGY CO., LTD

Passive Test For GPS				
Freq	Effi	Effi	Gain	Gain
(MHz)	(%)	(dB)	(dBi)	(dBd)
1560	52.53	-2.8	0.87	-1.28
1565	55.91	-2.53	1.16	-0.99
1570	53.93	-2.68	1.08	-1.07
1575	51.96	-2.84	0.98	-1.17
1580	51.23	-2.9	0.9	-1.25

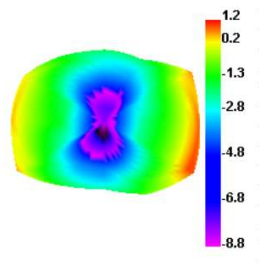
1560.000MHz



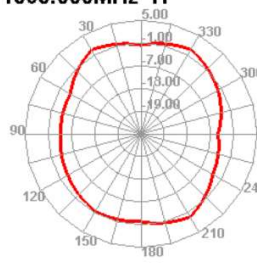
1560.000MHz H



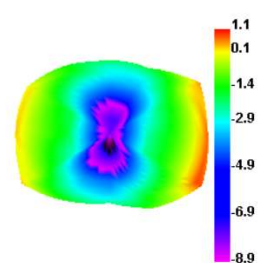
1565.000MHz



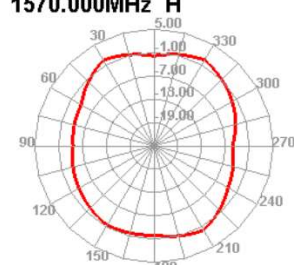
1565.000MHz H



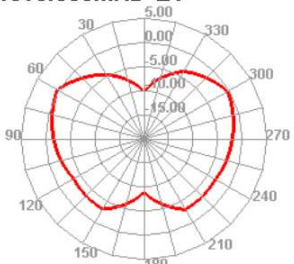
1570.000MHz



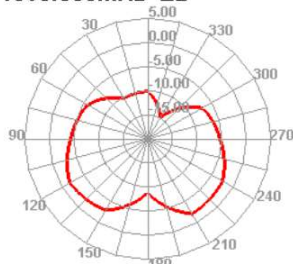
1570.000MHz H



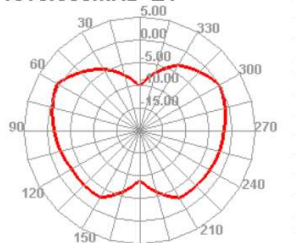
1560.000MHz E1



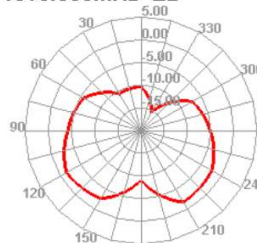
1560.000MHz E2



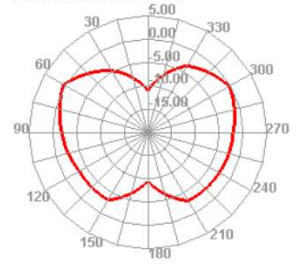
1565.000MHz E1



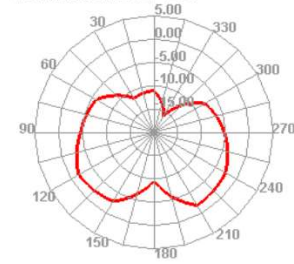
1565.000MHz E2



1570.000MHz E1



1570.000MHz E2



无源测试数据

Passive Test Data



深圳市星源创科技有限公司

SHENZHEN Xingyuanchuang TECHNOLOGY CO., LTD

Passive Test For LTE					Passive Test For LTE					Passive Test For LTE				
Freq	Effi	Effi	Gain	Gain	Freq	Effi	Effi	Gain	Gain	Freq	Effi	Effi	Gain	Gain
(MHz)	(%)	(dB)	(dBi)	(dBd)	(MHz)	(%)	(dB)	(dBi)	(dBd)	(MHz)	(%)	(dB)	(dBi)	(dBd)
1690	22.32	-6.51	-2.7	-4.85	1940	34.14	-4.67	0.11	-2.04	2300	28.25	-5.49	-1.19	-3.34
1700	23.86	-6.22	-2.49	-4.64	1950	32	-4.95	-0.35	-2.5	2310	27.52	-5.6	-0.99	-3.14
1710	21.36	-6.7	-3.04	-5.19	1960	36.62	-4.36	0.18	-1.97	2320	30.19	-5.2	-0.32	-2.47
1720	20.69	-6.84	-3.07	-5.22	1970	35.09	-4.55	-0.02	-2.17	2330	30.56	-5.15	0.03	-2.12
1730	24.41	-6.13	-2.09	-4.24	1980	35.25	-4.53	-0.01	-2.16	2340	29.9	-5.24	0.15	-2
1740	27.33	-5.63	-1.63	-3.78	1990	33.85	-4.7	-0.14	-2.29	2350	30.65	-5.14	0.4	-1.75
