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Antenna Test Report



频段： GSM（850/900/1800/1900）;W(1/8)LTE-(B1/B3/B5/B40/B41);NR-(1/3/5/8/28/41/71/77/78)WIFI&GPS



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- 2. *S11 Parameter-VSWR***
- 3. 1 Gain & Efficiency**
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- 5. Antenna Assembly & environmental processing**
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1. Test system

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
OTA Test	TRP&TIS	Agilent 8960 E5515C& Agilent 4438C&CMW500 &CMW2 ETS&SATIMO
Gain & Efficiency	Gain & Efficiency	ETS&SATIMO Agilent 5071C

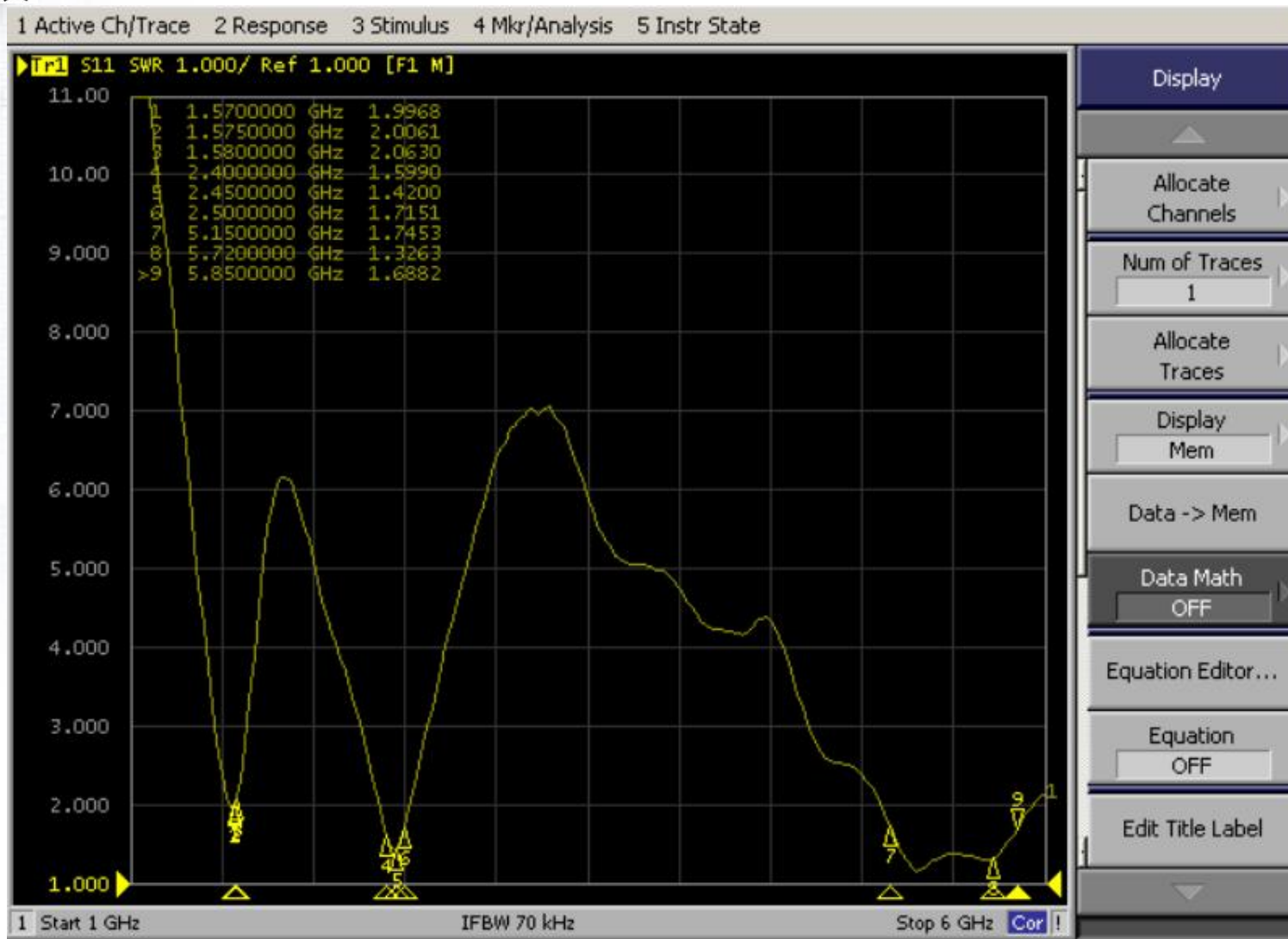




