

Antena Test Report



专业的4G/3G/GPS/WIFI等天线方案设计及供应商

客户名称：中科微电

项目名称：P1-美版

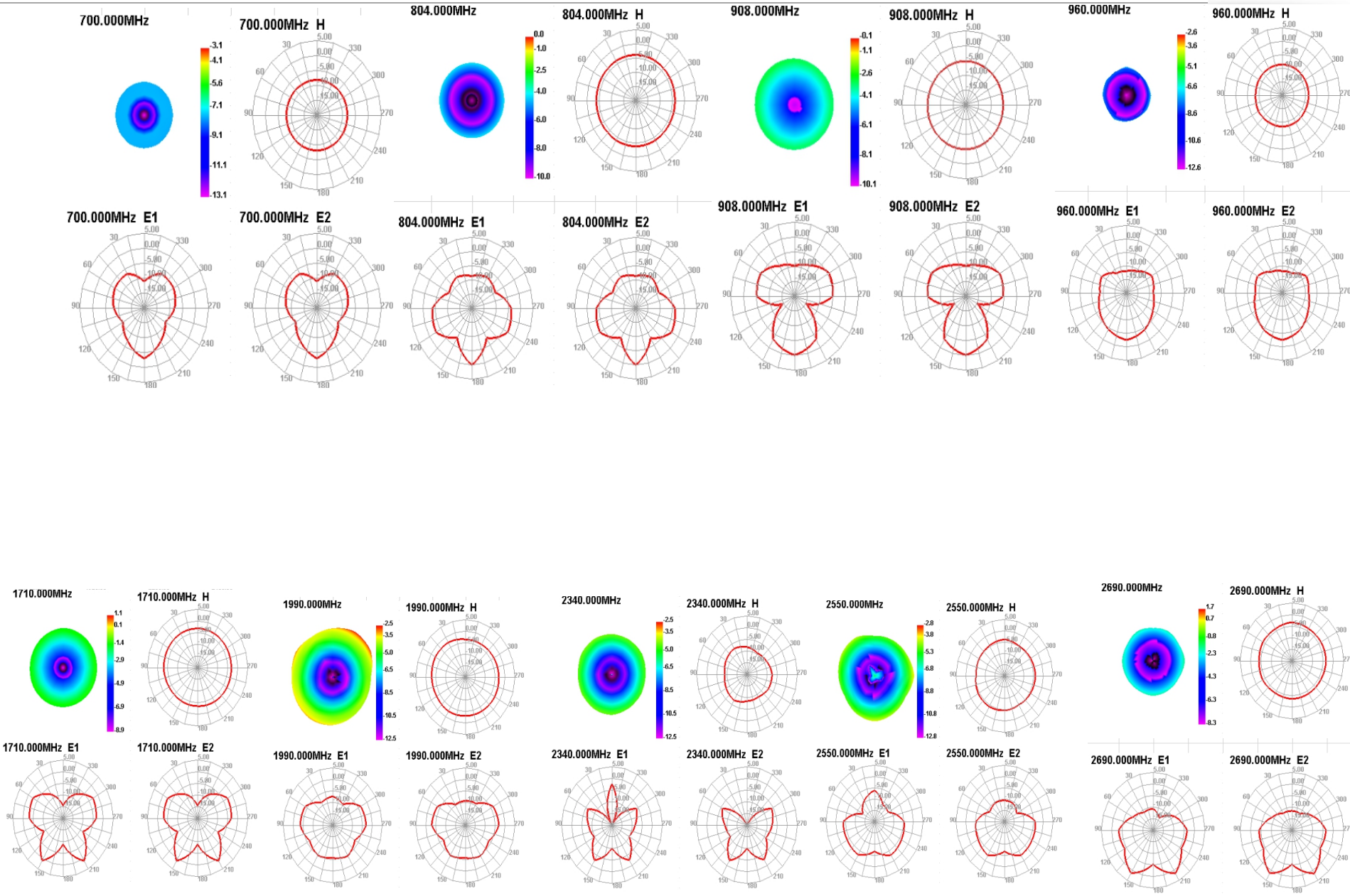
频段：GSM(850/900/1800/1900);WCDMA(W2/W5);LTE(B2/4/5/12/13/66)