1750	26.35	-5.79	-1.97	-4.12	2000	34.66	-4.6	-0.24	-2.39	2360	30.43	-5.17	0.43	-1.72
1760	23.56	-6.28	-2.24	-4.39	2010	40.01	-3.98	0.33	-1.82	2370	29.69	-5.27	0.28	-1.87
1770	28.05	-5.52	-1.48	-3.63	2020	36.65	-4.36	-0.1	-2.25	2380	28.91	-5.39	0.11	-2.04
1780	31.8	-4.98	-0.71	-2.86	2030	31.92	-4.96	-0.77	-2.92	2390	28.01	-5.53	-0.04	-2.19
1790	28.3	-5.48	-0.99	-3.14	2040	38.99	-4.09	-0.14	-2.29	2400	27.95	-5.54	-0.05	-2.2
1800	28.6	-5.44	-0.8	-2.95	2050	36.25	-4.41	-0.55	-2.7	2500	25.56	-5.92	-1.39	-3.54
1810	31.12	-5.07	-0.4	-2.55	2060	32.1	-4.93	-1.22	-3.37	2510	27.44	-5.62	-1.42	-3.57
1820	31.06	-5.08	-0.48	-2.63	2070	27.65	-5.58	-1.84	-3.99	2520	26.87	-5.71	-1.41	-3.56
1830	32.74	-4.85	-0.33	-2.48	2080	31.52	-5.01	-1.31	-3.46	2530	27.55	-5.6	-1.18	-3.33
1840	34.81	-4.58	0.04	-2.11	2090	31.15	-5.07	-1.47	-3.62	2540	30.51	-5.16	-0.63	-2.78
1850	35.79	-4.46	0.21	-1.94	2100	24.62	-6.09	-2.36	-4.51	2550	34.68	-4.6	-0.1	-2.25
1860	35.29	-4.52	0.17	-1.98	2110	27.11	-5.67	-1.81	-3.96	2560	30.1	-5.21	-0.7	-2.85
1870	35.03	-4.56	0.16	-1.99	2120	30.24	-5.19	-1.28	-3.43	2570	29.74	-5.27	-0.79	-2.94
1880	34.71	-4.6	0.2	-1.95	2130	30.87	-5.1	-1.45	-3.6	2580	32.71	-4.85	-0.42	-2.57
1890	30.55	-5.15	-0.22	-2.37	2140	28.3	-5.48	-1.97	-4.12	2590	33.14	-4.8	-0.52	-2.67
1900	28.05	-5.52	-0.7	-2.85	2150	28.73	-5.42	-1.85	-4	2600	31.3	-5.04	-0.77	-2.92
1910	33.75	-4.72	0.07	-2.08	2160	32.14	-4.93	-1.45	-3.6	2610	29.08	-5.36	-1.07	-3.22
1920	32.76	-4.85	-0.09	-2.24	2170	33.46	-4.76	-1.26	-3.41	2620	30.75	-5.12	-0.94	-3.09
1930	30.35	-5.18	-0.42	-2.57	2180	34	-4.69	-1.22	-3.37	2630	28.09	-5.51	-1.29	-3.44

无源测试数据

Passive Test Data



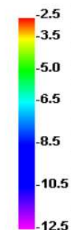
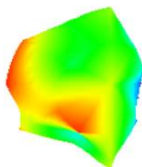
深圳市星源创科技有限公司