S11 Parameter-SWR

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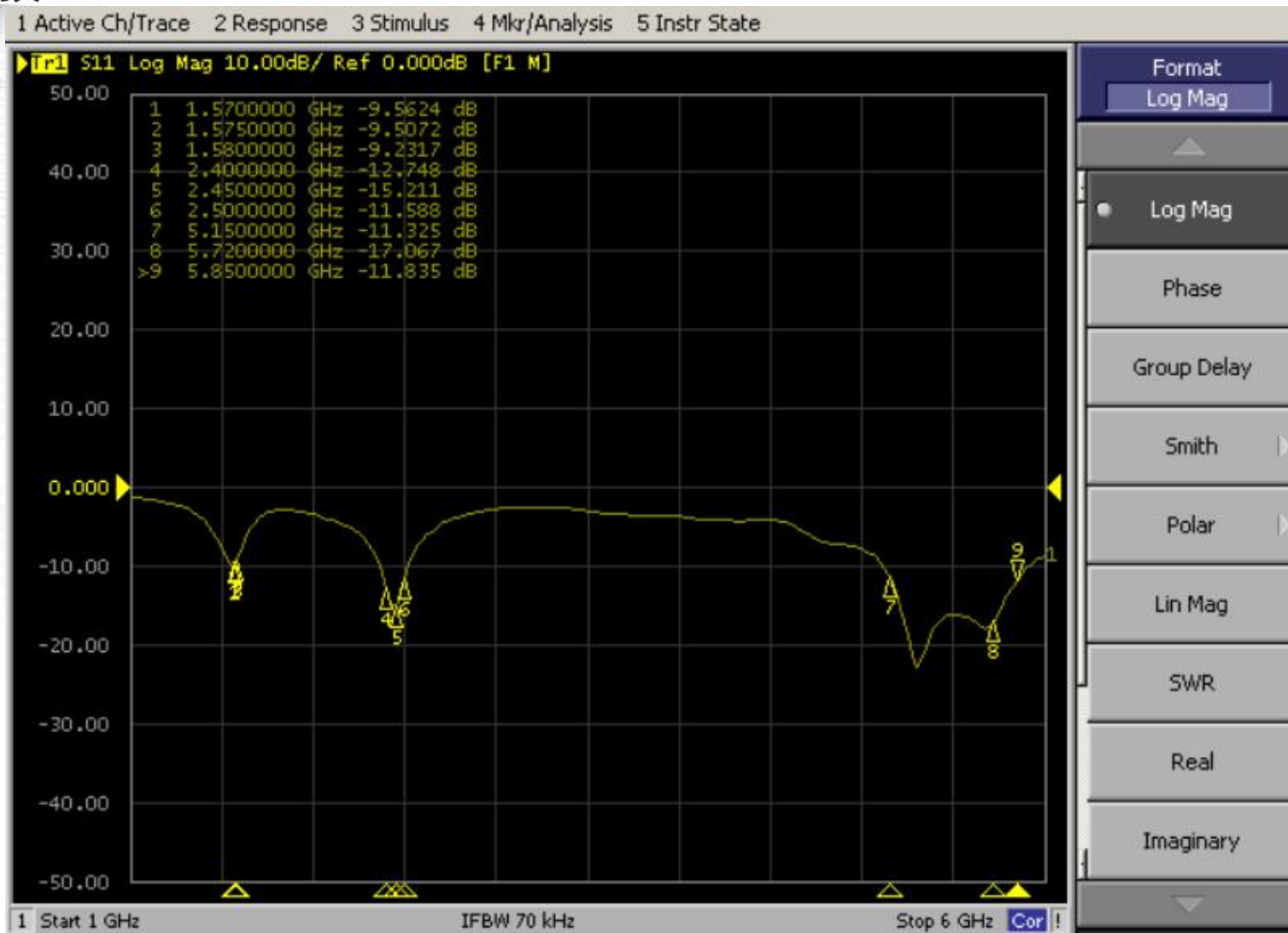




S11 Parameter-Log Mag

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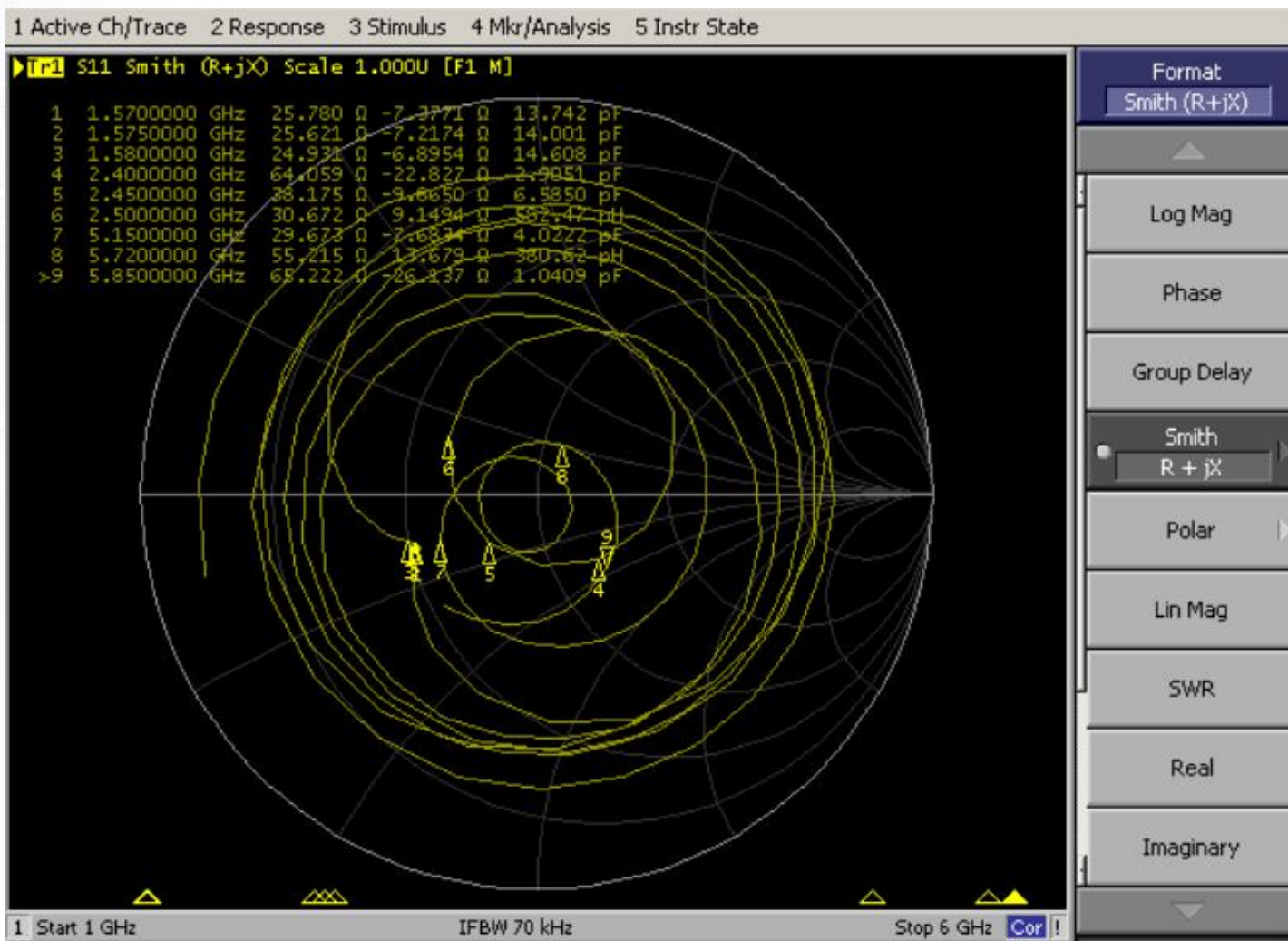




S11 Parameter-Smith

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Gain & Efficiency

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Freq (MHz)	Effi (%)	Gain (dBi)
1561	42.56	-0.03
1562	40.3	-0.26
1563	38.27	-0.49
1564	36.91	-0.64
1565	36.36	-0.71
1566	36.4	-0.68
1567	37.21	-0.56
1568	38.64	-0.39
1569	40.18	-0.22
1570	41.41	-0.07
1571	42.45	0.04
1572	42.4	0.06
1573	41.42	-0.01
1574	39.99	-0.16
1575	38.53	-0.32