版本：A

制作日期：2023-1-5

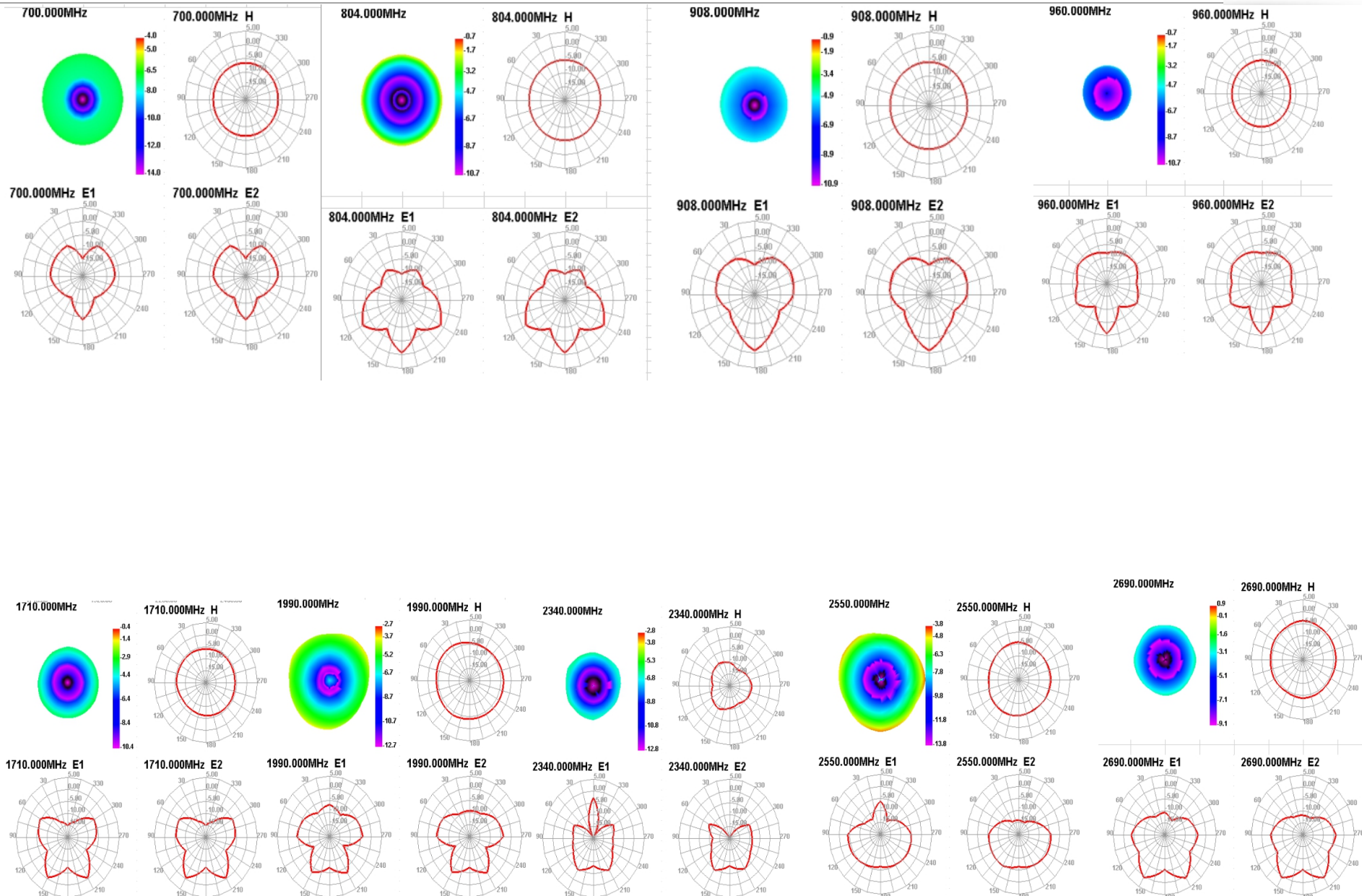
增益&效率-4G主天线

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
700	17.11	-3.1
800	25.08	0
900	22.96	-0.09
960	18.54	-2.61
1710	40.18	1.1
1990	39.68	0.31
2130	43.44	-1.51
2340	41.77	-2.46
2550	42.01	0.82
2690	41.23	1.7