SHENZHEN Xingyuanchuang TECHNOLOGY CO., LTD

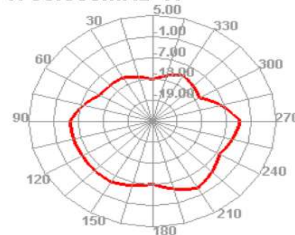
Passive Test For LTE

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2640	28.78	-5.41	-1	-3.15
2650	29.28	-5.33	-0.78	-2.93
2660	26.15	-5.83	-1.25	-3.4
2670	22.35	-6.51	-1.91	-4.06
2680	22.86	-6.41	-1.78	-3.93
2690	24.78	-6.06	-1.33	-3.48
2700	20.02	-6.99	-2.11	-4.26

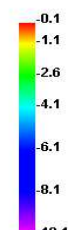
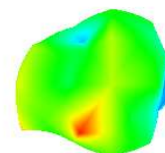
1700.000MHz



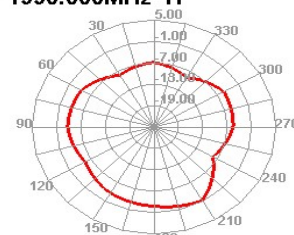
1700.000MHz H



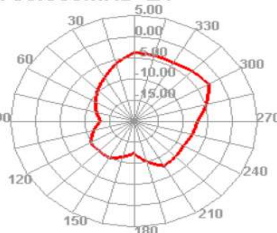
1990.000MHz



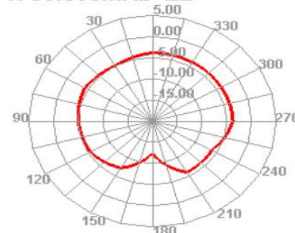
1990.000MHz H



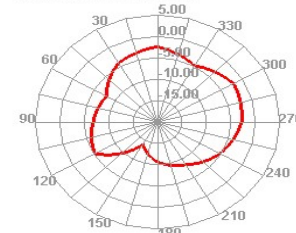
1700.000MHz E1



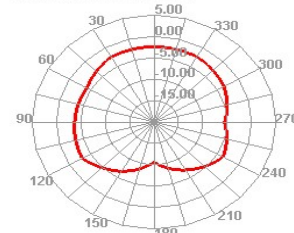
1700.000MHz E2



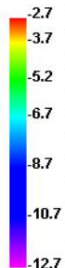
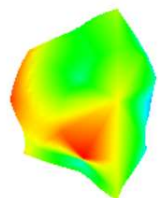
1990.000MHz E1



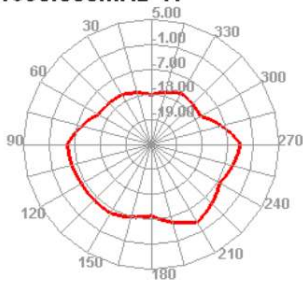
1990.000MHz E2



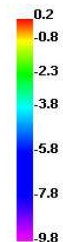
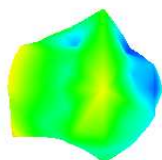
1690.000MHz



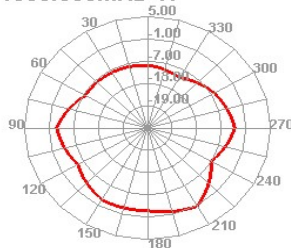
1690.000MHz H



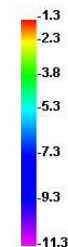
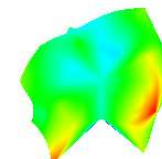
1880.000MHz