Freq (MHz)	Effi (%)	Gain (dBi)
2400	39.61	0.25
2425	39.13	0.81
2450	39.95	1.22
2475	38.6	1.29
2500	40.58	1.37

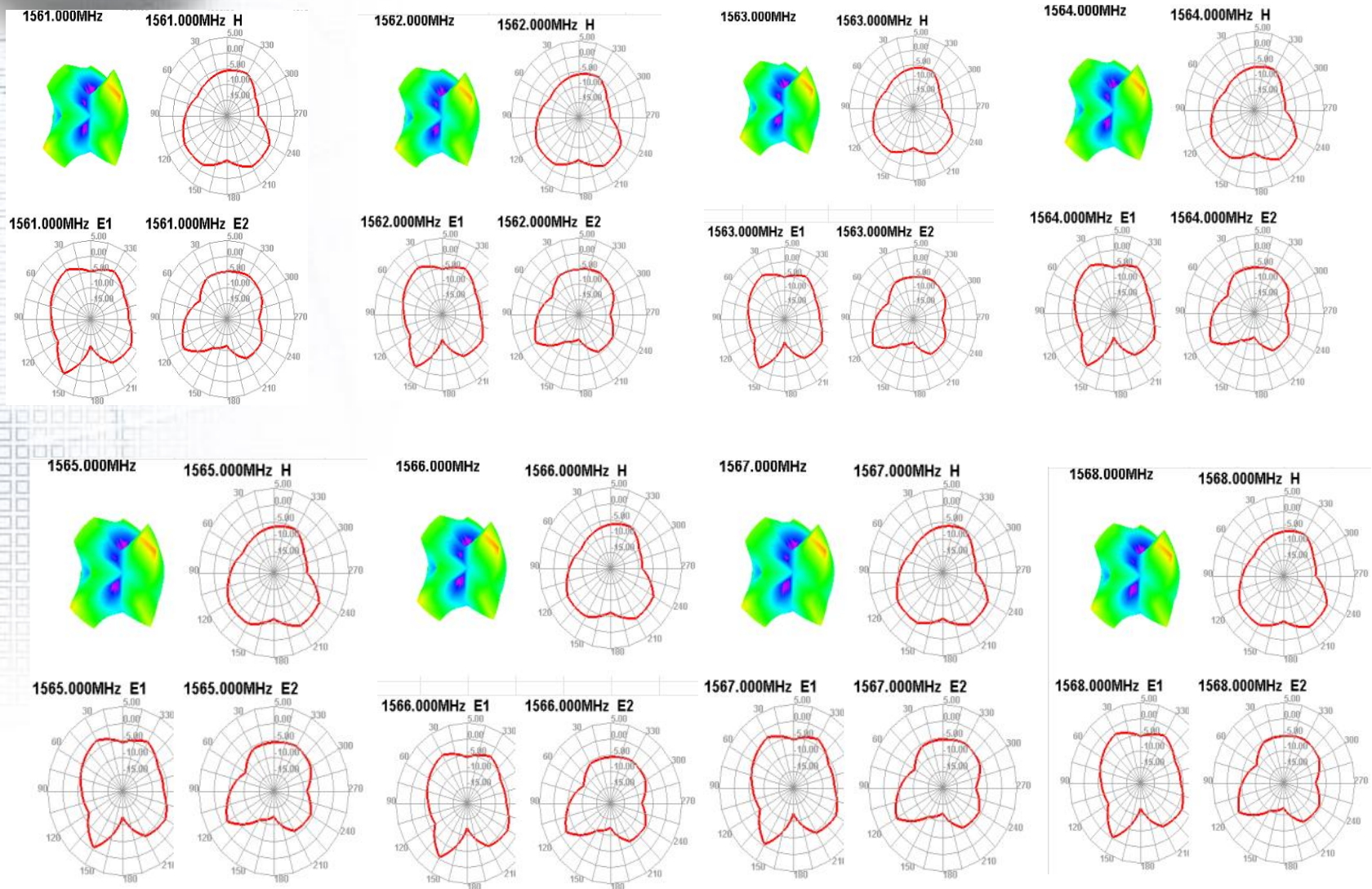
Freq (MHz)	Effi (%)	Gain (dBi)
5150	39.33	0.57
5250	38.55	1.67
5350	44.16	1.97
5450	49.04	2.55
5550	46.04	2.28
5650	45.68	2.26
5750	46.08	2.46
5850	43.56	1.7