增益&效率-分集天线

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
700	16.43	-4
800	22.38	-0.74
900	23.73	-0.86
960	15.73	-0.69
1710	28.95	-0.42
1990	30.64	-2.65
2130	28.07	-3.43
2340	20.89	-2.77
2550	28.49	-3.84
2690	35.94	0.87



2G/3G Free Space 3D Active data

BAND		GSM850			EGSM900		
3D	Channel	128	190	251	1	60	124
	TRP(dbm)	27.22	27.65	27.18	26.52	25.63	25.15
	TIS(dbm)	-103.54		-103.73	-102.85		-101.7

BAND		DCS1800			PCS1900		
3D	Channel	512	698	885	512	661	810
	TRP(dbm)	25.17	25.53	25.62	25.41	25.29	25.33
	TIS(dbm)	-102.57		-103.21	-102.08		-102.06

BAND		WCDMA B2			WCDMA B5		
3D	Channel	9662	9800	9938	4357	4408	4458
	TRP(dbm)	19.17	18.84	18.73	17.25	17.36	17.09
	TIS(dbm)	-106.41		-105.15	-103.55		-102.43

LTE Free Space 3D Active data-

BAND		TDD-LTE B2			FDD-LTE B4		
3D	Channel	18650	19000	18550	20000	20175	20350
	TRP(dbm)	19.23	18.77	18.64	18.63	18.59	18.43
	TIS(dbm)	-93.56		-92.81	-92.42		-93.03

BAND		FDD-LTE B5			FDD-LTE 12		
3D	Channel	20450	20525	20600	23060	23095	23130
	TRP(dbm)	17.75	17.44	17.13	15.32	15.73	16.08
	TIS(dbm)			-92.17	-93.45		-93.57

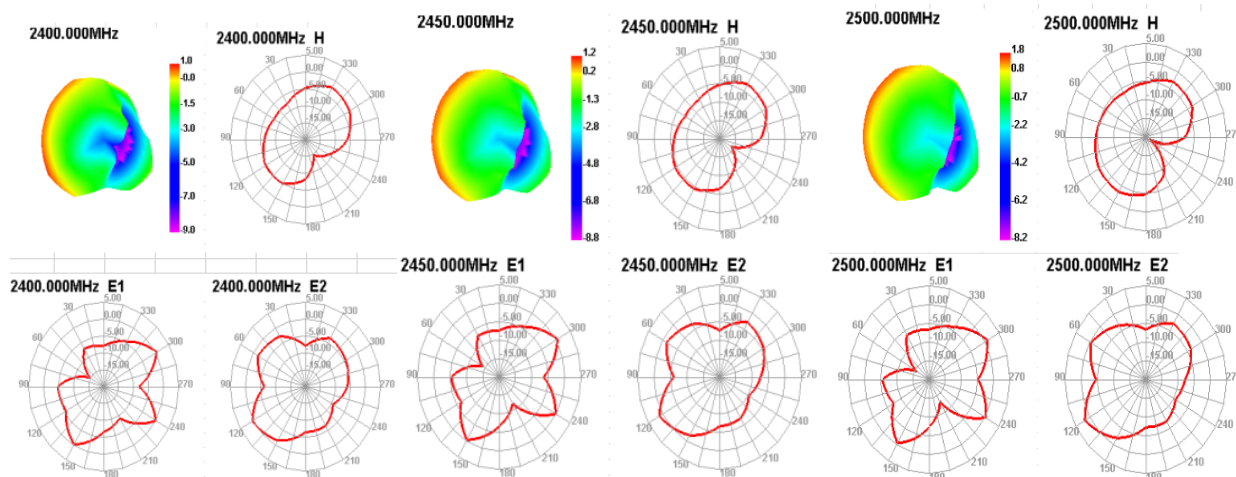
BAND		FDD-LTE B13			FDD-LTE B66		
3D	Channel		23230		24200	224300	24400
	TRP(dbm)		16.06		18.77	18.64	18.79
	TIS(dbm)		-93.11		-92.14		-92.08



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3. Gain & Efficiency

Frequency (MHz)	BT	Efficiency (%)	Peak GAIN (dBi)
2400		41.64	1.03
2450		41.27	1.18
2500		42.56	1.76