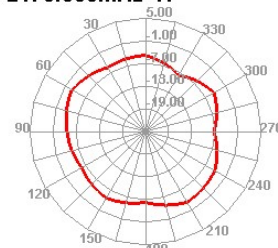
1880.000MHz H



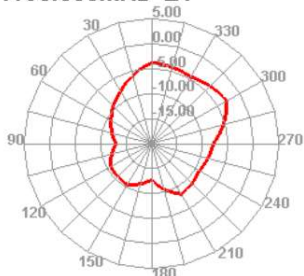
2170.000MHz



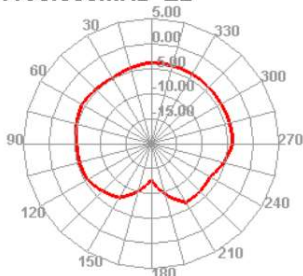
2170.000MHz H



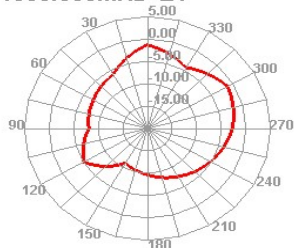
1690.000MHz E1



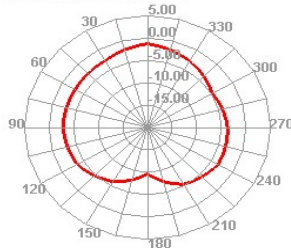
1690.000MHz E2



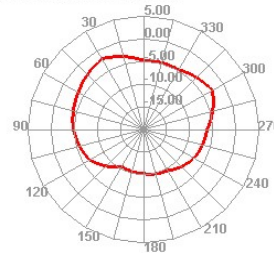
1880.000MHz E1



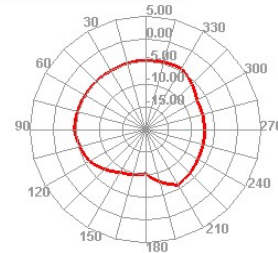
1880.000MHz E2



2170.000MHz E1



2170.000MHz E2

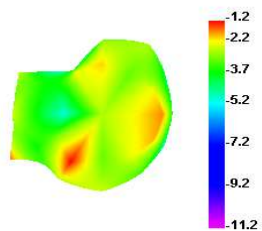


无源测试数据
Passive Test Data

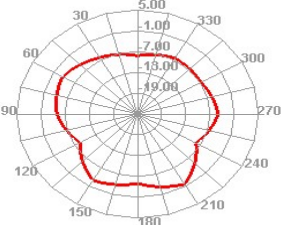


深圳市星源创科技有限公司
SHENZHEN Xingyuanchuang TECHNOLOGY CO., LTD

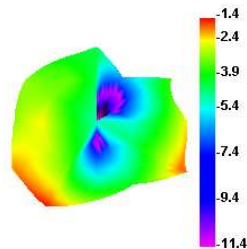
2300.000MHz



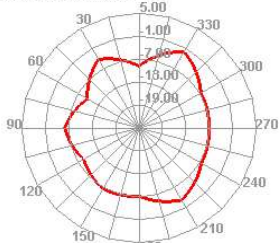
2300.000MHz H



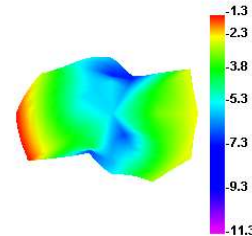
2500.000MHz



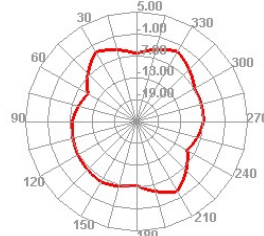
2500.000MHz H



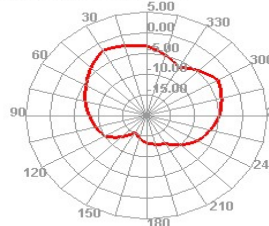
2690.000MHz



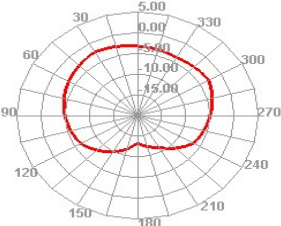
2690.000MHz H



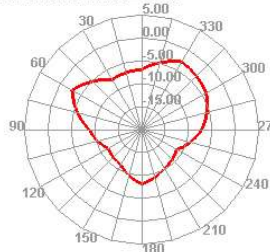
2300.000MHz E1



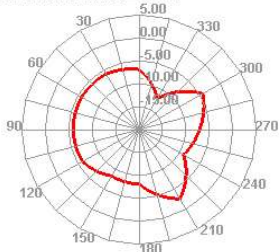
2300.000MHz E2



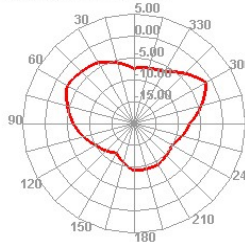
2500.000MHz E1



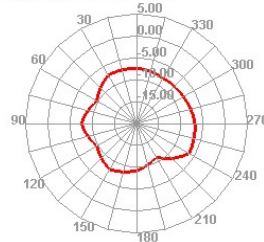
2500.000MHz E2



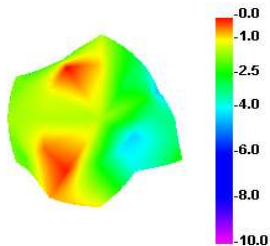
2690.000MHz E1



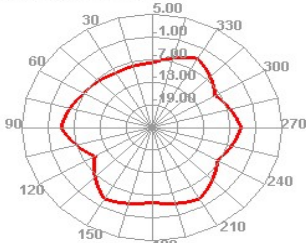
2690.000MHz E2



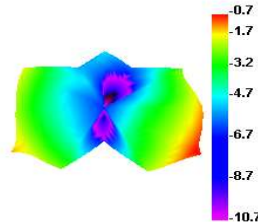