Gain & Efficiency

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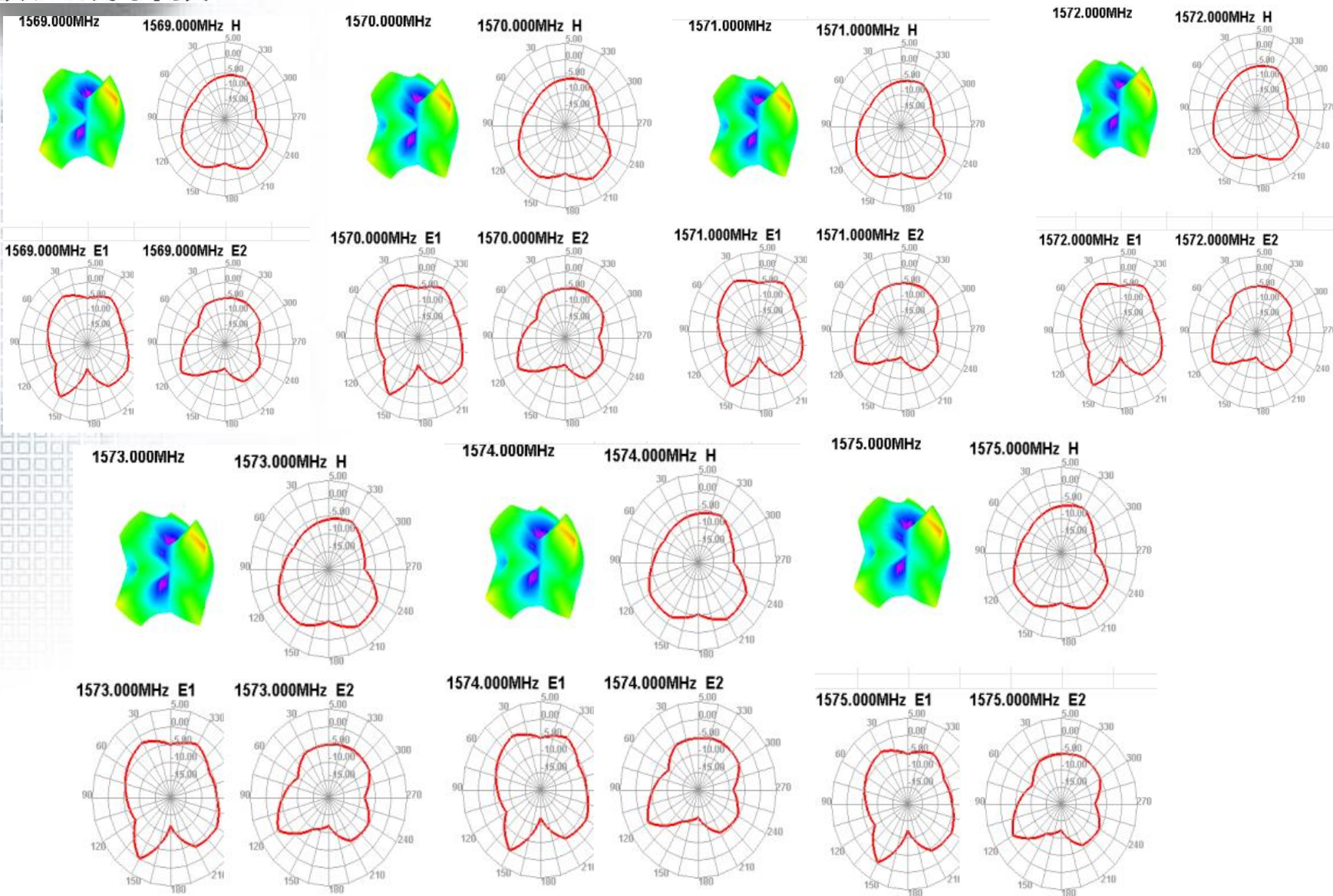




Gain & Efficiency

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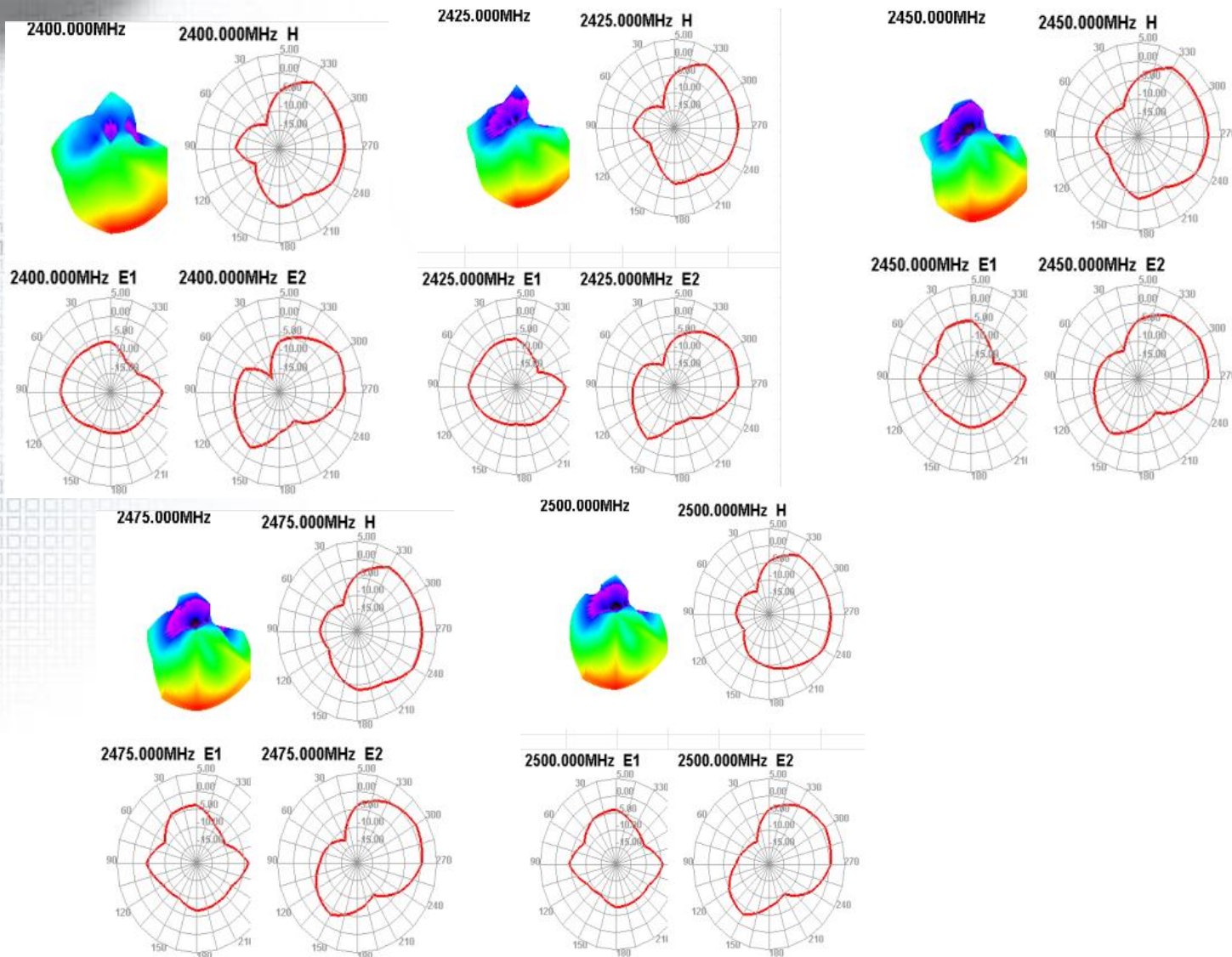