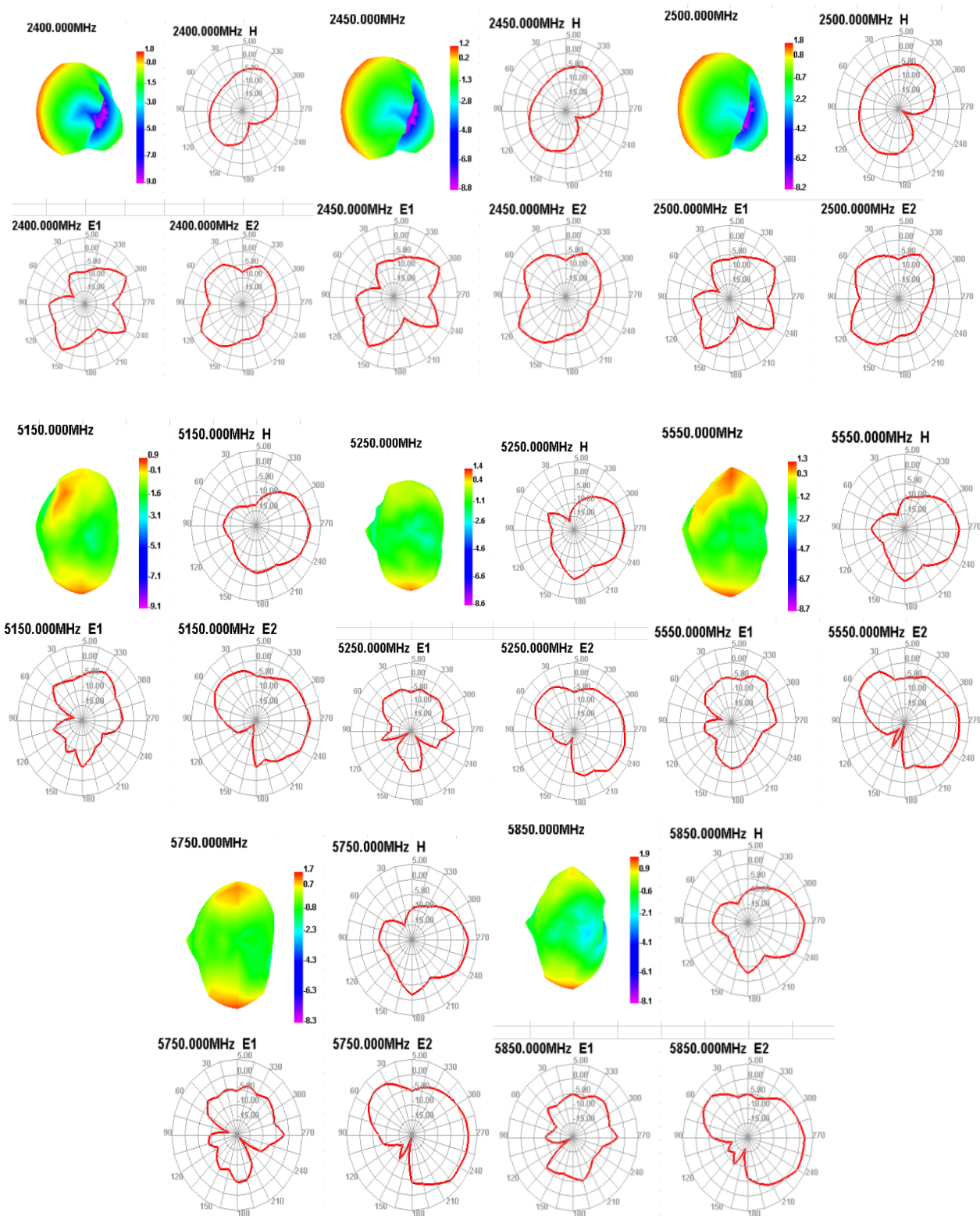


Frequency (MHz)	WiFi	Efficiency (%)	Peak GAIN (dBi)
2400		41.64	1.03
2450		41.27	1.18
2500		42.56	1.76
5150		38.27	0.93
5250		41.63	1.36
5350		40.35	1.09
5550		42.63	1.26
5750		41.19	1.67
5850		40.76	1.85



深圳市顺达成科技有限公司

SHUN DA CHENG TECHNOLOGY CO., LTD



顺达成感谢您的支持

Thanks

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