2400.000MHz



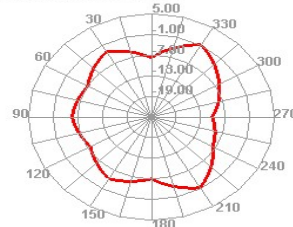
2400.000MHz H



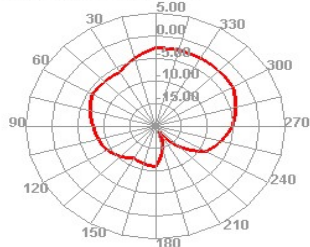
2560.000MHz



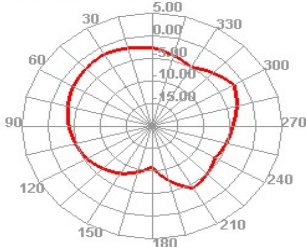
2560.000MHz H



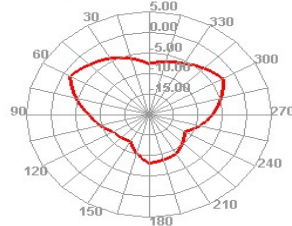
2400.000MHz E1



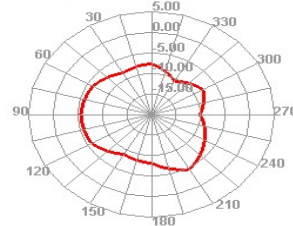
2400.000MHz E2



2560.000MHz E1



2560.000MHz E2



无源测试数据

Passive Test Data



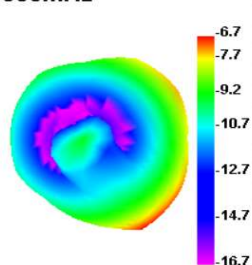
深圳市星源创科技有限公司

SHENZHEN Xingyuanchuang TECHNOLOGY CO., LTD

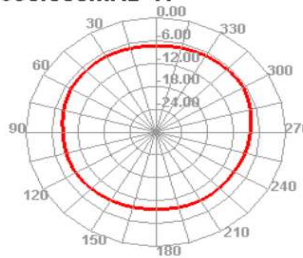


Passive Test For LTE				
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
690	11.38	-9.44	-6.65	-8.8
700	13.02	-8.85	-6.37	-8.52
710	15.9	-7.99	-4.97	-7.12
720	18.92	-7.23	-3.8	-5.95
730	19.1	-7.19	-3.98	-6.13
740	16.61	-7.8	-5	-7.15
750	17.07	-7.68	-4.69	-6.84
760	19.02	-7.21	-4.02	-6.17
770	19.48	-7.11	-3.97	-6.12
780	18.53	-7.32	-4.34	-6.49
790	16.57	-7.81	-4.95	-7.1
800	17.34	-7.61	-4.83	-6.98
810	18.52	-7.32	-4.45	-6.6
820	16.11	-7.93	-4.74	-6.89
830	13.63	-8.66	-5.64	-7.79
840	13.67	-8.64	-5.53	-7.68
850	15.64	-8.06	-4.69	-6.84
860	14.44	-8.4	-5.01	-7.16
870	12.15	-9.16	-5.84	-7.99
880	11.72	-9.31	-6.08	-8.23
890	12.91	-8.89	-5.54	-7.69
900	12.5	-9.03	-5.5	-7.65
910	11.7	-9.32	-5.77	-7.92
920	10.63	-9.74	-6.25	-8.4
930	10.49	-9.79	-6.43	-8.58
940	10.38	-9.84	-6.33	-8.48
950	9.03	-10.44	-6.65	-8.8
960	8.54	-10.68	-6.89	-9.04