Gain & Efficiency

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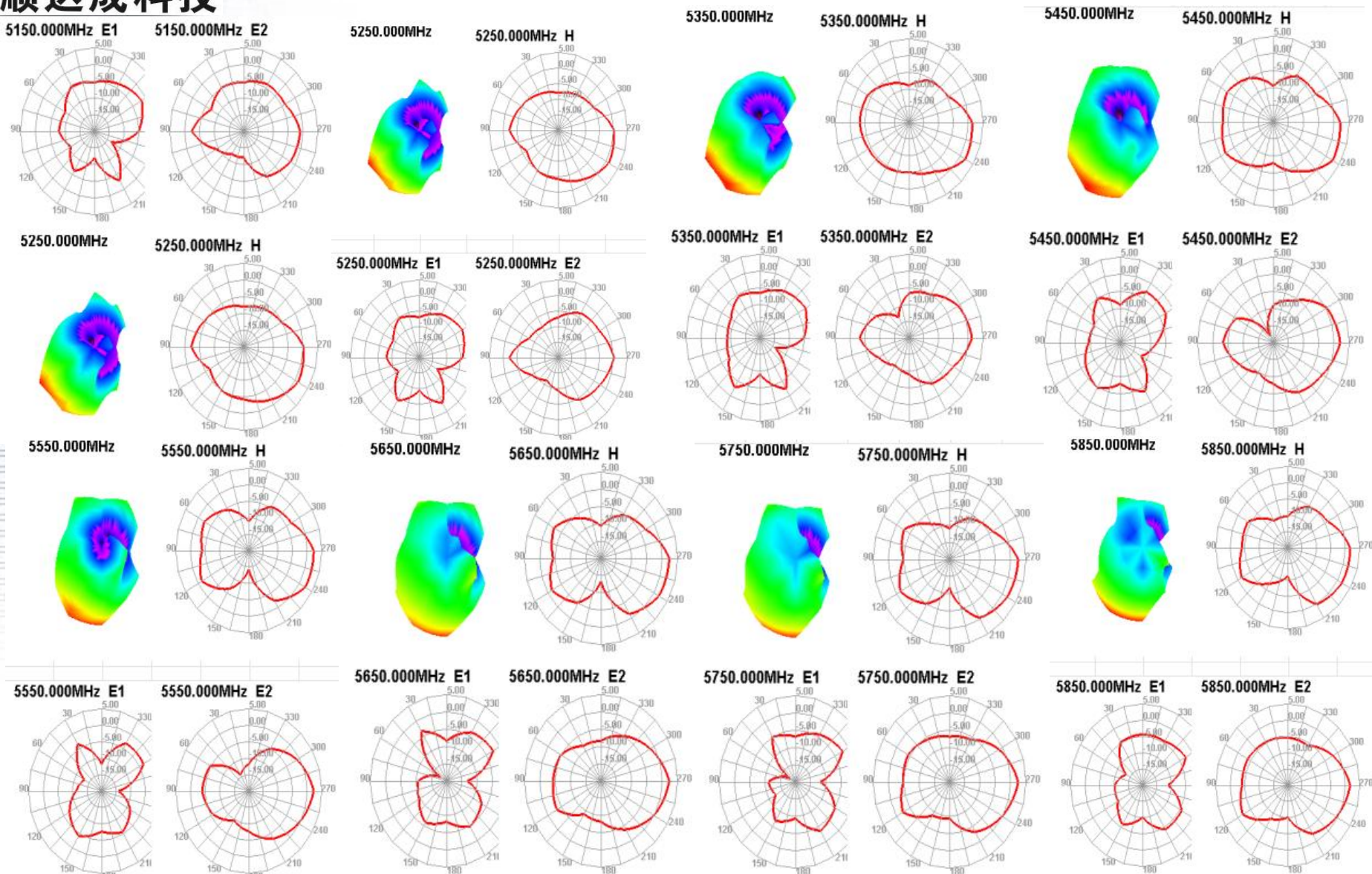




Gain & Efficiency

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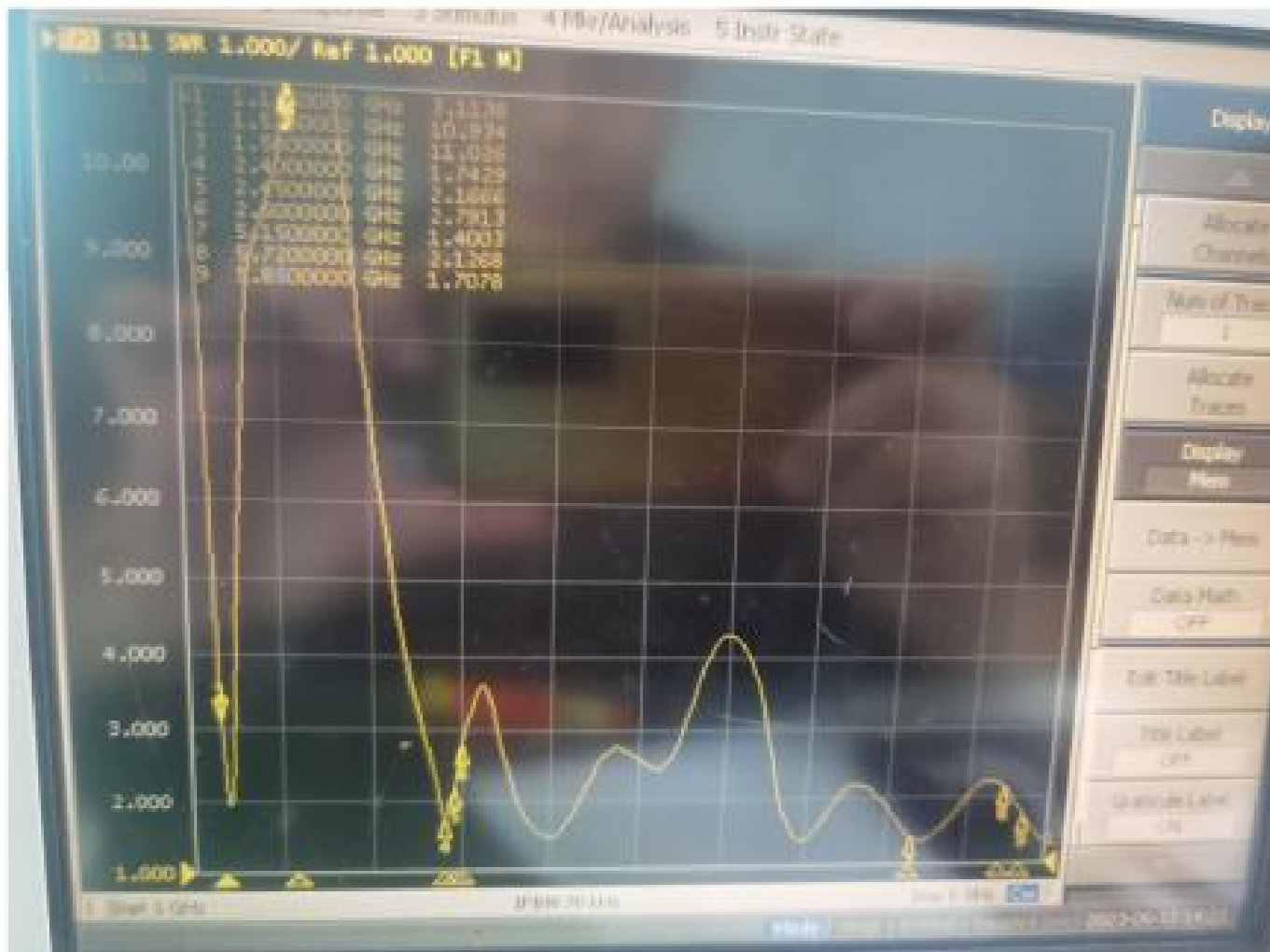
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S11 Parameter-SWR

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Gain & Efficiency

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Freq (MHz)	Effi (%)	Gain (dBi)
2400	36.5	0.47
2425	37.88	0.26
2450	37.96	0.48
2475	35.06	0.52
2500	36.05	0.85

Freq (MHz)	Effi (%)	Gain (dBi)
5150	39.66	3.59
5250	34.62	2.82
5350	41.6	3.93
5450	44.26	2.39
5550	48.15	4.74
5650	46.9	4.49
5750	39.02	3.46
5850	37.72	2.6

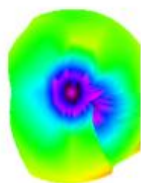


Gain & Efficiency

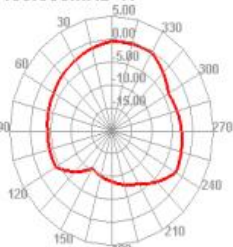
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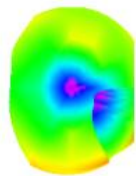
2400.000MHz



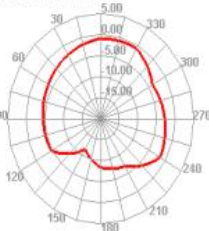
2400.000MHz H



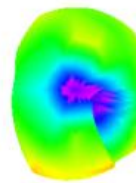
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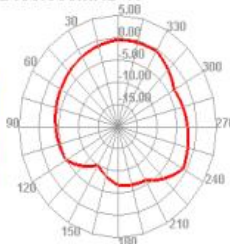
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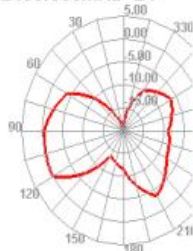
2450.000MHz



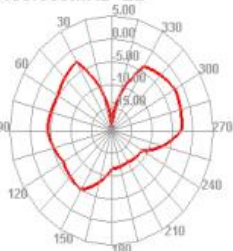
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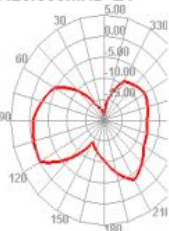
2400.000MHz E1



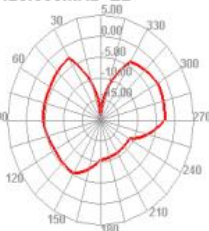
2400.000MHz E2



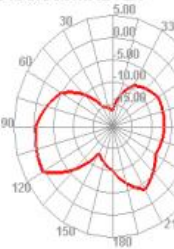
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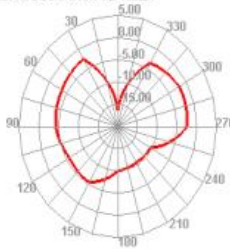
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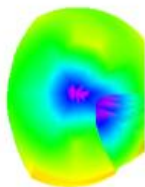
2450.000MHz E1



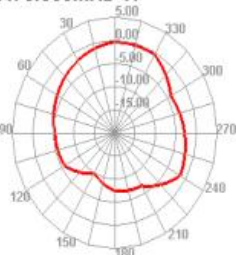
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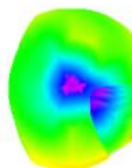
2475.000MHz