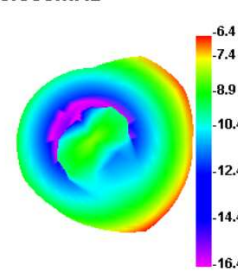
690.000MHz



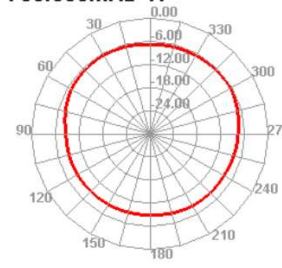
690.000MHz H



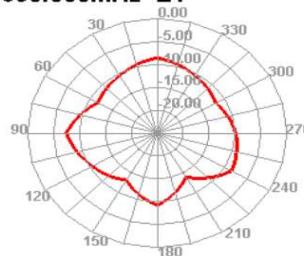
700.000MHz



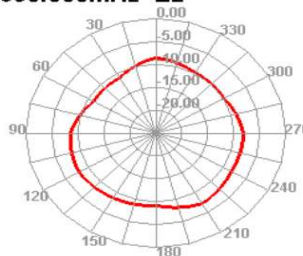
700.000MHz H



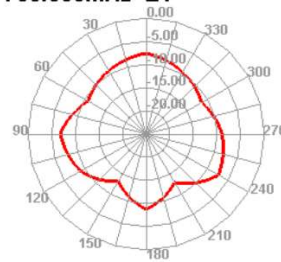
690.000MHz E1



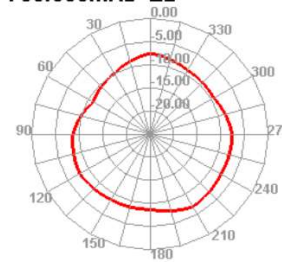
690.000MHz E2



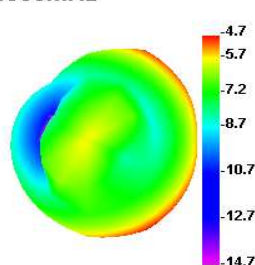
700.000MHz E1



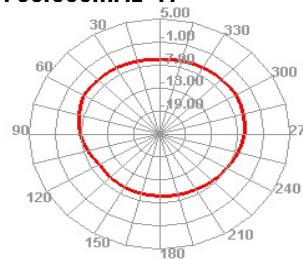
700.000MHz E2



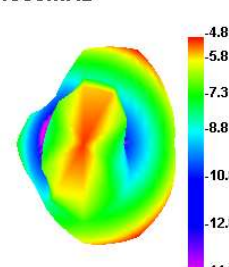
750.000MHz



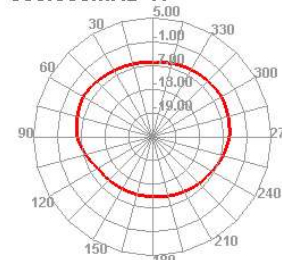
750.000MHz H



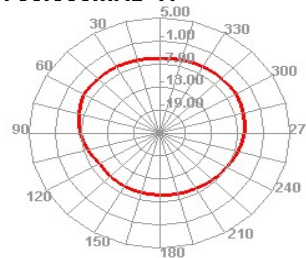
800.000MHz



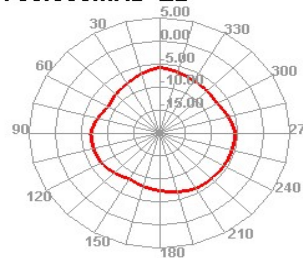
800.000MHz H



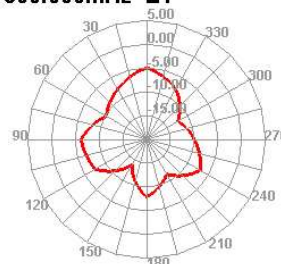
750.000MHz H



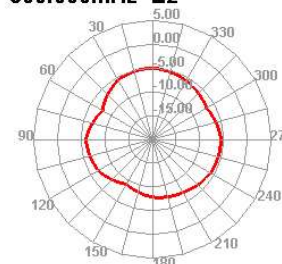
750.000MHz E2



800.000MHz E1



800.000MHz E2

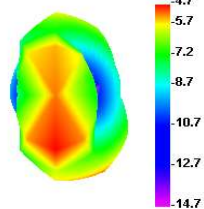


无源测试数据
Passive Test Data

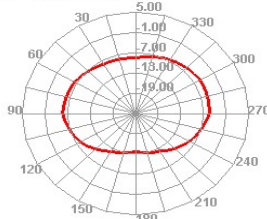


深圳市星源创科技有限公司