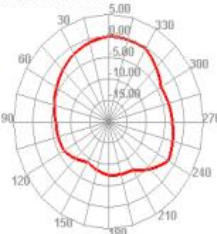
2475.000MHz H



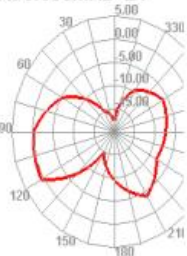
2500.000MHz



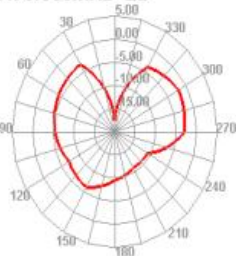
2500.000MHz H



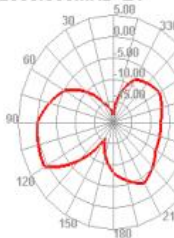
2475.000MHz E1



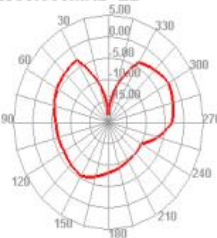
2475.000MHz E2



2500.000MHz E1



2500.000MHz E2

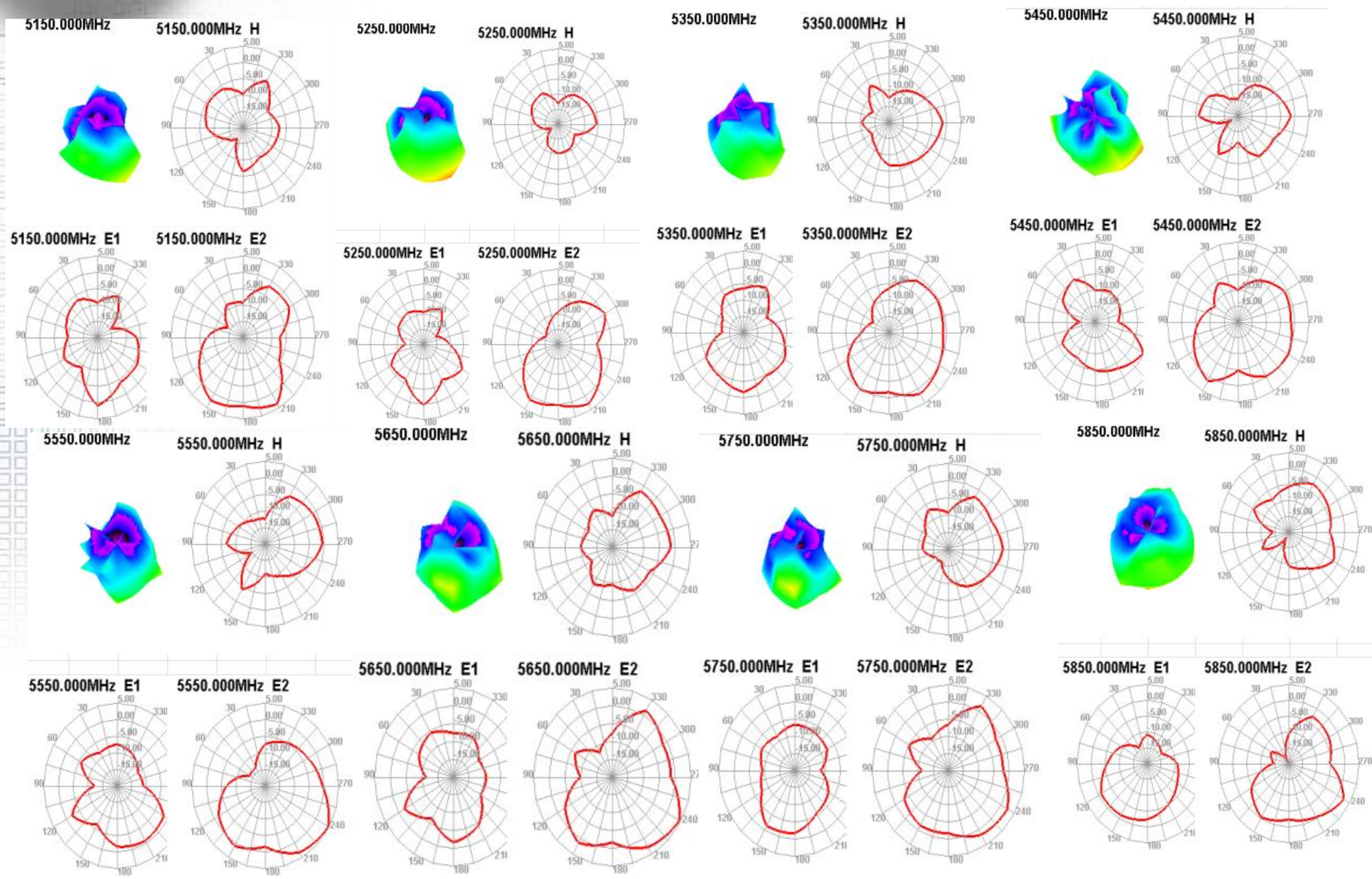




Gain & Efficiency

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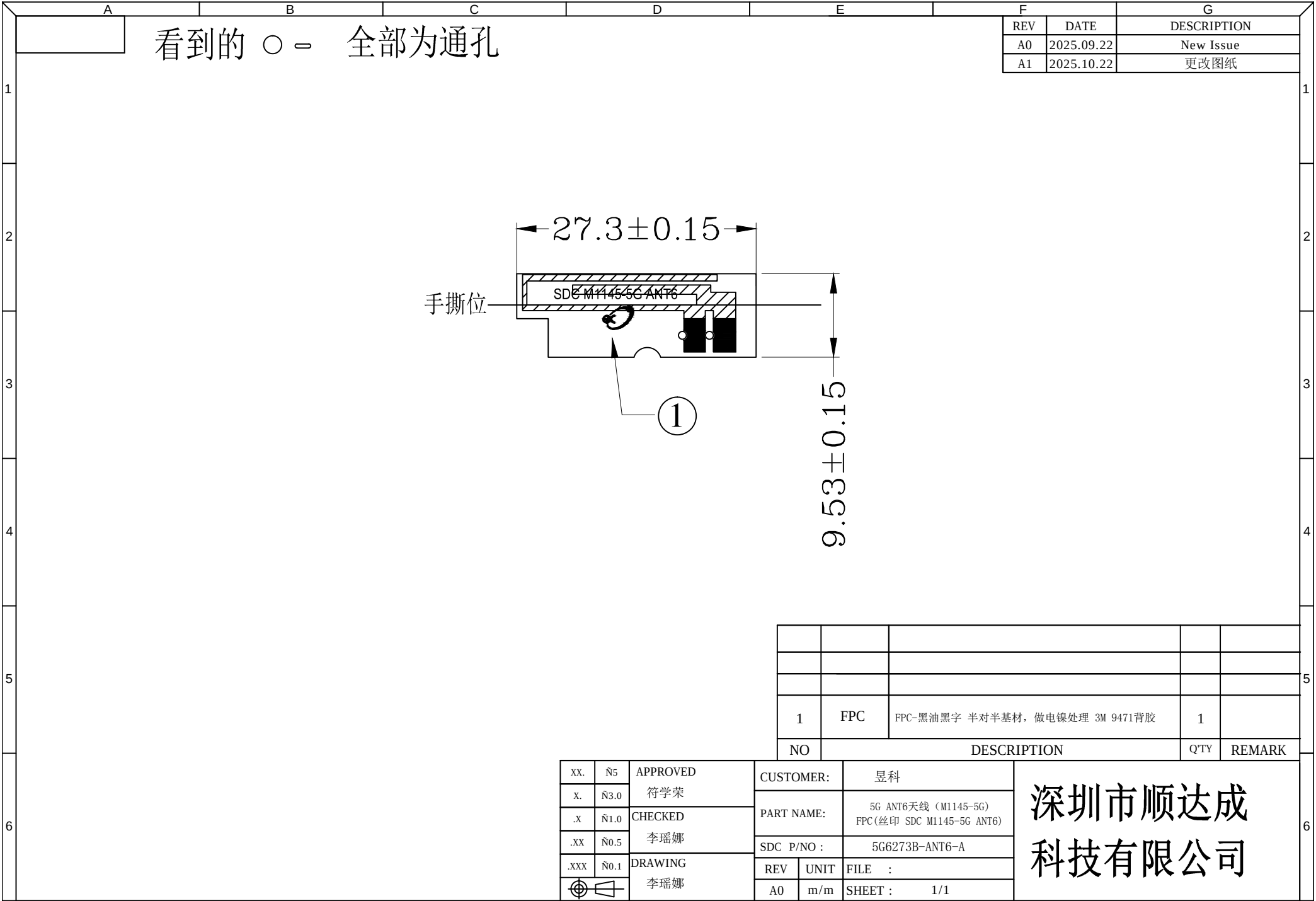