SHENZHEN Xingyuanchuang TECHNOLOGY CO., LTD

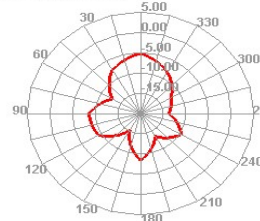
850.000MHz



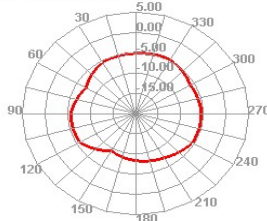
850.000MHz H



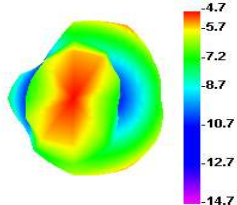
850.000MHz E1



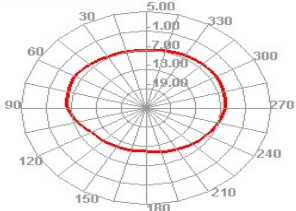
850.000MHz E2



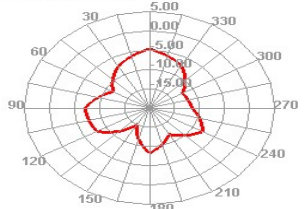
820.000MHz



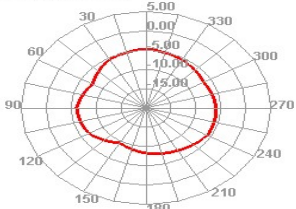
820.000MHz H



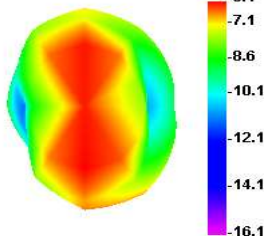
820.000MHz E1



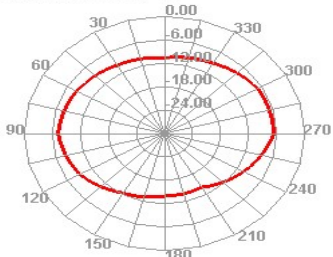
820.000MHz E2



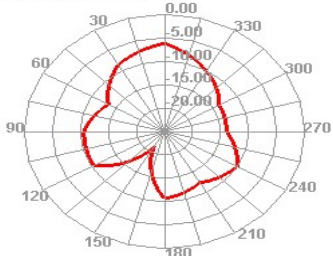
880.000MHz



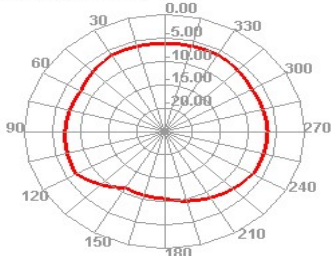
880.000MHz H



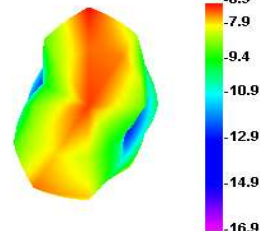
880.000MHz E1



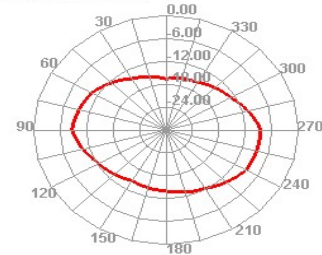
880.000MHz E2



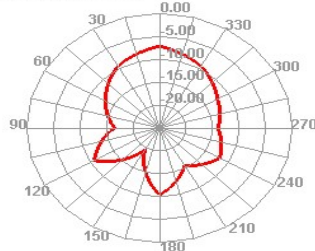
960.000MHz



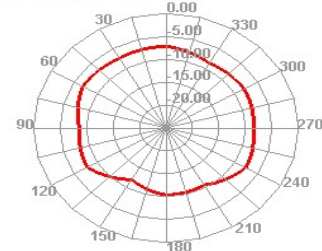
960.000MHz H



960.000MHz E1



960.000MHz E2





深圳市星源创科技有限公司
SHENZHEN Xingyuanchuang TECHNOLOGY CO., LTD

END

thank you!!