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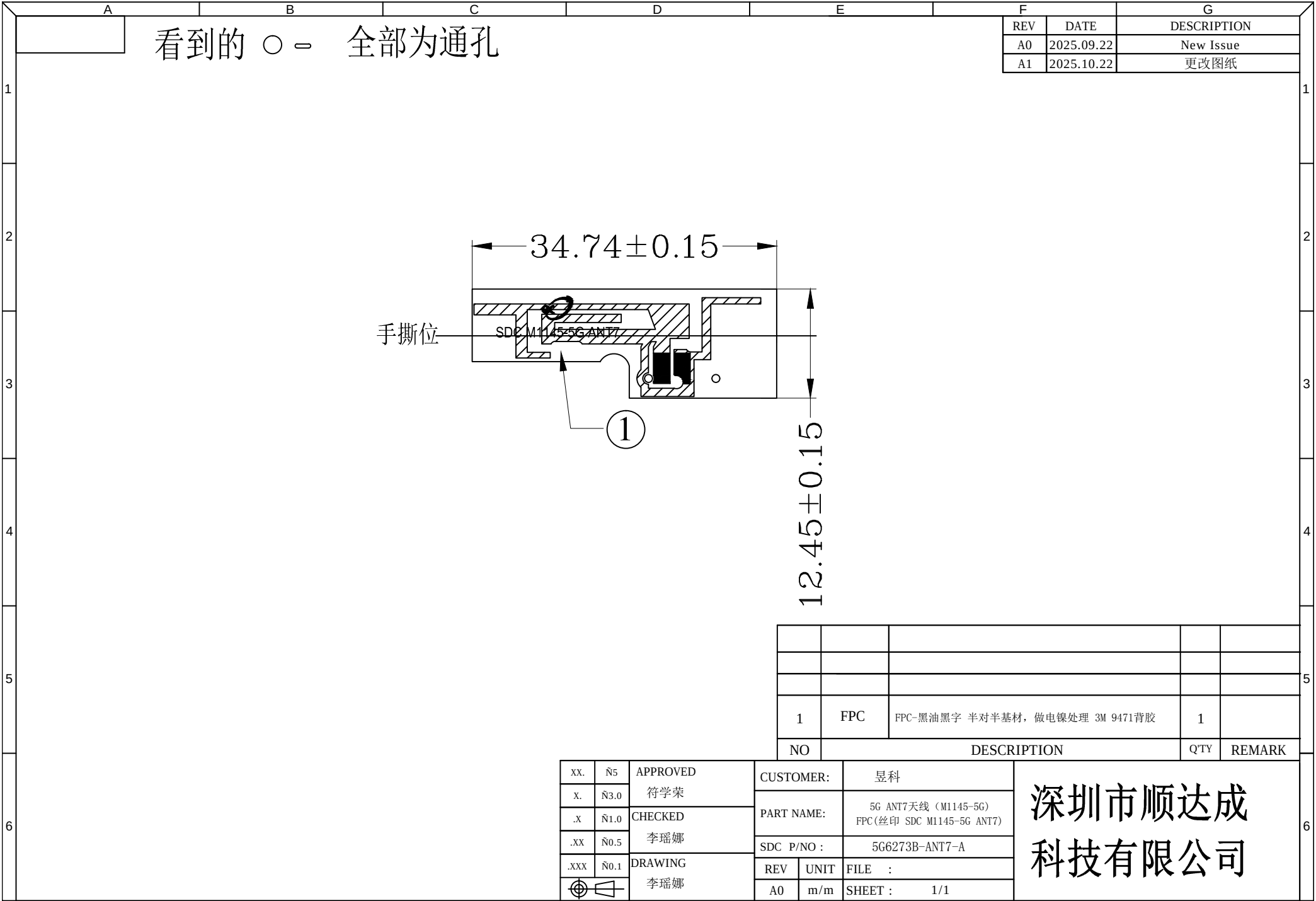
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A1	2025.10.22	更改图纸

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NO	DESCRIPTION		Q'TY	REMARK

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X.	Ñ3.0	符学荣
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.XXX	Ñ0.1	DRAWING
		李瑶娜

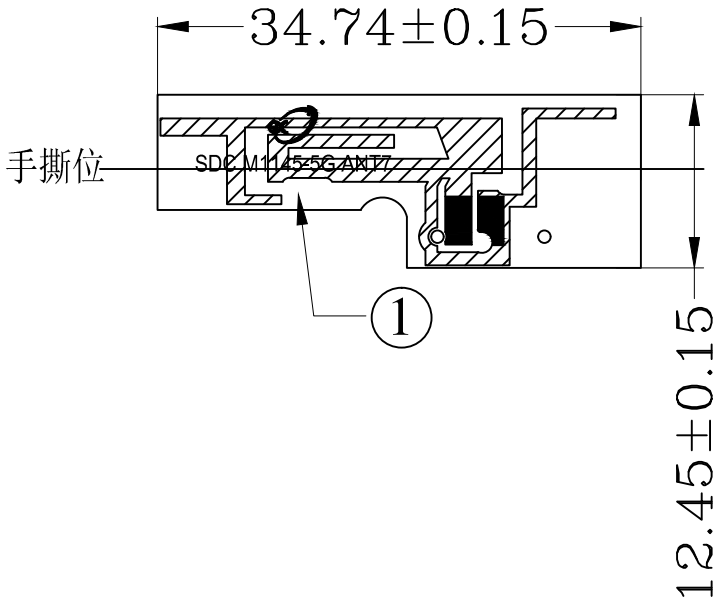
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REV	UNIT	FILE :
A0	m/m	SHEET : 1/1

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F		G
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X.	Ñ3.0	符学荣
.X	Ñ1.0	CHECKED
.XX	Ñ0.5	李瑶娜
.XXX	Ñ0.1	DRAWING
		李瑶娜

CUSTOMER:		昱科
PART NAME:		5G ANT7天线 (M1145-5G) FPC (丝印 SDC M1145-5G ANT7)
SDC P/NO :		5G6273B-ANT7-A
REV	UNIT	FILE :
A0	m/m	SHEET : 1/1

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